



The Berar General Education Society's
**Shri Radhakisan Laxminarayan Toshniwal
College of Science, Akola (M.S.)
(Shri R.L.T. College of Science)**



Recognized by Government of Maharashtra
Affiliated to Sant Gadge Baba Amravati University, Amravati
Re-accredited 'A' by NAAC, Bangalore With CGPA-3.12



**4th Cycle of NAAC
ASSESSMENT AND ACCREDITATION**

**CRITERIA-II
Teaching- Learning and Evaluation
Key Indicator - 2.3
Teaching-Learning Process**

2.3.1 QIM

**Student-centric methods, such as experiential learning,
participative
learning and problem-solving methodologies are used for
enhancing learning experiences using ICT tools**



The Berar General Education Society's Akola
SHRI RADHAKISAN LAXMINARAYAN TOSHNIWAL COLLEGE OF SCIENCE
Civil Lines, Akola. 444001 (Maharashtra)

Affiliated to Sant Gadge Baba Amravati University, Amravati

Reaccredited by NAAC with 'A' grade with CGPA 3.12

AISHE CODE: C-43124

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Website :- www.rltsc.edu.in

COLLEGE CODE : 210

Principal : Dr. Vijay D Nanoty

Phone : 0724- 2415480, 2415650

Ref. No: RLT/IQAC/C-II/21

Date: 12/10/2022

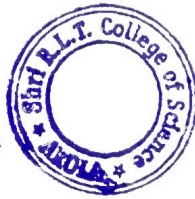
DECLARATION

This is to declare that, the information, data, true copies of the supporting documents, etc. furnished herein this "Key Indicator- 2.3. Teaching- Learning Process" file is checked and verified by IQAC, Shri R. L. T. College of Science, Akola, and found to be correct.

(Dr. R. L. Rahatgaonkar)

IQAC Coordinator

Shri R L T College of Science, Akola



(Dr. V. D. Nanoty)

Principal & IQAC Chairman

Shri R L T College of Science, Akola

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PART-I

EXPERIENTIAL LEARNING, PARTICIPATIVE LEARNING, AND PROBLEM-SOLVING METHODOLOGY USING ICT TOOLS:

2017-2018

Department of Botany

Guest lecture on Medicinal Plant and their use in daily life

In session-2017-18 a Guest lecture of eminent Taxonomist Dr. S.P.Rothe was organized by Dept. of Botany on 28th July 17 at 3.30 pm. Dr.S.P.Rothe is working as Vice Principal & Head, Department of Botany, at Shri Shivaji Science College, Akola.

Mrs. V.N.Badgajar Head, Dept. Of Botany has welcome and introduced the guest speaker & highlighted the various activities, and programmes organized by the department.

On this occasion, Dr. S.P.Rothe delivered a lecture on “Medicinal plants & their uses in daily life”. He also interacted with the students.

Shri P.M.Khadse & Dr.A.A.Sangole conducted the program.Shri.S.V.Madavi proposed a vote of Thanks.

All B.Sc.I, II,& IIIyr Botany students were present.



Badgajar

Head,
Department of Botany
R.L.T College of Science
AKOLA

Department of Computer Science/ IT

Spoken Tutorial Project Report (Training & Assessment Test)

Department of computer science & I.T. organized *Spoken Tutorial Project* in Feb-2018 and an online assessment test conducted on 07-03-2018, it is the part of is about teaching and learning a particular FOSS (Free and Open Source Software) like C/C++, Java, PHP & MySQL, Libre Office, etc. via an easy Video tool - Spoken Tutorials.

This training is offered by the Spoken Tutorial Project, IIT Bombay, funded by the National Mission on Education through ICT, MHRD, Govt., of India.

Spoken Tutorial Project is in the following phases: Training & Assessment Test as mentioned above.

Details of the Online Workshop & Training & Assessment Test are as follows:

- After enrolling the name of the students for one of the FOSS, there after one-month training through self-learning course material (Audio Visual) provided by the Talk To A Teacher project at IIT Bombay. We provide this training material in soft copy to enrolled students and installed it on a few computer systems in computer science laboratory for those students who don't have their computer system (These tutorials are also run on mobile devices.)
- After one month of self-learning training using a computer/mobile system. There is an online assessment test conducted remotely from IIT Bombay, it is a pre-requisite for completing the training and if a student scored this test with 40% marks then issue a Certificate which is offered by the Spoken Tutorial Project, **IIT Bombay**.

In the Final Assessment Test as a Free and Open Source Software on C++ which is online remotely conducted by IIT Bombay, **07 students** from B.Sc. III successfully passed with above 40 % marks in this test and issued **Certificates** which are offered by the *Spoken Tutorial Project, IIT Bombay*, which is very valuable in their career point of view.

List of Candidates Registered

#	First Name	Last Name	Email Id
1	ISHA	WASE	ishawase5@gmail.com
2	MAYURI	PANDHADE	mayuripandhade1997@gmail.com
3	RENUKA	GUPTA	renusgupta98@gmail.com
4	VAISHNAVI	MOSE	vmose2017@gmail.com
5	RASHMI	SURE	rsure2017@gmail.com
6	MAYURI	BIRKAD	mayuribirkad@gmail.com
7	JAYASHRI	PAWAR	jayshripawar456@gmail.com
8	PRATIKSHA	DESHMUKH	dpratiksha.pd777@gmail.com
9	VAISHALI	DEOKATE	vaishalideokate11@gmail.com
10	MANISHA	DEOKATE	deokatemg@gmail.com
11	VISHNU	MISHRA	vhmishra123@gmail.com
12	VIVEK	SURVE	viveksurve28@gmail.com
13	VAISHNAVI	LANDE	vaishnavi.lande27@gmail.com
14	BHAVANA	PASARKAR	bhavnapasarkar11@gmail.com
15	ADITI	PHATE	phateaditi1997@gmail.com
16	JAYSHREE	APOTIKAR	japotikar96@gmail.com
17	RAHUL	MARAHHE	rahulmarathe2010@gmail.com
18	SARVESH	ANDHALE	asarvesh02@gmail.com
19	HARSHAL	GOKHE	lavgokhe@gmail.com
20	YUVRAJ	BHATI	bhatiyuvraj34@gmail.com
21	SHUBHAM	RAUT	raut1622@gmail.com

List of Students who successfully passed the assessment test with above 40 % marks in this test and issued Certificates:

#	First Name	Last Name	Email Id
1	ISHA	WASE	ishawase5@gmail.com
2	JAYASHRI	PAWAR	jayshripawar456@gmail.com
3	VIVEK	SURVE	viveksurve28@gmail.com
4	VAISHNAVI	LANDE	vaishnavi.lande27@gmail.com
5	BHAVANA	PASARKAR	bhavnapasarkar11@gmail.com
6	RAHUL	MARAHHE	rahulmarathe2010@gmail.com
7	HARSHAL	GOKHE	luvgokhe@gmail.com



Mr. R. B. Ghayalkar
(Assistant Professor)
Project/ Workshop Organizer
Department of Computer Science &
IT
Shri R. L. T. College of Science Akola

Department of Chemistry

Online Atchem ... Aptitude Test in Chemistry

Please click on the following link to download the details report of the Online Atchem-Aptitude Test (2017-18):

Link: <https://www.rltsc.edu.in/wp-content/uploads/2021/12/Report-Aptitude-Test-in-Chemistry-2017-18.pdf>

OR

Scan QR Code:



S. Gnawali
Head
Department of Chemistry
R. L. T. Science College Akola

Department of Zoology

Guest Lectures Using a ICT

(a) Guest lecture of Prof Dr. P.S. Dhabe, Asst Prof and Head, Department of Zoology, Shankarlal Khandelwal College Akola was organized by students by Zoology Department on the topic “Aquaculture: Social and Economic values” on dated 7/10/2017 for B.Sc.III as per the syllabus. Prof Dr. P.S.Dhabe madam guided the students about Aquaculture, Fish biodiversity, its economic values, and social status. She also guided me about fish culture, fish selection types of fish ponds, breeding, nursing, rearing, and stocking.

Dr. S.M.Nagrle introduced the Guest and remarked Vote of Thanks. Dr. A.S. Sawarkar and Dr. Rashmi Joshi Sawalkar madam and all B.Sc III students were present for the lecture.

b) “Caring for all life under the Sun”.

Dr. Hemant P. Sapkal, Shri Shivaji College, Akola guided on the topic “Caring for all life under the Sun”. In his lecture, he guided us about the importance of the sun and the Ozone layer protecting life on Earth. He also guided the Ozone layer and its depletion due to air pollution and its harmful effect on Earth’s life.

c) “Importance of Digital Library”

Mr. Mangesh R. Ubale, Librarian, Shri R.L.T. College of Science, Akola gave a lecture on “Importance of Digital Library”. On the same occasion, the ‘Digital Gallery of Museum Specimen’ which was prepared by Dr. Archana Sawarkar and Dr. Sudhir Kohchale was inaugurated and handed over to the library. In his speech, Mr. Ubale guided about the e-library: its paperless work and readily viable due to today’s progressive work on technology.

Both series of lectures were organized by departments under the guidance of the Principal, HOD, and coordinated by Dr. A.S.Sawarkar



Dr. Sushil M. Nagrle
Head,
Dept. of Zoology,
Shri R.L.T. College of Science
AKOLA

Photo Gallery



Dr. Dhabe Madam Guided the students



Dr. Sapkal sir guided the students



Librarian Mangesh Ubale Guided the Students

2018-2019

Department of Computer Science/ IT

Spoken Tutorial Project Report (Training & Assessment Test)

Department of computer science & I.T. organized *Spoken Tutorial Project* in Feb-2018 and an online assessment test conducted on 30-04-2019, it is the part of is about teaching and learning a particular FOSS (Free and Open Source Software) like C/C++, Java, PHP & MySQL, Libre Office, etc. via an easy Video tool - Spoken Tutorials.

This training is offered by the Spoken Tutorial Project, IIT Bombay, funded by the National Mission on Education through ICT, MHRD, Govt., of India.

Spoken Tutorial Project is in the following phases: Training & Assessment Test as mentioned above.

Details of the Online Workshop & Training & Assessment Test are as follows:

- After enrolling the name of the students for one of the FOSS, thereafter one-month training through self-learning course material (Audio Visual) provided by the Talk To A Teacher project at IIT Bombay. We provide this training material in soft copy to enrolled students and also installed it on a few computer systems in the computer science laboratory for those students who don't have their computer system (These tutorials are also run able on mobile devices.)
- After one month of self-learning training by using a computer/mobile system. There is an online assessment test conducted remotely from IIT Bombay, it is a pre-requisite for completing the training and if a student scored this test with 40% marks then issue a Certificate which is offered by the Spoken Tutorial Project, **IIT Bombay**.

•

In the Final Assessment Test as a Free and Open Source Software on C++ which is online remotely conducted by IIT Bombay, **07 students** from B.Sc. III completed this training and issued **Certificates** which are offered by the *Spoken Tutorial Project, IIT Bombay*, which is very valuable in their career point of view.

List of Students Registered also successfully passed the assessment test with above 40 % marks in this test and issued Certificates:

#	First Name	Last Name	Email Id
1	NAMRATA	JOSHI	namratajoshi9106@gmail.com
2	NAMRATA	PONGANTY	namratanamo271@gmail.com
3	SHRADDHA	DHAWALE	dhawaleshraddha20@gmail.com
4	VAISHNAVI	DESHMUKH	vairuja174@gmail.com
5	SHUBHAM	SHRIWAS	shubhamshriwas786@gmail.com
6	VISHAL	TAYADE	vishaltayade201@gmail.com
7	MAHADEV	GAUGE	mahadevghuge98@gmail.com



Mr. R. B. Ghayalkar

(Assistant Professor)
Project/ Workshop Organizer
Department of Computer Science & IT
Shri R. L. T. College of Science Akola

Department of Chemistry

Online Atchem ... Aptitude Test in Chemistry


Please click on the following link to download the details report of the Online Atchem-Aptitude Test (2018-19):

Link: <https://www.rltsc.edu.in/wp-content/uploads/2021/12/Report-Aptitude-Test-in-Chemistry-2018-19.pdf>

OR

Scan QR Code:




Head
Department of Chemistry
R. L. T. Science College Akola

Department of Physics

Online Physics MCQS Test on Mobile Phones

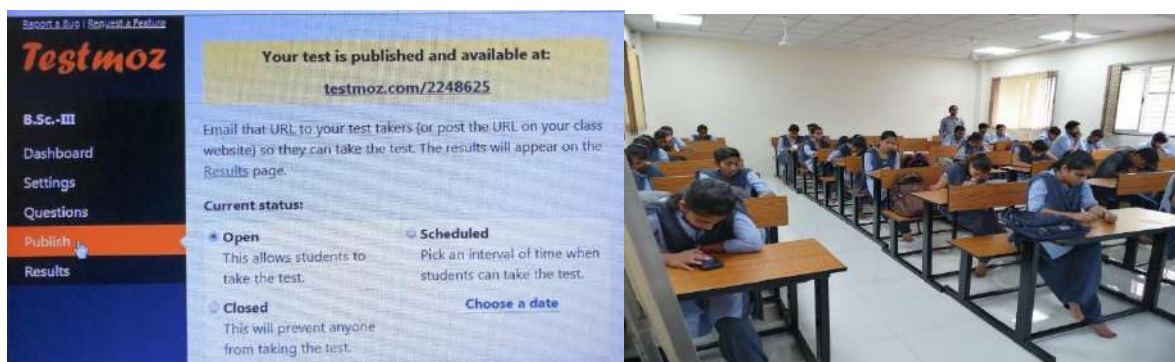
Department of physics, Shri R. L. T. College of Science, Akola has conducted an **online Physics MCQs test on mobile phones for the B.Sc. -III year students** on a full portion of the syllabus dated **22nd September 2018**. The main objective of the Online Physics MCQs Test is to develop the knowledge of Physics which helps U.G. students in the preparation for IIT JAM, NET, GATE, and JEST examinations. The advantage of online exams is paperless, automatically checked answers, reports, and performing analysis it is a time save time-savings. A total of **83** students from all semesters participated in this event. Topper students gave the appreciation certificate at the hands of our college principal Dr. V. D. Nanoty.



Shri S. R. Jaiswal

Coordinator

Shri R. L. T. College o Science, Akola



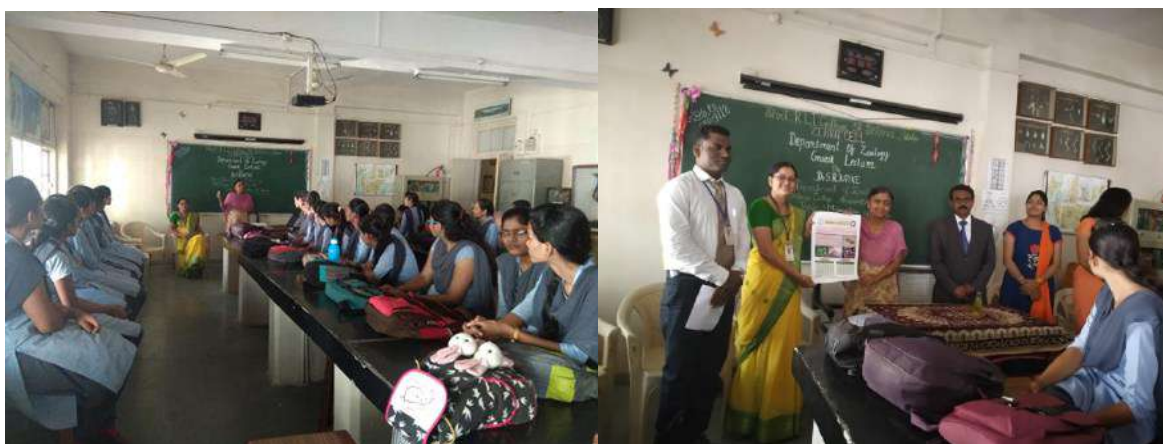
[SSR/Criterion-II/ Teaching, Learning & Evaluation/ QIM-2.3.1]

Shri R.L.T. College of Science, Akola				
Department of Physics				
Online Aptitude Test Report Card				
B.Sc.-III Sem-V (Batch- P1 to P6)				
Session-2018-2019				
Sr. No.	Name	Start Datetime	Time	Percent
1	aashish vajay pawar	2018-09-22 01:51:05-07:00	00:03:07	31
2	Ajay Subhash Sitre	2018-09-22 01:21:34-07:00	00:30:02	31
3	Akshay Shriram Ghope	2018-09-22 01:21:30-07:00	00:35:14	47
4	Amar samdure	2018-09-22 01:47:27-07:00	00:02:27	33
5	Andu	2018-09-22 01:26:00-07:00	00:11:30	35
6	Aniket Ashok chandak	2018-09-22 01:23:19-07:00	00:25:58	68
7	Ankit badode	2018-09-22 01:32:14-07:00	00:09:40	18
8	Ankita wadhokar	2018-09-22 01:42:44-07:00	00:04:17	23
9	Ankita wadhokar	2018-09-22 01:49:31-07:00	00:03:41	34
10	Arati Balkrushna Ingle	2018-09-22 02:12:11-07:00	00:05:28	76
11	Arjun Nemade	2018-09-22 01:23:57-07:00	00:05:12	44
12	Arpit gurmale	2018-09-22 01:40:37-07:00	00:08:22	40
13	Ashwini Santosh Shegokar	2018-09-22 01:22:35-07:00	00:17:41	36
14	Asmita narendra gadge	2018-09-22 01:51:17-07:00	00:11:34	46
15	Bhavika dipchand chhoundiya	2018-09-22 01:43:35-07:00	00:10:52	47
16	Devyani Rajesh kale	2018-09-22 01:27:03-07:00	00:08:49	7
17	Dhanashree gajanan mali	2018-09-22 01:24:10-07:00	00:23:01	46
18	Dipak Ganesh Lahase	2018-09-22 01:21:30-07:00	00:22:40	24
19	Divya Mahesh Bulbule	2018-09-22 01:22:15-07:00	00:20:55	36
20	Gayatri s bhagwatkar	2018-09-22 01:37:11-07:00	00:16:02	35
21	Hrushikesh shivhari Patokar	2018-09-22 01:44:24-07:00	00:01:14	20
22	Hrutuja sunil thakare	2018-09-22 01:23:02-07:00	00:17:03	42
23	Kajal haridas khade	2018-09-22 01:26:39-07:00	00:16:38	30
24	Kajal jagdish jaybhaye	2018-09-22 01:27:22-07:00	00:15:55	34
25	Kajal kishor tiwari	2018-09-22 01:39:57-07:00	00:08:18	27
26	Kalyani Rajiv Nawthale	2018-09-22 01:21:38-07:00	00:32:06	38
27	Karan	2018-09-22 02:36:54-07:00	00:00:56	34
28	Ketaki Surendra Kshirsagar.	2018-09-22 01:37:49-07:00	00:10:56	33
29	Komal Tamas Dambare	2018-09-22 01:27:08-07:00	00:16:09	29
30	Ku.mayuri vasant badhe	2018-09-22 01:22:17-07:00	00:21:27	33
31	Manali jadhav	2018-09-22 01:36:37-07:00	00:09:31	31
32	Manish s. Bajaj	2018-09-22 01:25:07-07:00	00:17:17	38
33	Mohammad Imran qureshi	2018-09-22 02:35:16-07:00	00:01:23	12
34	Monal S. Tayade	2018-09-22 01:21:37-07:00	00:26:58	47
35	Monika ambadas lahe	2018-09-22 01:52:57-07:00	00:02:39	41
36	Monika ambadas lahe	2018-09-22 01:47:46-07:00	00:02:31	10
37	Mrunal Ramdas kaware	2018-09-22 01:38:35-07:00	00:15:36	41
38	Neha Zamare	2018-09-22 01:24:05-07:00	00:22:14	47
39	Niharika khopade	2018-09-22 01:38:47-07:00	00:03:15	22
40	Nikhil vivekanandan sawat	2018-09-22 01:22:37-07:00	00:26:42	48
41	Nikita ramdas ghate	2018-09-22 01:48:56-07:00	00:04:20	28
42	Nikita Vijay Sharma	2018-09-22 01:23:06-07:00	00:13:53	29
43	Nishigandha U. Chimankar	2018-09-22 01:52:57-07:00	00:02:12	54
44	Pallavi Najukrao Gavande	2018-09-22 01:23:18-07:00	00:12:32	27
45	pallavi ram yewatkar	2018-09-22 01:43:24-07:00	00:06:44	20
46	Pawan Ganesh jaybhaye	2018-09-22 01:26:46-07:00	00:25	54
47	Payal maind	2018-09-22 01:47:27-07:00	00:01:40	29
48	Piyush santosh sarnaik	2018-09-22 01:52:58-07:00	00:04:27	53
49	Prachi anil chaturkar	2018-09-22 01:24:14-07:00	00:23:17	38
50	Prajwal pandey	2018-09-22 01:43:55-07:00	00:04:40	64
51	Pranali Nandkishor.Pawar	2018-09-22 01:46:41-07:00	00:04:48	32
52	Pratik Dilip wadhankar	2018-09-22 01:37:09-07:00	00:15:45	39
53	Pratik mahadeo date	2018-09-22 01:56:44-07:00	00:01:57	61
54	Priyanka	2018-09-22 01:41:09-07:00	00:06:22	31
55	Raghav	2018-09-22 01:38:55-07:00	00:18:10	58
56	Rushikesh vishnudas gujar	2018-09-22 01:24:44-07:00	00:27:42	49
57	rutuja avinash gadave	2018-09-22 01:24:03-07:00	00:17:29	34
58	Sakshi P.Desmukh	2018-09-22 01:49:35-07:00	00:02:36	47
59	Sanyog s Sawang	2018-09-22 01:25:47-07:00	00:25:07	29
60	Sayali manik kalmegh	2018-09-22 01:22:45-07:00	00:14:58	40
61	Shraddha	2018-09-22 01:39:47-07:00	00:06:42	17
62	Shriya waghmare	2018-09-22 01:21:46-07:00	00:18:09	26
63	Shubham bhagat p1	2018-09-22 01:21:48-07:00	00:11:34	27
64	shubham bharat jayraj	2018-09-22 01:59:18-07:00	00:02:07	54
65	Shubham Nawle	2018-09-22 01:39:53-07:00	00:16:34	25
66	Shubhangi Nilkanth Khedkar	2018-09-22 01:22:42-07:00	00:22:50	49
67	Shubhangi rajendra ekghare	2018-09-22 01:39:18-07:00	00:08:06	26
68	Shubhangi sanjay gondchawar	2018-09-22 01:23:59-07:00	00:14:44	25
69	Shubhangi sanjay gondchawar	2018-09-22 01:44:20-07:00	00:02:33	35
70	Snehal more	2018-09-22 01:49:22-07:00	00:03:58	25
71	Somesh Devidas Khelkar	2018-09-22 01:32:37-07:00	00:23:19	61
72	Suraj shirsat	2018-09-22 01:56:19-07:00	00:02:47	44
73	Swejal	2018-09-22 01:23:29-07:00	00:15:02	22
74	Tejaswini santosh Mohod	2018-09-22 01:41:48-07:00	00:08:28	21
75	Vaishnavi Kisan aswar	2018-09-22 01:48:54-07:00	00:06:26	46
76	Vaishnavi S. Ghatil	2018-09-22 01:25:24-07:00	00:22:59	38
77	Vaishnavi sunil khode	2018-09-22 01:44:57-07:00	00:07:45	15
78	Varsha vilas chavhan	2018-09-22 01:48:58-07:00	00:08:31	19
79	Vinita Vijay shankarwar	2018-09-22 01:21:41-07:00	00:29:45	28
80	Yashwant Sanjay Deshmukh	2018-09-22 01:36:40-07:00	00:16:53	26
81	Yogesh Narayan Tonde	2018-09-22 01:38:51-07:00	00:12:23	51
82	Yogini Rajesh ghatge	2018-09-22 01:46:14-07:00	00:05:07	38
83	Yogita mukundrao gorve	2018-09-22 01:38:04-07:00	00:12:18	55

Department of Zoology

(a) Guest Lecture on Migration of Fishes

Department of Zoology organized a Guest lecture by Dr. Shyamla R. Katke, Head, Department of Zoology, Brijlal Biyani Science College, Amravati organized on the topic “Migration in Fishes” on dated 8th September 2018. Madam guided students about the importance of fishes, types, and migration of Fishes. Dr. S.M. Nagrale and Dr. SR Kohchale attended the program. Dr. Arachana Sawarkar conducted the program. All B.Sc.II students attended the program.




(b) Mobile Photography: Exhibition Cum Competition (Nature and Social Photography)

On the occasion of World Photography Day, ZEBRA cell, Zoology Department, Shri R.L.T. College of Science, Akola organized **Mobile Photography Competition & Exhibition** with them **Nature and Social Photography** on 25th August 2018 at Zoology Lab. The exhibition was Inaugurated at the hands of Principal Dr. V.D.Nanoty in the presence of Invitee Guest Mr. Sagar Ghadekar and Mr. Kushal Senad, Creative Photographers of Akola. A total of 74 students exhibited their Mobile photographs related to the theme. Three photographs were selected and awarded 1st, 2nd and 3rd prizes with two consolation prizes. Mr. Sagar Ghadekar delivered a seminar on the topic of Mobile Photography and Applications and Mr. Kushal Senad guided students on the Effective uses of Mobile for Photography. Teaching, non-teaching staff, and students visited the exhibition. More than 200 students show their presence at the seminar and appreciate the exhibition. Dr. S.M. Nagrale, HOD Zoology department has organized this event

along with teaching, Non-teaching staff, and students who were take efforts for the success of the events.



Mobile Photography: Exhibition Cum Competition


Dr. Sushil M. Nagrade
Head,
Dept. of Zoology,
Shri R.L.T. College of Science
AKOLA

2019-2020

Department of Botany

Guest Lecture on uses of Biotechnology in various fields using ICT tools

On the occasion of the “Golden Jubilee year” of our college Shri R.L.T. College of Science Dept. of Botany Holy Basil club, Environment Cell & IQAC organizes Guest lecture of Dr. Vanita Pocchi Madam On 12th Feb 2020 at 12.30 noon. The Function was inaugurated by Dr.V.D.Nanoty Sir , president of the evnt .On this occasion, Dr. Vanita Pocchi, Asso. Prof & HOD of Botany Shri Shivaji Science College, Chikhali was guest speaker and Prof.A.S.Deshmukh Dept. Of Zoology, Shri R.L.T.College of Science was Chief guest. Both felicitated by Dept. Of Botany for their valuable contribution in serving the Environment. Similarly Recently Dr.P.M.Khadse has received Ph.D. degree. He was also felicitated by the dept. For his achievement by principal. Dr. V.D.Nanoty , Dr.U.K.Bhalekar, HOD Microbiology, Dr .R. L. Rahatgaonkar IQAC Co-ordinator, Mrs.V.N.Badgujar, HOD & Co-ordinator of Holy Basil Club. were present on the Dies & grace the occasion. Prof. V.N.Badgujar introduces and explain the Moto of programme, various environmental work & green steps of Holy Basil Club and welcome the guest. The Programme was conducted by Dr.A.A.Sangole Madam. The Guest lecture delivered by Dr.Pocchi Mam was very knowledgeable & useful for the students. She explains the uses of Biotechnology in various fields. She also highlighted Biotechnology as Boon or curse & end up the lecture by quoting that how Biotechnology is useful to living beings if we are using it sustainably. On this occasion the newly form body of Holy Basil Club 2019-20 was also announced. Mr.Nikhil Sharma was selected as President & Miss. Gayatri Dhomble was selected as vice-president along with 11 Members .All newly formed body was felicitated by guest. The programme was ended by Mr. S.V. Madavi by proposing Vote of thanks.In all 197 students were present for this guest lecture. Dr.Poonam Agrawal, Dr.Kavita Heda, Dr. Rashmi Joshi, were present on this occasion.All the Teaching staff, Mrs.V.N.Badgujar, Dr.P.M.Khadse, Dr.A.A.sangole Prof.S.V.Madavi, Dr.M.J.Naise,& All the Non - Teaching staff members of Botany Dept. Shri G.P.Sharma, Shri P.M.Salphale, Shri R.S.Dandnaik, Shri H.A.Umbarkar, Shri Satish Shirsat took efforts for the success of the programme. All the students of Holy Basil cub alsowork hard for the programme.



Badguyar

**Head,
Department of Botany
R.L.T College of Science
AKOLA**

Department of Chemistry

(A) Organization of Online Chemistry Aptitude Test (Quiz Competition)

Department of Chemistry Developed e-module of online test conduction and conducted the online aptitude quiz test of B.Sc-I students on 10st March 2020. The student who stood first was given a text book in the form of gift. Total 70 students participated in this test.

(B) Online Atchem ... Aptitude Test in Chemistry

Please click on the following link to download the details report of the Online Atchem-Aptitude Test (2019-20)

Link: <https://www.rltsc.edu.in/wp-content/uploads/2021/12/Report-Aptitude-Test-in-Chemistry-2019-20.pdf>

OR

Scan QR Code:



S. Agrawal
Head
Department of Chemistry
R. L. T. Science College Akola

(C) General Aptitude Test in Chemistry

General Aptitude Test in Chemistry:

On the occasion of Golden Jubilee Year of Shri RLT College of Science Akola and International Year of Periodic Table of Chemical Elements, Department of chemistry organized the **General Aptitude Test in Chemistry** on February 26 2020 in digital class room at 2.00 pm. Dr. V. D. Nanoty, Principal, Shri R.L.T. College of Science, Akola and Dr. P. T. Agrawal, Head, Department of chemistry had visited and encourage the students. In order to create interest among the students about chemistry and celebration of Golden Jubilee Year of Shri RLT College of Science, in all 26 students from B.Sc-III had been participated for the test. The AUCTA used to felicitate the top three students every year and they will be awarded with first, second and third prize with medal in annual meet of AUCTA.

Mr. S. C. Zyate Sir and Mr. Jaiswal Sir had conducted the test and worked as invigilators for the test, Ms. Bhandari Madam had evaluated the answer sheet of the students and Dr. Pravin Kawle, Asst. Professor, Department of Chemistry, Incharge, GAT 2020 and teaching staff also took efforts in conducting the test.


Head
Department of Chemistry
R. L. T. Science College Akola

Department of Computer Science/IT

(A) Guest Lectures: “Understand Industry 4.0 and Modern IT Industry Requirements

Name of the Activity: Arranged Guest Lectures on topic “Understand Industry 4.0 and Modern IT Industry Requirement			
Date	Faculty / Resource Per	Department /Committee	Name of Co-ordinator and Supportive Teachers
17-09-2019.	<i>Mr. Vijay A. Tathe</i> ,CEO of Microspectra Software Technologies Pvt. Ltd, Khamgaon	Computer Science	Asst. Prof. R. B. Ghayalkar
Time	Venue	Number of Participants	Nature: Outdoor/ Indoor
2:30 to 4 pm	Digital Class Room 01	100 (Near About)	Indoor
Support/Assistance:			

Topic/Subject of the Activity	Arranged Guest Lectures on topic “Understand Industry 4.0 and Modern IT Industry Requirement
Objective	Learn about Indusy 4.0 & Its Requirement
Methodology	Lecture with Interactive Session
Outcomes	Student were understand the Instudtry 4.0 and its requirements

Name of Coordinator Teacher & Signature	Name of Head/ Committee In-charge & Signature	Principal Signature	IQAC Coordinator (Seal and Signature)
Asst. Prof. R. B. Ghayalkar	Asso. Prof. R. G. Chavan		

Mr. R. B. Ghayalkar
(Assistant Professor)
Organizer
Department of Computer Science & IT
Shri R. L. T. College of Science Akola



Mr. Vijay A. Tathe ,CEO of Microspectra Software Technologies Pvt. Ltd, Khamgaon

(B) Guest Lectures:

“Logic Behind Programming and current trends in computer science and I. T. sectors”

Name of the Activity: Arranged Guest Lectures on topic “Logic Behind Programming and current trends in computer science and I. T. sectors”			
Date	Faculty / Resource Per	Department /Committee	Name of Co-ordinator and Supportive Teachers
07-09-2019	<i>Dr. Mamta Baheti</i> Madam from Hislop College Nagpur	Computer Science	Asst. Prof. R. B. Ghayalkar
Time	Venue	Number of Participants	Nature: Outdoor/ Indoor
1:30 to 3 pm	Digital Class Room 02	100 (Near About)	Indoor
Support/Assistance: 6			

Topic/Subject of the Activity	Arranged Guest Lectures on topic “Logic Behind Programming and current trends in computer science and I. T. sectors”
Objective	To understand logic for programming and Current trends in IT sector
Methodology	Lecture with Interactive Session
Outcomes	Student were understood the basic behind logic and current trends in IT sector



Dr. Mamta Baheti Madam from Hislop College Nagpur

Mr. R. B. Ghayalkar
(Assistant Professor)
Organizer
Department of Computer Science & IT
Shri R. L. T. College of Science Akola

(C) Guest Lectures: “Career opportunities in the I T Industries”

Name of the Activity: Arranged Guest Lectures on the topic “Career opportunities in the I T Industries”			
Date	Faculty / Resource Per	Department /Committee	Name of Co-ordinator and Supportive Teachers
31-01-2020	Mr. Kalpesh Beldar, CEO at BeldarTech- Flake, and Network Security Engineer, Network Manager, Google India Pvt Ltd	Computer Science	Asst. Prof. R. B. Ghayalkar
Time	Venue	Number of Participants	Nature: Outdoor/ Indoor
2:30 to 4 pm	Digital Class Room 01	100 (Near About)	Indoor
Support/Assistance:			

Topic/Subject of the Activity	Arranged Guest Lectures on topic “Career opportunities in the I T Industries”
Objective	To aware about career opportunities in IT industries
Methodology	Lecture with Interactive Session
Outcomes	Student were awared about career opportunities in IT industries

Name of Coordinator Teacher & Signature	Name of Head/ Committee In-charge & Signature	Principal Signature	IQAC Coordinator (Seal and Signature)
Asst. Prof. R. B. Ghayalkar	Asso. Prof. R. G. Chavan		



Mr. R. B. Ghayalkar
(Assistant Professor)
Organizer
Department of Computer Science & IT
Shri R. L. T. College of Science Akola



Mr. Kalpesh Beldar, CEO at BeldarTech-Flake, and Network Security Engineer, Network Manager, Google India Pvt Ltd

(D) Online Faculty Development Programme FDP on Latex

Department of Computer Science & IT of Shri R. L. T. College of Science, Akola MS, organized Online Faculty Development Programme FDP on Latex in collaboration with Spoken Tutorial Project, IIT Bombay for college faculty members.

LaTeX is a markup language used for the purpose of typesetting. Currently, many academic papers, scientific or technical papers use LaTeX to embrace a top-notch layout. It also eases the readability of a document by enhancing its appearance.

Spoken Tutorial Project is about teaching and learning a particular FOSS (Free and Open Source Software) via easy videos tutorials.

Registration of FDP was stated from

Registration of FDP was taken on 26 & 27 April and from 27 April 2020 Online-FDP was started with 50 participants from our college and other college as well.

For the organization of online FDP Mr. Ram B. Ghayalkar, Asst. Professor of department of Computer Science work as coordinator, Prof R. G. Chavan of Electronics Department work as Convener and Principal Dr. V. D. Nanoty as Advisor of this FDP.

Name of the Activity: Online Faculty Development Programme FDP on Latex			
Date	Faculty/ Resource Per/ Conducted by	Department /Committee	Name of Co-ordinator and Supportive Teachers
27 to 02-04-20 (Online Test conducted on (09-05-2020))	In Collaboration Shri R. L. T. College of Science, Akola MS With Spoken Tutorial Project, IIT Bombay	Computer Science	Asst. Prof. R. B. Ghayalkar
Time	Venue	Number of Participants	Nature: Outdoor/ Indoor
11 to 5pm (In Between)	From Home online through proper login	50	Indoor

Topic/Subject of the Activity	Online Faculty Development Programme FDP on Latex
Objective	Improve of Faculty Development Knowledge in Latex Software
Methodology	Learning through Tutorials and assess by online test and issued certificate
Outcomes	Faculty member got knowledge about LATEX software

List of Participants Registered:

AJAY	CHENDKE	ajay_chendke@rediffmail.com
AMBIKA	JAISWAL	asjamazon@gmail.com
ANIL	BHILKAR	anilbhilkar2017@gmail.com
ANITA	DUBE	happysachin8174@gmail.com
ANWAR	HAQUE	anwarussaher@gmail.com
ARCHANA	RAUT	archna.raut@raisoni.net
ARVIND A	TAYADE	gsckcompsci@gmail.com
ASHISH	PATOKAR	patokarashish89@gmail.com
ASHISH	SARAP	sarap.aashish1@gmail.com
ASMA FATIMA	ABDUL JABBAR	asma41900@gmail.com
ATUL	SHINGARWADE	atulshingarwade725@gmail.com
DARSHIKA	LOTHE	darshlothe@gmail.com
KAPIL	TAJANE	kapiltajane@gmail.com
KARUNA	SHARMA	iamkrsharma@gmail.com
KARUNA	BAGDE	karunabagde15@gmail.com
KISHOR	KOPARKAR	kakoparkar@gmail.com
KISHOR	SUPATKAR	kishore_supatkar@rediffmail.com
KRANTI	SAPKAL	krantisapkall2006@gmail.com
KSHITIJA	PATIL	kshitikrp@gmail.com
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PRACHI	NITNAWARE	prachivpm@gmail.com
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PRITI	AGRAWAL	agrawalpm79@gmail.com
RASHMI	JOSHI	rashmisawalkar75@gmail.com
RASIKA	AWATADE	rasika.awatade146@gmail.com
RITU	CHANDAK	aritu710@gmail.com
RUPALI	KALE	rupalipundkar47@gmail.com
SACHIN	JOSHI	joshijirt@gmail.com
SAMADHAN	MUNDE	samadhan.munde86@gmail.com
SANDHYA	MHASKE	mhaske.sandhya9may@gmail.com
SANTOSH	NAKADE	santosh_nakade@yahoo.co.in
SANTOSH MADHUSING	CHAVAN	gopalsingchavan86@gmail.com
SHAILESH	JAISWAL	shaileshjaiswal02@rediffmail.com
SHUBHANGI	TIDAKE	shubhtidke29@gmail.com
SUDESHKUMAR	CHOUDHARY	rdikcps@rediffmail.com

Certificates:





Mr. R. B. Ghayalkar
(Assistant Professor)
Organizer
Department of Computer Science & IT
Shri R. L. T. College of Science Akola

(E) Spoken Tutorial Project Report (Training & Assessment Test)

- **Spoken Tutorial Project IIT Bombay Activity**

Department of computer science & I.T. organized *Spoken Tutorial Project* for student of B.Sc. II & B.Sc. III, their training were organized in Feb -2020 and online assessment test conducted on 13-03-2020 & 23-04-2020(re-test). In this training students learned FOSS (Free and Open Source Software) C++ & Java by Audio- Videos Spoken Tutorials.

Spoken Tutorial Project is followed by **Training &** Online Assessment Test remotely conducted by IIT Bombay, qualified students (Above 40% marks) offered certificates by IIT Bombay.

This training is offered by the Spoken Tutorial Project, IIT Bombay, funded by National Mission on Education through ICT, MHRD, Govt., of India.

In Final Assessment Test on **C++ Language** 19(out of 36) and **JAVA language** test 12 (out of 16) students got qualified and issued **Certificates** which are offered by the *Spoken Tutorial Project, IIT Bombay*, which are very valuable in their career point of view.

List of Students Registered:

FOSS : C++

#	First Name	Last Name	Email Id
1	SHIVANI	SONONE	shivanisonone2612@gmail.com
2	TRIVENI	WANKHADE	wankhadetriveni@gmail.com
3	PALLAVI	DEVAR	pallavidevar12@gmail.com
4	KANCHAN	ANASANE	kanchananasane91507@gmail.com
5	HRUTUJA	DHORE	hrutujadhore2000@gmail.com
6	POOJA	JAAT	poojajaat199@gmail.com
7	SWATI	IRACHE	yogeshirache@gmail.com
8	PRAJAKTA	PARATE	prajaktaparate1999@gmail.com
9	RUSHALI	MHAISNE	rushalimhaisne21@gmail.com
10	JANHAVI	UJAWANE	janhaviujawane@gmail.com
11	VAISHNAVI	KULAT	vaishnavikulat63@gmail.com

[SSR/Criterion-II/ Teaching, Learning & Evaluation/ QIM-2.3.1]

12	VAISHNAVI	PATIL	vaishnavipatil997780@gmail.com
13	MADHURA	KULKARNI	madhurakulkarni559@gmail.com
14	SAKSHI	SONTAKKE	sakshisontakker@gmail.com
15	SANJANA	MUNDADA	sanjanammundada@gmail.com
16	ARATI	GOLE	aratigole201@gmail.com
17	DHANASHREE	PADDAKHE	dhanashreepaddakhe20@gmail.com
18	ISHWARI	HINGNE	ishwarihingane0391@gmail.com
19	ANUJA	INGLE	anujamanikrao@gmail.com
20	ADITI	KOLHE	aditikolhe3119@gmail.com
21	RUPALI	IDHOL	rupali.idhol4444@gmail.com
22	PUNAM	BAKHADE	punambakhade2017@gmail.com
23	PRATIKSHA	BHAD	pratikshabhad799@gmail.com
24	APURVA	INGLE	apurvaingle5555@gmail.com
25	MAYURI	GHONGE	mayurighonge27@gmail.com
26	VAISHNAVI	METANGE	vmetange8@gmail.com
27	PRATIK	DESHMUKH	pratiksd222@gmail.com
28	NIKHIL	MANKAR	nikhil220599@gmail.com
29	SARANG	SARJEKAR	sarangsarjekar24@gmail.com
30	VISHWAJIT	TIDKE	vtidke56@gmail.com
31	ADITYA	GAWANDE	adityagawande739@gmail.com
32	DEVESH	KHANDARE	dkmad459@gmail.com
33	SWAPNIL	TAYADE	iamswapnil444@gmail.com
34	SURAJ	MUNDADA	surajmmundada@gmail.com
35	VRUSHALI	INGLE	vrushaliingle861@gmail.com
36	PRAGATI	UMALE	pragatiumale05496@gmail.com

FOSS : JAVA

#	Name	E-Mail
1	DIKSHA GOLAIT	dikshagolait16@gmail.com
2	DNYANESHWARI BHATKAR	dnyaneshwaribhatkar74@gmail.com
3	JANHAVI DOLAS	janhavidolas04@gmail.com
4	KALYANI SANGADE	kalyanisangade394@gmail.com
5	MAYURI CHABILE	mayurichabile123@gmail.com
6	NEHA HARIMKAR	nehaharimkar5959@gmail.com
7	PRACHI UBALE	prachisubale.99@gmail.com
8	PRERNA PASORIYA	prenapasoriya11@gmail.com
9	PRERNA GHUIKAR	premnaghuikar@gmail.com

10	SAURABH PAGRUT	saurabhpagrut2016@gmail.com
11	SHEFALI AGRAWAL	agrawalshefali1998@gmail.com
12	SIMRAN GADODIYA	simrangadodiya99@gmail.com
13	SURAJ ANNADATE	suraj.annadate98@gmail.com
14	VAISHNAVI DESHMUKH	vaishnavirdeshmukh18@gmail.com
15	VAISHNAVI WARHADE	vaishuwarhade15@gmail.com
16	VISHAL BHILKAR	vishalbhilkar657@gmail.com

List of Students successfully passed the assessment test with above 40 % marks in this test and issued Certificates:

FOSS : C++

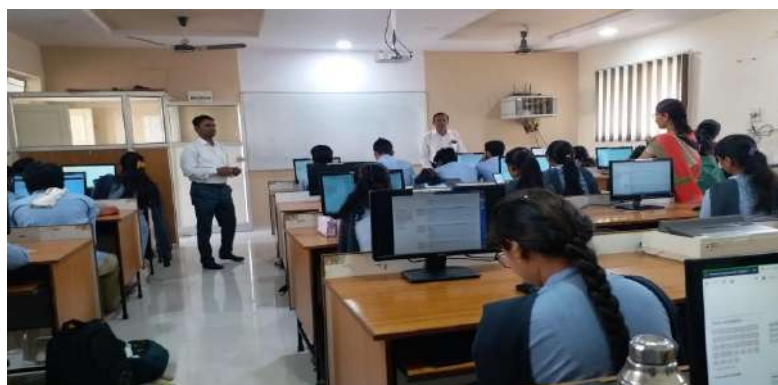
#	First Name	Last Name	Email Id
1	SHIVANI	SONONE	shivanisonone2612@gmail.com
2	TRIVENI	WANKHADE	wankhadetriveni@gmail.com
3	KANCHAN	ANASANE	kanchananasane91507@gmail.com
4	SWATI	IRACHE	yogeshirache@gmail.com
5	VAISHNAVI	KULAT	vaishnavikulat63@gmail.com
6	ARATI	GOLE	aratigole201@gmail.com
7	DHANASHREE	PADDAKHE	dhanashreepaddakhe20@gmail.com
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Certificates:



R. Ghayalkar

Mr. R. B. Ghayalkar
 (Assistant Professor)
Project/ Workshop Organizer
Department of Computer Science & IT
Shri R. L. T. College of Science Akola

Department of Mathematics

Guest Lecture on “Mathematical Patterns of Share Market Fluctuations”

The Berar General Education Society's
Shri R. L. T. College of Science, Akola
NAAC Re-accredited by "A" Grade (CGPA-3.12)

Department of Mathematics
in collaboration with Alumni Association & IQAC
Shri R. L. T. College of Science, Akola

Organizes
Guest Lecture on **Mathematical Pattern of Share Market Fluctuations**
on the Occasion of Golden Jubilee Year Celebration

INVITATION

Resp. Sir / Madam :

We are cordially inviting you for the guest lecture on **Mathematical Pattern of Share Market Fluctuations** on the Occasion of **Golden Jubilee Year Celebration**

*** Chairman ***
Dr. V. D. Nanoty
(Principal, Shri R. L. T. College of Science, Akola)

*** Speaker ***
Shri. V. L. Ruiwale
(Ex. Asso. Professor, Dept. of Mathematics,
Shri R. L. T. College of Science, Akola)

Date & Time : Saturday, 12th Oct. 2019 , 2:30 pm
Venue : Room No. 19, Shri R. L. T. College
of Science, Akola

*** Organising Committee ***

Dr. R. L. Rahatgaonkar (NAAC Co-ordinator)	Dr. S. B. Tadam (Head of Dept.)
Dr. S. L. Munde	Ms. Asma Fatima Abdul Jabbar
Ms. Karuna Sharma	Mr. Yogesh Heda

Department of Mathematics , Alumni Association & IQAC
Shri R. L. T. College of Science, Akola

Report: On the occasion of Golden Jubilee celebration of Shri R.L.T. College of Science the department of mathematics in collaboration with Alumna Association and IQAC organized a guest lecture on the topic “Mathematical Patterns of Share Market Fluctuations” by

Mr.V.L.Ruiwale, Ex. Asso. Professor of Shri R.L.T College of Science, Akola on Saturday 12th October 2019 in Room no 19. The members of the organizing committee were Dr. R. L. Rahataonkar (NAAC Co-ordinator), Dr.S.B.Tadam (H.O.D), Dr.S.L.Munde(Asst. Prof.), Mr Y.O.Heda. Miss Asma Fatima and Ms. Karuna Sharma. All the students of M.Sc. Ist and IInd year (Maths) attended the lecture.

The President of the program was Principal Dr.V.D.Nanoty sir. The program was also graced by the presence of Mr. M.R.Ubale(librarian) & Mr.R.M.Agrawal (Asst. Prof), Mr. Manish Sachdev & Mr. Nilesh Deoke financial Advisory since fifteen years. The introductory speech was given by Dr. S.B.Tadam (H.O.D) in which she advised the students on the importance of application of mathematics and its uses. In Presidential speech Principal Dr.V.D.Nanoty sir glorified the fifty years that the college is about to complete this year, He also motivated students to gain knowledge to build a strong future.

After a short introduction about the speaker given by Miss Asma Fatima, Mr.V.L.Ruiwale, began his lecture, giving a brief insight on share market he moved on with the mathematical aspects in calculating the trends in the share market. The lecture was quite productive for all the listeners who wanted to have knowledge on how to invest their money and how to grow it.

He said that investment should start from a young age. In addition, during the lecture, the students learn how to calculate the risk factor in the market. He advised the students to learn relevant theory before entering the market and how not to play the blind game. The lecture was not only informative but also aspired students, teachers and all the listeners to gain an insight on financial planning.

The conduction of the program was done by Miss Asma Fatima Ab Jabbar and Miss Karuna Sharma proposed the vote of thanks.



Dr. S. B. Tadam
Asst. Professor and Head,
Department of Mathematics

Photo Gallery



Department of Microbiology

(A) International Guest Lecture

Department of Microbiology, Shri RLT College of Science, Akola (MS) today organised International Guest Lecture by eminent Scientist and Faculty Dr. Anjana Singh From Tribhuvan University Nepal and Dr. Tanzima Yeasmin from Rajshahi University Bangladesh. PG and UG students of Microbiology of Akola city with Faculties took advantage of this scientific feast.

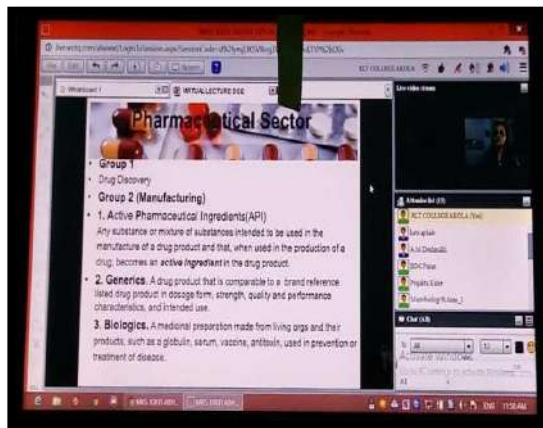
This could become possible because of Dr. Arvind Deshmukh sir, President Microbiologist Society, India and our visionary Principal Dr. Vijay Nanoty Sir. Dr. U.K. Bhalekar, Head Department of Microbiology, Dr. H.S. Malpani and Ms. S.N.Gawande worked hard to make this event successful.



Dr.H.S.Malpani
Asstt.Professor & Head
Dept.of Microbiology
Shri R.L.T.College of Science,Akola

(B) One-day National Webinar on Roles of Microbiologists in Industries

Microbiologists Society, India and Sanjivani arts, commerce, and science college Korpgaon jointly organized one day of National Webinar on Roles of Microbiologists in Industries. Our Microbiology students of m.sc part 1 and part 2 activity participated in the national Webinar. On this occasion Principal Dr. V.D.Nantoy, HOD Dr.U K. Bhalekar, and faculty Ms. Shradha, Mr. Sandeep, Ms. Abhilasha, Ms. Shital, Ms. Priya, Ms. Sonali, and Ms. Maithilee were present.

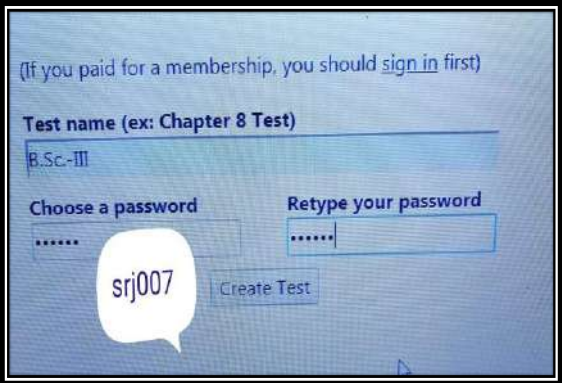
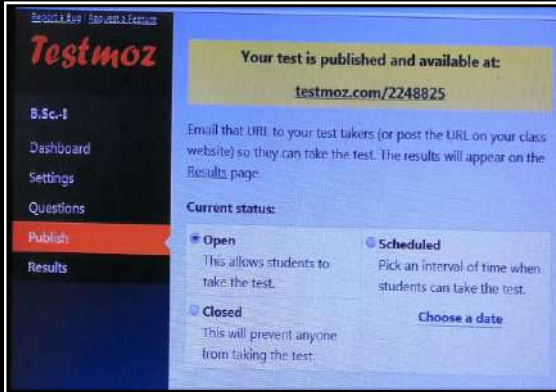
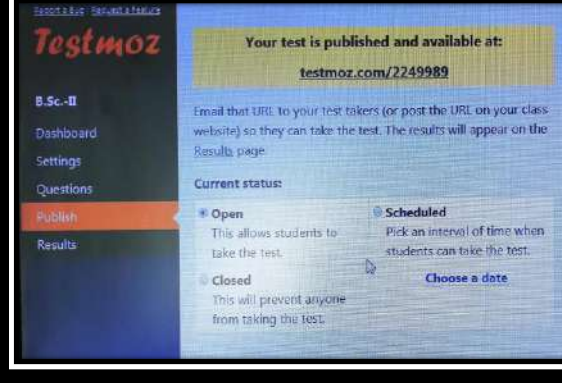
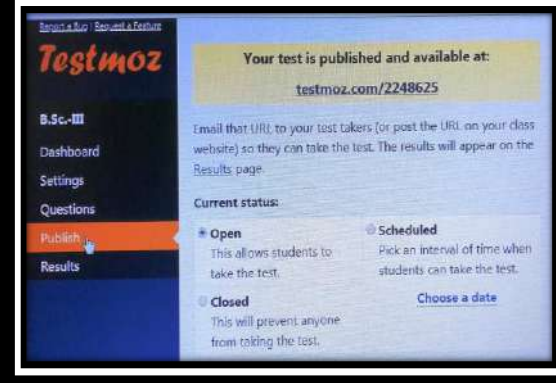



Dr. H. S. Malpani
Asstt. Professor & Head
Dept. of Microbiology
Shri R.L.T. College of Science, Akola

Department of Physics

(A) Online Physics MCQs Test on Mobile Phones

Department of physics, shri R. L. T. College of science, Akola has conducted **online Physics MCQs test on mobile phones for the B.Sc. odd semesters students** on half portion of syllabus on dated **18th September 2019**. The main objective of the Online Physics MCQs Test is to develop the knowledge of Physics which is helps the U.G. students for preparation of IIT JAM, NET, GATE, JEST examination. Advantage of online exam is paper-less, automatically checked answers, report and performing analysis so that it is a time saving technique. Total **201** students from all semesters were participated in this event. Topper students of each year gave the appreciation certificate by the hands of our college principal Dr. V. D. Nanoty in the presence of Dr. Bhoyar, guest lecturer of e- learning and e- class room.

	
<p>Test Name Window and Admin password</p>	<p>Test code B.Sc.-I : testmoz.com/2248825</p>
	
<p>Test code B.Sc.-II : testmoz.com/2249989</p>	<p>Test code B.Sc.-III : testmoz.com/2248625</p>



B.Sc.-I year students solve test on mobile



B.Sc.-II year students solve test on mobile



B.Sc.-III year students solve test on mobile



I year students solve test on mobile



Selected topper students



Students Felicitation by Dr. Bhojar



Felicitation of students



Felicitation of students



Felicitation of students



Prize announcement

Name	Start Date/Time	Time	Perce	Points	Points	Kepler's f	Kepler's t	The mom	S.I unit of	Moment c	Momentu	Thi
P2 Ajay S Wankhade	2019-09-18 17:19:22+07:00	0:02:22	100	40	40	40	40	40	kg.m ²	MR2/2	vector	sar
Ritika	2019-09-18 17:10:24+07:00	0:03:24	95	38	40	40	40	40	kg.m ²	MR2/2	vector	sar
Sakshi anandrao tale	2019-09-18 17:17:35+07:00	0:08:55	95	38	40	40	40	40	kg.m ²	MR2/2	vector	sar
Mandar kalley	2019-09-18 17:16:00+07:00	0:00:57	90	36	40	40	40	40	kg.m ²	MR2/2	vector	sar
P1 Pragati Lakshman Minas	2019-09-18 17:14:43+07:00	0:05:50	90	36	40	40	40	40	kg.m ²	MR2/2	tensor	sar
P2 Jaya mirani	2019-09-18 16:56:08+07:00	0:08:07	90	36	40	40	40	40	kg.m ²	MR2/2	scalar	sar
P3 Radhika Gopal Malokar	2019-09-18 16:58:11+07:00	0:10:57	90	36	40	40	40	40	kg.m ²	MR2/2	vector	les
PBARATI BALU GHATE	2019-09-18 16:57:34+07:00	0:10:59	90	36	40	40	40	40	kg.m ²	MR2/2	vector	les
P1 vaishnavi pandhari chav	2019-09-18 17:04:23+07:00	0:04:30	90	36	40	40	40	40	kg.m ²	MR2/2	tensor	sar
P1 pranoti Vijaya mahalle	2019-09-18 17:14:16+07:00	0:05:16	85	34	40	40	40	40	kg.m ²	MR2/2	vector	grk
P2 sakshi vatesha	2019-09-18 16:56:13+07:00	0:06:28	85	34	40	40	40	40	kg.m ²	MR2/2	scalar	sar
P3 Tejas Patange	2019-09-18 17:10:01+07:00	0:02:02	85	34	40	40	40	40	kg.m ²	MR2/2	vector	sar
Radhika Rajote	2019-09-18 17:01:19+07:00	0:03:24	85	34	40	40	40	40	kg.m ²	MR2/2	vector	grk
Sonali ramesh godwe	2019-09-18 16:56:29+07:00	0:08:21	85	34	40	40	40	40	kg.m ²	MR2/2	tensor	les
Utkarsh sule	2019-09-18 17:10:59+07:00	0:05:26	85	34	40	40	40	40	kg.m ²	MR2/2	scalar	sar
Aditya p1	2019-09-18 17:17:55+07:00	0:02:14	80	32	40	40	40	40	kg.m ²	MR2/2	scalar	sar
Aishwarya Pathak (P1)	2019-09-18 16:56:30+07:00	0:08:31	80	32	40	40	40	40	kg.m ²	MR2/2	tensor	les
Atharva sanjay Patharkar (2019-09-18 17:10:45+07:00	0:05:45	80	32	40	40	40	40	kg.m ²	MR2/2	tensor	sar
P1 Pooja Diliprao Hatgeoni	2019-09-18 16:56:26+07:00	0:02:52	80	32	40	40	40	40	kg.m ²	MR2/2	tensor	les
P4 Vaishnavi Prakash Dang	2019-09-18 16:55:28+07:00	0:05:53	80	32	40	40	40	40	kg.m ²	MR2/2	scalar	sar
P6 Samiksha Rajan Sharma	2019-09-18 16:55:50+07:00	0:10:33	80	32	40	40	40	40	kg.m ²	MR2/2	vector	sar
Asmita Pradip khandare	2019-09-18 17:02:38+07:00	0:05:26	75	30	40	40	40	40	kg.m ²	MR2/2	vector	sar
P1 Aishwarya Dilip Waskar	2019-09-18 16:57:44+07:00	0:08:09	75	30	40	40	40	40	kg.m ²	2/3MR2	tensor	sar

[SSR/Criterion-II/ Teaching, Learning & Evaluation/ QIM-2.3.1]

B.Sc.-II

Name	Start Datetime	Time	Percent	Points	Points	Diverge	The elc	Magnit	If the d	The dir	Th
P1 prashant rathi	2019-09-18 12:01:18+05:30	0:09:21	80	32	40	scalar qua	Negative	no. of turri solenoida	Lenz's law	chi	
P6 Dhanashree Anil Barshe	2019-09-18 12:02:07+05:30	0:04:20	70	28	40	scalar qua	Negative	all of the none of th	Faradays l	chi	
Vaibhav wadekar	2019-09-18 11:56:23+05:30	0:01:38	70	28	40	zero	Negative	no. of turri irrotation	Lenz's law	chi	
Mukta	2019-09-18 11:55:09+05:30	0:00:50	65	26	40	scalar qua	Negative	no. of turri solenoida	Fleming le	chi	
(p4) pragati jaydrath kankal	2019-09-18 12:10:08+05:30	0:02:11	60	24	40	scalar qua	positive	all of the none of th	Lenz's law	chi	
Arati p.gole (P3)	2019-09-18 12:01:35+05:30	0:13:25	60	24	40	scalar qua	Negative	all of the none of th	Lenz's law	chi	
Mukta Mangalsingh Charawande	2019-09-18 11:53:28+05:30	0:00:58	60	24	40	scalar qua	Negative	no. of turri irrotation	Fleming le	chi	
P4 Arti Gayki	2019-09-18 11:40:57+05:30	0:18:33	60	24	40	scalar qua	zero	no. of turri solenoida	Lenz's law	chi	
Riya Bhongde (P2)	2019-09-18 11:42:44+05:30	0:16:22	60	24	40	scalar qua	zero	no. of turri irrotation	Lenz's law	chi	
(p2) Vrushi Surenra Ingle	2019-09-18 11:43:14+05:30	0:15:44	50	20	40	scalar qua	zero	all of the irrotation	Lenz's law	ste	
P2 Triveni P. Wankhade	2019-09-18 11:42:11+05:30	0:10:32	50	20	40	scalar qua	zero	no. of turri none of th	Faradays l	chi	
(P2) Pooja haomannaram jaat	2019-09-18 11:40:45+05:30	0:17:36	45	18	40	Vector qu	Negative	length of: solenoida	Faradays l	chi	
P2 Pallavi prakash devar	2019-09-18 11:42:06+05:30	0:14:51	45	18	40	zero	Negative	no. of turri irrotation	Fleming le	chi	
P2 Sanjana Murlidhar mundada	2019-09-18 11:41:26+05:30	0:16:09	45	18	40	scalar qua	positive	no. of turri irrotation	Faradays l	chi	
P6 Vaishnavi Devendra Metange.	2019-09-18 11:59:16+05:30	0:07:12	45	18	40	Vector qu	positive	no. of turri linear	Lenz's law	chi	
Komal gawai	2019-09-18 12:05:09+05:30	0:01:50	40	16	40	Vector qu	constant	no. of turri irrotation	none of th	chi	
P2 Hrutuja Pramod Dhore	2019-09-18 11:40:45+05:30	0:15:15	40	16	40	scalar qua	zero	all of the solenoida	Faradays l	chi	
P5 Sagar chechare	2019-09-18 11:41:14+05:30	0:14:05	40	16	40	scalar qua	positive	length of: linear	Lenz's law	chi	
P2 Akshay Kallias Ingle	2019-09-18 11:47:35+05:30	0:16:01	35	14	40	constant	c positive	no. of turri solenoida	Lenz's law	chi	
P3 Pranay Tiwari	2019-09-18 11:41:06+05:30	0:08:49	35	14	40	zero	Negative	no. of turri solenoida	Fleming le	chi	
P4 samiksha ujaval thakre	2019-09-18 11:40:59+05:30	0:12:11	35	14	40	Vector qu	Negative	no. of turri irrotation	Lenz's law	ste	
Vicky sonone	2019-09-18 12:01:07+05:30	0:05:10	35	14	40	scalar qua	Negative	all of the solenoida	Faradays l	chi	
Vikas	2019-09-18 11:56:32+05:30	0:09:03	35	14	40	Vector qu	zero	no. of turri solenoida	Faradays l	chi	

B.Sc.-III

Name	Start Datetime	Time	Percent	Points	Points	The nul	The qui	The rad	Which	The ord	E
Rohit Awadhut	2019-09-18 14:39:38+05:30	0:15:52	90	36	40	2n2	Microscop	Photons	$\lambda = h/p$	Shape of ϵ	A
P4 shantanu suryakant wankhade	2019-09-18 14:37:37+05:30	0:20:35	80	32	40	2n2	Microscop	Photons	$\lambda = h/p$	Size of ϵ	A
Prachi anil Ingle(p4)	2019-09-18 14:55:52+05:30	0:06:53	80	32	40	2n2	Microscop	Photons	$E = hv$	Shape of ϵ	A
Ajinkya Deshmukh	2019-09-18 14:37:50+05:30	0:17:56	75	30	40	2n2	Microscop	Photons	$E = hv$	Shape of ϵ	A
P4 Samruddhi Mulay	2019-09-18 14:41:31+05:30	0:22:32	75	30	40	2n2	Microscop	Photons	$\lambda = h/p$	Orientatic	A
P4(Nikhil Chakranarayan)	2019-09-18 14:36:08+05:30	0:24:23	75	30	40	2n2	Microscop	Photons	$E = hv$	Shape of ϵ	A
Vaishnavi warhade	2019-09-18 14:48:53+05:30	0:09:58	75	30	40	Both (a) a	Both (a) a	Photons	$E = hv$	Shape of ϵ	A
Janhavi Dolas	2019-09-18 14:43:32+05:30	0:20:20	70	28	40	2n2	Microscop	Photons	$E = hv$	Orientatic	A
P2 Prachi Ubale	2019-09-18 14:35:54+05:30	0:17:04	70	28	40	2n2	Microscop	Photons	$E = hv$	Shape of ϵ	A
P2 yashad prakash vyavhare	2019-09-18 14:41:28+05:30	0:21:11	70	28	40	2n2	Microscop	Photons	$E = hv$	Shape of ϵ	A
P4 Anuraj Gajendarsingh Chauhan	2019-09-18 14:40:37+05:30	0:18:36	70	28	40	2n2	Microscop	Photons	$E = hv$	Size of ϵ	A
P4 Gauri anant Tayade	2019-09-18 14:38:40+05:30	0:16:22	70	28	40	2n2	Microscop	Photons	$E = hv$	Orientatic	A
P4 Mahendra prakash khanderao	2019-09-18 14:36:29+05:30	0:18:55	70	28	40	2n2	Microscop	Photons	$E = hv$	Shape of ϵ	A
Isha Dipak Bhagvatkar	2019-09-18 14:37:24+05:30	0:22:09	65	26	40	2n2	Macroscop	Photons	$E = hv$	Shape of ϵ	A
P2 Prerna Ghuikar	2019-09-18 14:54:47+05:30	0:11:19	65	26	40	Both (a) a	Microscop	Photons	$E = hv$	Spin of ϵ	A
P3 Aishwarya s. Tayade	2019-09-18 14:45:46+05:30	0:16:30	65	26	40	2n2	Microscop	Photons	$E = hv$	Spin of ϵ	A
P4 K. trupti Sandip dabhale	2019-09-18 14:36:48+05:30	0:19:16	65	26	40	2n2	Microscop	Photons	$E = hv$	Size of ϵ	A
P4 Madhavi S. Bondre	2019-09-18 14:37:47+05:30	0:20:42	65	26	40	2n2	Microscop	Photons	$E = hv$	Orientatic	A
P4 Nikita Bhauroo jane	2019-09-18 14:36:41+05:30	0:10:49	65	26	40	None of tl	Microscop	Photons	$E = hv$	Shape of ϵ	A
P4 Pallavi sharad ingole	2019-09-18 14:38:22+05:30	0:17:06	65	26	40	2n2	Microscop	Photons	$E = hv$	Size of ϵ	A
Bhagyashree Rajesh Saitwal	2019-09-18 14:41:03+05:30	0:18:06	60	24	40	2n2	Macroscop	Photons	$E = hv$	Shape of ϵ	A
Gayatri Gajanan pagrut	2019-09-18 14:38:17+05:30	0:18:59	60	24	40	2n2	Microscop	Photons	$E = hv$	Size of ϵ	A
Kalyanisangade	2019-09-18 14:47:08+05:30	0:11:02	60	24	40	Both (a) a	Both (a) a	Photons	$E = hv$	Shape of ϵ	A

Shri S. R. Jaiswal
 Coordinator
 Shri R. L. T. College o Science, Akola



The Berar General Education Society's
Shri Radhakisan Laxminarayan Toshniwal
College of Science, Akola

NAAC Reaccredited Grade 'A' with CGPA 3.12

Recognized by Govt. of Maharashtra, Affiliated to Sant Gadge Baba Amravati University, Amravati



CO-CURRICULAR ACTIVITY

Online MCQ's Test on half portion of syllabus

CERTIFICATE OF APPRECIATION

This is certified that Mr./Miss.....of B.Sc.-.....

has actively participated in online MCQ's test & secured.....rank. The test organized

by Department of Physics, Shri R.L.T. College of Science, Akola on 18th September 2019.

Mr. S. R. jaiswal
Coordinator

Mr. P. P. Gedam Dr. R. M. Agrawal
Member

Dr. V. D. Nanoty
H.O.D./Principal

(B) Online Physics Aptitude Test

 **THE B. G. E. SOCIETY'S** 

SHRI R. L. T. COLLEGE OF SCIENCE, AKOLA

NAAC Re-accredited by "A" Grade (CGPA-3.12)

DEPARTMENT OF PHYSICS

In Collaboration with

Internal Quality Assurance Cell (IQAC)

In association with

Amravati University Physics Teachers' Association (AUPTA)

*On The Occasion Of Golden jubilee year Celebration of college &
Birth Anniversary Of Albert Einstein*

Department Of Physics Organises

"Online Physics Aptitude Test for B.Sc.-III Students"

Saturday 14th March 2020, From 11:00 am to 11:30 am

Organising Committee

Dr. V. D. Nanoty Principal	Mr. S. R. Jaiswal Organising Secretary (Mob: 8806070156)	Mr. P. P. Gedam Convener
Dr. R. L. Rahtgaonkar IQAC Coordinator		Dr. R. M. Agrawal Co-Convener

Report: On the occasion of golden jubilee year celebration and the birth anniversary of Albert Einstein, Department of physics, Shri R. L. T. College of science, Akola has conducted “**Online Physics Aptitude Test**” for B.Sc. - 3rd year students in collaboration with Internal Quality Assurance Cell (IQAC) Shri R. L. T. College of Science, Akola and in association with Amravati University Physics Teacher Association (AUPTA), which is held on 14th **March 2020**.

Total **301** students from fifteen colleges under Amravati University had been participated in this online test. The Online Physics Aptitude Test was conducted by using **testmoz** software. The online paper was taken of 100 marks. The first three students with the highest marks out of 301 students were declared as winners. The winners include Sneha Tiwari from Shri Shivaji college of Arts, Commerce & Science, Akola on 1st position, Devidas Bhagat from M.S.P. arts and K.P.T. Commerce College, Manora on 2nd position and Samruddhi Mulay from Shri R. L. T. College of Science on 3rd position. The winners gave the appreciation certificate and mementos by the hands of our college principal Dr. V. D. Nanoty. All remaining students were given the participation certificate.

The main objective of the Online Physics Aptitude Test is to develop the knowledge of Physics which helps the U.G. students for preparation of IIT JAM, NET, GATE, JEST examination. Advantage of online exam is paper-less, automatically checked answers, report and performing analysis so that it is a time saving technique. The online test was successful by the efforts of the organizing committee members, teaching staff and non-teaching staff under the graceful guidance of the principal, Dr. V. D. Nanoty.



Shri S. R. Jaiswal
Coordinator
Shri R. L. T. College of Science, Akola

The Photographs Shows Students in fifteen colleges solve the test



Government Vidharbha Institute of Science and Humanities, Amravati



Jagdamba Mahavidyalaya, Achalpur.



J.D. Patil Sangludkar Mahaviyalaya, Daryapur Dist. Amravati.



**Shankarlal Khandelwal Arts,
Commerce & Science College,
Akola.**

**Shivramji Moghe Arts , Commerce
& Science College Kelapur.
(Pandhakawada)**



**M.S. P. Arts and Science and
K.P.T. Commerce College,
Manora.**



**Vinayak Vidnyan Mahavidyalaya
Nandgaon Khandeshwar Dist. Amravati.**



Shri Shivaji College of Arts, Commerce and Science, Akola.



Shri Shivaji Arts, Commerce and Science College Akot, Dist Akola.



Rajashri Shahu College, Chandur Rly.



Shri Shivaji Science College Amravati



Vidyabharti Mahavidyalaya Amravati.



Y.C Arts & Science Mahavidyalaya, Mangrulpir Dist. Washim



Shri Radhakisan Laxminarayan Toshniwal College of Science, Akola.

List of Participants:

Sr. No.	Name	Time	Percent	Points Earned	Points Possible
1	Sneha Tiwari	0:28:14	54	54	100
2	DEVIDAS KISAN BHAGAT	0:27:19	50	50	100
3	Samruddhi mulay R. L. T akola	0:29:45	50	50	100
4	Shantanuwankahderltcollege	0:30:04	50	50	100
5	Avinash A Tale	0:29:52	48	48	100
6	Shivani Ingole Vidyabharti Amravati	0:27:18	48	48	100
7	Shweta A. Kausal	0:29:58	48	48	100
8	Saket Khedkar JDPS DARYAPUR	0:13:13	46	46	100
9	Anchali Somasekharan Pillai SSC Amravati	0:28:21	46	46	100
10	DnyaneshwariBhatkarRLT Akola	0:30:02	46	46	100
11	Priyankakathoderltakola	0:30:02	46	46	100
12	Rutuja Patil Vidyabharati Amravati	0:28:17	46	46	100
13	Aniket Eknath Donode GVISH AMRAVATI	0:26:12	44	44	100
14	Praful chavhan gsgc umarkhed	0:09:54	44	44	100
15	Bhagyashri sonar vidyabharti amravati	0:28:01	44	44	100
16	Fatema Shaikh RLT Akola	0:30:03	44	44	100
17	Ku.trupti Sandip davhale.rlt akola	0:28:39	44	44	100
18	Pragati N Talokar	0:28:58	44	44	100
19	Snehal U Khodke	0:24:29	44	44	100
20	Komal Rokade YCM	0:30:01	42	42	100
21	Radha Kale JDPSM DARYAPUR	0:30:04	42	42	100
22	Ram Dahatre YCM M.PIR	0:28:42	42	42	100
23	Swapnil Athawale JDPSM DARYAPUR	0:28:20	42	42	100
24	Aishwarya Ramraoji Bhosale SSC Amravati	0:29:59	42	42	100
25	Ajay pathade gsgc umarkhed	0:03:36	42	42	100
26	Vicky Chincholkar SSC Amravati	0:28:52	42	42	100
27	NikitajaneRLT AKOLA	0:25:22	42	42	100
28	Komal Dhote.	0:30:03	40	40	100
29	Ku.Vaishnavi Khirade YCM	0:30:02	40	40	100
30	Prachi Pradip Changal	0:30:04	40	40	100
31	Ankita Nalawade GSGC Umarmhed	0:30:03	40	40	100
32	Dhiraj shende SSC AMRAVATI	0:29:17	40	40	100
33	Om Raju Raut	0:22:06	40	40	100
34	Prajyot Yadavrao Bhagat	0:26:41	40	40	100
35	Pranjali haribhau ingole	0:27:00	40	40	100
36	Prathamesh Vijay Laware GVISH AMRAVATI	0:28:21	40	40	100
37	Shubham Vasudev Gawande	0:29:28	40	40	100
38	Yuvraj Rajesh Thakare GSGC umarkhed	0:30:03	40	40	100
39	Anuraj chauhan(RLT akola)	0:30:03	40	40	100
40	Madhavibondrerltakola	0:29:10	40	40	100
41	Megha Bothe	0:26:42	40	40	100
42	Sakshi Ajay chintawar	0:28:05	40	40	100
43	Swabhimani Lahupachang Vidyabharti Amravati	0:28:39	40	40	100
44	Vaishnavi Vyawhare Vidyabharati Amravati	0:30:03	40	40	100
45	Abhishek Chavhan GSGC Umarmhed	0:27:49	38	38	100
46	Ashish dayaram Bramham	0:26:30	38	38	100

[SSR/Criterion-II/ Teaching, Learning & Evaluation/ QIM-2.3.1]

47	Ashutosh Sakarge GSGC Umarched	0:29:58	38	38	100
48	Avanti bichewar gsgc umarched	0:30:29	38	38	100

49	Harshada Govindrao Tekade SSC Amravati	0:28:46	38	38	100
50	Ku. Radha Tulshiram Pardhi	0:24:14	38	38	100
51	Pratiksha Ramesh Rao Wade G.V.I.S.H, Amravati	0:28:25	38	38	100
52	Rutuja shinde GSGC Umarched	0:30:03	38	38	100
53	Shivani Ishwar Hande	0:26:13	38	38	100
54	Vaibhav dipak gawai	0:24:17	38	38	100
55	Akanksha patil vidhyabharti amravati	0:27:23	38	38	100
56	Komal Chandak Vidyabharti Amravati	0:28:00	38	38	100
57	Pranil Thakare Vidyabharti Amravati	0:28:37	38	38	100
58	Sakshi Charjan vidyabharti Amravati	0:26:36	38	38	100
59	Ayan shah Nasir shah	0:28:53	36	36	100
60	Prashik samadhan jawanjal	0:25:11	36	36	100
61	Pratik Ramesh Nanwatkar	0:28:44	36	36	100
62	Sanket Chaurpagar JDPSM DARYAPUR	0:23:05	36	36	100
63	Shyam Wankhade YCM MANGRULPIR	0:28:19	36	36	100
64	Sumera khanum Ayyub khan	0:17:09	36	36	100
65	Achal Patil-G.V.I.S.H. Amravati	0:29:04	36	36	100
66	Ganesh Ravindra Dhupe GVISH Amravati	0:26:35	36	36	100
67	Kajal chandre GSGC umarched	0:31:27	36	36	100
68	Ku. Nivantee Nanasheeb Raut	0:27:16	36	36	100
69	Sanjana Mukundrao Dondadkar SSC Amravati	0:30:03	36	36	100
70	TEJAS HEMANTRAO PATIL	0:22:52	36	36	100
71	Aatequa Sameen Vidyabharti Amravati	0:27:53	36	36	100
72	Aishwarya Ubhad Vidyabharti Amravati	0:28:09	36	36	100
73	Chaitali milind khune	0:29:01	36	36	100
74	Dnyaneshwari sanjay bopulkar	0:24:36	36	36	100
75	Purva warudkar Vidhyabharti amravati	0:28:03	36	36	100
76	Sheetal Sardar	0:21:59	36	36	100
77	Swapnil wankhade	0:30:03	36	36	100
78	Vaishnavi Jichkar Vidyabharti Amravati	0:29:00	36	36	100
79	Vaishnavi warhade RLT college Akola	0:29:42	36	36	100
80	Zainab Fatema Vidyabharti Amt	0:28:43	36	36	100
81	Aakanksha Babanrao Gawande JDPSM DARYAPUR	0:30:02	34	34	100
82	Ankita Dixit	0:24:01	34	34	100
83	Gautam Patil YCM mpir	0:30:03	34	34	100
84	Gopal Rathod YCM MANGRULPIR	0:30:04	34	34	100
85	H R kanake	0:01:27	34	34	100
86	Ku.sakshi balu thakare	0:30:04	34	34	100
87	Pooja Kailash kumawat	0:30:03	34	34	100
88	Pragati gunwant ingale	0:28:56	34	34	100
89	Punam vishnu pawar	0:24:13	34	34	100
90	Rutuja Rahate JDPSM DARYAPUR	0:28:06	34	34	100
91	Shilpa Doke YCM managrupir	0:23:23	34	34	100
92	Shubham mahulkar JDPSM DARYAPUR	0:28:41	34	34	100
93	Amrapali gajanan gudade	0:01:29	34	34	100
94	Ankit Arun Rathod	0:20:45	34	34	100
95	Arati Gajanan Thakare	0:28:40	34	34	100

[SSR/Criterion-II/ Teaching, Learning & Evaluation/ QIM-2.3.1]

96	Devyani Gadeka GSGC Umarched	0:30:09	34	34	100
97	Gayatri Jagadish Arbat GVISH Amravati	0:25:56	34	34	100
98	Ku Shubhangi Arun patil	0:09:25	34	34	100

99	Mrunal mahalle g.v.i.s.h.amt	0:27:42	34	34	100
100	Nikhita Babusing jadhao	0:27:31	34	34	100
101	Pooja barve gsgc umarched	0:30:04	34	34	100
102	Rohan Anil Meshram	0:26:37	34	34	100
103	Shital Ramesh gangasagar	0:26:24	34	34	100
104	Vaishnavi chavhan SSS Amravati	0:28:12	34	34	100
105	Vaishnavi Vijay Deshmukh	0:26:58	34	34	100
106	Afsana parveen vidyabharti amravati	0:28:17	34	34	100
107	Akash vijay wadankar	0:27:34	34	34	100
108	Ankita Sanjay sagane	0:26:57	34	34	100
109	Ankita Suresh Pote	0:28:43	34	34	100
110	Disha Pramod Chaudhari	0:30:04	34	34	100
111	harsha sachwani rlt akola	0:28:53	34	34	100
112	Harshika Watane Vidyabharati Amravati	0:27:59	34	34	100
113	Mrunal Vijay kalmegh	0:20:06	34	34	100
114	Renuka Kutafale	0:24:32	34	34	100
115	Sakshi Arvind Kulat	0:24:50	34	34	100
116	Achal sudhir ganorkar	0:28:34	32	32	100
117	ADARSH CHUMBLE YCM MANGRULPIR	0:13:13	32	32	100
118	Atuba therim ashfaque khan	0:16:58	32	32	100
119	Gaurav Raut Y.C M.pir	0:30:03	32	32	100
120	Harshal Ramkrushna kanake	0:01:46	32	32	100
121	Kirti nandurao Savlikar	0:30:05	32	32	100
122	Maseeratul Iram YCM MANGRULPIR	0:29:11	32	32	100
123	Mohammad Hatif Sheikh Hatam	0:28:57	32	32	100
124	Priyanka vijay Baraiyya	0:29:06	32	32	100
125	Rushikesh Barabar JDPSM DARYAPUR	0:28:34	32	32	100
126	Shubham Khedkar JDPSM DARYAPUR	0:21:53	32	32	100
127	Shweta dilip shelokar	0:28:15	32	32	100
128	Tanvi Thakare YCM mangrulpir	0:22:07	32	32	100
129	Ashish Datta Gavhane	0:25:53	32	32	100
130	Ganesh Gopala Magar Gvish Amravati	0:26:10	32	32	100
131	Kavita mohanrao kale	0:27:28	32	32	100
132	KY jayshree Santosh bhoyar	0:13:09	32	32	100
133	Mayur Dane	0:03:21	32	32	100
134	Papiha Pravinrao Deshmukh	0:26:54	32	32	100
135	Pratiksha Vijay Palasoagar ssc amravati	0:16:38	32	32	100
136	Ram Kumbhar GSGC Umarched	0:22:54	32	32	100
137	Saurabh Jayantrao Datir(GVISH Amravati)	0:29:40	32	32	100
138	Aparna Tha	0:26:40	32	32	100
139	Aparna Thakur Vidyabharti Amravati	0:05:50	32	32	100
140	Bhavika Bhaskar Sawarkar	0:21:34	32	32	100
141	Mrinal bharad	0:27:37	32	32	100
142	Neha Devendra Khalokar	0:22:45	32	32	100
143	Pallavi Sanjay Ghonge	0:30:03	32	32	100
144	Pratiksha govinda ambhore	0:24:49	32	32	100

[SSR/Criterion-II/ Teaching, Learning & Evaluation/ QIM-2.3.1]

145	Rani b.khurania p4	0:23:59	32	32	100
146	Saurabh S. Dhore	0:28:38	32	32	100
147	Shraddha Narayanrao Atalkar.	0:21:51	32	32	100
148	Anjali Vijayrao Nagpure	0:28:21	30	30	100

149	Divya gajanan ghogare	0:25:40	30	30	100
150	Divya Rameshsingh Bais	0:28:22	30	30	100
151	Gaurav Manohar Bhasme	0:30:02	30	30	100
152	Hrishikesh Sanjay Raikwar	0:27:17	30	30	100
153	Ku Diksha Shrungare YCM	0:28:27	30	30	100
154	Mayuri Hapse YCM Mangrulpir	0:30:33	30	30	100
155	Praful soyam	0:20:25	30	30	100
156	Pratiksha Dipak Ghanghorkar	0:20:37	30	30	100
157	Roshan Bawner JDPSM Daryapur	0:27:15	30	30	100
158	Sakshi Dike JDPSM DARYAPUR	0:28:17	30	30	100
159	Shivani madhusudan nathe	0:29:17	30	30	100
160	Srushti devidas padole	0:16:27	30	30	100
161	Bhargavi Narsekar	0:30:03	30	30	100
162	Dinesh Khapre GSGC Umardhed	0:22:32	30	30	100
163	Pavan tayade	0:23:44	30	30	100
164	Pratik Pophale	0:26:15	30	30	100
165	Shital vijay chipade	0:25:21	30	30	100
166	Siddharth Ananta Thombre	0:04:03	30	30	100
167	Vaishnavi haridas Arbat. GVISH Amravati	0:28:13	30	30	100
168	Vyanktesh Diliprao Dhole	0:13:20	30	30	100
169	Wakib shaha	0:06:42	30	30	100
170	Bushra Tabassum khan Vidyabharati Amravati	0:25:21	30	30	100
171	Mateen syed	0:30:02	30	30	100
172	Mayur Vitthalrao Hiwase	0:27:12	30	30	100
173	Payal Nandkishor Adhau	0:23:38	30	30	100
174	Pratiksha pohare	0:28:31	30	30	100
175	Pratmesh Ramadas Sapkal	0:23:02	30	30	100
176	Rajeshwari Meghashyam Kalantri RLT Akola	0:29:49	30	30	100
177	Sakshi deshमुख RLT Akola	0:28:15	30	30	100
178	Swati Ravindra	0:18:47	30	30	100
179	Tanmay Khandar Vidyabharti Amravati	0:30:03	30	30	100
180	Aishwarya Tulshiram Kulmetha	0:21:48	28	28	100
181	Anuradha Gujare YCM Mangrulpir.	0:30:03	28	28	100
182	Dhanashree dinesh panchbhai	0:15:40	28	28	100
183	Harshal R kanake	0:11:52	28	28	100
184	Jaweriya Khanum MD.Riyaz	0:17:18	28	28	100
185	Komal Patil .Y.C.Mangrulpir	0:29:28	28	28	100
186	Mohammad juned sk luqman	0:28:42	28	28	100
187	Pooja Kamble YCM	0:27:45	28	28	100
188	Satish Chavhan YCM MAGRULPIR	0:28:55	28	28	100
189	SHAIKH FARDIN	0:29:30	28	28	100
190	Shilpa shingane JDPSM DARYAPUR	0:24:33	28	28	100
191	Sk. Sameer Sk. Anwar	0:29:03	28	28	100
192	Tejas Nawale JDPSM DARYAPUR	0:13:05	28	28	100
193	Ujwal Hambarde JDPSM DARYAPUR	0:14:37	28	28	100

[SSR/Criterion-II/ Teaching, Learning & Evaluation/ QIM-2.3.1]

194	Mahesh Santosh Dane	0:02:26	28	28	100
195	Mohini Pravinrao Rithe	0:28:34	28	28	100
196	Pooja Pradiprao Thakare	0:27:25	28	28	100
197	Rahul Chirange GSGC Umarched	0:23:22	28	28	100
198	Sainath korpe GSGC Umarched	0:30:02	28	28	100

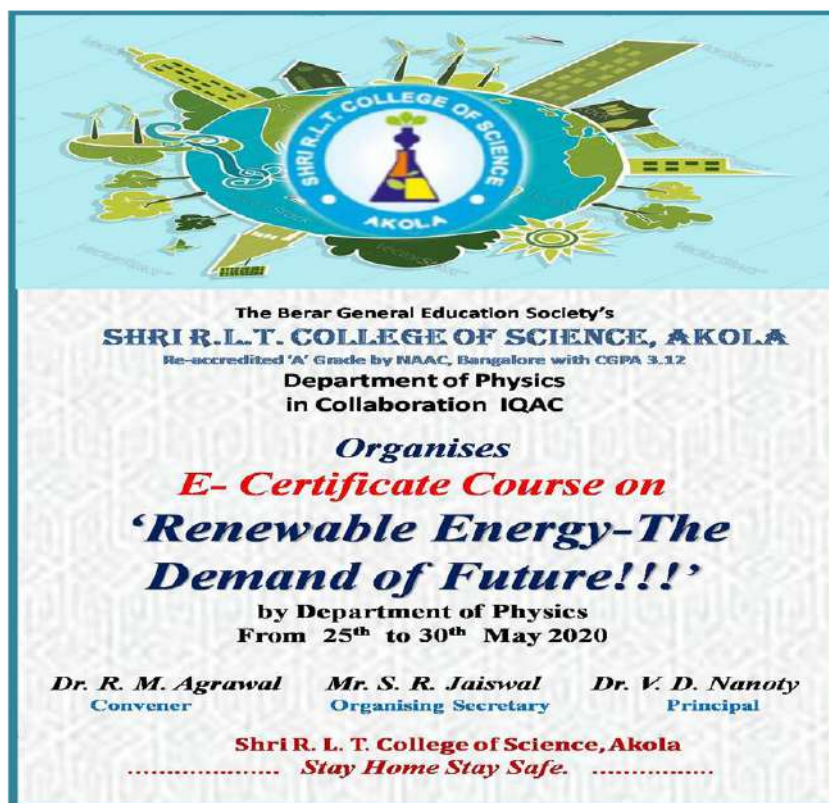
199	Sanghrakshak shrikrushna tayade	0:07:30	28	28	100
200	Shubham Sonure GSGC Umarched	0:27:45	28	28	100
201	Komal Dilip Kale	0:30:04	28	28	100
202	Ku sneha baliram ambuskar	0:27:15	28	28	100
203	Nikita Lole	0:28:21	28	28	100
204	Samiksha Sanjay Paraskar	0:27:10	28	28	100
205	Vivek pradhan	0:30:13	28	28	100
206	Ankita Shyam Nandwanshi	0:30:03	26	26	100
207	Gautmi Bhimte	0:27:55	26	26	100
208	Harshal kanake	0:02:42	26	26	100
209	Nileema s gawande	0:26:24	26	26	100
210	Roshan Charkhod Y.C.M.pir	0:28:53	26	26	100
211	Sudhir	0:04:21	26	26	100
212	Sudhir prabhakar ghodmare	0:24:11	26	26	100
213	Tejaswi Vinodrao Ingole	0:24:40	26	26	100
214	Bhagyashri Anilrav Mohakar	0:27:51	26	26	100
215	Harshada Nandkishor Gawali SSS Amravati	0:20:15	26	26	100
216	Ku.Ankita Mahadeo Tayade	0:27:56	26	26	100
217	Mahesh Dane	0:19:00	26	26	100
218	Mohd Rizwan	0:01:57	26	26	100
219	Navshin	0:00:16	26	26	100
220	Pavan tayde	0:23:37	26	26	100
221	Pragati sahadev khriste	0:01:05	26	26	100
222	Rahul ChirangeGSGC Umarched	0:06:58	26	26	100
223	Saurabh Sudhakarrao zopate	0:02:01	26	26	100
224	Sudarshan divakarrao dharane	0:06:52	26	26	100
225	gayatri dhote	0:30:03	26	26	100
226	Nikita mahulkar vidhyabharti	0:28:07	26	26	100
227	Nishant Surendra Kane	0:27:18	26	26	100
228	Rohini Mesare	0:22:53	26	26	100
229	Sakshi Rajendra dhokne	0:24:37	26	26	100
230	Vaibhav Athawale Vidyabharati Amravati	0:28:19	26	26	100
231	Vaishnavi Bhimrao mankar	0:27:12	26	26	100
232	Bhushan Shrikrushna Belsare	0:30:02	24	24	100
233	Radha Gawande JDPSM DARYAPUR	0:29:03	24	24	100
234	Radhika Mantri	0:28:55	24	24	100
235	Reshma Bhagat YCM MANGRULPIR	0:30:02	24	24	100
236	Saurabh Mahendrasingh mungona	0:22:09	24	24	100
237	Vaishnavi Diwakarrao Kharbade	0:30:10	24	24	100
238	Anuja Vijay chavhan	0:25:07	24	24	100
239	Kiran Madhukarrao Dahake SSC Amravati	0:28:59	24	24	100
240	Prashant Polkat GSGC	0:30:05	24	24	100
241	Radhika Subhashrao Dudhe	0:01:19	24	24	100
242	Samiksha Bundhade G.V.ISH amravati	0:23:42	24	24	100

[SSR/Criterion-II/ Teaching, Learning & Evaluation/ QIM-2.3.1]

243	Vaibhav S.Dhawane	0:07:29	24	24	100
244	Ku.Pallavi Anil Kankale	0:25:52	24	24	100
245	Ku.simran sunil sabhagchandani	0:27:50	24	24	100
246	Pallavi ingole RLT akola	0:29:46	24	24	100
247	PRANAV GAJANAN KADU	0:29:21	24	24	100
248	Sapna Dandale	0:28:47	24	24	100

249	Vaishnavi Suresh More	0:21:22	24	24	100
250	Arushesh Shingane JDPSM DARYAPUR	0:05:01	22	22	100
251	Chetan manohar Raut	0:30:03	22	22	100
252	Mayuri Raju Mukurne	0:24:04	22	22	100
253	Rutuja Vilas Gawande JDPSM DARYAPUR	0:30:02	22	22	100
254	Uma Daware	0:28:36	22	22	100
255	Nisha Purushottam Kewate	0:20:08	22	22	100
256	priyanka shivdas lale	0:25:12	22	22	100
257	Bhagyashri N Rathi	0:19:40	22	22	100
258	Nikita Narde	0:28:54	22	22	100
259	Priyanka Bhonde	0:19:58	22	22	100
260	Rohini Ashok Wande	0:23:11	22	22	100
261	Vaishnavi Rajendra kale	0:25:32	22	22	100
262	Arpita Gole JDPSM DRYAPUR	0:24:40	20	20	100
263	Bharti Thakare YC MANGRULPIR	0:28:58	20	20	100
264	Divya santosh jadhav	0:25:44	20	20	100
265	Praful M soyam	0:04:02	20	20	100
266	Saurabh mungona JDPS DARAYAPUR	0:01:58	20	20	100
267	Monika sudarshan Bagde	0:22:22	20	20	100
268	Pratiksha Vinayak jawanjal GVISH Amravati	0:30:03	20	20	100
269	Atiya sameen vidyabharti Amravati	0:30:06	20	20	100
270	Darshana Wadal	0:28:13	20	20	100
271	Devanshu Daware Vidyabharti Amravati	0:29:46	20	20	100
272	Mayuri khandare vidyabharati amravati	0:27:11	20	20	100
273	Sachin waghmare gsgc umarkhed	0:30:02	18	18	100
274	Pratiksha Padmakar Kale	0:24:03	18	18	100
275	Pooja Pundit YCM MANGRULPIR	0:30:02	16	16	100
276	Supriya Arun patil	0:12:10	16	16	100
277	balraj khurania RLt	0:30:07	0	0	100

C) e-Certificate Course on ‘Renewable Energy – The Demand of Future!!!



Department of Physics, Shri R. L. T. College of Science, Akola organized a one-week E-Certificate Course on “Renewable Energy-The demand of Future” held on the date of 25th to 30th May 2020. The course was fully online mode. The online video lectures regarding the course were created by a faculty member of the institute and some of the video lectures were pick-up directly from YouTube.

A total of nearly 800 participants from the different institutes in the state as well as in the country have been registered for the course. Dr. R. M. Agrawal was a convener of the program and Shri S. R. Jaiswal worked as an organizing Secretary under the able guideline of Principal, Dr. V. D. Nanoty. The day-wise schedule and links to the lectures are given below.

Shri S. R. Jaiswal
Coordinator
Shri R. L. T. College o Science, Akola

1. Fill up [Online Registration Form](#) to Enrol to this course and also check Course Schedule.
2. [Download Day-wise Activity Schedule](#)
3. [Brochure](#)
4. [Inaugural Speeches by Organisers](#)

Day-1

Video Lecture: [Click here to watch video lecture](#)

PDF-1: [Introduction to Renewable Energy](#)

PDF-2: [Practice Quiz Explanation](#)

PDF-3: [Bio-gas Hand Book](#)

DAY-2

Biomass and Geothermal Power

[Video Tutorials link](#)

PDF-1: [Biomass Energy](#)

PDF-2: [Geothermal Power](#)

PDF-3: [Practice Quiz Explanation](#)

DAY-3

Solar Energy & Hydroelectricity

[Video Tutorials Link](#)

Reading Materials:

PDF-1: [Solar Power](#)

PDF-2: [Hydro Power](#)

PDF-3: [Quiz Explanation](#)

DAY-4

Electric Vehicle, Hydrogen as a fuel & Ocean Energy

[Video Tutorials Link](#)

Reading materials Links

PDF-1: [Electric Vehicle-1](#)

PDF-2: [Electric Vehicle-2](#)

PDF-3: [Hydrogen Energy](#)

PDF-4: [Ocean Energy](#)

PDF-5: [Practice Quiz Explanation](#)

Day-5

Wind Power and Conservation of energy

[Video Tutorials Link](#)

Reading Materials Links:

PDF-1: [Wind Power](#)

PDF-2: [Energy Conservation](#)

PDF-3: [Waste to Energy](#)

PDF-4: [Business Opportunities in waste to energy sector](#)

PDF-5: [Practice Quiz Explanation](#)

DAY-6

India's Renewable Energy Journey & Grading Quiz.

Session-1: India's Renewable Energy Journey (Time: 11 am to 12 noon)

[Video Tutorial Link](#)

Reading Materials Links:

PDF1: [Renewable Energy and Green Growth of India](#)

PDF-2: [Future Skill](#)

PDF-3: [Facts Sheets](#)

[Final Grading Quiz Link](#)

List of Registered Participant

<https://www.rltsc.edu.in/wp-content/uploads/2022/10/1List-of-Particepents-in-Renewable-Course-May-2020.pdf>

Feedback from Participants:

<p style="text-align: center;">Shri R. L. T. College of Science, Akola Deaprtment of Physics e-Certificate course on Renewable Energy-Demand of future Feedback from Participants 30-05-2020</p>									
Sr. No.	Full Name (For Certificate)	Short Name of your Institute (For Certificate)	The content of the course	The level of the course	The length of the course	Communication by organisers	Understanding about the course	Remark About the Course	General Remark
1	Aadesh Kothari	SGBAU Amravati	5	2	4	2	3	This very good course for new entrepreneur	Thanks to RLT College akola for providing a such good platform for study and utilizing a time very well.
2	Aakanksha Anilkumar Sahu	Shri R.L.T. College of Science, Akola, Maharashtra.	4	4	5	4	5	Nice course	
3	Abhijeet Shaligram Maheshkar	SGBAU, AMRAVATI	4	4	4	4	4	The course is arranged excellent	Tq for arranging course
4	ABHISHEK ROY	R. I. E. (NCERT), Bhubaneswar	5	3	3	5	5	It was a nicely organised course with useful information	Thanks to all the organisers for this course. Hope to attend more such courses.
5	ABHISHEK VISHWANATH PANCHAL	KJ Somaiya College of Science and Commerce(KJSSC)	4	4	3	4	5	The Course was good and gait something interesting to learn and enhance knowledge...	Overall the course and the pattern of the course was good thanks.
6	Adeeba Imtiyaz	AMU	4	4	4	4	4	Nice	I think the Indian teacher's videos need to be modified . The overall voice quality and speed of the video .
7	Aditya Suresh Gawande	Shri. R.L.T.College of Science,Akola	3	3	3	3	3	Good	Good
8	Aishwarya Sunil Sonone	RLT college of science Akola	5	5	5	5	5	Excellent	Excellent
9	AISWARYA LAKSHMI K	Sri Akilandeshwari Women's College,Wandiwash.	5	5	5	5	5	I really enjoyed.	Thank you
10	Ajinkya Sukhadev Kumbhar	SCASC	5	5	5	5	5	Good	
11	AKSHAY PAWAN JENEKAR	ACS college, Maregaon	4	4	4	5	4	Very informative	
12	Akula Anumala	Ch.S.D.St.Theresa's College for Women (A), Eluru	5	5	5	5	5	No remark	
13	Alankar Kumarmangalam Kamble	Rajaram College, kolhapur	4	4	4	4	4	Good	Good
14	AMAR PAL SINGH	V.hs.planetarium Gkp	5	5	5	5	5	It was very informative to one and all	Great
15	Amey Joshi	RLT Collage Of Science Akola	5	5	5	5	5	Very innovative and useful course	Course gave us valuable piece of advice about conservation of environment
16	Amit A. Jagiya	Manoharbai Patel College Sakoli	5	5	4	5	4	Course and course content was superb. All the practical utilities of different energies were explained with the help of beautiful presentations and animated videos. Big Thank you to the organizer team for smooth conduct.	
17	Amol Jagannath Shende	Yashwantrao Arts College Mahagaon	5	5	4	5	5	Good organizations	It is very usefully course..
18	Amol Shankar Lihitkar	Indira Gandhi Kala Mahavidyalaya, Ralegaon	4	4	2	4	4	Good work	
19	Aniket Brajeshkumar Sadani	MIT-WPU	4	3	4	4	4	It was a good course gor the students.	None
20	Anjali Mailapalli	Bvcoew	5	5	5	5	5	Tysm	Ur perfect
21	Anjali Ram Mawale	G.S.College ,Khamgaon	5	5	5	4	5	It's a very exaclent	Good
22	Ankita Gajanan Kothalkar	B.S.Patel Art, Commerce & Science College Pimpalgaon Kale	5	5	4	5	5	The all contents of this course is very knowledgeable especially the pdf and quiz	Thank you sir and whole committee members who are worked in this e-course. This course was very knowledgeable.
23	Ankita Vasant Bhad	Shri R.L.T college of science,Akola	3	3	2	4	4	Good	Good work

[SSR/Criterion-II/ Teaching, Learning & Evaluation/ QIM-2.3.1]

24	Anuj Singh	AMU, Aligarh	3	3	3	4	3	It's well	
25	Aparna Rao	SIES College of Arts, Science & Commerce.	4	4	3	4	4	All the mcqs weren't covered well by the materials given. Over-all good knowledge was received.	
26	Apoorva Harshadkumar Damodar	Shri R. L. T. College	4	5	5	5	5	It was very informative and helpful. Easy to understand.	
27	Arpita Anil Jadhao	Shri.RLT college of science Akola	4	4	4	5	5	Useful	Nice
28	ARPITHA JAYARAMAN	GFSU	3	3	3	2	4	The study materials that were provided didn't cover every thing... Due to which many of us faced problems in solving the mcqs.	Please provide a bit more informational resources.
29	Arvind Dnyanoba Kanwate	Shri Vyankatesh College Deulgaon Raja	5	5	4	4	5	Good	
30	Ashim Kumar Sabat	Steel Authority of India Limited	5	5	5	5	5	Excellent course organised excellently.	May plan for higher level next time.
31	Atharv Chetan Vibhute .	RCK .	5	5	5	5	4	For understanding , Hindi language (Video) is more essential.	My knowledge is updated .
32	Atharva Devendra Joshi	SIPNA COET	5	5	4	5	5	Best, should come up with more courses like these.	Best
33	BHAGYASHREE SUBHASH TAWLARE	SSGMCE	3	4	4	4	5	Very good	Nice
34	BHAKTI KRISHNA THORVE	KJ.SOMAYA COLLEGE OF SCIENCE AND COMMERCE, MUMBAI	4	5	5	5	5	It was really good.	Amazing
35	Bharat Babaurao Madavi	Arvindbabau Deshmukh college	5	5	4	5	5	Very valuable information provided by institution	Happy to get knowledge about renewable energy
36	BHASKAR VINAYAK TUPTTE	S.G.M. College Kurkheda	5	5	5	5	5	Excellent and Very Informative Course	Very informative Course
37	Bhavesh Suresh Agrawal	VBMV,Amravati	5	5	5	5	5	A very good course	
38	BHUPENDRA TIKARAM KUMBHARE	Shri R. R. Lahoti Science College Morshi	5	5	5	5	5	Best	Very Informative
39	Burra Venkata Sai Lakshmi	Ch.S.D.St.Theresa's College for Women (A), Eluru	5	5	5	5	5	No	

40	Chandrakant Uttam Dhanwad	MSP ART,SCIENCE AND KPT COMMERCE COLLEGE, MANORA	5	5	4	4	5	Thanking good program organized	Best
41	Chetan Vilas Kale	SHRI R.L.T COLLEGE OF SCIENCE AKOLA	4	4	4	3	3	Good	Good
42	CHOB SINGH	M.J.P. Rohilkhand University Bareilly (U.P)	5	5	5	5	5	Very informative	Amazing session
43	Damini Ganesh Wankhade	RLT college of science Akola	5	5	5	5	5	Good course	Good course
44	DAR FAHEEM UL HAQ	Aligarh Muslim University	4	4	5	4	4	Very helpful for better understanding	
45	Darshana Vijay Tapre	RLT college of science akola	5	5	5	5	5	Excellent	Excellent
46	Deepti Bhargava	Ch.S.D.St.Theresa's College for Women, Eluru	5	5	3	5	5	Very useful Information Nice Course	May God Bless you
47	Digvijay S.Kumbhar	D. P. Mahavidyalaya, Karjat . Dist.Ahmednagar.	5	4	4	5	5	All the sessions conducted from 25 - 30 May were very excellent and easy to understand. Now to focus on Renewable Energy is the need of time. Such courses are very useful to create the awareness and understand the importance of renewable energy sources for future	Thanks for the entire team of Organizers, especially Shailesh Jaiswal Sir for time to time intimatiins without fail. Due to such nice organization, I attended all the sessions in time. Expecting same knowledge delivery in the future. Thanks once again.
48	Dipak Ashok Zope	Vidnyan Mahavidyalaya Malkapur	5	5	5	5	5	No	No
49	DIVESH GAJANAN MATE	Shri R.L.T. COLLEGE OF SCIENCE AKOLA	5	5	5	5	5	GOOD THINK THAT BUSY STUDENT DURING QURATINE DAY	No PRACTICAL KNOWLEDGE ARE GIVEN
50	Divya Mahesh Bulbule	G.V.I.S.H., Amravati	5	5	5	5	5	It was an awesome session	
51	Dr DILIP VINAYAKRAO HANDE	Shri Shivaji Science College Amravati	3	2	3	2	2	Should more updated	Live sessions required
52	Dr GAYATRI DILIP HANDE	Shri Shivaji Science College Amravati	2	2	3	2	2	Not effective	Online sessions required more
53	Dr Jaishree Vivek Bhale	Shri Shivaji college , Akola	5	5	5	5	5	Very nicely organised course content... Thanks..	Keep on doing such type of short courses course...

Department of Zoology

(A) Mobile Photography: Exhibition Cum Competition



THE B.G.E. SOCIETY'S
SHRI R.L.T. COLLEGE OF SCIENCE, AKOLA
NAAC Re-Accredited by "A" Grade (CGPA-3,12)

On the Occasion of
Golden Jubilee Year Celebration
World Photography Day

Cordially Invites you to,

MOBILE PHOTOGRAPHY
COMPETITION & EXHIBITION:2019
NATURE PHOTOGRAPHY

Inauguration at the Hands of
Dr. V. D. Nanoty
Principal, Shri R.L.T. College of Science, Akola

Chief Guest
Neeraj Bhange
Joint Secretary, Akola Photographer Association

Kushal Senad
Experimental Photographer, Akola

Organized by
Department of Zoology &
Internal Quality Assurance Cell (IQAC)

F.W.F.C. LAB | AUGUST 31, 2019 | SATURDAY | 12.30 PM

Organizing Secretary
Dr. Sushil M. Nagrale

Organizing Committee
Dr. A. S. Sawarkar Dr. S. R. Kohchale Dr. R. L. Rahatgaonkar Dr. R. Joshi-Sawalkar
ZEBRA cell & Mobile Photography Core Committee

Report: ZEBRA cell of Zoology Department organized **Mobile Photography Competition & Exhibition on Nature Photography** on 31th August 2019 at Zoology Lab. Total 90 students were Exhibited their Mobile photographs collection related to the theme. Three photographs were selected awarded by 1st, 2nd and 3rd prizes.

Photography Seminar was also organized for the students and participants. Photographer Mr. Neeraj Bhange and Mr. Kushal Senad delivered seminar on **Mobile Photography and Camera Photography** and motivate students for positive and innovative use of Photography. All faculties were attended the program and all students were take efforts for the success of programm.



(B) Documentary movie show on “Save the Tiger”

On 1st October inauguration of wild life conservation week was conducted. On this occasion Asst Prof. and Head Dr.S.M.Nagrle guided the students about the wild life conservation. Documentary movie show on “**Save the Tiger**” was arranged for the students B.Sc. students in the College Digital Room. All students enjoyed the Documentary. After the show Dr. S.M.Nagrle , Dr. A.S.Sawarkar and Dr. Rashmi Joshi interacted to the students and guided them about the wild life and their need of conservation for our better future. For the success of Program all the faculties of the department had take their hard efforts.



(C) Zoology Online Aptitude Test:(15th -16th April 2020)

To improve the objective and aptitude knowledge of Zoology subject, Department under the guidance and supervision of HOD, Dr. S.M.Nagrle conducted Zoology Online Aptitude Test for B.Sc.III students on 15th and 16th April 2020 . All staff were providing their support for the success of the events. Three students on the basis of higher scoring selected and ranked as 1st, 2nd and 3rd respectively and awarded by certificates.

(D) One Week e-certificate Course in Apiculture

Department of Zoology of Shri R.L.T. College of Science, Akola with IQAC organized Virtually 6 Days E-Certificate Course in Apiculture. The course was inaugurated on 27/6/21 at 12 noon. Dr. S.M. Nagrle convener of the course, Dr. Rashmi Joshi organizing secretary, Dr. A.S. Sawarkar, Dr. Sudhir Kohchale Members of organizing committee from Department of Zoology while Respected Principal Dr. V. D. Nanoty Presided the Inaugural Function in presence of IQAC Coordinator Dr. R. L. Rahatgaonkar.






All the resource persons Dr. Amrita Shirbhate, Asst Prof & Head Dept of Zoology, Mahatma Phule Science College, Patur, Dr Seema Keswani, Asst Prof & Head Dept of Zoology, MSP Arts & Science College, Manora, Dr Abhimanyu Maheshwari, Asst Prof, Dept of Botany, Bajaj College, Wardha and Miss Prajakta Bathe, Asst Prof, Dept of Zoology, B.S. Patel College, Pimplegaon Kale, Jalgaon Jamod were invited in the inaugural function. The everyday course schedule was a recorded lecture of resource person, Video tutorials, MCQ Test and the Study material link to download. Daily about average 157 participants attended the course, out of which 152 appeared for Final Quiz and about 128 passed and received their certificates.

[Download Apiculture Report](#)

[Invitation for E- Certificate Course in Apiculture](#)


Dr. Sushil M. Nagrate
Head,
Dept. of Zoology,
Shri R.L.T. College of Science
AKOLA

Activities under NSS

(A) Online “Covid-19 Quiz” & Awareness Campaign by NSS Team

Today on date 19/04/2020 the NSS team of Shri R.L. T. College of Science, Akola under the guidance of NSS department of SGBAU Amravati University, Amravati, conducted an online “Corona Awareness Quiz” in Marathi language to make awareness easy in the villagers of NSS adopted gram Apoti (Kd.). During this pandemic throughout the world the Covid-19 Novel Virus is causing havoc. In the period of lockdown and work from home this small effort was made by the NSS team of the college.

The quiz consists of about 15 questions and video clip for the participants as the study material. The quiz consists of questions which help the coordinators easy in this lockdown period to work from home safely. It was conducted for all students, teachers, other people also. Within one hour we get the excellent response and for the day the 100 certificates of appreciation were downloaded.

These efforts were made possible by the hard work of the coordinators of this activity and NSS programme officer Dr. Rashmi Joshi Sawalkar and Co- programme officer Mr. Shailesh Jaiswal under the able guidance and support of the visionary principal of the college respected Dr. V. D. Nanoty. Sarpanch and Upsarpanch, Dr. Shri Umesh Bopate and people of Apoti khurd supported to make the activity successful.

The Women Representative of the village Mrs Sangita Kutemate who helped us through the ladies of Self-Help Groups (Bachat Gut) of the village. About 50 NSS volunteers of the college doing awareness through social media by making different posters.

Some volunteers were made cloth masks at home and those masks were distributed to the poor and needy people by keeping social distancing. All the volunteers downloaded the Arogya-Setu App as precautionary measures given by the Government of India. Some food Packets Distribution in collaboration with some NGO's were done to the poor people by the authorities of the NSS team.

To make all these events successful the NSS Programme Officers Dr. Rashmi Joshi Sawalkar and Dr. Samadhan Munde along-with the Volunteers worked hard. Thank you all for kind support and help.

दि बेरार जनरल ईज्युकेशन सोसायटी

द्वारा संचालित

श्री राधाकिसन लक्ष्मिनारायण तोष्णीवाल विज्ञान महाविद्यालय, अकोला

राष्ट्रीय सेवा योजना

कोरोन विषाणूवर प्रश्नमंजुषा

- १) कोविड-१९ चा अर्थ काय आहे?
 १. कोरोना डिसीस-१९
 २. कोरोनाव्हायरस-१९
 ३. कोरोनाव्हायरसडिसीस-१९
 ४. यापैकी नाही
- २) कोरोनाचा प्रादुर्भाव सर्वात पहिले कोणत्या देशात झाला?
 १. भारत
 २. अमेरिका
 ३. चायना
 ४. इटली
- ३) कोरोना च्या संशयित रुग्णामध्ये लागण झाल्या नंतर किती दिवसांनी लक्षणं आढळतात?
 १. २-३ दिवसांनी
 २. ३-४
 ३. ४-५
 ४. ५-६
- ४) कोरोना बाधित व्यक्तीमध्ये आढळणारे सर्वात पहिले लक्षणं कोणती?
 १. सर्दी-खोकला
 २. ताप
 ३. श्वास घ्यायला त्रास होणे
 ४. वरील सर्व
- ५) कोरोना पासून स्वतःची सुरक्षा तुम्ही कशी कराल?
 १. वारंवार स्वच्छ हात धुणे
 २. सामाजिक अंतर ठेवणे
 ३. मास्क चा वापर करणे
 ४. वरील सर्व
- ६) तुम्हाला जर असे लक्षात आले कि, अमुक व्यक्ती ४ दिवस अगोदर आपल्याला भेटला आणि आज तो कोरोना पोझिटीव निघाला तर तुम्ही काय कराल?
 १. स्वता: घरात विलगीकरण करणे

२. इतर लोकांना भेटणे
 ३. कोणाला ना सांगता दुसऱ्या गावी जाणे
 ४. डॉक्टर कडे जाणे
- ७) तुम्ही जर सुजाण नागरिक असाल तर तुम्ही.....
१. कॉरोनाची बाधा झाल्यावर, शिघ्र माहिती द्याल
 २. ह्या महामारीच्या काळात डॉक्टर्स, नर्सस, स्वच्छता कामगार, पोलीस ह्यांचाबद्दल कृतघ्नतेची भावना ठेवाल
 ३. आपले शेजारी किंवा गरजू लोकांना एक सुरक्षित अंतर ठेवून मदत कराल
 ४. आपल्या भोवतालचा परिसर स्वच्छ ठेवाल
 ५. वरील सर्व
- ८) कोरोनाची बाधा होण्याकरिता अधिक जोखीम असलेले गट कोणते?
१. महिला
 २. लहान मुलं
 ३. वयोवृद्ध व्यक्ति
 ४. वारीपैकी कोणीच नाही
- ९) कोरोना विषाणूपासून वाचण्यासाठी व रोगप्रतीकाल शक्ती वाढविण्यासाठी काय कराल?
१. विटामिन c युक्त आहार व फळांचे सेवन
 २. शीत पेय ह्यांचे सेवन
 ३. रोज व्यायाम व योग करणे
 ४. काहीच ना करणे
- १०) कोरोना बाधित व्यक्ती जवळ आल्याने तुमच्या फोन वर माहिती देतो असा "कोरोना ट्रकिंग एप" भारत सरकार नी सुरु केला आहे, त्याचे नाव काय आहे?
१. भारत सेतू
 २. आरोग्य सेतू एप
 ३. अन्द्रोइड एप
 ४. कोणतेच नाही



R. Joshi
डॉ. रश्मी सावलकर (जोशी)
कार्यक्रम अधिकारी (रा.से.यो.)
श्री.रा.ल.तो.विज्ञान महाविद्यालय, अकोला

(B) Online Quiz and Webinar for International Day of Yoga 21 June 2020

The pious attempt was made by the institute to create awareness about “Benefits of yoga in life” and How to develop immunity against this Novel Corona Virus?

An “Online Quiz for International Day of Yoga 21 June 2020” was conducted for all. Two YouTube Videos from “Ministry of Ayush” are uploaded in the Google form and on that 20 questions, each for 5 points were asked.

After Solving the Quiz and submitting it the Certificate get generated for Participation in it. On this IDY 2020 the NSS unit also organized a Webinar on” My Life- My Yoga” and the speaker for the day was “Mr. Saurabh Pravin Bhalerao” Administrator of “Spurti Yoga”.

He interacted with volunteers and aware them in very simplest way. How yoga is essential and beneficial in this Stressful life. He told that everyone should spend some time for yoga to make once mind peaceful.

Dr. V. D. Nanoty, Principal of the college in his introductory speech interacted with the students and informed them to Stay Home Stay Safe in this Pandemic.

About 47 volunteers were joined to the Guest lecture and interacted with the speaker in the discussion session. Many volunteers and Teachers celebrated the day as by doing YOGA @ HOME and YOGA WITH FAMILY.

Dr. Rashmi Joshi Sawalkar, NSS Programme Officer conducted both these events while Dr. Samadhan Munde, P.O. NSS and Mr. Shailesh Jaiswal, Co. P. O. NSS took efforts to make it successful.

All the activities were arranged under the able guidance of the visionary principal of the College Dr. V. D. Nanoty. At last Dr. Munde delivered vote of thanks.


डॉ. रश्मी सावलकर (जोशी)
कार्यक्रम अधिकारी (रा.सो.यो.)
श्री.रा.ल.तो.विज्ञान महाविद्यालय, अकोला



Activities Under IQAC

(A) Three Days National E-Workshop on Disaster Management Preparedness



**The Berar General Education Society's
Shri. R. L. T. College of Science, Akola**
(Re-accredited 'A' Grade by NAAC, Bangalore with CGPA-3.12)
Principal Brigade, Disaster Management Club

In Collaboration with
**Department of Life Long Learning and Extension,
Sant Gadge Baba Amravati University, Amravati and
District Disaster Management Unit, District Akola**

Organizing
**National Level E-Workshop on
Disaster Management Preparedness**
Know Disaster..... No Disaster.....
27 to 29 June 2020



Schedule		
Day/Date	Content/ Lesson	Resource Person
	Inauguration	At the hands of Dr. M. G. Chandekar Hon. Vice Chancellor. In Presence of Adv. M. G. Mohta, President, B.G.E. Society, Shri P. N. Maheshwari, Hon. Secretary, Dr. Shrikant Patil, Director, DILLE, SGBAU.
Day 1 Date : 27 /06/ 2020	Lecture 1: EMS/MFR	Dr. Sudhir Rushi Kohchale Coordinator, Principal Brigade Disaster Management Club, Shri. R. L. T. College of Science, Akola
	Lecture 2: Disaster Preparedness	Shri. Sandip Sable Disaster Management Officer District, Disaster Management Unit Collector office, Akola
	Lecture 3: Infectious Diseases and precautions	Dr. Prafulla Katkar (PhD, Italy PDF, Denmark) Department of Microbiology Gurunank College of Science, Ballarpur (M. S).
	Lecture 4: Snake Bite Management	Akshay Ghope, (PG Student) Savitribai Phule Pune University, Pune
Day 2 Date : 28 /06/ 2020	Lecture 5: First aid.	Dr. Sudhir Rushi Kohchale,
	Lecture 6: Casualty carrying	Shri. Sandip Waghalkar TOT expert, District Collector Office, Akola
	Lecture 7: Burns and Environmental Emergencies	Akshay Ghope, (PG Student) Savitribai Phule Pune University, Pune
	Lecture 8 : Mosquito Borne diseases in Disaster Situations	Dr. P. Madhiyaghanan Assistant Professor, Department of Zoology J.K.K. Nataraja College of Arts and Science Komarpalayam, Namakkal (Tamilnadu)
Day 3 Date : 29 /06/ 2020	Lecture 9: Covid 19 Pandemic - a Global Health and Wealth Crisis	Siddhesh Menon Faculty, Department of Microbiology St. Xavier College, Goa
	Lecture 10: CPR/FBAO	Dr. Sudhir Rushi Kohchale
	Lecture 11: Patients Assessment	Akshay Ghope, (PG Student) Savitribai Phule Pune University, Pune
	Discussion	Dr. Sudhir Kohchale , Shri. Akshay Ghope, Atul Raut, Akhilesh Puranik, Prasad Gulhane, Rutoja Gopnarayan
	Quiz (MCQ) and Feedback	Dr. Archana Sawarkar, Shri. Shailendra Madavi, Shri. Shankesh Zyate, Dr. Samadhan Munde
	Vote of Thanks.	Shri. Shankesh Zyate

Respected Sir/ Madam,

We are please to inform you that Principal Brigade, Shri. R. L. T. College of Science, Akola in collaboration with Department of Life Long Learning and Extension Sant Gadge Baba Amravati University, Amravati is going to organize Three Days National Level E- Workshop on Disaster Management Preparedness, under theme Know Disaster..... No Disaster..... with aims and objective to reduce potential losses from Hazards and to assure prompt and appropriate assistance to victims of Disaster, and achieve rapid and effective recovery, the Mitigation and preparedness.

Your Sincerely
Dr. V. D. Nanoty
Convener & Principal,
Shri R.L.T. College of Science, Akola

Our Patrons

Dr. M. G. Chandekar
Vice-Chancellor

Sant Gadge Baba Amravati University, Amravati.

Dr. Rajesh Jaipurkar
Pro-Vice Chancellor

Sant Gadge Baba Amravati University, Amravati.

Dr. Tushar R. Deshmukh,
Registrar

Sant Gadge Baba Amravati University, Amravati.

Adv. M. G. Mohta
President
(The B. G. E. Society, Akola)

Shri V. S. Toshniwal
Sr. Vice President
(The B. G. E. Society, Akola)

Dr. R. C. Jain,
Jr. Vice President
(The B. G. E. Society, Akola)

Shri P. N. Maheshwari
Hon. Secretary
(The B. G. E. Society, Akola)

Er. A. G. Paranjape
Jt. Secretary
(The B. G. E. Society, Akola)

Executive Members (The B. G. E. Society, Akola)

Adv. Pramod W. Agrawal

Ar. Atul R. Bang

Shri. Abhay P. Bijwe

Shri. D. B. Chandak

Shri. R. S. Chandak

Shri. K. K. Cheema

C.A. Vikram R. Golechha

Adv. A. R. Gupta

Dr. Ajay V. Kant

Dr. Kiran H. Laddha

Shri. Anit A. Sureka

Dr. Satish L. Ratii

Organizing Committee

Convener

Dr. Shrikant Patil
Director, Department of Life Long Learning and Extension, S. G. B. Amravati University, Amravati

Dr. V. D. Nanoty
Principal
Shri R. L. T. College of Science, Akola

Advisors

Dr. R. L. Rahatgaonkar
(Coordinator, IQAC)

Dr. Sanjay Tidke
(Akola District Coordinator, NSS)

Organizing Secretary

Dr. Sudhir R. Kohchale
Assistant Professor
Department of Zoology

Joint Organizing Secretary

Dr. Archana S. Sawarkar
Assistant Professor
Department of Zoology

Members

Mr. Shailendra V. Madavi
Assistant Professor
Department of Botany

Mr. Shankesh C. Zyate
Assistant Professor
Department of Chemistry

Dr. Samadhan L. Munde
Assistant Professor
Department of Mathematics

Important Notes:

1. All Teachers, Academicians, Industrials and Students can participate.
2. Registration Link: <https://forms.gle/LTavpQWpsTHm9qKk9>
3. Join Telegram Group for further updates- https://t.me/joinchat/NAL0IEcggXOdMOD_wvGMfw
4. E- Certificate will be provided to the participants scoring at least 50% marks.

For more information, contact us:

e-mail: dmc.rltsc@gmail.com

Contacts: Dr. Sudhir Kohchale: 9766158552, Mr. Shailendra Madavi: 9404519977,

Dr. Archana Sawarkar: 9850141186, Dr. Samadhan Munde: 9763248441,

Mr. Shankesh Zyate: 9923318886.

We are pleased to inform you that, Principal Brigade, Disaster Management Club Shri R.L.T. College of Science, Akola in collaboration with Department of Life Long Learning and Extension, Sant Gadge Baba Amravati University, Amravati and District Disaster Management Unit, District Akola organizing Three Days National E-Workshop on Disaster Management Preparedness on **Dated 27th to 29th June 2020.**

Dr. R. L. Rahatgaonkar

IQAC Coordinator

Shri R. L. T. College of Science, Akola

(B) Online FDP on Development of e-Content



The Berar General Education Society's
SHRI R.L.T. COLLEGE OF SCIENCE, AKOLA
Re-accredited 'A' Grade by NAAC, Bangalore with CGPA 3.12

Organises
Faculty Development Programme (FDP) on
"Development of E-Content"
From 11th to 18th June 2020.

OUR PATRONS
THE B.G.E. SOCIETY'S AKOLA

 Adv. M. G. Mohta President	 Shri V. S. Toshniwal Sr. Vice President	 Dr. R. C. Jain Jr. Vice President	 Shri P. N. Maheshwari Hon. Secretary	 Er. A. G. Paranjape Jt. Secretary
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& ALL OTHER EXECUTIVE MEMBERS

Adv. Pramod W. Agrawal	Shri. Rameshchandra S. Chandak	Dr. Ajay V. Kant
Ar. Atul R. Bang	Shri. Karan K. Cheema	Dr. Kiran H. Laddha
Shri. Abhay P. Bijwe	C.A. Vikram R. Golechha	Dr. Satish L. Rath
Shri. Deepak B. Chandak	Adv. Ajaykumar R. Gupta	Shri. Amit A. Sureka

Organising Committee

  Dr. V. D. Nanoty Convener and Principal	 Dr. P. T. Agrawal Organising Secretary	 Shri. S. R. Jaiswal Course Coordinator & Speaker	
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Committee Members & Speakers

 Mr. Dattaraj Vidyasagar Dept. of Electronics	 Mr. R. B. Ghayalkar Dept. of Computer Sci.	 Dr. R. M. Agrawal Dept. of Physics	 Dr. R. P. Joshi Dept. of Zoology	 Dr. A. G. Sarap Dept. of Chemistry
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Course Content:

Inaugural Speeches: [Click this link to watch the video](#)

Day-1

Video Lectute-1: [Necessary Tools for Online Teaching: Lecture - 1: Create Google Account](#)

Video Lecture-2: [Necessary Tools for Online Teaching: Lecture - 2: Use of Google Drive](#)

Video Lecture-3: [Necessary Tools for Online Teaching: Lecture-3: Google Translator & Google Input Tools Online](#)

Video Lecture-4: [Necessary Tools for Online Teaching: Lecture-4: Math Type Software](#)

Video Lecture-5: [Necessary Tools for Online Teaching: Lecture-5: Use of OCR Text Scanner](#)

Video Lecture-6: [How to convert handwritten document in PDF Format](#)

Day-1 Assignment: [Download today's assignment.](#)

DAY-1: Assignment Submission & Feedback Form

Link: <https://forms.gle/f5Hsvubm9szqLCQV7>

Day-2: Today Activity Schedule

Video Tutorials on Video Recording, Video Editing , Video Making and Upolad video on Your own YouTube Channel

Video Lectute-1: [Video Recording](#)

Video Lecture-2: [Video editing and making](#)

Video Lecture-3: [Video editing](#)

Video Lecture-4: [OBS Software for PC Screen Recoder](#)

Video Lecture-5: [YouTube Channel](#)

Day-2 Assignment: [Click to download](#)

[Assignment submission & Feedback Form Link](#)

Day-3: Activities Shedule

Video Lecture-1:[What is Google Class Room?](#)

Video Lecture-2:[How to create your own Google class room](#)

Video Lecture-3:[How to Create Assignments?](#)

Video Lecture-4: [How to create QiuZ Assignment?](#)

Video Lecture-5: [How to Create Customise Google Class Room](#)

PDF: Day-3 Assignment

Day-3: Assignment Submission and Feedback Form

link: <https://forms.gle/aFREaMRM3h86bDHR9>

Day-4: Google Forms

Lecture-1: [Introduction to Google Form](#)

Lecture-2: [How to create Google Form? Complete Tutorials](#)

Lecture-3: [How to create online test? Using Google Form](#)

Lecture-4: [How to attach Certificates to Google form using Certify'em Part-1](#)

Lecture-4: [How to attach Certificates to Google form using Certify'em \(Custom Templates\) Part-2](#)

Lecture-5: [Registration/Attendance Via Google Form Using QR Code](#)

Lecture-6: [How to upload AV Media in Google Forms](#)

PDF: [Day-4 Assignment](#)

Day-4: [Assignment Submission and Feedback Form](#)

Day-5: Testmoz: a simple test generator

Activity Shedule

Lecture-1: [YouTube Channel Subscriber Discription](#)

Lecture-2: [Introduction to Testmoz.com software](#)

Lecture-3: [Setting in Testmoz](#)

Lecture-4: [Insert a Question](#)

Lecture-5: [Publish the test](#)

Lecture-6: [Results of the test](#)

PDF: [Day-5 Assignment](#)

Day-5: [Assignment Submission and Feedback Form](#)

Online FDP Day -06

(Video Links and Assignment)

Online Tools for Video Meeting/Conference. (Zoom app, Google Meet app, etc)

Lecture -01 [\(Online Video Meeting/ Conference Tools\)](#)

Lecture -02 [\(Zoom Meeting Demonstration \(Hindi/English\)\)](#)

Lecture -03 [\(Google meet Demo\)](#)

Day-6: Assignment Submission and Feedback Form

[Day-6 Assignment](#) & [Feedback Form](#)

Day-7: Activities Schedule

Lecture-1: [E-Text Book\(down any text book in pdf form\)](#)

Lecture-2: [Microsoft Word](#)

Lecture-2: [MS word Part-2](#)

Lecture-3: [Microsoft Excel](#)

Lecture-4: [Microsoft PowerPoint](#)

Lecture-5: [Document convert using smallpdf](#)

Lecture-6: [Convert any documents into PDF](#)

[Day-7 feedback form link](#)

Report

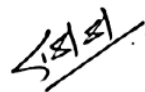
Shri R. L. T. College of Science, Akola was conducted **Online Faculty Development Program** of “**Development of E-Content For Teaching And Learning**” from 08th June to 15th June 2020. The activity was conducted under IQAC, Shri R. L. T. College of Science, Akola, during the lockdown period. Nearly 950 participants in Maharashtra with other than Maharashtra were registered for this program. The Eight days short term program included live introductory lectures on zoom app, prerecorded video lectures and day wise assignments on various topics of e-content like Google class room, Google forms, various software regarding video creating, making and editing, testmoz software, online tools for video

[SSR/Criterion-II/ Teaching, Learning & Evaluation/ QIM-2.3.1]

meeting/conference etc. The program was conducted using college's website and telegram/ what's app groups as a platform. Dr. Rajesh Chandrawanshi, Shri D. Vidyasagar, Shri Ram Ghayalkar, Dr. Ashish Sarap, Dr. Rashami Joshi, Dr. R. M. Agrawal and Shri S. R. Jaiswal from Shri R. L. T. College of Science, Akola were worked as a resource persons as well as organizing committee members and delivered the lectures on various topic of e-content as mention above. At last day of the course, final exam quiz was conducted and the online certificate was distributed to the qualified participant after submission of day wise assignment and successfully completion of the faculty development program. The main objectives of taking this FDP were to develop interest in online teaching and learning and making people technology friendly too. It was imperative to take this program during the time of corona epidemic in the period of lockdown. Dr. P. T. Agrawal Asst. Professor, Dept. of Chemistry, was worked as an organizing secretary and Shri S. R. Jaiswal, Asst. Professor, Dept. of Physics was worked as a Coordinator and successfully organized the program under the valuable guidance of Principal/Convener Dr. V. D. Nanoty.



Shri S. R. Jaiswal
Coordinator
Shri R. L. T. College o Science, Akola



Dr. R. L. Rahatgaonkar

IQAC Coordinator

Shri R. L. T. College of Science, Akola



**THE BERAR GENERAL EDUCATION SOCIETY'S
SHRI R. L. T. COLLEGE OF SCIENCE, AKOLA**
(Re-accredited with 'A' Grade by NAAC with CGPA 3.12)
FACULTY DEVELOPMENT PROGRAMME (FDP)
ON
"DEVELOPMENT OF E-CONTENT"
CERTIFICATE OF PARTICIPATION



This is to certify that Prof./Dr./Mr./Miss.

Has Successfully Completed **One Week Online Faculty Development Program on
Development of E-Content** From 8th to 15th June 2020 organized by Shri R. L. T.
College of Science , Akola with a passing score of



Course Coordinator
Mr. S. R. Jaiswal
Department of Physics



Organizing Secretary
Dr. P. T. Agrawal
Head, Department of Chemistry

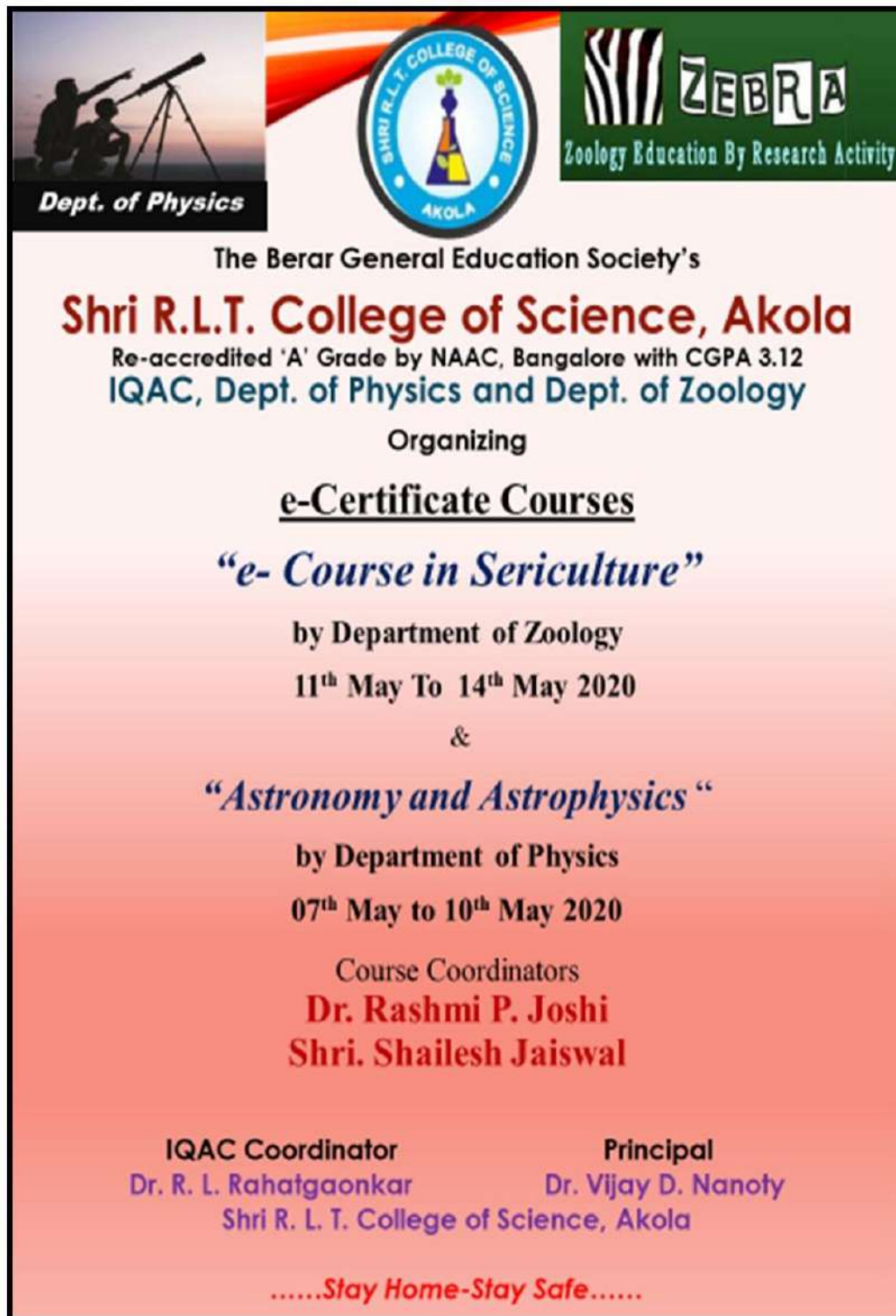


Convener
Dr. V. D. Nanoty
Principal

Detail Report with List of Registered Participant:

https://drive.google.com/file/d/14QgLjGSfYDmp2ycgEJUaf-0WJ_aYaz4L/view?usp=sharing

(C) Online FREE e-Certificate course in Sericulture and Astronomy



The advertisement features a header with three images: a silhouette of a person using a telescope (Dept. of Physics), the college logo (Shri R.L.T. College of Science, Akola), and the ZEBRA logo (Zoology Education By Research Activity). The main text is centered and reads: 'The Berar General Education Society's Shri R.L.T. College of Science, Akola Re-accredited 'A' Grade by NAAC, Bangalore with CGPA 3.12 IQAC, Dept. of Physics and Dept. of Zoology Organizing e-Certificate Courses "e- Course in Sericulture" by Department of Zoology 11th May To 14th May 2020 & "Astronomy and Astrophysics" by Department of Physics 07th May to 10th May 2020 Course Coordinators Dr. Rashmi P. Joshi Shri. Shailesh Jaiswal IQAC Coordinator Dr. R. L. Rahatgaonkar Principal Dr. Vijay D. Nanoty Shri R. L. T. College of Science, AkolaStay Home-Stay Safe.....'

Dept. of Physics

SHRI R.L.T. COLLEGE OF SCIENCE
AKOLA

ZEBRA
Zoology Education By Research Activity

The Berar General Education Society's
Shri R.L.T. College of Science, Akola
Re-accredited 'A' Grade by NAAC, Bangalore with CGPA 3.12
IQAC, Dept. of Physics and Dept. of Zoology
Organizing
e-Certificate Courses
"e- Course in Sericulture"
by Department of Zoology
11th May To 14th May 2020
&
"Astronomy and Astrophysics"
by Department of Physics
07th May to 10th May 2020
Course Coordinators
Dr. Rashmi P. Joshi
Shri. Shailesh Jaiswal
IQAC Coordinator
Dr. R. L. Rahatgaonkar
Principal
Dr. Vijay D. Nanoty
Shri R. L. T. College of Science, Akola
.....Stay Home-Stay Safe.....

Report: - Certificate Course in Sericulture on Occasion of “Golden Jubilee Year” of College (4 Days Virtual Workshop) was organized by Department of Zoology, Shri RLT College of Science, Akola and IQAC. The course Coordinator, Dr. Rashmi Joshi Sawalkar, Assistant Professor, Department of Zoology conducted the four days virtual workshop Scheduled from 11th May to 14th May 2020 and daily from 11 am to 2 pm. On last day that is on 15th May 2020 the final Online Quiz was conducted. The 50% passed participants received their E-Certificates after filling the feedback form. About 700 participants through all the states of India and some students and researchers from abroad like Mauritius, Nigeria, Pakistan also joined the course. In the concluding Quiz about 350 participants passed the exam and received the e-certificate. All the study material was given to participants in PDF format. Below are the links given for the 4 days schedule and the link for concluding quiz on last day.

Day 1 Seri: <https://forms.gle/tzLx9hPqTbs2zM4D9>


Day 2 Seri: <https://forms.gle/7xs58sYfLQ5MhhHEA>


Day 3 Seri: <https://forms.gle/tJWiDkHfxNNPDZ6o9>

Day 4 Seri: <https://forms.gle/THapcBrjt13SxHPC8>

Day 5 Final Quiz:

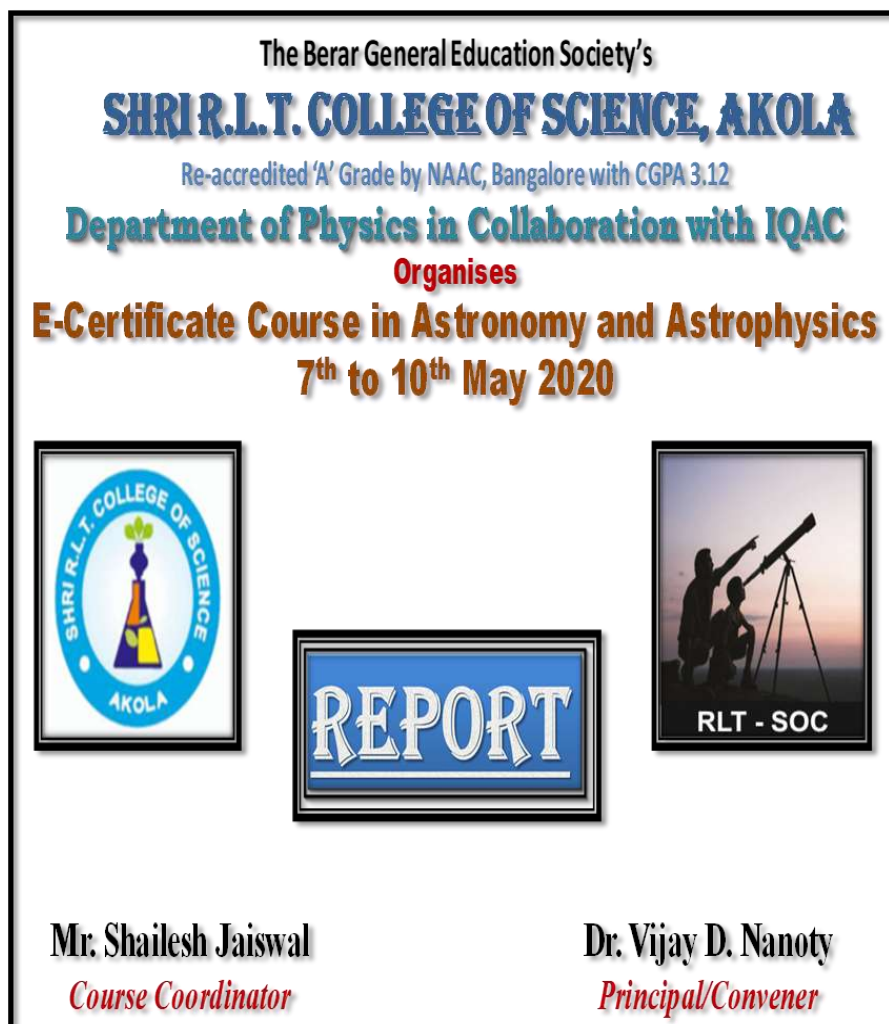
https://docs.google.com/forms/d/1MWHesywJdVW1Sjk_XxfZ3vTFkQdBZeVK6qpiYE4xyN8/edit?usp=sharing


Dr. Rashmi Sawalkar (Joshi)
Assistant Professor
Department of Zoology
R.L.T.College of Science, AKOLA


Dr. R. L. Rahatgaonkar
IQAC Coordinator
Shri R. L. T. College of Science, Akola



(D) Online FREE e-Certificate course in Astronomy



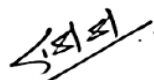
Detail Report of e-Certificate Course on Astronomy & Astrophysics

<https://www.rltsc.edu.in/wp-content/uploads/2022/10/Report-of-e-certificate-course-in-Astronomy-and-Astrophysics.pdf>

Report : Department of Physics, under Internal Quality Assurance Cell, Shri R. L. T. College of Science, Akola was conducted online program of “e-certificate course in Astronomy and Astrophysics from 7th May to 10th May 2020. The activity was conducted during the lockdown period. Nearly 500 participants in Maharashtra with other states were registered in this course. The four day course included online YouTube lectures and quizzes on various topics in Astronomy. The course was conducted using college’s website and Google Forms as a platform. On the fifth day of the course, the final exam quiz was conducted and the online certificate was distributed to the qualified participant after successfully completion of the course. The main objectives of taking this course were to develop interest in the field of astronomical science among students, to cultivate public awareness and appreciation of astronomy as a hobby and science and to motivate students for scientific study for higher education in the field of space and astronomy. Shri S. R. Jaiswal, Asst. Professor, Dept. of Physics was worked as a Coordinator and successfully organized the course under the valuable guidance of Principal/Chairman Dr. V. D. Nanoty.



Shri S. R. Jaiswal
Coordinator
Shri R. L. T. College of Science, Akola



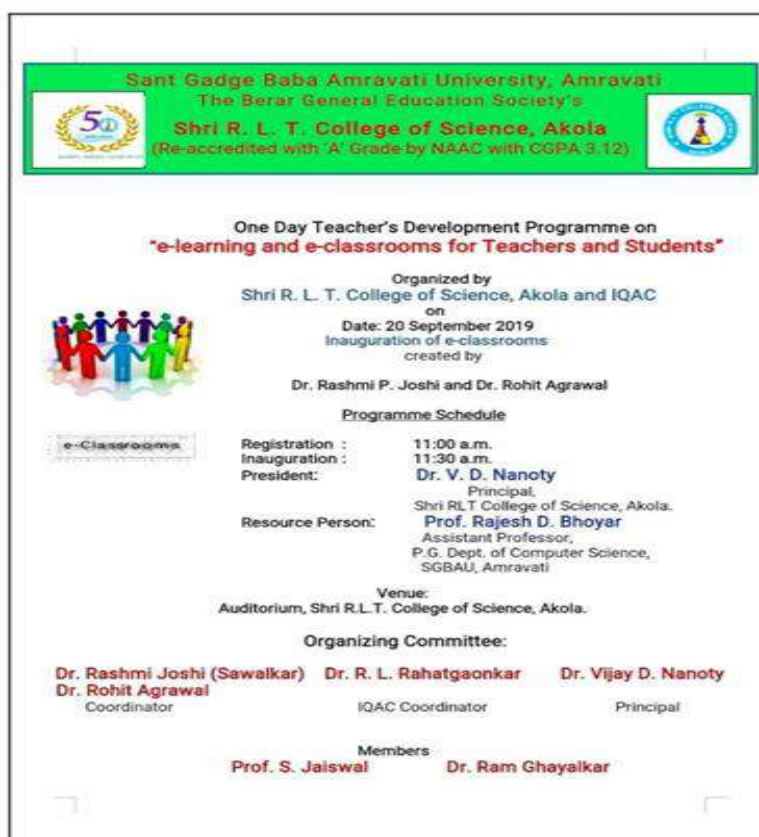
Dr. R. L. Rahatgaonkar

IQAC Coordinator

Shri R. L. T. College of Science, Akola




(E) One day teachers' development programme on e-learning and e-classrooms for teachers and students

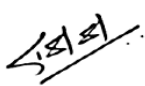


Report: One day teachers' development programme on "e- learning and e- classrooms for teachers and students" held on 20 September 2019. Dr. Rajesh Bohyar, Asst. Professor, PG Dept. of Computer Science, SGBA university, Amravati was a resource person for the program.

[SSR/Criterion-II/ Teaching, Learning & Evaluation/ QIM-2.3.1]

Total 240 students were present and about 45 teachers from different colleges along with our teachers attended the programme. The detail information regarding uses of ICT tools like Google Class rooms, Google Forms, Google Drive etc. for teaching and learning acquired by the participants. The teachers were from Balapur, Karanja, Shegaon and Akola. Thanks to respected principal sir for their support and guidance to conduct the programme. Thanks to the organising committee members for their cooperation to make the it successful This activity was conducted by Dr. Rashmi Joshi (Assistant Professor, Zoology) and Dr. Rohit Agrawal (Assistant Professor, Physics) in collaboration with IQAC.


Dr. Rashmi Sawalkkar (Joshi)
Assistant Professor
Department of Zoology
R.L.T.College of Science, AKOLA


Dr. R. L. Rahatgaonkar

IQAC Coordinator

Shri R. L. T. College of Science, Akola



2020-21

Department of Botany

State-level E-Workshop on Eco-friendly Holi

The Berar General Education Society's
Shri R.L.T College of Science ,Akola
Civil Lines, Akola, Maharashtra -444001
(Reaccredited by NAAC with 'A' Grade CGPA-3.12)

**STATE LEVEL E-WORKSHOP ON
ECO-FRIENDLY HOLI**

Organised by

Department of Botany
Environment Cell & IQAC
**in Collaboration with Gramayan Pratishthan
(NGO), Nagpur**

27th March 2021 at 4.00pm

Registration link:<https://forms.gle/V5WCG8oxPZZBnGS78>

Our Patrons

Adv. M. G. Mohta
President
The Berar General Education Society, Akola

Shri. V. S. Toshniwal
Sr. Vice President
The B.G.E. Society, Akola

Dr. R. C. Jain
Jr. Vice President
The B.G.E. Society, Akola

Shri. P. N. Maheshwari
Hon. Secretary
The B.G.E. Society, Akola

Er. A. G. Paranjape
Joint Secretary
The B.G.E. Society, Akola

All Executive Committee Members of the B. G. E. Society, Akola

Organizing Committee

Chief Organizer
Dr. Vijay D. Nanoty
Principal,
Shri R. L. T. College of Science, Akola

IQAC Coordinator
Dr. R. L. Rahatgaonkar

Convener
Dr. A. A. Sangole
Assistant Professor
Department of Botany

Organizing Secretary
Mrs. V. N. Badgujar
Head
Department of Botany

Members

Dr. P. M. Khadse
Assistant Professor
Department of Botany

Mr. S. V. Madavi
Assistant Professor
Department of Botany

All members of Environment Cell

Technical Support

Dr. R. B. Ghayalkar
Assistant Professor
Department of Computer Science

Dr. S. R. Jaiswal
Assistant Professor
Department of Physics

Inauguration: Inauguration of this workshop was held on ZOOM platform. Inaugurator and Chief organizer of this workshop was Dr. V.D. Nanoty Sir , Principal of Shri RLT College of Science, Akola. On this workshop Advocate Motisinghji Mohta, Hon'ble President of the Berar General Education Society, Akola,& Mr. Shri. P. N. Maheshwari Hon. Secretary The B.G.E. Society, Akola and All Executive Committee Members of the B. G. E. Society, Akola attained the workshop. Convener of workshop was Dr. A.A. Sangole , IQAC Coordinator Dr. R.L. Rahatgaonkar

Chief Guest was Mr .Anilji Sambre President Gramayan Pratishthan (NGO), Nagpur

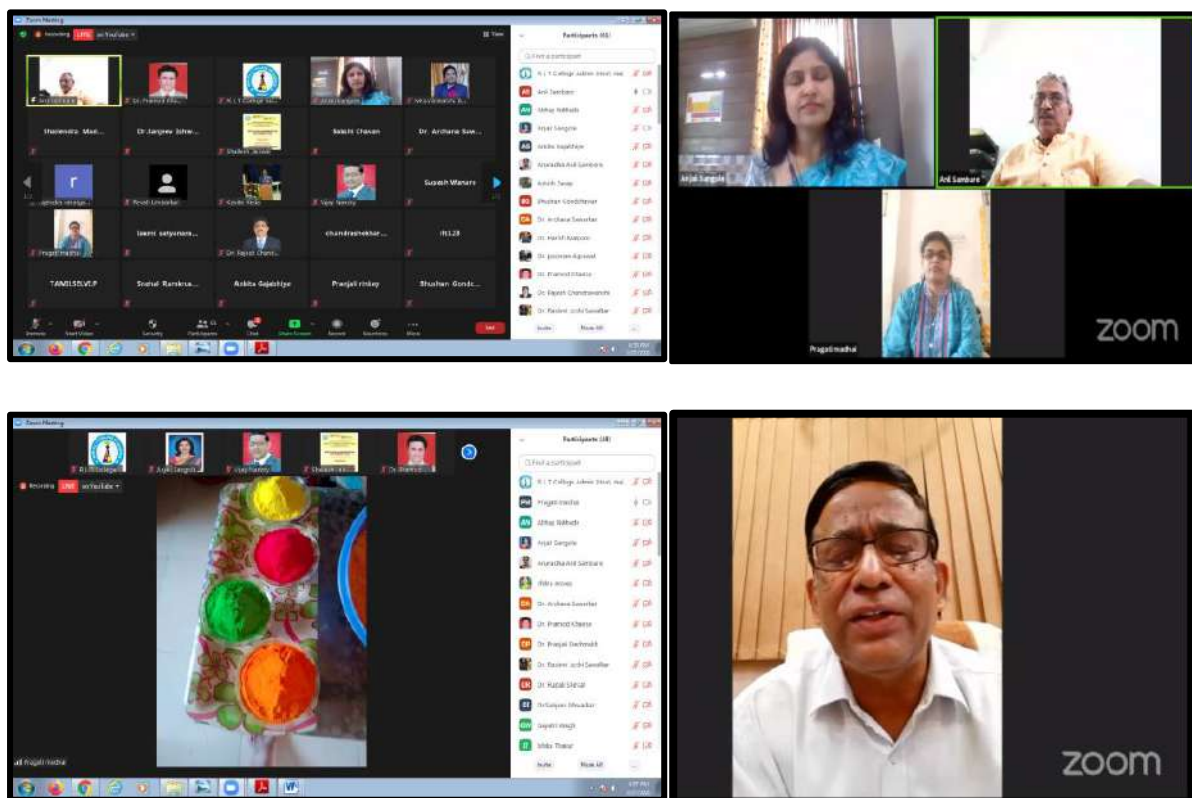
Speaker & Demonstrator, Mrs.Pragati Madhai , prepared & demonstrated the brilliant shades of Holi colours which were made from Natural extracts. Most of these plants also had medicinal properties and Holi colours prepared from them were actually beneficial to the skin.

[SSR/Criterion-II/ Teaching, Learning & Evaluation/ QIM-2.3.1]


The Organizing Secretary was ,Mrs. V.N. Badgajar ,& Dr P.M. Khadse and Mr. S.V. Madavi were Members of Organising Committee. Total 388 participant are participated in this Workshop. After workshop E-certificate werel given to the participants.

Youtube link: https://www.youtube.com/watch?v=XOqLPtYO_D4&authuser=0

Aim and Objective: The natural colours are obtained from Eco friendly sources. such as Plants By using these safe, natural colours we can help to save our Environment and conserve our Bio-diversity. **Conclusion:** Holi colours prepared from nature, are actually beneficial to the skin. Natural colours give positive effect on human body.






**Head,
Department of Botany
R.L.T College of Science
AKOLA**

Department of Chemistry

(A) Online University Level Seminar Competition on Analytical Chemistry

Online University Level Intercollegiate Seminar Competition

M.Sc. II (Semester III) on

Analytical Chemistry (Modern Method of Instrumental Analysis)

Thursday, 28-01-2021



Organized by Department of Chemistry

Shri R. L. T. College of Science, Akola

In Collaboration with



Amravati University Chemistry Teachers Association (AUCTA), Amravati

Inauguration/ Valedictory Function

Inaugurator/ Chief Guest:	Dr. S. P. Kulkarni Ex. Professor and Head, Department of Chemistry Adarsha Mahavidyalaya, Dhamangaon Rly
Guest of Honour:	Dr. P. R. Rajput President, AUCTA and Principal S. S. S. K. R. Innani Mahavidyalaya, Karanja Lad Dr. K. N. Puri Secretary, AUCTA and Professor Shri Shivaji Science College, Amravati
Chairman:	Dr. V. D. Nanoty Principal Shri R. L. T. College of Science, Akola
Convenor:	Dr. P. T. Agrawal Head, Department of Chemistry Shri R. L. T. College of Science, Akola
Organizing Secretary:	Dr. P. R. Kawle Assistant Professor, Department of Chemistry Shri R. L. T. College of Science, Akola

Organizing Committee

Dr. S. V. Kolhe Vice President, AUCTA and Professor Shri Shivaji College, Akot	Dr. S. E. Bhendarkar Vice President, AUCTA and Assoc. Professor Govt. V. I. S. H. Amravati
Dr. Ms. S. N. Gupta Treasurer, AUCTA and Professor Brijlal Biyani Science College, Amravati	Dr. S. A. Waghmare District Representative, AUCTA (Akola) Asst. Professor, GNA College, Barshitkli
Dr. Ms. S. K. Deshmukh District Representative, AUCTA (Akola) Assoc. Professor in Chemistry, Shri Shivaji College, Akola	Dr. M. O. Malpani District Co-ordinator, AUCTA (Akola) Asst. Prof. Shankarlal Khandelwal College, Akola
Dr. P. R. Kawle Organizing Secretary, Seminar Competition	Dr. P. T. Agrawal Convenor, Seminar Competition

Jury Panel

Dr. N. H. Bensod Professor in Chemistry Shri Shivaji Science College, Amravati	Dr. N. S. Kodu Assistant Professor Bhartiya Mahavidyalaya, Amravati
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Report :

The Berar General Education Society's. Shri. R. L. T. College of Science, Akola organized university level online seminar competition in chemistry in collaboration with Amravati university chemistry teachers association, (AUCTA). The outbreak of covid 19 is affecting the educational programs of all the colleges and decrease in academic event is disheartening fact. To balance the academics university level online seminar competition on Analytical Chemistry (Modern Methods of Instrumental Analysis) for post graduate students of chemistry conducted online on Thursday, 28-01-2021. The competition was inaugurated by Dr. S. P. Kulkarni, former head of department of chemistry, Adarsh College, Dhamangaon (Railway). The program was chaired by Principal Dr. V. D. Nanoty, Chief Guest Dr. P. R. Rajput, President, AUCTA and Principal SSS. K. R. InnaniMahavidyalaya, Karanja Lad, Dr. KishorPuri, Secretary AUCTA and Professor in chemistry, Shri Shivaji Science College, Amravati etc. were present.

Introducing the event, Dr. Pravin Kawle, Organizing Secretary, outlined the online seminar competition conducted through the Google meet. A total of 15 students from different colleges of Amravati University were registered for this competition and important work of evaluation of their presentation was carried out by Dr. Nitin Bansod, Professor Shri Shivaji Science College, Amravati and Dr. NileshKadu, Assistant Professor, BhartiyaMahavidyalaya, Amravati. The prizes were announced by jury, first prize won by Ms. Akanksha Pinjarkar, Shri Shivaji College, Akola, second prize won byMs. Shivani Pandey, Shri Shivaji Science College, Amravati and third prizegrabed byMs. ShrutikaKadam, Shri R. L. T.College of Science, Akola. The chief guest of the programme Dr. P. R. The Rajputs, President, AUCTA had encouraged students to build up their confidence and expressed goodwillby congratulating them. Dr. Kishore Puri, Secretary, AUCTA expressed the commitment that despite the influence of Covid 19, the academic program is being conducted in various districts of Amravati University in online mode without any interruption to create interest in the subject among the students and keep their perseverance.

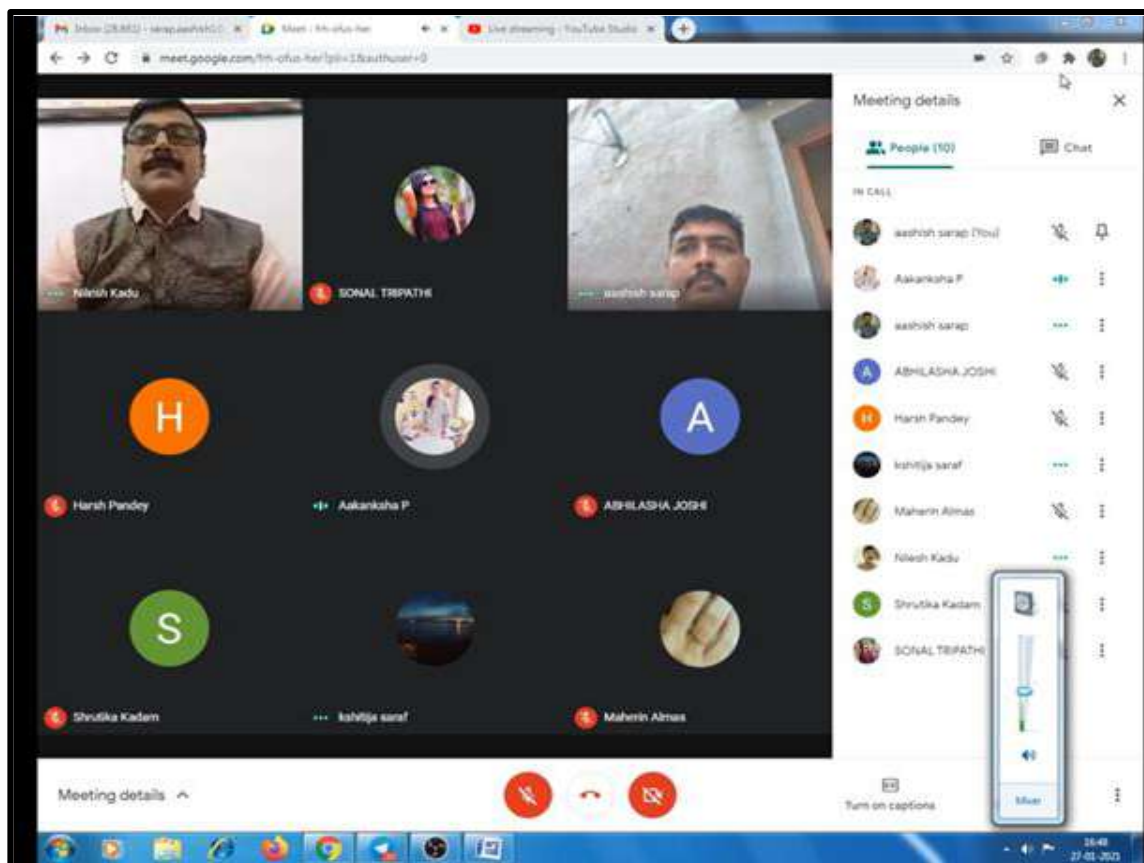
Dr. V. D. Nanoty, President of the programme had congratulated the AUCTA organization and organizing committee of this online seminar competition and emphasized that college has always been and will continue to be at the forefront of implementing academic activities by AUCTA.

Dr. P. T. Agrawal, Convenor and Head of Department, Chemistry, had expressed thanks to AUCTA and all the members of association. Dr. P. T. Agrawal, Dr. Pravin Kawle, Dr. A. G. Sarap, Dr. P. P. Deohate, Dr. K. M. Heda, Mr. S. C. Zyate and Mr. V. D. Deotale worked hard

[SSR/Criterion-II/ Teaching, Learning & Evaluation/ QIM-2.3.1]

for the successful organization of the competition. Programme was anchored by Ms.Ketki Bansod madam and Dr. A. G. Sarap expressed vote of thanks.

YouTube Link: <https://youtu.be/iqwW5rFmHmI>



Sgrawal
Head

**Department of Chemistry
R. L. T. Science College Akola**

(B) Online Seminars and group discussions -

The seminars and group discussions of B.Sc.-II & III students were conducted in the months of October & November -2020 by online under the supervision of **all the staff members of the department.**

(C) Organization of Online Chemistry Practical Workshop for B.Sc.- Students:

Department of Chemistry Developed e-module of online Chemistry Practical Workshop for of B.Sc-I students on 10st March 2020. The student who stood first was given a text book in the form of gift. Total 70 students participated in this test.

(D) Online Atchem ... Aptitude Test in Chemistry

Please click on the following link to download the details report of the Online Atchem-Aptitude Test (2020-21):

Link: <https://www.rltsc.edu.in/wp-content/uploads/2021/12/Report-Aptitude-Test-in-Chemistry-2020-21.pdf>

OR

Scan QR Code:



Agrawal
Head
Department of Chemistry
R. L. T. Science College Akola

(E) Online Short-Term Course on Research Methodology (STCRM)

The Berar General Education Society's
SHRI R.L.T. COLLEGE OF SCIENCE, AKOLA
(Re-accredited 'A' Grade by NAAC, Bangalore with CGPA 3.12)
In Association with
Ph.D. Cell, S. G. B. Amravati University.
Amravati University Chemistry Teachers Association
& Microbiologist Society India.
Organised
" Online Short Term Course on Research Methodology"
DAY- 4: 16/07/2020

All Respected Delegates ,
Researchers and Participants
Thank You very much
For Your Active
Participation in
Online Short Term Course on
Research Methodology.

Organizing Committee

 Dr. V. D. Nanoty Principal and Convener	 Dr. Sujay Band AssL Registrar Ph.D Cell, SGB, Amravati University	 Dr. P. T. Agrawal Organizing Secretary	 Dr. R. L. Rahatgaonkar Co-convener
 Dr. A. G. Sarap Dept. of Chemistry	 Dr. H. S. Malpani Dept. of Microbiology	 Dr. R. M. Agrawal Dept. of Physics	 Shri. S. R. Jaiswal Dept. of Physics

Link of the Course: https://www.rltsc.edu.in/online-courses/#Online_STCRM
OR

Scan QR Code:



[SSR/Criterion-II/ Teaching, Learning & Evaluation/ QIM-2.3.1]

Four days Online Short Term Course on Research Methodology was being organized by Shri R.L.T.College of Science, Akola in collaboration with Ph.D. Cell Sant Gadge Baba Amravati University, Amravati and Amravati University Chemistry Teachers Association and Microbiologist Society India from 13th July to 16th July 2020. The programme was started with University song. **Principal Dr. V.D. Nanoty** Delivered the welcome Speech and **Hon'ble DR. Hemant Deshmukh**, Director Board of Examinations and evaluations gave the introductory remark.

The Online Short Term Course was formally inaugurated by Hon'ble Vice-Chancellor of Sant Gadge Baba Amravati University, Amravati **Hon'ble Dr. Murlidharji Chandekar**. Followed by stimulating speech of Hon'ble Vice Chancellor, **DR. F.C. Raghuwanshi**, Dean Faculty of Science and Technology gave a motivational speech. **DR. P.R.Rajput**, President AUCTA and **DR. A. M.Deshmukh**, President MSI also gave their best wishes to the online short term course.

Dr. Tushar Deshmukh, The Registrar, Sant Gadge baba Amravati University, Amravati also express his views on this occasion and admire that he is feeling proud to be an Alumni of Shri R.L.T. College of Science, Akola. It is really a proud moment for all of us. **Dr. Poonam Agrawal**, **Head Department of Chemistry** was the co-ordinator for this Programme. **Dr. Harsih Malpani** proposes the vote of thanks by giving best wishes of Hon'ble President Adv. Motisinghji Mohta and Shri Pawanji Maheshwar, hon. Secretary, of The B.G.E. Society Akola.


Head

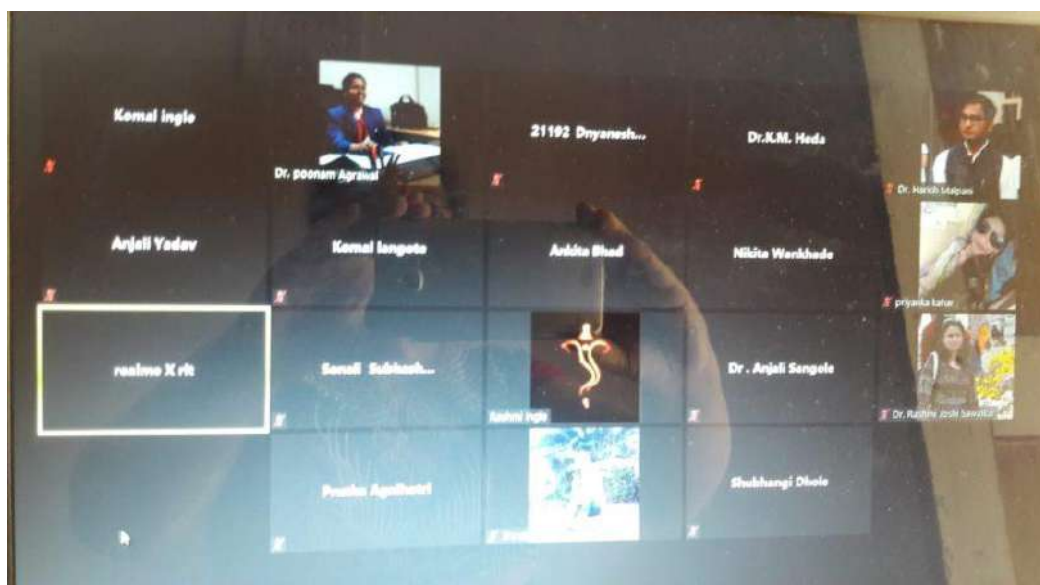
Department of Chemistry
R. L. T. Science College Akola

(F) Online World Ozone Day Teaching, Learning & Evaluation/ QIM-2.3.1]

Department of Chemistry in collaboration with IQAC of Shri R. L. T. College of Science Akola, Organized Online Debate competition on the topic : ‘ Is Lockdown Due to COVID-19 is Healing Ozone Layer Hole? ‘ on the occasion of world Ozone day on 16th september 2020.

Total 16 students of M. Sc. II year took part. And all students of I and II year are present with our faculty members Dr. Harish Malpani, Dr. Rashmi Joshi, shri V. D. Deotale sir, Shri madavi sir Dr. Anhali Sangole mam, Dr. Aashish Sarf Rashmi Ingle madam and Dr. Kavita Heda madam and all teaching staff were present online for Debate competition.

Competition Provide a great online platform to students to express their views. Its a wonderful experience for all of us because college organized such online debate activity for the first time. Dr. Poonam Agrawal ,Head department of Chemistry and organizing secretary of this competition conducted the programme. Dr. Harish Malpani Sir Asst. Professor department of Microbiology guided the students about ozone layer. Dr. Kavita Heda Asst. Professor Department of Chemistry proposed vote of thanks. The programme was successfully completed due to active participation of students and guidance and support of Our Respected Principal Dr. V. D. Nanoty sir and IQAC coordinator Dr. R. L. Rahatgaonkar.



P. Agrawal
Head

**Department of Chemistry
R. L. T. Science College Akola**

Department of Computer Science/IT

(A) Virtual Guest Lecture: Career Perspectives in Programming with Data Structures and Algorithms

Department of Computer Science and IT of Shri R.L. T. College of Science Akola MS has organized Virtual online Guest Lecture for B.Sc. (Computer Science & I. T.) students on “Career Perspectives in Programming with Data Structures and Algorithms” on dated 30-06-2021 (Wednesday) at 11:00 am.

Virtual Guest Lecture delivered by Resource person Mr. Kapil Tajane, Assistant Professor Department of Computer Engineering from Pimpri Chinchwad College of Engineering, Pune.

Resource person of the Virtual Guest Lecture has shared advancement in the field of Computer Science, data structure and algorithm also given some online tool for graphical representation of data structure also demonstrate practically, more than 150 students from B.Sc. I,II,III were benefited on zoom and youtube online platform from this informative and practical session of Online Virtual Guest Lecture.

The Principal Dr. V. D. Nanoty chairperson of the program has inaugurate and addresses students, Mr. Ram B. Ghayalkar Asst. Professor Department of Computer Science has given welcome speech and also conducted the program, Vote of Thanks given by Ms. R. A. Chandak. Program conducted online on Zoom online meeting (Meeting ID: 810 5084 9840 Passcode: rlt123) and youtube Live Platform.

Recorded YouTube Link: <https://www.youtube.com/watch?v=bM-etpMuywo>

Feedback Form: <https://forms.gle/S46U6X3JccxLXgvJ9>

Some Pictures while session: [SSVCentron@Teaching, Learning & Evaluation/ QIM-2.3.1]



Feedback from students

Gayatri sarangdhar ingle	BSC 1 (P3)	It's good I enjoy the lecture
Vaishnavi Devendra Metange	B. SC. 3rd P6	Good
Mayuri Gopal kangate	Bsc 3rd &P6	Very useful
Vaishnavi Arun Deshmukh	Bsc part 1, batch p2	Great and knowledgeable session
Mayuri Gopal kangate	Bsc 3rd & P6	Very useful
Sanjana murlidhar mundada	P2	From this lecture it is easy to understand the concept of data structure and how to use data structure in different way
Suraj Muralidharji Mundada	Bsc-III SEM-VI P2	Wonderful explanation
Sumit digambar mankar	1st year p5	Every one
Mayuree Vijay Shegokar	BSc. III (P6)	It was really very helpful for us and excellent

Triveni Prabhakar Wankhade	B.Sc-3 (sem-6)batch - P2	The lecture was amazing . I really learn something new and knowledgeable from the lecture. And I have also get idea about whatkind of skills are required to be a good programmer and to get the good job opportunities.
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[SSR/Criterion-II/ Teaching, Learning & Evaluation/ QIM-2.3.1]		
Vaishnavi shyam chavan	B.Sc. 2nd year Batch P2	Lecture was great and helpful.
Dnyaneshwar Manikrao Kankale	1st yr P3	Nice guidance
Vaishnavi Ashutosh Kulat	Bsc 3rd (p3)	Very useful info we got from your lecture.Thanks sir
Rutuja Ravindra Jamodkar	Bsc. 2nd year(P5)	Today's session was very good and I got good information
Anjali Tejrao Tayade	Bsc-2nd yr (p3)	Excellent
Vaibhav Dipak Wadekar	P3 Sem-6	Lot of Information
Shreyas Ravindra Jamodkar	Bsc. 1st year(P3)	Good information
Bhumika Santosh Thakare	Bsc p2	This is good and import lectures
Renuka Prakash Deshmukh	B.sc.3rd (P2)	It is knowledgeable
Ku. Vrushali Surendra Ingle	Bsc 3rd year(P2)	It is helpful for learn about coding
Shubham Ghasiram Sen	Bsc.3rd (P3)	
Samiksha Rajan Sharma	B.sc 2nd year(sem 4) / P6 Batch	Thankyou for this lecture... It's so Helpful.
Pranay Yogesh Kamble	B.Sc. II (sem 4)P2	Better
Dhanshri raosaheb vidhate	Bsc-I ,Batch:p2	Nice information
Kajal madhukar kale	Bsc2 year p2	
Sakshi Ananta tale	Bsc 2 Nd yearP2 Batch	Good
Pooja Shailesh Wandale	Bsc II (Sem IV)(p2)	This lecture is really very useful.
Puja Gajanan Podhade	Bsc 2	Helpful
Pranaligawai29072002@gmail.com	B.Sc.1 year (second semester)p6	It was valuable.
Dhanashree Paddakhe	BSC -3 (P3)	The session was amazing and knowledgeable.I've got to know a few new things about data structure and coding platforms. Thank you for arranging this guest lecture it was great.
Prashik Himmat Dandi	Bsc III -P6	It was useful
ASHWINI GAJANAN ZAMBRE	Bsc.1 (P2)	Wonderful Information
Prajakta Parate	B.sc P3	Good
RAM B G	BSC	GOOD
Apoorva Harshadkumar Damodar	BSC II sem IV	
Rushali Gopal Mhaisne	Bsc-3rd yr (p3).	good at explaining ideas.
Kshiteeja Santosh Nakat	Bsc II(sem III),P2	It is so useful to us as we study data structure as well as c languages but it

(B) Online Workshop on E-Waste Management: Reduce, Repair, Refurbish, Recycle & Reuse

Department of Computer Science, Electronics and Physics in collaboration with Parent Teacher Association (PTA) organized online Workshop on “E-Waste Management: Reduce, Repair, Refurbish, Recycle & Reuse” on dated 11-08-2021 at 11:00am. Resource persons of this workshop were Dr. Y. S. Tamgadge, (HOD, Physics; Mahatma Fule Mahavidyalaya, Warud) and Mr. R. G. Chavan (HOD, Electronics; Shri R.L.T. College, Akola). It was conducted on online platform through Google Meet and also provided

This workshop was organized for making awareness in students and their parents about E-Waste and its Managements. Topic was very ellaboratively explained in English and local language Marathi by both resource persons. Mr. Sanjay Ingle, Authorized e-waste dismantler gave best wishes to this innovative workshop. Mr. Shailesh Jaiswal Asst. Professor, Department of Physics gave idea about future Electronic waste collection program of College.

The Principal Dr. V. D. Nanoty, Chairperson and inaugurator of the program addressed participants. Workshop was conducted by Dr. Archana S. Sawarkar, Associate Professor in Zoology and convener of workshop. Mr. Ram B. Ghayalkar, Asst. Professor, Department of Computer Science, Coordinator of the Workshop proposed Vote of Thanks. More than 300 students and parents get benefited by this workshop.

YouTube link: <https://youtu.be/vQhiVK6EaZ4>

Registration Link: <https://forms.gle/2TFkxijtFJiRpv8>

Feedback form link: <https://forms.gle/tmvhmJyY94XrvZ6c8>



A handwritten signature in black ink, appearing to read "R. B. Ghayalkar", is written over a light blue grid background.

Mr. R. B. Ghayalkar
(Assistant Professor)
Organizer
Department of Computer Science & IT
Shri R. L. T. College of Science Akola

Some Pictures while session:



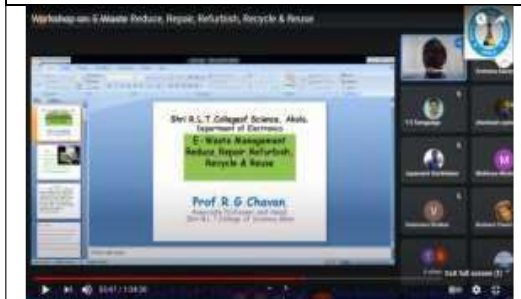
Inaugural speech by
Principal Dr. V. D. Nanoty sir



Conduction of Programme by
Dr. Archana S. Sawarkar



Guidance by Dr. Y. S. Tamgadge on topic
“E-Waste Management: Reduce, Repair, Refurbish, Recycle & Reuse”



Guidance by Mr. R. G. Chavan
on topic “E-Waste Management”



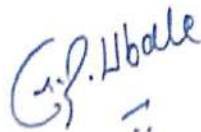
Vote of Thanks by
Mr. Ram B. Ghayalkar

Department of Library and Languages

CREATIVE WRITING COMPETITION 2020-21

This competition is a joint initiative of Department of Languages and the Library, like every year in this academic session 2020-21 too creative competition was organized on 15th July 2021 with the theme “ Covid -19 : A Scientific Approach “ This was to raise awareness about covid -19 disease .

The competition aims to motivate students to put forward their ideas on a particular theme this year the competition was conducted online keeping in mind covid -19 situations. Students from UG as well as PG courses responded or participated in a big way in essay writing, poetry writing and drawing categories. Around 166 students submitted their creative output via what's app, mail and after sorting out winners were awarded with certificates .Mr Mangesh Ubale worked as convener while Mr A.B. Khedkar worked as organizing Secretary.



Mr.Mangesh R Ubale
Convener
Librarian



Mr.A.B. khedkar
Organising secretary
Asst.prof.in English

Department of Mathematics

"Online Mathematics quiz" based on the syllabus of NET/SET exam

A report:

National Eligibility Test (NET) and State Eligibility Test (SET) are the examinations for determining the eligibility for the post of Assistant Professor and/or Junior Research Fellowship award in Indian universities and colleges. Considering the importance of these exams for the future careers of the students, The Berar General Education Society's Shri R.L.T. College of Science, Akola, Department of Mathematics in collaboration with IQAC was organized "Online Mathematics quiz" based on the syllabus of NET/SET exam for the subject Mathematics from 30th June to 1st July 2021.

First of all in regular college lecture, the students were explained the information and importance of the NET/SET exam. The syllabus of NET/SET exam for the subject Mathematics was provided to students. The students were then introduced to the "Online Mathematics quiz" based on the syllabus of NET/SET exam for the subject Mathematics. Each PG teacher of Mathematics took out ten questions on different topics of the syllabus of NET/SET exam. Out of them 25 questions were selected for Quiz.

The platform used for this Online Mathematics Quiz was Google form. In first section of the quiz personal details of the participant was asked. After fulfilling the details of first section, second section is opened which contains 25 questions, each question carrying two marks. All questions were made compulsory and E-certificate was awarded to the student scoring minimum 40%.

At 12 o'clock on 30th June, the link of the Quiz was provided on Google classroom as well as on WhatsApp group of M.Sc.I and M.Sc.II students and the link was closed at 11.59pm on 1st July. A total of 205 PG students had participated in this quiz. Of these, 160 students scored 40% or more and were awarded E-certificate.

In this way the students understood the importance of NET/SET exam, its syllabus and the questions that come up in it. Thus the objective of the department "to encourage the students to take the NET/SET exam" was achieved.

Link of "Online Mathematics quiz" : <https://forms.gle/SJb9Jo2YZNJDc3Bu9>

- Result sheet of "Online Mathematics quiz"

Sr. No.	Full Name of the Participant	Class	Email Address	Score
1	Fatema . Ansar Ahmed. Shaikh	M.Sc.I	fatemaagshaikh@gmail.com	50 / 50
2	Priyanka Rajesh Shukla	M.Sc.I	priyankashukla8766@gmail.com	50 / 50
3	Kavita Laxman Bhute	M.Sc.I	kavitabhute27@gmail.com	50 / 50
4	Shubham Pralhad Nawle	M.Sc.I	shubhamnawle1997@gmail.com	50 / 50

[SSR/Criterion-II/ Teaching, Learning & Evaluation/ QIM-2.3.1]

5	Bhavana Sharadrao Deshmukh	M.Sc.I	deshmukhbhavana19@gmail.com	50 / 50
6	Durga Prakash Kukade	M.Sc.I	durgapakukade@gmail.com	50 / 50
7	Rajeshri Ravindra Lanjudkar	M.Sc.I	rajeshrilanjudkar@gmail.com	50 / 50
8	Shweta subhash nagre	M.Sc.I	shwetanagre7061999@gmail.com	50 / 50
9	Siddharth Namdev Katare	M.Sc.I	siddharthkatare123@gmail.com	50 / 50
10	Sneha Surendra Ghute	M.Sc.I	snehaghute1999@gmail.com	50 / 50
11	Vaishnavi Santosh Matode	M.Sc.I	vaishnavi.matode19@gmail.com	50 / 50
12	Harsha A Sachwani	M.Sc.I	harshasachwani@gmail.com	50 / 50
13	Damini Arun Suryawanshi	M.Sc.I	daminisuryawanshi3@gmail.com	50 / 50
14	Varsha Vilas chavhan	M.Sc.I	vv98chavhan@gmail.com	50 / 50
15	Kanchan Ashok Khade	M.Sc.I	kanchankhade11@gmail.com	50 / 50
16	Shruti Nagorao Kalmegh	M.Sc.I	shrutikalmegh12@gmail.com	50 / 50
17	Deval Rajesh Baghe	M.Sc.I	devabaghe@gmail.com	50 / 50
18	Mayuri Vitthal Chabile	M.Sc.I	mayurichabile123@gmail.com	50 / 50
19	Prachi anil ingle	M.Sc.I	prachiingle14@gamil.com	50 / 50
20	Bhagyashri prakash wagh	M.Sc.I	bhagyashripwagh@gmail.com	50 / 50
21	Ku. Surabhi Gajanan Raundale	M.Sc.I	surabhiraundale@gmail.com	50 / 50
22	Pranav Gajanan Kadu	M.Sc.I	pranavkadu297@gmail.com	50 / 50
23	Vaishnavi Harihar Kukade	M.Sc.I	vaishnavikukade119@gmail.com	50 / 50
24	Samiksha Rajesh Ghogare	M.Sc.I	ghogaresanket1997@gmail.com	50 / 50
25	Shirish Pramod Shegokar	M.Sc.I	trishshegokar@gmail.com	50 / 50
26	Shital Krushnrao Suryawanshi	M.Sc.I	suryawanshishital65@gmail.com	50 / 50
27	Chaitali subhash deshmukh	M.Sc.I	chaitalideshmukh73@gmail.com	50 / 50
28	Gaurav Gajanan Shinde	M.Sc.I	gauravshinde798@gmail.com	50 / 50
29	Pratibha Suresh Khanzode	M.Sc.I	pskhanzode1999@gmail.com	50 / 50
30	Pranali Pramod Gawande	M.Sc.I	gawandepranali006@gmail.com	50 / 50
31	Raksha Prakash pawar	M.Sc.I	pawarraksha56@gmail.com	50 / 50
32	Sakshi Rajendra Deshmukh	M.Sc.I	sakshideshmukh9210@gmail.com	50 / 50
33	Shraddha Narayan Atalkar.	M.Sc.I	shraddhaatalkar140@gmail.com	50 / 50
34	Chanda Milind Bahekar	M.Sc.I	chandabahekar07@gmail.com	50 / 50
35	Bhagyashree Rajesh Saitwal	M.Sc.I	brsaitwal1999@gmail.com	50 / 50
36	Karan Manoj Jadhao	M.Sc.I	karanmjadhao10@gmail.com	50 / 50
37	Ku. Uma prakash daware	M.Sc.I	dawareuma2@gmail.com	50 / 50
38	Ku. Komal Rajabhau Dhote	M.Sc.I	komaldhote1999@gmail.com	50 / 50
39	Mayur gautam chakranarayan	M.Sc.I	mayurchakranarayan2440@gmail.com	50 / 50
40	Akshay Gajananappa Telharkar	M.Sc.I	telharkarakshay@gmail.com	50 / 50
41	Suraj Ramsing Jakhade	M.Sc.I	surajjakhade2016@gmail.com	50 / 50
42	Shivanand kaduji junghare	M.Sc.I	shivpatil2580@gmail.com	50 / 50
43	Yogini Rajesh Ghatge	M.Sc.I	yrghatge@gmail.com	50 / 50
44	Ku surbhi gajananrao ramekar	M.Sc.I	surabhiramekar@gmail.com	50 / 50
45	Priti Arun Badarkhe	M.Sc.I	badarkhepriti@gmail.com	50 / 50
46	Dhanashri Rajendra Dhore	M.Sc.I	dhanashridhore64@gmail.com	50 / 50
47	Ku pratiksha vinod makode	M.Sc.I	pratikshamakode3105@gmail.com	50 / 50
48	Komal Dipak Mane	M.Sc.I	manekomal4586@gmail.com	50 / 50
49	Ku. Pragati vilas zamare	M.Sc.I	pragatzamare1999@gmail.com	50 / 50
50	Vaishnavi Rajesh Patkar	M.Sc.I	vaishnavipatkar98@gmail.com	50 / 50
51	Ashwini Sunil Wankhade	M.Sc.II	wankhadeashwini1998@gmail.com	50 / 50
52	Gautmi Gajanan Bhimte	M.Sc.I	gautamibhimte1998@gmail.com	50 / 50

[SSR/Criterion-II/ Teaching, Learning & Evaluation/ QIM-2.3.1]

53	Yadneshwari Vitthal Bagade	M.Sc.I	yadneshwaribagade@gmail.com	50 / 50
54	Prajakta Mohan Rahate	M.Sc.I	prajaktarahate21@gmail.com	50 / 50
55	Prachi Sanjay Ubale	M.Sc.I	prachisubale.99@gmail.com	50 / 50
56	Komal Mahadeo khond	M.Sc.I	komalkhond8@gmail.com	50 / 50
57	Samruddhi Vijay Joshi	M.Sc.I	samrujoshi06@gmail.com	50 / 50
58	Vaishnavi Shrikrishna Vyawahare	M.Sc.I	vaishnavivyawahare4@gmail.com	50 / 50
59	Ankita Sunil Kurwale	M.Sc.I	ankitakurwale@gmail.com	50 / 50
60	Chaitali Pandurang Bajod	M.Sc.I	bajodshubham@gmail.com	50 / 50
61	Pallavi Dinesh Akhare	M.Sc.I	pallaviakhare19@gmail.com	50 / 50
62	Pratik Anil Kale	M.Sc.I	kalep106@gmail.com	50 / 50
63	Pallavi Bhashkar Janokar	M.Sc.I	pallavijanokar3010@gmail.com	50 / 50
64	Komal Jagdish Kekan	M.Sc.I	komalkekan2@gmail.com	50 / 50
65	Ku Renuka Rajabhau Gaud	M.Sc.I	renukagaud1999@gmail.com	50 / 50
66	Aartee Haridas Mogare	M.Sc.I	aarteemogare1@gmail.com	50 / 50
67	Manali Dineshrao Kangate	M.Sc.II	kangatedmanali@gmail.com	50 / 50
68	Saima Parveen Shaikh Nazeer	M.Sc.I	saimaparveen0290@gmail.com	50 / 50
69	Vijaya Ramdas Tekade	M.Sc.I	tekadevijaya328@gmail.com	50 / 50
70	Dnyaneshwari Gajanan Bhatkar	M.Sc.I	dnyaneshwaribhatkar74@gmail.com	50 / 50
71	Sonal Bharatkumar Rathod	M.Sc.I	ashishrathod9497@gmail.com	50 / 50
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[SSR/Criterion-II/ Teaching, Learning & Evaluation/ QIM-2.3.1]

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[SSR/Criterion-II/ Teaching, Learning & Evaluation/ QIM-2.3.1]

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[SSR/Criterion-II/ Teaching, Learning & Evaluation/ QIM-2.3.1]

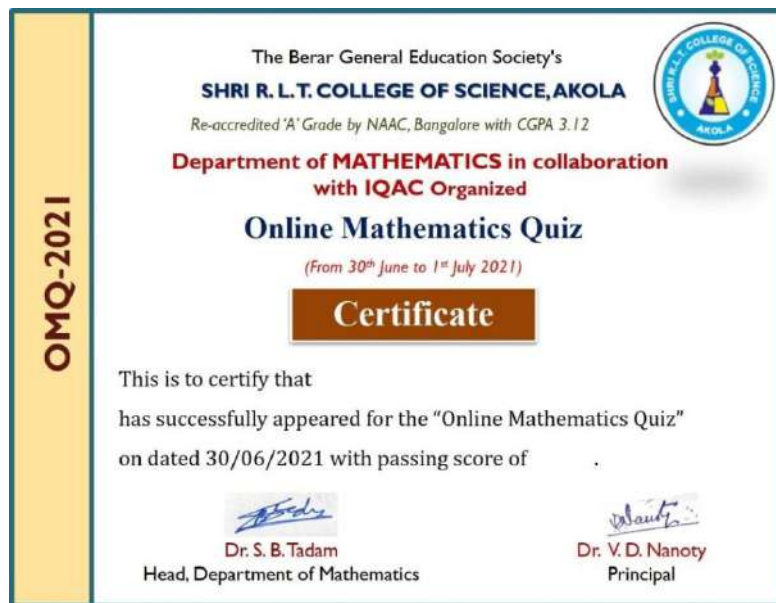
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Dr. S. B. Tadam

Asst. Professor and Head,
Department of Mathematics

E-Certificate of “Online Mathematics quiz”:



Department of Microbiology

National Online Workshop of Intellectual Property Rights & Patent Filing

The B.G. E. Society Akola's

Shri R.L.T. College of Science, Akola

National Online Workshop on Intellectual Property Rights & Patent Filing

30th August 2021

Intellectual property rights are given to people to earn recognition or financial benefit from what they invent or create. The Department of Microbiology, Alumni Association, and IQAC of Shri RLT College of Science, Akola, in Collaboration with the IPR Cell SGB Amravati University, Amravati, organized a National Online Workshop on Intellectual Property Rights & Patent Filing on 30th August 2021. The researchers and academicians were introduced to the fascinating world of Intellectual Property Rights and patent filing procedure. Intellectual property rights are an inventible tool for today's globalized economy.

On this occasion, Honorable Adv. M.G. Mohta, President of B.G.E. Society, Shri. P. N. Maheshwari, Hon. Secretary and all executive members wished their best for the success of the event. Dr. Aniket Gade, Assistant Professor of Department of Biotechnology (SGB Amravati University, Amravati), who is an alumnus of our college and holds a Post Doctoral degree (USA), gave an invited talk on Intellectual Property Rights. From this webinar, participants were informed about various intellectual property rights, patent filing, and patent-related information. Around 230 participants from various institutions registered for the event. The attendees were from renowned institutes such as CV Raman University (Bilaspur, Chhattisgarh), CDSCO (New Delhi), Guru Nanak Khalsa College (Mumbai), St. Wilfred's College (Panvel), St. Xavier's Institute (Mumbai), RNS institute of pharmacy (Gwalior), Indian Institute of Technology (Roorkee), ITM university (Gwalior), and Chitrakoot (MP). Of these, approximately 45% were post-graduate students and 40% were academicians from interdisciplinary subjects, whereas 14.3% were research scholars. The participants provided positive and constructive feedback. Many participants suggested that more such events should be conducted to introduce such important and useful subject areas.

This event was successfully organized under the esteemed guidance of Dr. V. D. Nanoty (Convener), Dr. R. L. Rahatgaonkar (IQAC coordinator), and Dr. H. S. Malpani (organizing secretary). Dr. V. D. Nanoty delivered the presidential speech, Dr. H.S Malpani communicated with an introductory speech, and Dr. S. R. Kohchale hosted the entire program with technical assistance from Mr. R. B. Ghayalkar and Mr. S. R. Jaiswal. The vote of thanks was delivered by Mr. R. D. Choudhari (Chairman of the Alumni Association). Organizing committee members Dr. S. M. Nagrale, Dr. P. T. Agrawal, Mr. R. D. Choudhari, Dr. A. G. Sarap, Ms. S. N. Gawande,

and all teaching and non-teaching staff took efforts for the successful organization of the this webinar.



Dr. Harish S. Malpani

Organizing Secretary & Head

Department of Microbiology



Dr. V. D Nanoty

Convener & Principal

Shri. RLT College of Science, Akola

Link of Programs

Program link (ZOOM link):

<https://us02web.zoom.us/j/83355908340?pwd=QktueC8wYTREeXRZOFNBRjdVUUVhZz09>

You tube link: <https://youtu.be/lgBDzZMjJY>

Feedback Link: <https://forms.gle/cuR3fEvAk2umbjgW7>

YouTube Link: <https://youtu.be/lgBDzZMjJY>



Department of Physical Education

Online activities conducted by the Department of Physical Education and Sport:

- (A) International Day of Yoga
- (B) Physical Fitness Campaign
- (C) National Sport Day
- (D) Certificate Course in Physical Fitness


For the full report of the all above online activities please click on the following link given below:

Link: <https://www.rltsc.edu.in/wp-content/uploads/2021/08/DPES-Report-2020-2021.pdf>

OR


Scan the QR Code:





(Dr. R. D. Chandrawanshi)
Director of Sports &
Physical Education
Shri R.L.T. College of Science, Akola

Department of Physics

(A) Online Guest Lecture on Virtual Laboratory



The B. G. E. Society's
Shri R. L. T. College of Science, Akola.
Affiliated by Sant Gadge Baba Amravati University
Re-accredited with 'A' Grade by NAAC, Bangalore with CGPA 3.12
Civil Line Akola Ph. (0724) 2415480 (College website: www.rltsc.edu.in)



Department of Physics in Collaboration with IQAC
Organizes
Online Guest Lecture
On the Occasion of National Science Day
Date: Sunday 28th February 2021 Time: 02:30 pm to 04 pm

*******Guest Speaker*******
Dr. P. A. Nagpure
Associate Professor
Department of Physics
Shri Shivaji Science College, Amravati

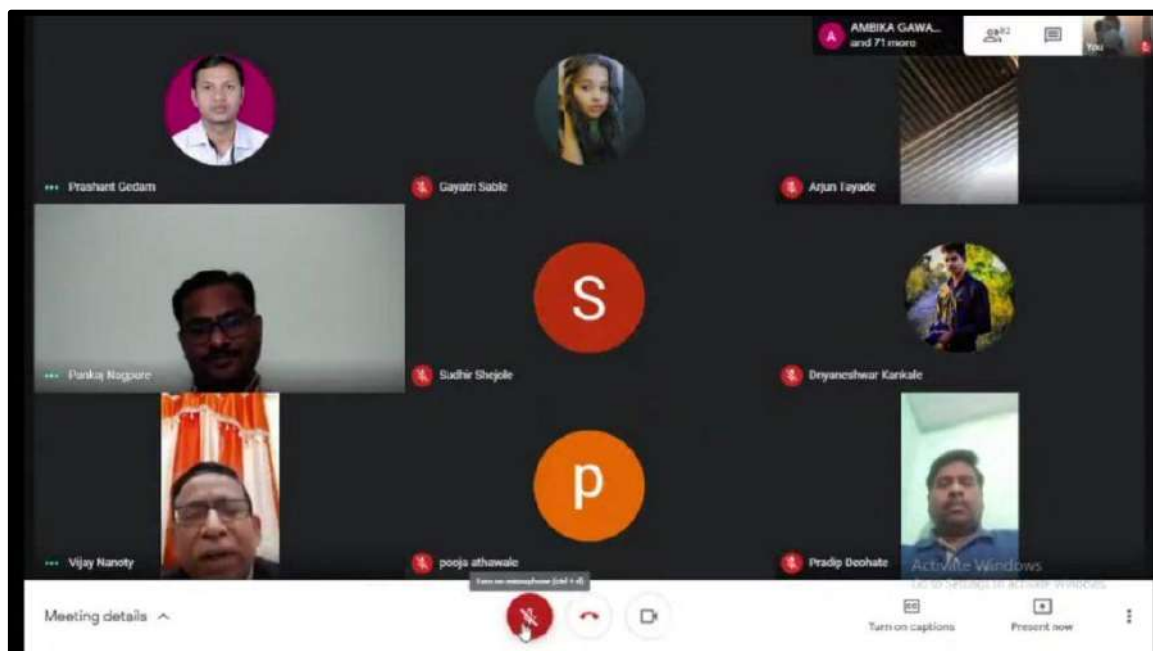
TOPIC: "VIRTUAL LABORATORY"

Google Meet Link:
meet.google.com/wdb-room-xeo
(For 1st 100 Students)

YouTube Link:
<https://youtu.be/DJGccEKMFYI>

*******Organising Committee*******

Dr. V. D. Nanoty Principal / Chairperson	Dr. R. L. Rahatgaonkar IQAC Coordinator
Shri P. P. Gedam Asst. Professor Dept. of Physics	Shri S. R. Jaiswal Asst. Professor & Coordinator Dept. of Physics



Department of Physics in collaboration with IQAC, Shri R. L. T. College of Science, Akola, celebrated National Science Day and organised Online Guest Lecture on the topic of “Virtual Laboratory”. Dr. P. A. Nagpure, Associate Professor, Dept. of Physics, Shri Shivaji Science College, Amravati was a Guest Speaker and Dr. V. D. Nanoty was a chairperson on the occasion of Online National Science Day Program. Total 500 participants attended the online program through Google Meet and YouTube Live. Shri S. R. Jaiswal, worked as a coordinator and Shri P. P. Gedam & Dr. R. M. Agrawal, worked as a convener and co-convener in this program.

Please click the following links to know more details about it.

Information Brochure: <https://bit.ly/38ypwGW>

YouTube (Live): <https://youtu.be/DJGccEKMFYI>

Shri S. R. Jaiswal
Coordinator
Shri R. L. T. College of Science, Akola

(B) Online Certificate Course in Renewable Sources of Energy



The Berar General Education Society's
SHRI R.L.T. COLLEGE OF SCIENCE, AKOLA
Re-accredited 'A' Grade by NAAC, Bangalore with CGPA 3.12

**Department of Physics
in Collaboration with IQAC**

Organises

"Online Certificate Course in Renewable Sources of Energy"
From 24th to 29th June 2021.

<u>Our Patrons</u>	<u>Organising Committee Member and Speaker</u>
The B.G.E. Society's Akola	
Adv. M. G. Mohta President	Dr. V. D. Nanoty Principal
Shri V. S. Toshniwal Sr. Vice President	Dr. Poonam Agrawal Department of Chemistry
Dr. R. C. Jain Jr. Vice President	Dr. R. L. Rahatgaonkar IQAC Coordinator
Shri P. N. Maheshwari Hon. Secretary	Dr. Anjali Sangole Department of Botany
Er. A. G. Paranjape Jt. Secretary	Dr. R. M. Agrawal Convener
& All Other Executive Members	Dr. Rashmi Joshi Sawalkar Department of Zoology
	Dr. Ashish Sarap Department of Chemistry
	Shri S. R. Jaiswal Organizing Secretary
	Shri Sandeep Toshniwal Department of Microbiology

Report: Department of Physics, under Internal Quality Assurance Cell, Shri R. L. T. College of Science, Akola was conducted "Online Certificate Course in Renewable Sources of Energy" from 24th June to 29th June 2021. Nearly 204 students in the college were participated for this course. The six day course included online YouTube lectures recorded by faculties (Dr. P. T. Agrawal, Dr. A. A. Sangole, Dr. A. G. Sarap, Dr. R. P. Joshi, Shri S. Toshniwal) and quizzes on various topics of renewable energy like Biomass, Solar energy, geothermal energy etc. The course was conducted using Google Forms and what's app Groups as a platform. At end of the course, final exam quiz was conducted and the online certificate was distributed to the participants who were successfully completion of the course. The main objectives of taking this course were to develop interest in the field of renewable energy and to create awareness among people that renewable energy sources is the demand and need of future. Dr. R. M. Agrawal and Shri P. P. Gedam, Asst. Professor, Dept. of Physics, were worked as a Convener and Co-convener respectively. Shri S. R. Jaiswal, Asst. Professor, Dept. of Physics was worked as an Organising Secretary and successfully conducted the course under the

valuable guidance of Dr. P. T. Agrawal Madam, Head and Associate Professor, Dept. Chemistry and Dr. V. D. Nanoty, Principal, Shri R. L. T. College of Science, Akola.

Day wise Students Participation Report:

(Note: Links of all day wise google forms are given in invitation brocher)

Days	Day-1	Day-2	Day-3	Day-4	Day-5	Day-6	Quiz/ Feedback
Number of Students	200	225	226	197	189	215	182

Certificate Copy and Photo



Online Certificate Course in Renewable Sources of Energy" from 24th to 29th June 2021

Inauguration Function link: <https://youtu.be/19J1q3DIgcs>

For more details and All Six days Activities: [click this link](#)

download the PDF copy for more details: [Click here](#)

List of Registered Participant: https://drive.google.com/file/d/1-Gip_FAJ3TgTGuDJ1D7tpJnZaV8x_50L/view?usp=sharing

Shri S. R. Jaiswal
Coordinator

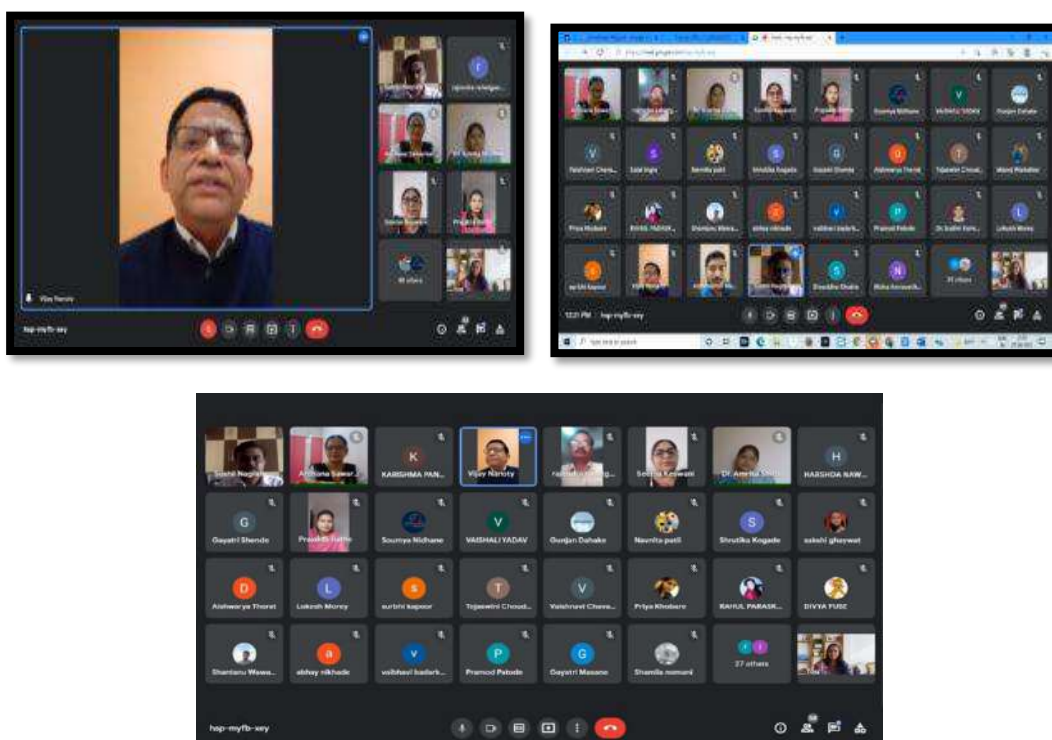
Shri R. L. T. College o Science, Akola

Department of Zoology

(A) One Week e-certificate Course in Apiculture

Department of Zoology of Shri R.L.T. College of Science, Akola with IQAC organized Virtually 6 Days E-Certificate Course in Apiculture. The course was inaugurated on 27/6/21 at 12 noon. Dr. S.M. Nagrale convener of the course, Dr. Rashmi Joshi organizing secretary, Dr. A.S. Sawarkar, Dr. Sudhir Kohchale Members of organizing committee from Department of Zoology while Respected Principal Dr. V. D. Nanoty Presided the Inaugural Function in presence of IQAC Coordinator Dr. R. L. Rahatgaonkar. All the resource persons Dr. Amrita Shirbhate, Asst Prof & Head Dept of Zoology, Mahatma Phule Science College, Patur, Dr Seema Keswani, Asst Prof & Head Dept of Zoology, MSP Arts & Science College, Manora, Dr Abhimanyu Maheshwari, Asst Prof, Dept of Botany, Bajaj College, Wardha and Miss Prajakta Bathe, Asst Prof, Dept of Zoology, B. S. Patel College, Pimplegaon Kale, Jalgaon Jamod were invited in the inaugural function. The everyday course schedule was a recorded lecture of resource person, Video tutorials, MCQ Test and the Study material link to download. Daily about average 157 participants attended the course, out of which 152 appeared for Final Quiz and about 128 passed and received their certificates.

Web Link: <https://www.rltsc.edu.in/2021/07/05/one-week-e-certificate-course-in-apiculture/>



Sr.no.	Day/Date of Course	Responses/No. of Participants attended
1	Day 1 (27/6/21)	141
2	Day 2 (28/6/21)	162
3	Day 3 (29/6/21)	150
4	Day 4 (30/6/21)	140
5	Day 5 (01/7/21)	185
6	Day 6 (02/7/21)	164
7	Final Quiz (02/7/21)	152
8	Feedback & Certificate to Qualified candidates (02/07/21)	128

OBJECTIVES OF THE COURSE:

- 1) To inculcate importance of Bee keeping and honey processing in relation with entrepreneurship development.
- 2) To give students knowledge about various techniques of Bee keeping and honey processing and its marketing to make them self-sustainable after graduation.
- 3) To teach techniques of construction of Bee Hives and its maintenance.
- 4) To teach students about Honey production and health related problems with Honey bees.

Dr. Rashmi Sawalkar (Joshi)
Assistant Professor
Department of Zoology
R.L.T. College of Science, AKOLA


(B) Online Poster making competition on ‘Ozone for Life’

ZEBRA Club, Department of Zoology observed World Ozone Day on 16th September 2020 by organizing Online Poster making competition on theme ‘Ozone for Life’. Students of B.Sc. II and B.Sc. III participated in the competition. Due to COVID-19 pandemic lockdown, students participated in the event through virtual platform. Participants narrated about importance of Ozone layer protection by their own innovative drawings and thus tried to make a small contribution in creating awareness through handmade posters.

Ku. Devika N. Pathar – B.Sc. III; Ku. Hrutuja B. Gopnarayan- B.Sc. III, Meghana D. Kalpande- B.Sc.II, Ku. Poonam R. Waghmare –B. Sc.II secured First, Second, Third and Consolation positions respectively. The event was organised by Dr. Archana Sawarkar and Dr. Sudhir Kohchale under guidance of HoD Dr. S.M. Nagrale and Honourable Principal Dr. V.D. Nanoty.

A short video showing some posters for creating awareness about preservation of Ozone Layer is attached herewith.:

YouTube Link: <https://youtu.be/hLmJS6OcS4w>



Dr. Sushil M. Nagrale
Head,
Dept. of Zoology,
Shri R.L.T. College of Science
AKOLA

Activities Under IQAC

(A) One day virtual workshop and students induction programme on N.E.P 2020

The poster is divided into two vertical sections. The left section has an orange background and contains the following text: 'The Bharat General Education Society's', 'Shri R.L.T. College of Science, Akola', 'National Service Scheme (NSS) & IQAC organizes', 'Virtual Workshop & Students Induction Program in collaboration with Ministry of Education, Government of India Through N.E.P. 2020 (National Education Policy 2020) (Social Entrepreneurship, For Higher Educational Institutions) on Date: Thursday, 15/10/2020 Time: 10:30 am to 12:30 pm.', '*Resource Person* Mr. Abhishek Ranjan (MGNCRE, MoE)', 'Key Points' followed by a list of four points, 'Convener Dr. Vijay D. Nanoty Principal' and 'Organizer Dr. Rashmi P. Joshi SESRECCollege Committee Nodal Off.', 'Dr. Samadhan Munde Mr. Shailesh Jaiswal Miss Sonali Gawande SESRECCollege Committee Members', and 'Shri RLT College of Science, Akola.' The right section has a white background and features the logos of 'SHRI R.L.T. COLLEGE OF SCIENCE AKOLA' and 'NATIONAL SERVICE SCHEME' at the top. Below the logos, it says 'NOT ME BUT YOU' in large blue letters, followed by a red flower icon and 'College To Village' at the bottom.

Report: Today on 15/10/20, the NSS Unit & IQAC of Shri RLT College of Science Akola organised one day virtual workshop and students induction programme on N.E.P 2020(National Education Policy- Social entrepreneurship for higher educational institutions) in collaboration with Ministry of Education, Govt. Of India. The resource person for the workshop was Mr. Abhishek Ranjan (MGNCRE, MoE)

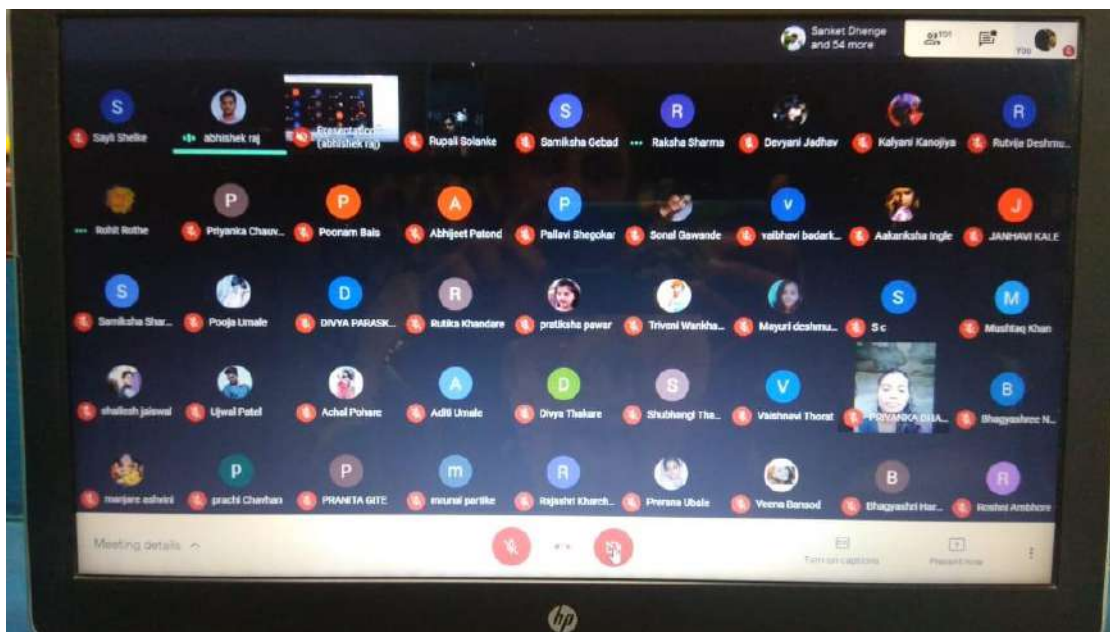
Key points:

1. Understand the vision of SESRECC (Social Entrepreneurship, Swachata & Rural Engagement Cell)
2. Promoting Social Entrepreneurship.

3. Share examples/case studies in SESREC.

4. About National level B.Plan Competition.

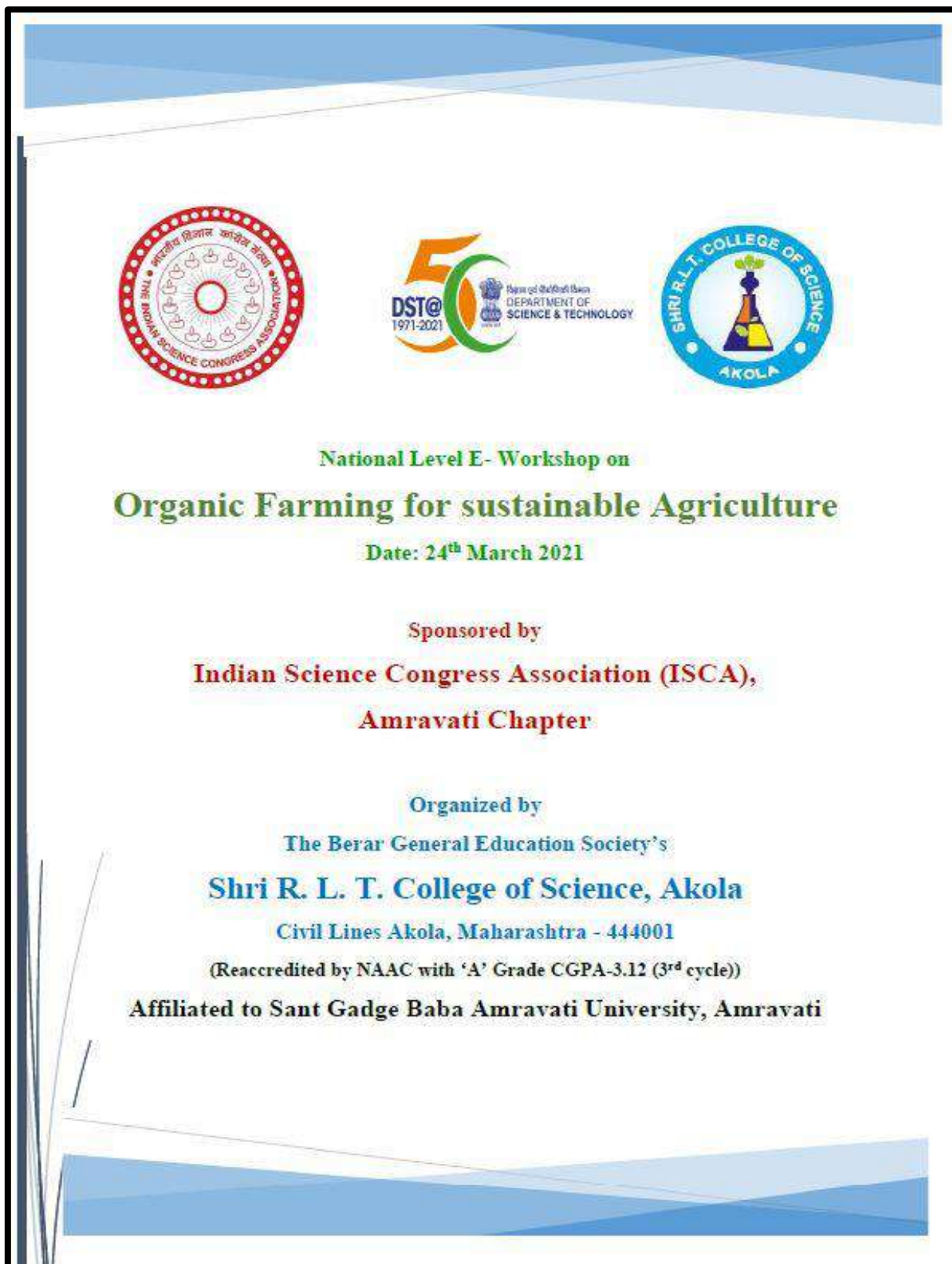
The NSS programme officer Dr. Rashmi Joshi Sawalkar took efforts to organize such activity under the able guidance of the visionary principal Dr. V. D. Nanoty. The virtual workshop was conducted on Google Meet during the time period of 10:30 am to 12:30 pm. The complete session was very informative and interactive. The participants discussed and shared their ideas with the resource person. Many students registered for this competition. The registered students were informed to submit their ideas and presentations in the coming 15 days. The entire team is grateful to the IQAC Co-ordinator Dr. R. L. Rahatgaonkar for his constant support. The event became successful with the huge response of students. The complete team of SESREC Committee of the college, Dr. Samadhan Munde, Mr. Shailesh Jaiswal and Ms. Sonali Gawande took efforts to make the event successful.



[Handwritten signature]

Dr. R. L. Rahatgaonkar
IQAC Coordinator
Shri R. L. T. College of Science, Akola

(B) National level e-Workshop on Organic Farming for sustainable Agriculture



The poster features a white background with blue decorative borders at the top and bottom. At the top left, there is a red circular logo for the Indian Science Congress Association (ISCA) with the text 'THE INDIAN SCIENCE CONGRESS ASSOCIATION' and '1912-2021'. In the center, there is a logo for DST@1971-2021 with the text 'Department of Science & Technology'. At the top right, there is a blue circular logo for Shri R.L.T. College of Science, Akola, featuring a stylized figure and the text 'SHRI R.L.T. COLLEGE OF SCIENCE AKOLA'. The main text is centered and reads: 'National Level E- Workshop on Organic Farming for sustainable Agriculture' in green, followed by 'Date: 24th March 2021' in green. Below this, it says 'Sponsored by Indian Science Congress Association (ISCA), Amravati Chapter' in red. Then, 'Organized by The Berar General Education Society's Shri R. L. T. College of Science, Akola' in blue, followed by 'Civil Lines Akola, Maharashtra - 444001' in blue. At the bottom, it says '(Reaccredited by NAAC with 'A' Grade CGPA-3.12 (3rd cycle))' in black and 'Affiliated to Sant Gadge Baba Amravati University, Amravati' in black.

**National Level E- Workshop on
Organic Farming for sustainable Agriculture**
Date: 24th March 2021

Sponsored by
**Indian Science Congress Association (ISCA),
Amravati Chapter**

Organized by
The Berar General Education Society's
Shri R. L. T. College of Science, Akola
Civil Lines Akola, Maharashtra - 444001
(Reaccredited by NAAC with 'A' Grade CGPA-3.12 (3rd cycle))
Affiliated to Sant Gadge Baba Amravati University, Amravati

Introduction:

The green revolution greatly reduced world food shortages but at high environmental cost. Agriculture affects both the ecosystem and human health through added nutrients and pesticides. Continuous addition of chemical fertilizers and pesticides, although greatly increasing the global food production, have degraded agricultural lands, lowered the quality and taste of agricultural product and have increased environment induced risks. Sustainable agriculture is nothing but management practices of crop and animal production that secure long-term ecological productivity without degradation of their natural resource base and impoverishment of human health. Aim of this workshop is to Increase consciousness about sustainable agriculture for safe and high-quality food. This will led to a growing interest in alternative farm practices, including organic agriculture.

Objectives:

- To create awareness among the students, teachers and farmers regarding organicfarming.
- To develop efficient crop and soil management options for organic farming.
- To develop need-based cost-effective new techniques for farm-waste recycling.
- To study productivity, profitability, sustainability, quality and input-use-efficienciesof different crops and cropping systems under organic farming in different agro- ecological regions.

Inauguration:

Inauguration of workshop programme was held on online platform of ZOOM. PrincipalDr. Vijay D. Nanoty presided over the programme. Convener of workshop, Dr. Atul K. Bodkhe, Convener, Indian Science Congress Association (ISCA), Amravati Chapter, highlighted the relevance of program. He told about the working of Indian Science Congress Association. The Amravati Chapter also undertakes a series of programmes of various occasions to inculcate scientific temper and generate scientific awareness in students as well as people in general.

Chief Guest and Inaugurator, Dr. Rajiv A. Gulhane, Chairman, Board of Studies in Zoology, Sant Gadge Baba, Amravati University, Amravati, inaugurated the workshop.

In his inaugural address he stated that Organic farming aims to produce different crops having high nutritive value. Organic farming is a viable alternative to the adverse effects of overuse of chemical fertilizers on human health. On this occasion, the congratulatory messages of Advocate Motisinghji Mohta, The Hon'ble President of The Berar General Education Society, Akola and Mr. Pawanji Maheshwari, Hon. Secretary, the B. G. E. Society, Akola were broadcast.

Principal Dr. Vijay D. Nanoty, The Chief organizer of the workshop and the chairman of the inauguration ceremony, said that the farmers need to adopt organic farming method keeping in view their own as well as national interest.

This programme was conducted by Joint Organizing Secretary, Dr. Sudhir Kohchale and Organizing Secretary, Dr. Archana Sawarkar proposed vote of thanks.

Technical Session:

In the guidance sessions, Dr. Mohan B. Wadekar, Associate Professor and Head Post Graduate Department of Botany, N. H. College Bramhapuri, Gondwana University, Gadchiroli, gave a power point presentation on the topic 'Organic Farming - Sustainable Way'. He gave detailed information about what is organic farming, various methods of organic farming as well as misconceptions about organic farming. He explained that organic farming is the system that favours maximum use of organic material. It is one of the several ways to sustainable agriculture. The other speakers in the guidance session was Dr. Jeevan Katore, Assistant Professor, College of Agriculture, Nagpur, Dr. P.D.K.V., Akola. He gave very informative information on the subject of organic farming management and Explained the methods intercropping, Crop rotation, ploughing, mulching, Integration of livestock etc. Both resource persons interacted with the trainees.

Online quiz:

Attraction for Student Participants was an 'Online quiz on Organic Farming'.

Technical Session was followed by an online quiz for the students. Mr. Chetan Surve of Khadki Science College, Mr. Irfan Ahmed Pare of Shivaji Science College, Amravati and Miss. Arpita Jadhav of Shri R.L.T. Science College, Akola bagged the first, second and third prizes respectively. Winners were honoured with Certificate of Merit and Cash prizes of Rs 1000/-, Rs. 700/- and Rs. 500/- respectively. Technical Session and online quiz was conducted by Mr. Shankesh C. Zyate, and Mr. Shailendra V. Madavi.

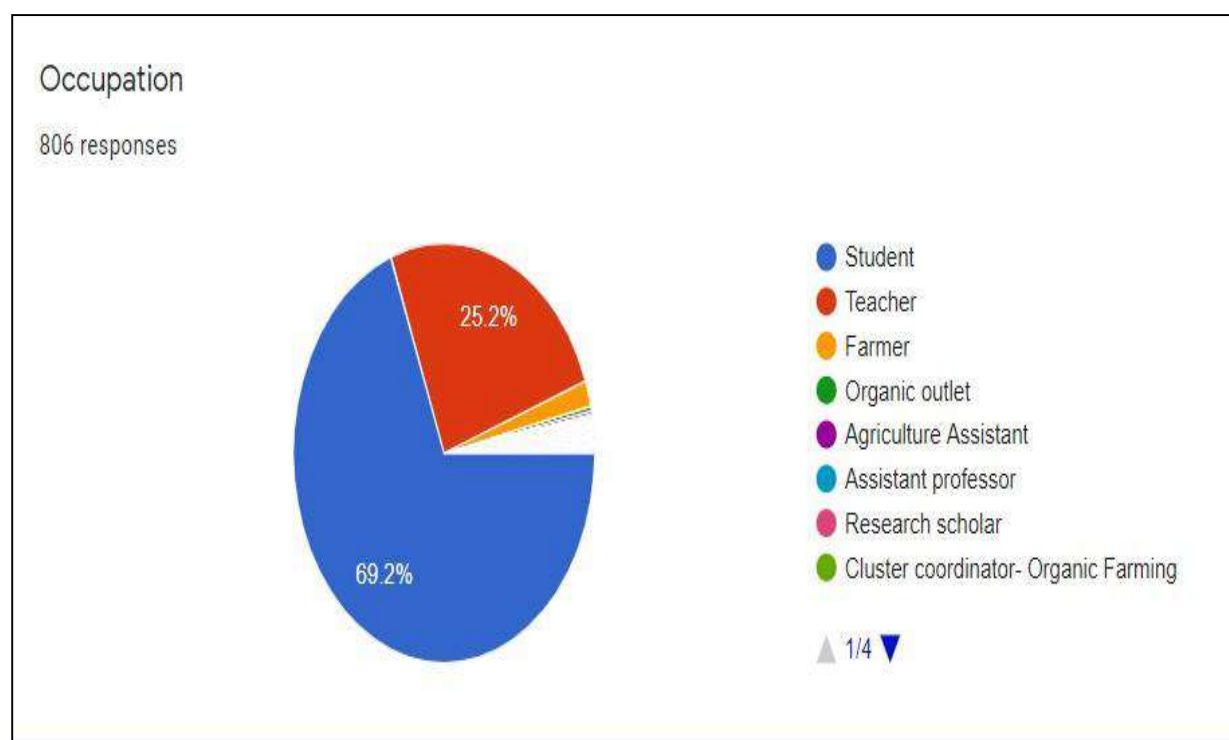
[SSR/Criterion-II/ Teaching, Learning & Evaluation/ QIM-2.3.1]

For the success of the program, Convener, Dr. Atul K. Bodkhe, Convener, Indian Science Congress Association, Amravati Chapter; Organizing Secretary, Dr. Archana S. Sawarkar, Associate Professor in Zoology; Joint Organizing Secretary, Dr. Sudhir Kohchale, Assistant Professor in Zoology; Committee Members Dr. Pravin R. Kawle, Assistant Professor in Chemistry; Mr. Shankesh C. Zyate, Assistant Professor in Chemistry; Mr. Shailendra V. Madavi, Assistant Professor in Botany; Mr. Ram B. Ghayalkar, Assistant Professor in Computer Science; Mr. Shailesh R. Jaiswal, Assistant Professor in Physics, all the teachers and non-teaching staff worked tirelessly.

Financial Support: For this workshop, financial Support of Rs.10,000 /- (Rs. Ten thousands only) was provided by Indian Science Congress Association, Amravati Chapter.

Evidence of Success:

A total of 806 trainees from more than 15 states across India were participated in this organic farming workshop. Students, teachers, farmers and all earth lovers in the age range of 18 to 65 years were participated actively. Participants came to know that sustainable agriculture is necessary to attain the goal of sustainable development.



YouTube link: <https://www.youtube.com/watch?v=PHY3er6S3P4>

Photo Gallery

Inaugural Program	
	
Inaugural Speech by Dr. Rajiv A. Gulhane, Chairman, Board of Studies in Zoology, S.G.B. Amravati University, Amravati	Welcome speech by Convener, Dr. Atul K. Bodkhe, Convener, Indian Science Congress Association, Amravati Chapter
	
Presidential address by Principal Dr. Vijay D. Nanoty	Conduction of Program by Joint Organizing Secretary, Dr. Sudhir R. Kohchale
	
Congratulatory messages of Adv. M.G. Mohta, President, The B.G.E. Society, Akola	Congratulatory messages of Mr. P.N. Maheshwari, Hon. Secretary, the B. G. E. Society, Akola
	
Participants In workshop	Vote of Thanks by Organizing Secretary Dr. Archana S. Sawarkar

Technical Session	
	
Guidance by Dr. Mohan B. Wadekar, Associate Professor and Head Post Graduate Department of Botany, N. H. College Bramhapuri, Gondwana University, Gadchiroli	
	
Guidance by Dr. Jeevan Katore, Assistant Professor, College of Agriculture, Nagpur. Dr. P.D.K.V., Akola	
	
Anchoring by Mr. Shailendra V. Madavi, Assistant Professor in Botany	Anchoring by Mr. Shankesh C. Zyate, Assistant Professor in Chemistry
	
Certificate of Participation	News of Workshop



Dr. R. L. Rahatgaonkar

Dr. R. L. Rahatgaonkar
IQAC Coordinator
 Shri R. L. T. College of Science, Akola

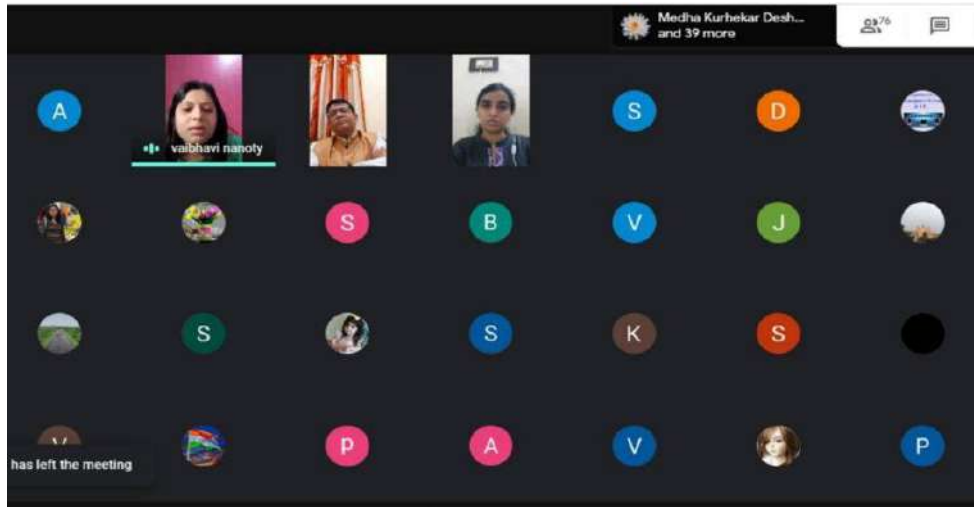
(C) Online Guest Lecture on the topic of “कोरोना- सध्यस्थिती आणि महिलांचे मानसिक स्वास्थ्य”

Women’s Cell and Internal Complaint Committee in collaboration with IQAC, Shri R. L. T. College of Science, Akola, celebrated Women’s Day and organised Online Guest Lecture on the topic of “कोरोना- सध्यस्थिती आणि महिलांचे मानसिक स्वास्थ्य”. Dr. Smita Deshmukh, Principal, Shri Shivaji Arts and Commerce College, Amravati was a Guest Speaker, Dr. Vaibhavi Nanoty (Matkari), M.D. Microbiology, Rajiv Gandhi Medical College, Thane, Mumbai & Ms. Kalpana Ashok Palaspagar, Ph.D. Students, Shri R. L. T. College of Science, Akola were presented as a Guest of honour on the occasion of Online Women’s Day program. Dr. V. D. Nanoty was present as a Chairperson for Program. Total 650 participants attended the online program through Google Meet and YouTube Live.

Please click the following links to know more details about it.

Information Brochure: <https://bit.ly/3rJt9kz>

YouTube (Live): https://youtu.be/yuCKW9NZv_g



Dr. S. B. Tadam
Asst. Professor and Head,
Department of Mathematics



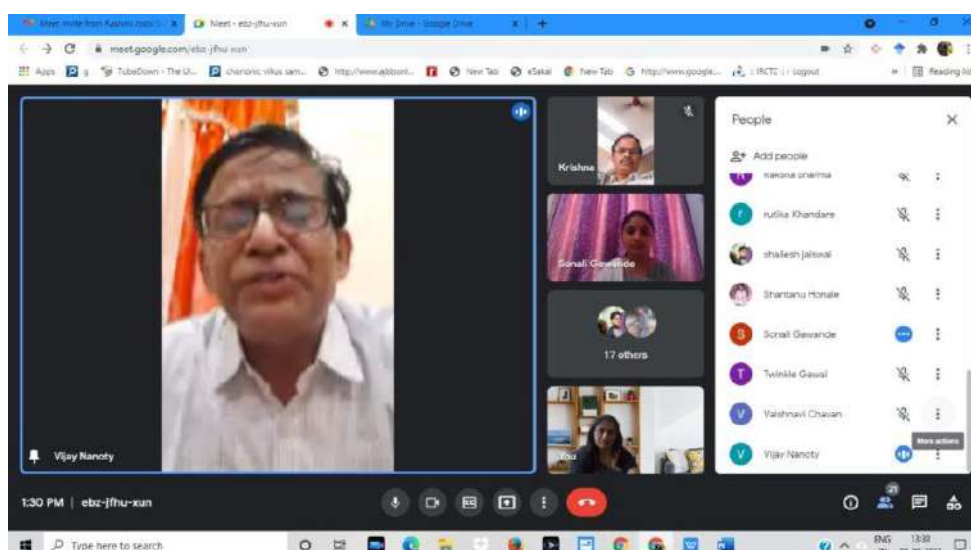
Dr. R. L. Rahatgaonkar
IQAC Coordinator
Shri R. L. T. College of Science, Akola

(D) NSS Unit organized Seminar Competition on “Restoring Ecosystem”

On 5/6/21, the Occasion of World Environment Day 2021 the NSS unit of Shri R.L.T. College of Science, Akola organized the Seminar Competition on “Restoring Ecosystem” to make pupils aware about nature conservation. About 26 participants participated and delivered their views through presentations. From the excellent presentations and ideas of students the best 4 were selected by the NSS P. O. Dr. Rashmi Joshi and Miss Sonali Gawande. At last one consolation prize was declared.

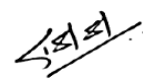
The cash prizes were Rs.700/-, Rs.500/-, Rs.300/- and one consolation of Rs.200/-. The entire team of NSS is very much thankful to our respected principal Dr. V. D. Nanoty for their introductory speech and guidance and also thankful to the IQAC co-ordinator Dr. Rahatgaonkar for giving their valuable time for the event. Dr. Samadhan Munde, organizing secretary of the program and Mr. Shailesh Jaiswal, worked hard for making the programme successful. Miss Sonali Gawande very nicely done the conduction and helped in evaluation process of participants.

More about the programme: [World Environment Day 2021](#)





डॉ. रश्मी सावलकर (जोशी)
कार्यक्रम अधिकारी (रा.से.वो.)
श्री.रा.ल.तो.विज्ञान महाविद्यालय, अकोला





Dr. R. L. Rahatgaonkar
IQAC Coordinator
Shri R. L. T. College of Science, Akola


(E) One Month Add-on Part Time Course on Digital Skill Development Program for Student -Teacher.




The Berar General Education Society's
SHRI R. L. T. COLLEGE OF SCIENCE, AKOLA
(Re-accredited with 'A' Grade by NAAC with CGPA 3.12)


In Collaboration with
GOVERNMENT COLLEGE OF EDUCATION (C.T.E.), AKOLA
Organizes
ONE MONTH ADD-ON PART TIME COURSE ON
DIGITAL SKILL DEVELOPMENT PROGRAM FOR STUDENT-TEACHER.
From 10th July to 08th August 2021








Dr. V. D. Nanoty
Principal & Convener



Dr. V. V. Deo
Principal I. C. G. C. E. Akola & Co-Convener



Dr. P. T. Agrawal
Organizing Secretary

FOCUS AREA

 <div style="background-color: #0056b3; color: white; padding: 5px;"> <p>Use of Google Drive.</p> <ul style="list-style-type: none"> • Create and demonstrate the Google Class Room for Teaching </div>  <p>Dr. A. G. Sarap Course Coordinator</p>	 <div style="background-color: #0056b3; color: white; padding: 5px;"> <p>Preparing Video of Teaching.</p> <ul style="list-style-type: none"> • Audio/Video Lectures Recording on Desktop/Laptop Using OBS Software. (PPT, Screen Recording, etc) • Audio/Video Lectures Recording, Editing, Cutting on Mobile phones using various . (PPT, Screen Recording, etc) </div>  <p>Prof. R. B. Ghyalkar Course Coordinator</p>	 <div style="background-color: #0056b3; color: white; padding: 5px;"> <p>Online Examination</p> <ul style="list-style-type: none"> • Conduct and Collection of Assignments using Google Form. • Auto Send Certificates instantly through Google Form using Certify'em </div>  <p>Dr. H. S. Malpani Course Coordinator</p>	 <div style="background-color: #0056b3; color: white; padding: 5px;"> <p>Online Tools for Teaching/Meeting/Conference.</p> <ul style="list-style-type: none"> • (Zoom app, Google Meet app, etc). • Creation of Educational YouTube Channel and uploading Videos. • Live Streaming on YouTube/Facebook Using OBS Software </div>  <p>Prof. S. R. Jaiswal Course Coordinator</p>
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Please Note:

- Participants have to follow this schedule.
- It is a digital resource; you may access it multiple times till your satisfaction and understanding.
- Certificate will issue to the participants within 10 days after completion of program.

Detail Report:

Name of the Activity: Online One-Month Add-On Course on ‘Digital Skills for Creative Student-Teachers (DISC)

OBJECTIVES:

1. To provide information and skill to the student-teachers about the various e-content.
2. To motivate the students to use e-content in their seminars
3. To Promote the generation of **e-Content** in all subjects
4. To make aware the student-teachers of various e-content & how can they be used in it to make their teaching-learning process more effective.
5. To make available the e-content to them through various delivery modes for formal and non-formal education, for supplementing and complementing teaching.


METHODOLOGY:

The whole world is facing the pandemic condition of covid-19. This situation affects the complete life of people. In such conditions, it is the duty of a teacher to boost the morale of the students. The situation teaches everyone that we should be ready for teaching- learning in all conditions because how can one stop the education of the students? For many years we are using the traditional methods of Blackboard for teaching it is quite difficult to switch towards the modern computerized method of teaching-learning. Teaching in an online environment requires a specific set of skills. Online teachings necessities moving beyond the traditional ideology. To adopt new more facilitative practices teachers needs training and support to be willing to adopt new teaching paradigm. In view of this Shri R.L.T.College of science faculty members have taken the initiative to arrange one such digital skill development program for the student of B.Ed. College who were soon going to become teachers. This course is designed to equip learners with essential digital skills for the modern century workplace.


The faculty development program was organized by Shri R. L.T. College from 10th July to 8th August 2021. In this program many wise digital skill development activities are there, like the opening of a Goggle account, google class, preparation of video lectures, etc. Assignments were also given so that there should be liveness in the programme. Our expert faculty by their videos or direct live teaching have explained all the concepts to the participants. Day-wise activity was there. This one-month programme helps all the students to develop digital skills without paying a single rupees for it during the pandemic condition of the corona.

OUTCOMES:

1. Total of 240 participants get benefited from this workshop which is actually a big outcome.
2. Students get aware of various digital skills of teaching-learning.
3. All round development of Teaching personality of student-teacher as Techno savvy is done.
4. At the end of this workshop participants should come to know....
 - How to open a Google account.
 - How to create our own google
 - How to assign the work, check the test in google class.How to create our video lectures.
5. Self-confidence is developed among the participants toward modern teaching.
6. They Come to know the different digital skills
7. Participants' teachers have developed their own e-content.


Head
& Organizing Secretary
Department of Chemistry
R. L. T. Science College Akola




Dr. R. L. Rahatgaonkar
IQAC Coordinator
Shri R. L. T. College of Science, Akola

2021-22

Department of Biochemistry

Online Guest lecture on Bioenergetics

Department of Biochemistry, Shri. R.L.T College of Science, Akola organized an online guest lecture of Dr. Pradip Satav for postgraduate Biochemistry students on 1st February, 2022. Dr. Pradip Satav is an assistant professor in Microbiology from Science College, Nanded. He delivered the lecture on Bioenergetics covering all basics and advanced thermodynamics derivations. Dr. V.D Nanoty, Principal Shri. R.L.T College of Science, Akola, graced the occasion and congratulated Dr. Pradip Satav for his lecture. Dr. H. S. Malpani, Head Department of Microbiology (Shri. R.L.T College of Science, Akola) administered the lecture. Ms. Sonali Gawande (Asst. Prof., Department of Microbiology, Shri. R.L.T College of Science, Akola) along with other staff of the department of Biochemistry and Microbiology attended the lecture. Around 25 students benefitted from the lecture.




Dr. H. S. Malpani
Asstt Professor & Head
Dept. of Microbiology
Shri R.L.T. College of Science, Akola

Department of Chemistry

(A) Seminar on “Job Opportunities in Industry”

Crystal Club of Department of Chemistry organized Seminar on Job opportunities in Industry for the Post graduation department of Chemistry and microbiology students. Mr. Prasad Pangarkar delivered the lecture on this topic.

A chemical engineer by profession, Mr. Prasad Pangarkar is an alumnus of RLT Akola. Mr Pangarkar graduated from LIT Nagpur. He completed his post-graduation from UDCT Mumbai and joined the industry. He has nearly two decades of industrial experience which spans in the domains of operations, technology, research, engineering & projects, process automation & business management.

He started his career at Reliance Industries Ltd at the Patalganga Manufacturing Division and has handled various projects in different capacities. After an initial stint in operations, he moved to the research & technology function. Among the various assignments handled by him, notable were the studies towards packed bed & CSTR reactor modelling, recovery of value added chemicals from residue, and effluent degradation studies of polycarboxylic acid. He later worked in the engineering & projects domain and was part of erection & commissioning of then one of the largest capacity purified terephthalic acid (PTA) plant. After completing his course from IIM-Bangalore he briefly worked in the capacity as executive assistant to the Technology & R&D head. Later he was associated with the management projects viz the business transformation at Reliance

He has represented at various seminars and conferences and has also contributed for a chapter on reactor design in the book ‘Design of Multiphase Reactors’ by Wiley Publications. He is the recipient of the ‘Outstanding Young Chemical Engineer’ award which was bestowed by the Indian Institute of Chemical Engineers. He has also received the National award i.e. the ‘NOCIL award for excellence in design or development of process, plant & equipment’ during the annual chemical engineering congress – CHEMCON-2011. He has a patent in his name on the same.

His interests lie in the field of new product development, scale-up and process automation. He is presently working at the Reliance Technology Centre of Excellence as group lead (Assistant Vice President) for process design, scale up and process automation projects.

Dr. V.D. Nanoty sir was the President of this Programme. DR. Poonam Agrawal, Head Department of the Chemistry was the organizing secretary of the functions. The programme was graced by the presence of Dr. P.P.Deohate, Associate Professor, Department of Chemistry, Dr. Harish Malpani,

[SSR/Criterion-II/ Teaching, Learning & Evaluation/ QIM-2.3.1]

HOD department of Microbiology and Dr. Aashish Sarap, Assistant Professor Department of chemistry. The Programme was conducted by Dr. Kavita Heda.

The Programme begins with the floral welcome of the guest.

The main part of the seminar is the speech of Shri Prasad Pangarkar. He captured the concentration of gathering by his effective lectures. In his lecture he explain various opportunities for the students in various industries, qualification require for such examinations and process of the applying for such jobs. Though a man of chemical Engineering he explain the importance and the vital role of the pure sciences in various industries. He motivated students for research work.

Overall the lecture was very fruitful for all the students. 65 students and seven research scholar of the department of chemistry and microbiology get benefited by this seminar.



(B) Online Atchem ... Aptitude Test in Chemistry

Please click on the following link to download the details report of the Online Atchem-Aptitude Test (2021-22):

Link: <https://www.rltsc.edu.in/wp-content/uploads/2021/12/Report-Aptitude-Test-in-Chemistry-2021-22-1.pdf>

OR

Scan QR Code:



Agrawal
Head

**Department of Chemistry
R. L. T. Science College Akola**

Department of Computer Science/IT & Electronics

(A) Online Guest Lecture On “Recent Trends in IT Industry for Career Perspectives”

Department of Computer Science and IT of Shri R.L. T. College of Science Akola MS has organized Guest Lecture for M.Sc. (Computer Science) P. G. students on “Recent Trends in Industry for Career Perspectives” dated 01-01-2022 (Saturday) at 12:30 pm.

Guest Lecture delivered by Resource person Ms Ashwini Gawai (Tajane) M.Tech(CS), Application Development Senior Analyst @ Accenture India [Multi National Company (MNC)]

Resource person has shared advanced requirements in IT companies like Agile, Azure DevOps, JIRA, and GIT tools which are recently demanded in IT Sector. She has also focused on Software Development as well as Soft Skill Development and interacted with students for solving their queries and doubts.

P. G Students of Computer Science benefited from this informative, interactive & immersive session.

Prof. R. G. Chavan (In-charged Principal) chairperson of the program has inaugurated and addressed the students, Mr. Ram B. Ghayalkar Asst. Professor Department of Computer Science has given a welcome speech and also conducted the session.



Mr. R. B. Ghayalkar
(Assistant Professor)
Organizer

Department of Computer Science & IT
Shri R. L. T. College of Science Akola

(B) Webinar on “Industry 4.0 & Current Technologies” (MoU Activity)

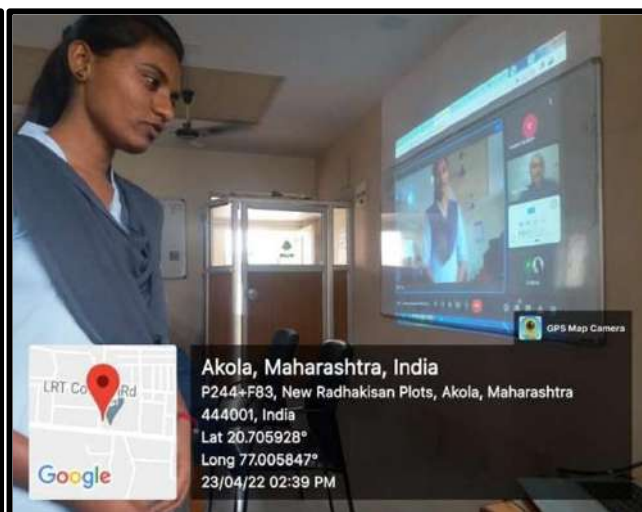
Department of Computer Science & IT of Shri R.L. T. College of Science Akola (MS) have organized Webinar on “Industry 4.0 & Current Technologies” for P.G. M.Sc. (Computer Science) as well as U.G. students on dated 23-04-2022 (Saturday) at 1:30 pm.

Resource person of this workshop was Mr. Vijay Tathe CEO of Microspectra, Spectramind & Vibrantmind Pvt. Ltd., Department /College has MoU with these companies. He has explained and make aware students to recent technologies like Artificial Intelligence (AI), Internet of Things (IOT), Cloud Computing Blockchain Technology Machine Learning etc.

Also Interactive session with students and solved their queries and doubts.

From this webinar students get benefited about Current Technologies, M.Sc.-I(Computer Science) students get knowledge about what should be the requirements as well as opportunities about next year project & Internship.

Mr. Ram B. Ghayalkar Assistant Professor department of Computer Science taken effort to arranged and conducted Webinar also teaching and non-teaching staff were present and participated to the success of this program.



Mr. R. B. Ghayalkar
(Assistant Professor)
Organizer

Department of Computer Science & IT
Shri R. L. T. College of Science Akola

(C)Workshop on “Career Opportunities in the Field of Mobile App Development (ICT)”

Department of Computer Science & Electronics In Collaboration with Career Counseling Cell & Alumni Association and IQAC of of Shri R.L. T. College of Science Akola (MS) have Organized Workshop on “Career Opportunities in the Field of Mobile App Development (ICT)” for U.G. And P. G. Students of our college on dated 09-04-2022 (Saturday) at 12:30 pm.

Resource person of this workshop was **Mr. Gopi R. Kabra**, Sr. Mobile App Developer at Alpha OBS LLP, Pune & he is also Alumni of Our College. He has shred tools like AndroidStudio, Kotlin, Flutter, React Native etc and technology require to development of Mobile Apps, also explain differences among Windows, Android & IOS App and their positions in IT market. Also focus on demand and career in the field of Mobile App development is highly salaried jobs and shared a way to develop this skill using different learning resources. At the last interaction with students and solved their queries and doubts.

In this workshop more than 50 students get benefited and gained knowledge in the fields of Mobile Apps developments and career opportunities.

The president of this workshop Dr. V. D. Nanoty (Principal) has inaugurated and addressed the students on academic flexibility and unemployment issues, Convener Prof. R. G. Chavan Associate Professor & Head Department of Electronics, IQAC Coordinator Dr. R.L. Rahatgaonkar were present, Organizing Secretary Mr. Rajesh D Chaudhari taken effort to organized this workshop , Coordinator Mr. Ram B. Ghayalkar taken effort to successfully conducted the workshop as well as concerning teachers and non-teaching staff were present.

Photo Gallery





R. B. Ghayalkar

Mr. R. B. Ghayalkar
(Assistant Professor)
Organizer

Department of Computer Science & IT
Shri R. L. T. College of Science Akola

Department of Electronics:

Workshop on Awareness programme of Mobile Radiation

Department of electronics and alumni association, Environment cell in collaboration with IQAC organised workshop on awareness programme on mobile radiation dated 30 september 2021 in digital classroom in our college. the Guest of honour our alumna Mrs. Renuka Digamber, Nagpur gives us the lecture in our college for teaching and non-teaching staff members with slides shows and videos about the radiation of mobile harmful for our human body.

She has then given us how to prevents that radiation by using MODI Care Chip on your mobile. then that radiation converts into other form of waves that are not harmful to our body.



R. D. Chaudhari

Mr. R. D. Chaudhari
Coordinator,
Dept. of Electronics

Department of Languages.

Online Guest lecture on ‘Social values and the Responsibility of youth towards Society and the Nation’

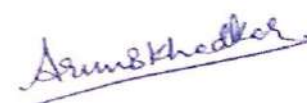
Code of conduct Monitoring committee in collaboration with the department of Languages and IQAC organized online guest lecture on the occasion of National Youth Day, 12th January 2022. The topic of the lecture was ‘Social values and the Responsibility of youth towards the Society and the Nation’. A key note speaker was Dr. Amar Singh; Professor and Head Department of English, Government College, Chand Chhindwara, Madhya Pradesh. Program was conducted on online platform through Google Meet and YouTube live streaming. Around 275 students registered their names and many more students as well as parents watched on YouTube.

The programme began at 12.00 noon by paying salutation and offering garlands with the hands of Principal Dr. Vijay D. Nanoty to portraits of Swami Vivekananda and Rajmata Jijau on their birth anniversary. Dr. Archana Sawarkar, Coordinator of programme, gave welcome and introductory speech. A key note speaker, Dr. Amar Singh guided the participants. He said that youth should have a clear vision to succeed in life and they should make success by developing constructive habits and work hard and never to give up. Dr. Singh urged students to adhere to values or value system established by our great Indian culture. He further gave allusions to many great people, stated the need for creativity in youths. He also urged parents to give limited facilities and more sacraments (Sanskar) to their wards. Students should have values and ethics so that they can return something to the society. In his presidential speech, Principal Dr. V. D. Nanoty told that, Swami Vivekananda grew up as the symbol of youth power. He reminded the popularized slogan of Swamiji ‘Arise! Awake! And stop not till the goal is reached.’ He also appealed the students and all stakeholders to follow the Code of Conduct given by college. Programme was anchored by Mr. Arun B. Khedkar and Mr. Shankesh Zyate proposed vote of thanks.

Dr. Archana Sawarkar worked as coordinator while Mr. Arun B. Khedkar worked as organizing Secretary. Organizing committee members Dr. Rashmi P. Joshi (Sawalkar), Mr. Shankesh Zyate and Mr. Shailesh Jaiswal worked for the success of the program.

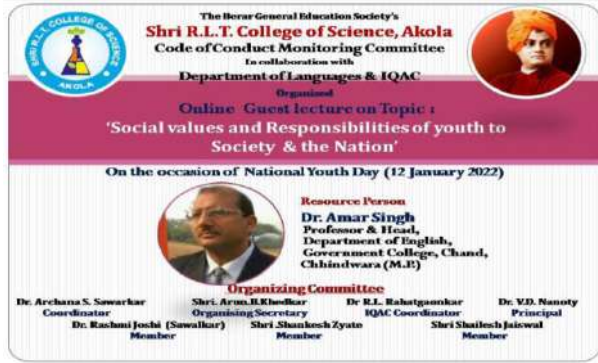
Google meet link— <http://meet.google.com/orz-zfpy-qdp>

YouTube link= <https://youtu.be/B61oUx8Nz00>



Mr.A.B . khedkar
Organising secretary
Asst.prof.in English

Photos of activity



Flex of Programme



Salutation to Swami Vivekananda and Rajmata Jijau



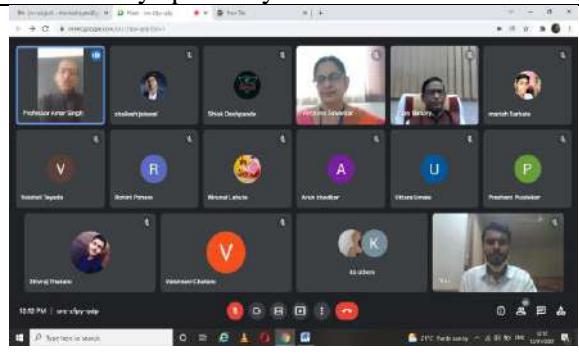
Anchoring by Mr. Arun B. Khedkar



Introductory speech by Dr. Archana Sawarkar



Guidance by Dr. Amar Singh




Presidential speech by Principal Dr. V. D. Nanoty




Vote of thanks by Mr. Shankesh Zyate

Department of Microbiology.

Online Inauguration of student's unit of microbiologist society India



The BGE Society's
Shri R.L.T. College of Science, Akola



Department of Microbiology
online inauguration of
students unit of microbiologist society India

Date 27/01/2021; Time 1:30pm

Inaugurator
Dr. A.M. Deshmukh
President, Microbiologist Society India

Chief Guest
Dr. S.D. Patankar
President Microbiologist Society India, Maharashtra State

President of Function
Dr. V.D. Nanoty
Principal, Shri R.L.T. College of Science, Akola

In Gracious Presence of
Dr. A.R. Deshpande, Dr. A.M. Garode, Dr. U.K. Bhalekar

Organizers
Dr. Harish S. Malpani
Ms. Sonali N. Gawande
& students of Department of Microbiology Shri R.L.T. College of Science, Akola

Schedule of Program

Sr. No.	Name	Event	Time
1	Ms. S. N. Gawande	Welcome and Introduction of Guest	1:30 - 1:35 pm
2	Dr. H. S. Malpani	Introductory Speech	1:35 - 1:45 pm
3	Dr. A. R. Deshpande	Speech 1	1:45 - 1:50 pm
4	Dr. S. D. Patankar	Speech 2	1: 50 - 2:00 pm
5	Dr. A. M. Deshmukh	Inaugural Speech	2:00 - 2: 10pm
6	Dr. V. D. Nanoty	Presidential Speech and Guidance to M.Sc. I year Students	2:10- 2:20pm
7	Ms. Naseem Ali	Vote Of thanks	2:20 - 2:25pm
Break			
	Dr. S. D. Patankar	Guest Lecture Topic -Carrier Opportunities in Microbiology	2:45- 3:15 pm

Google meet Link to join Event:- <https://meet.google.com/tho-zqta-zpk>



Department of Physics

Online Guest Lecture on the topic of “Laser and its applications”



The B. G. E. Society's
Shri R. L. T. College of Science, Akola.
Affiliated by Sant Gadge Baba Amravati University
Re-accredited with 'A' Grade by NAAC, Bangalore with CGPA 3.12
Civil Line Akola Ph. (0724) 2415480 (College website: www.rltsc.edu.in)



Department of Physics in Collaboration with IQAC
Organizes
Event-1: Online Guest Lecture
On the Occasion of National Science Day
Date: Monday 28th February 2022 Time: 01 pm to 02:30 pm
*****Guest Speaker*****
Dr. G. G. Muley
Professor & Head
Department of Physics
Sant Gadge Baba Amravati University, Amravati
TOPIC: “LASER & ITS APPLICATIONS”
AT DIGITAL CLASS ROOM
Registration Link <https://forms.gle/WiUcMuMalltrpGx06> YouTube Link <https://youtu.be/YdCov3oBLl0>

Event-2:
Demonstration of Astronomical Instruments
At Physics Department Time: 2:30 pm to 4 pm
*****Organising Committee*****
Dr. V. D. Nanoty Principal
Chairperson & Inaugurator
Dr. R. L. Rahtgaonkar IQAC Coordinator
Shri P. P. Gedam Convener/Asst. Professor
Dept. of Physics
Dr. R. M. Agrawal Co-convener/Asst. Professor
Dept. of Physics
Shri S. R. Jaiswal Coordinator/Asst. Professor
Dept. of Physics

Report: Department of Physics in collaboration with IQAC, Shri R. L. T. College of Science, Akola, celebrated National Science Day and organized Online Guest Lecture on the topic of “Laser and its applications”. Dr. G. G. Muley, Professor & Head, Dept. of Physics, Sant Gadge Baba Amravati University, Amravati, was a guest speaker. Dr. V. D. Nanoty was a chairperson and Inaugurator of the program. Dr. R. L. Rahtgaonkar, IQAC Coordinator, and Dr. P. T. Agrawal Head Dept. of Chemistry were present for that program. Shri P. P. Gedam and Dr. R. M. Agrawal worked as a convener and co-convener and Shri S. R. Jaiswal worked as a coordinator of this program. In this

[SSR/Criterion-II/ Teaching, Learning & Evaluation/ QIM-2.3.1]

program, nearly 150 participants have participated in online/offline mode through Google Meet and YouTube Live

Please click the following links to know more details about it.

YouTube (Live):

<https://youtu.be/YdCov3oBLIo>

Link of Registered Participants:

https://drive.google.com/file/d/1KYnjobfPDEOhN_UmI8pz3Z5rksBa1_5J/view?usp=sharing



Shri S. R. Jaiswal
Coordinator
Shri R. L. T. College o Science, Akola



Dr. V. D. Nanoty
Principal
Shri R. L. T. College o Science, Akola

Department of Physical Education

Online activities conducted by the Department of Physical Education and Sport:

- (A) International Day of Yoga (Online Quiz and Practical Session)
- (B) Online National Level Program on Physical Fitness (PFSAP)
- (C) Online National Level Yoga Workshop Cum Seminar


For the full report of the all above online activities please click on the following link given below:

Link: <https://www.rltsc.edu.in/wp-content/uploads/2022/06/DPES-Report-2021-2022.pdf>

OR

Scan the QR Code:




(Dr. R. D. Chandrawanshi)
Director of Sports &
Physical Education
Shri R.L.T. College of Science, Akola

Department of Zoology

(A) Mobile Photography Competition

The image shows two promotional posters for a Mobile Photography Competition. The left poster is titled 'Mobile Photography Competition' and is for 'Celebrating World Photography Day | 19 August'. It includes the date 'Friday, August 27, 2021 | 1:00 pm' and a 'Call for mobile captured photos' on the theme of 'Biodiversity and Environmental Impacts'. It provides a submission link: <https://forms.gle/iD1bxMkHrNyXUsCYA> and lists submission rules: only one photo per person, taken with a mobile phone, submitted by August 25, 2021, and a jury reserve the right to not accept photos that do not fit the theme. It is organized by the Department of Zoology, IQAC, Shri R.L.T. College of Science, Akola, and contact Dr. S. M. Nagrale at 9970322456. The right poster is titled 'Mobile Photography Competition' and is for 'Celebrating World Photography Day | 19 August'. It includes the date 'Friday, August 27, 2021 | 1:00 pm' and 'Congratulations !!!' for the 'Results of Mobile Photography Competition on theme Biodiversity and Environmental Impacts'. It lists the winners: 1st winner: Rushabh Ingele, 2nd winner: Sanskruti Bawaskar, 3rd winner: Atharva Sawalkar, and Consolation Prize: Ujwal Patel. It is organized by the Department of Zoology, IQAC, Shri R.L.T. College of Science, Akola, and contact Dr. S. M. Nagrale at 9970322456.

MOBILE PHOTOGRAPHY COMPETITION (27/8/2021)

On the occasion of World Photography Day (19 August), Department of Zoology organized Online Competition on Mobile Photography. Theme of Mobile Photography competition was Biodiversity and Environmental Impact. Students were called for submission of Photographs on link <https://forms.gle/iD1bxMkHrNyXUsCYA> on or before 19th August to 25th August 2021. Over all 37 photographs selected as per the theme. Results were declared on 27 August 2021 by selection of 1st, 2nd, 3rd and consolation prize. List of winner are Mr Rushabh Ingele-1st winner,

Sanskruti Bawaskar-2nd winner, Atrava Sawalkar- 3rd winner and Ujwal Patel –consolation. Mr. Kushal Senad and Mr. Shailendra Madavi worked as a Jury for the selection of winning Photographs.

Online event coordinated by Dr. S. M. Nagrale, HOD Zoology and technical support provided by Dr. R.P. Joshi (Sawalkar) and other teaching staff Dr. A.S. Sawalkar, Dr. S.R. Kohchale and Dr. R.L.Rahatgaonkar were provide supports for success of the events.

(B) Virtual Wild Life Conservation Week Program**WILD LIFE CONSERVATION WEEK PROGRAM: (2-8 October 2021)**

Sr. No.	Date	Name of the Event	Coordinator / Teacher In-Charge
1	2 nd to 5 th Oct.2021	Poster presentation on theme “WILD LIFE”	Dr. S.M. Nagrale
2	2 nd to 5 th Oct. 2021	Essay writing My Favourite Wild Animal	Dr. A.S. Sawarkar and Dr. S.R.Kohchale
3	2 nd to 5 th Oct. 2021	Rangoli Competition on Theme ‘ Impact of Deforestation on Wildlife’	Dr. Rashmi P. Joshi (Sawalkar)
4	6 th to 7 th Oct. 2021	Quiz Competition on “Wild Life Conservation”	Dr. Rashmi P. Joshi & Dr. S.M. Nagrale
5	8 th Oct 2021	Results of the events conducted was declared.	---

1. Poster presentation on the theme “WILD LIFE”.

ZEBRA Cell, Department of Zoology celebrated **World Wildlife Week- 2021** by organizing **Virtual Poster Competition** on the topic: “Wild life ”. The activity was conducted for all the BSc students to create awareness about wild life conservation and to aware the students about the wildlife. The competition was conducted Dr. S.M. Nagrale by the technical support of Dr. Rashmi P. Joshi (Sawalkar). It was a small effort to create nature love and wild life conservation in the young hearts of the students. Best posters were selected for the certificates and prizes. The winners list and result was declared on last day of week, i.e. 7/10/2021.

2. Essay writing Competition on Topic: My Favourite Wild Life

Virtual Essay Competition organized on the topic: “My Favourite Wild Life”. The activity was conducted for all the BSc students to create awareness about wild life conservation. The competition was conducted online by Dr. A.S. Sawarkar and Dr. S.R.Kohchale. It was a small effort to create writing skill about wild life in the young hearts of the students. Best essay were selected for the certificates and prizes.

3. Rangoli Competition on Theme ‘ Impact of Deforestation on Wildlife’

Virtual Rangoli Competition was conducted on Theme ‘**Impact of Deforestation on Wildlife’**. The activity was conducted for all the BSc students to create awareness about wild life conservation through rangoli exhibition. The competition was organized by Dr. Rashmi P. Joshi (Sawalkar). It was a skill full and innovative effort to create wild life conservation passion in the students. Best rangoli were selected for the certificates and prizes.

4. Quiz Competition on Wild life Conservation

On the occasion of celebration of Wildlife conservation week, on 6th and 7th October 2021, Department organised online **Quiz Competition on theme ‘Wildlife Conservation’**. More than

70 students participate in competition. Students solved the online quiz provided by Google form. Students were awarded by certificate and prizes

***1. Poster Presentation** - Date: 2nd- 5th October 2021*
Co-ordinator: Dr S.M. Nagrale (Mob.no. 9370322456)
Instructions:
1. Prepared poster on the theme: "Wild-life"
2. After completion of the poster, click its photo, convert it to PDF and upload it on the given google form Link.

***2. Essay Writing** - Date: 2nd- 5th October 2021*
Co-ordinator:
Dr. Archana S. Sawarkar (Mob.no. 9850141186) & Dr. Sudhir R. Kohchale
Instructions:
1. Write an essay on the given topic: "My Favourite wild Animal"
2. Only one entry is allowed.
3. Write an essay in 1000 words.
4. Upload your handwritten essay on given google form Link

3. Rangoli Competition - Date: 2nd to 5th October 2021
Theme: Impact of Deforestation On Wildlife
Co-ordinator: Dr Rashmi Joshi Sawalkar (Mob.no. 9923074666)
Instructions:
1. Rangoli of any Wild Animal
2. After completion of Rangoli , click its photo with you in Geotag app and upload it on the given google form Link.
3. Result will be declared on 8th October 2021.

4. Quiz Competition - Date: 6th October 2021
Co-ordinators: Dr Rashmi Joshi Sawalkar & Dr S.M. Nagrale
The link for the Quiz is given below and the responses will be open for 2 days, at 6th and 7th October 2021 <https://forms.gle/BKwzLaKLR6v8FwrX6>


Attractive Prizes for winners.

Google Form Link for registration and to upload your material:
<https://forms.gle/iaSwoayVkn7mNrWW7>

(C) GUEST LECTURE: NISARGA KATTA (4/1/2022)

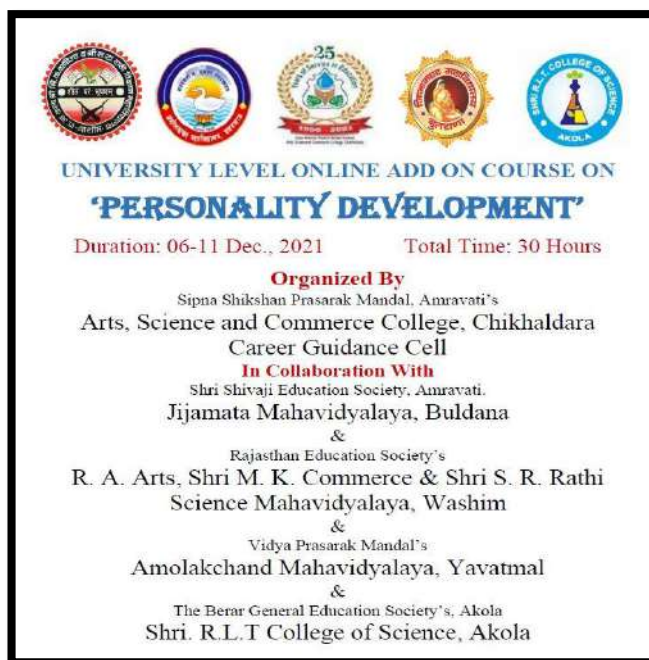
Department visited by NGO Nisarga Katta, Founder Mr Amol Savant sir and member Dr. Milind Shirbhate, Department of Zoology, Shankarlal Khandelwal Mahavidyala, Akola for Nature Calender distribution. On this occasion Department organized Guest Lecture on Nature, Wildlife and Environment awareness programme for PG Students of Zoology. Dr. Milind Shirbhate guided about student's role in Nature, Wildlife and Environment Conservation. Mr Amol Savant guided about NGO role in Students development, empowerment and wildlife conservation. Dr. S.M. Nagrale also guided students about wildlife Projects, Nature and Environment protection acts. Program was conducted by Dr. S.R. Kohchale and teaching staff Dr. A.S. Sawarkar, Dr. R.L. Rahatgoankar, Dr. R.P. Joshi Sawalkar, CHB staff and all PG Students were present for the programme.




Dr. Sushil M. Nagrate
Head,
Dept. of Zoology,
Shri R.L.T. College of Science
AKOLA

Activities under IQAC

University Level Online Add-on Course on Personality Development



Career Guidance Cell, Arts, Science and Commerce College, Chikhaldara is organizing Online Add On Course On 'Personality Development' in collaboration with Jijamata Mahavidyalaya, Buldana; R. A. Arts, Shri M. K. Commerce & Shri S. R. Rathi Science Mahavidyalaya, Washim; Amolakchand Mahavidyalaya, Yavatmal and Shri. R.L.T College of Science, Akola for all the students who are studying in the Sant Gadge Baba Amravati University, Amravati. Well known resource persons are invited for this course. This course is going to be life improving experience for all the participants.

The main objectives of the course are:

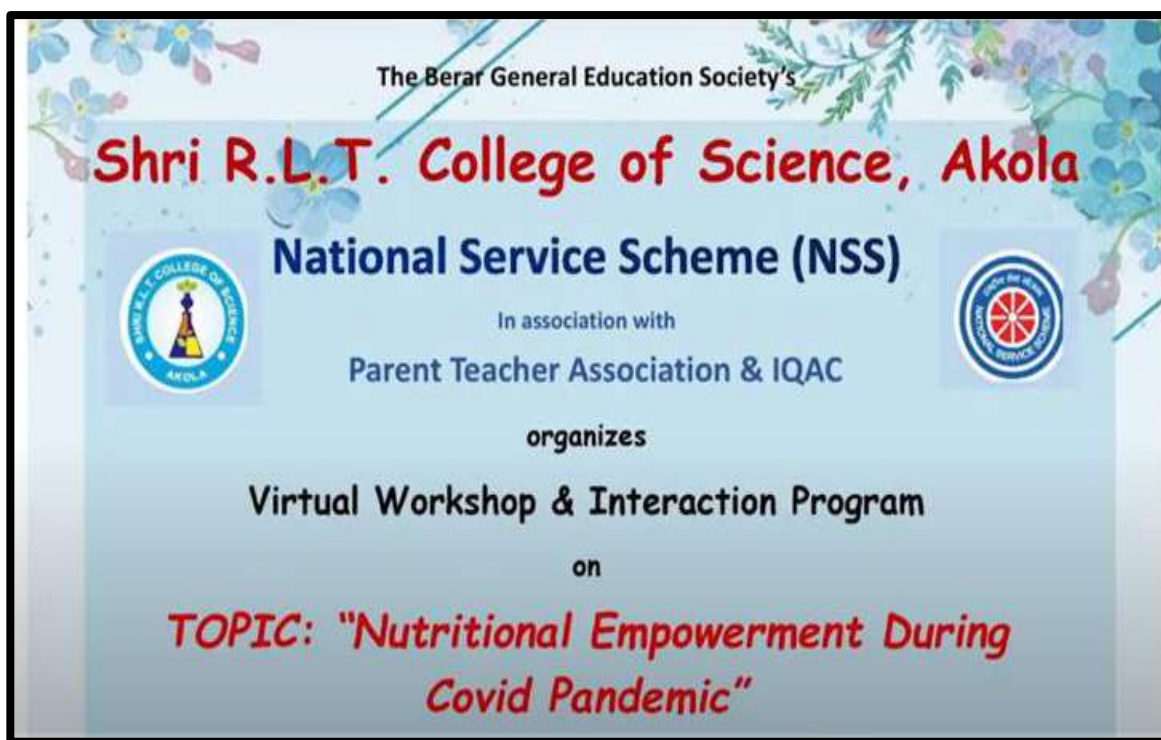
- To develop personality
- To inculcate positive thinking
- To develop life skills
- To inculcate employability skills
- To inculcate entrepreneurship skills



Dr. R. L. Rahatgaonkar
IQAC Coordinator
Shri R. L. T. College of Science, Akola

Activities Under NSS

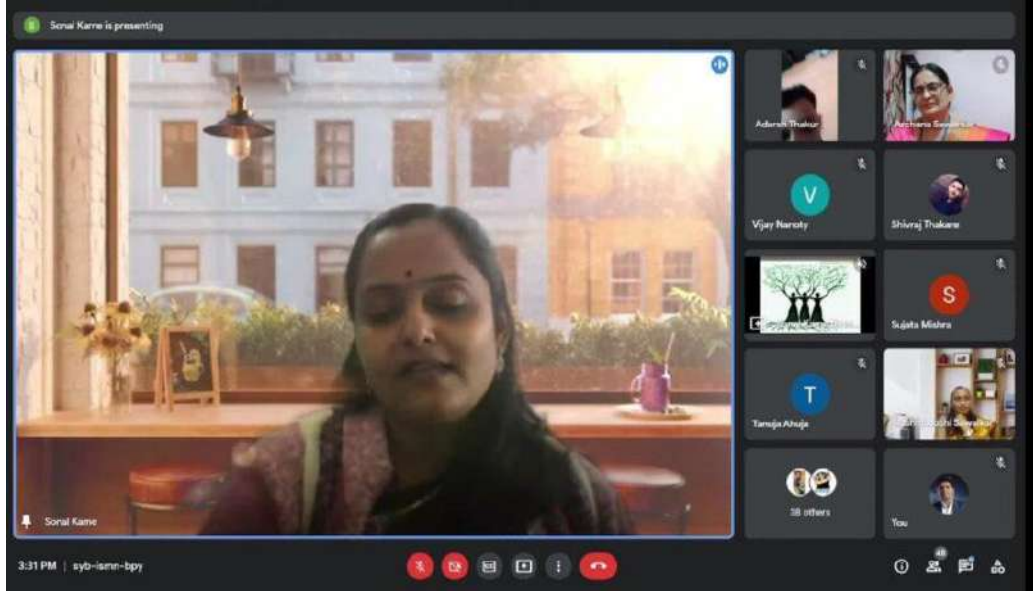
Virtual Workshop & Interaction Program on TOPIC: “Nutritional Empowerment During Covid Pandemic”



Report: Today on 12/01/22 “National Youth Day” the N.S.S. unit of Shri R.L.T. College of Science, Akola in association with Parent Teachers Association Committee & IQAC organized a workshop and an interactive session on “Nutritional Empowerment During Covid Pandemic” for parents and students. The Guest Speaker was Miss Sonal Kame Ambere, Assistant professor, Home Science, Smt. RDG College fir Women Akola. The workshop was organized for todays youth and the guest speaker guided them about healthy food n nutrition to keep them fit in this Covid Pandemic. About 209 student and parent participants had registered for the workshop. The interactive session was very good. Many students and parents discussed with the guest speaker about their doubts. Principal, Dr V. D. Nanoty presided the inaugural function and he guided the participants about the values and good things that, How the youth should be? The NSS program officer Dr. Rashmi Joshi, Coordinator of the Program, Dr. A. S. Sawarkar, coordinator of Parents teachers Association, Mr. Shailesh Jaiswal member of organizing committee took efforts and worked hard for the success of workshop. The interactive session was successful.

YouTube Link: <https://youtu.be/ja4F3hRxM48>

Photo Gallery



डॉ. रश्मी सावलकर (जोशी)
कार्यक्रम अधिकारी (रा.से.यो.)
श्री.रा.ल.तो.विज्ञान महाविद्यालय, अकोला



Dr. R. L. Rahatgaonkar
IQAC Coordinator
Shri R. L. T. College of Science, Akola

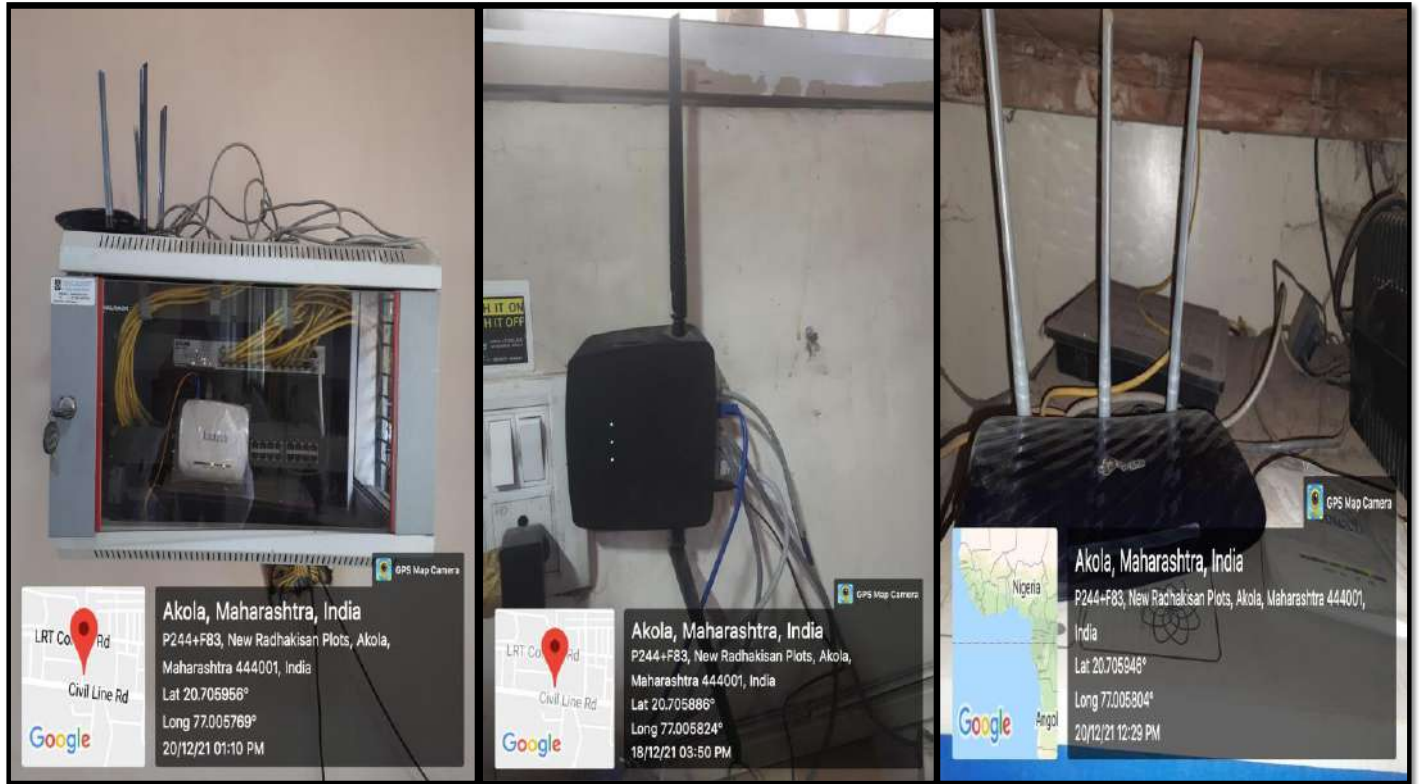
TEACHERS USE ICT-ENABLED TOOLS FOR AN EFFECTIVE TEACHING-LEARNING PROCESS.

The Number of Classrooms and Seminar Halls with ICT- Enabled Facilities Such as Innovative Classes in the College.

Sr. No.	Room number or Name of classrooms/Seminar Hall with LCD / Wi-Fi/LAN facilities	Type of ICT facility	Link to geo-tagged photos and master timetable
1	Room number 18 (Smart classroom)	LCD projector, touch screen & Stylus, microphone, internet	https://www.rltsc.edu.in/wp-content/uploads/2021/12/Room-no-18-scaled.jpg
2	Auditorium hall	LCD projector, big screen, music system, internet	https://www.rltsc.edu.in/wp-content/uploads/2021/12/Auditorium-scaled.jpg
3	Digital classroom 1	LCD projector, screen, audio system, Internet	https://www.rltsc.edu.in/wp-content/uploads/2021/12/Digital-Class-Room-01-scaled.jpg
4	Digital classroom 2	LCD projector,screen,audio system,internet	https://www.rltsc.edu.in/wp-content/uploads/2021/12/Digital-Class-Room-02-scaled.jpg
5	Digital classroom 3	LCD projector,screen,audio system,internet,video recording	https://www.rltsc.edu.in/wp-content/uploads/2021/12/Digital-Class-Room-03.jpg
6	Biochemistry Lab	LCD projector,screen,,internet	https://www.rltsc.edu.in/wp-content/uploads/2021/12/Bio-chemistry-Lab-scaled.jpg

[SSR/Criterion-II/ Teaching, Learning & Evaluation/ QIM-2.3.1]

7	Botany Lab	LCD projector,screen,,internet	https://www.rltsc.edu.in/wp-content/uploads/2021/12/Botany-Lab-scaled.jpg
8	Chemistry LAB	LCD projector,screen,,internet	https://www.rltsc.edu.in/wp-content/uploads/2021/12/Chemistry-LAB-scaled.jpg
9	Computer Science Lab	LCD projector,screen,,internet	https://www.rltsc.edu.in/wp-content/uploads/2021/12/Computer-Science-Lab-scaled.jpg
10	Electronics Lab	LCD projector,screen,,internet	https://www.rltsc.edu.in/wp-content/uploads/2021/12/Electronics-Lab-scaled.jpg
11	IT Lab	LCD projector,screen,,internet	https://www.rltsc.edu.in/wp-content/uploads/2021/12/IT-Lab-scaled.jpg
12	Maths Dept	LCD projector,screen,,internet	https://www.rltsc.edu.in/wp-content/uploads/2021/12/Maths-Dept-scaled.jpg
13	Microbiology Lab	LCD projector,screen,,internet	https://www.rltsc.edu.in/wp-content/uploads/2021/12/Microbiology-Lab-scaled.jpg
14	Physics Lab	LCD projector,screen,,internet	https://www.rltsc.edu.in/wp-content/uploads/2021/12/Physics-Lab-scaled.jpg
15	Zoology Lab	LCD projector,screen,,internet	https://www.rltsc.edu.in/wp-content/uploads/2021/12/Zoology-Lab-scaled.jpg



Some Internet Fibre optic Broadband on the college campus

The Berar General Education Society's, Akola
(Regd. No. F65 B'bay Public Trust Act.)



SHRI RADHAKISAN LAXMINARAYAN TOSHNIWAL COLLEGE OF SCIENCE, AKOLA
(R.L.T. COLLEGE OF SCIENCE)
CIVIL LINES, AKOLA - 444 001 (MAHARASHTRA)

: Recognized By :

Govt. of Maharashtra & Permanently Affiliated to S. G. B. Amravati University, Amravati.

Ph. No. 0724 - 2415480
Ph. No. 0724 - 2415650
Post Box No.60

NAAC REACCREDITED
GRADE 'A'
WITH CGPA - 3.12

COLLEGE CODE - 210

www.rltsc.edu.in

E-mail: rltcollegeakola@gmail.com


L.No.: _____

Date: 07-10-21

List of Computers

Name of Department	Desktop	Laptop
Chemistry	5	4
Physics	4	1
Mathematics	1	1
Botany	3	1
Zoology	4	
Microbiology	4	2
Bio-Chemistry	1	
Bio Informatics	12	
Computer Science	34	
IFT	15	1
Electronics	3	
Physical Education	2	2
Language	1	
Library	11	
Office	12	1
IQAC	1	
Exam Section	1	
Total	114	13

More over all computers are of i3/ i5 Processor Computer Systems


Principal
Shri R.L.T. College of Science
Civil Lines, AKOLA (M.S.)

VIRTUAL CLASSROOMS AND E-CONTENT FOR UG & PG STUDENTS

Sr. No.	Name of the Department	Link of E-Content
1	Botany	https://www.rltsc.edu.in/botany-department/#e-Content
2	Chemistry	https://www.rltsc.edu.in/chemistry-department/#e-Content
3	Computer Sci./IT	https://www.rltsc.edu.in/computer-science-it/#e-Content
4	Electronics	https://www.rltsc.edu.in/department-of-electronics/#e-Content
5	Language	https://www.rltsc.edu.in/language-department/#e-Content
6	Mathematics	https://www.rltsc.edu.in/maths-department/#e-Content
7	Microbiology /Biochemistry	https://www.rltsc.edu.in/microbiology-department/#e-Content
8	Physics	https://www.rltsc.edu.in/physics/#e-Content
9	Physical Edu.	https://www.rltsc.edu.in/physical-education/#e-Content
10	Zoology	https://www.rltsc.edu.in/zoology-department/#e-Content

Use of Amrita virtual Laboratory

10/7/2020

Yahoo Mail - Virtual Lab nodal center program

Virtual Lab nodal center program

From: Virtual Labs (virtual_labs@am.amrita.edu)

To: panagpure@shivajiscamt.org; nagpurepa@yahoo.co.in; wsbarde@shivajiscamt.org;
wamanbarde81@gmail.com

Date: Monday, 13 January, 2020, 03:15 pm IST

Dear Sir/Madam,

Greetings from Amrita Virtual Labs!

This is to inform you that your institute " **Shri Shivaji Science College, Amravati**" has been selected for Virtua Lab nodal centre program (Nodal coordinators are **Dr. Pankaj A. Nagpure** and **Dr. Waman S. Barde**). Institute name will be displayed on the [Amrita virtual lab website](#) as well as the [main website](#), upon using the virtual labs. You can submit the list of students/faculty member in the prescribed format ([click here](#)) for getting unique login IDs for accessing virtual labs.

Click [here](#) to know about the virtual lab nodal center program.

Workshop and hands-on training program: As part of virtual lab outreach activities, Amrita virtual lab team conducting hands-on training to new users free of cost.

Here are the procedures for conducting a workshop.

- A nodal centre has to organise the Workshop at their institute.
- The number of participants must be above 50 (including faculty members and students).

Facilitating condition

- Computer lab facility with an internet connection should be available for the hands-on session (each participant can access individual computer).
- Projector/screen, mike and speakers - For the presentation and demonstration of the virtual lab.

Note: TA, local transportations and accommodation have to provide for the VALUE team.

Feel free to contact us for any queries.

Thanks & Regards
VALUE Team

Virtual Amrita Laboratories Universalizing Education
Amrita Vishwa Vidyapeetham

[/AmritaVirtualLabs](#)

[/amritavirtuallabs](#)

[/amritaviab](#)

[/AmritaVLabs](#)

<http://vlab.amrita.edu/>
0476-280-4528, 09446007135

**Link of MOU between
Department of Physics, Shri Shivaji Science College, Amravati and
Department of Physics, Shri R. L. T. College of Science, Akola**

<https://www.rltsc.edu.in/wp-content/uploads/2022/07/MOU-SSC-RLT.pdf>

	Column 1	Column 2	Column 3	Column 4
Sr. N.	Experiments selected from amrita.vlab.co.in	Course, Batch and Year of students using experiments	No of students using experiments	Frequency of usage per week
1	a. Mechanics Virtual Lab (Pilot) b. Advanced Mechanics Virtual Lab c. Electric Circuits Virtual Lab (Pilot)	B.Sc. Semester I and Semester II	100	1 hours per week
2	a. Electricity & Magnetism Virtual Lab b. Optics Virtual Lab c. Heat & Thermodynamics Virtual Lab	B.Sc. Semester III and Semester IV	100	1 hours per week
3	a. Laser Optics Virtual Lab b. Solid State Physics Virtual Lab c. Modern Physics Virtual Lab d. Harmonic Motion and Waves Virtual Lab	B.Sc. Semester V and Semester VI	100	1 hours per week
4	All Physical Sciences Virtual Labs	M.Sc. Semester I, Semester II	30	1 hours per week

SHRI R. L. T. COLLEGE OF SCIENCE, AKOLA**Guardian Teacher Scheme**

List of Teacher Guardian with Google Class Room Code
e-Pathshala Online Teaching Platform (Session: 2020-2021)

Degree College (Teacher Guardian)					
Sr. No	Name of the Teachers	Designation	Google Class	Batches	Class Room Code
01	Mrs. V. N. Badgular	Asst. Professor	B.Sc.-I	B5 (1-60), B7	6k3hdka
02	Dr. S. R. Kohchale	Asst. Professor	B.Sc.-I	B3, B6	lh5x7y5
03	Dr. R. L. Rahtgonkar	Asst. Professor	B.Sc.-I	B5 (61-120)	b4kcv6t
04	Shri S. V. Madavi	Asst. Professor	B.Sc.-I	B5 (120 onwards)	ruu3o3r
05	Dr. V. D. Deotale	Asst. Professor	B.Sc.-I	B1, B2	3n5vri7
06	Dr. R. M. Agrawal	Asst. Professor	B.Sc.-I	P4 (1-50)	3rw6uhc
07	Shri R. D. Choudhary	Asst. Professor	B.Sc.-I	P1, P3	o2qjth6
08	Shri R. B. Ghayalkar	Asst. Professor	B.Sc.-I	P2, P6	jnqpais
09	Dr. A. G. Sarap	Asst. Professor	B.Sc.-I	P4 (51 onwards)	bkg3yd7
10	Shri A. B. Khedkar	Asst. Professor	B.Sc.-I	P5	ecspdwn
11	Miss. S. N. Gawande	Asst. Professor	B.Sc.-II	B1, B2	wfyi34w
12	Dr. A. S. Sawarkar	Asso. Professor	B.Sc.-II	B5 (1-70)	r4wzjhp
13	Dr. P. R. Kawale	Asst. Professor	B.Sc.-II	B6, B7	mqvto3t
14	Dr. K. M. Heda	Asst. Professor	B.Sc.-II	B3	j5bvqqb
15	Dr. A. A. Sangole	Asst. Professor	B.Sc.-II	B5 (71 onwards)	utafeai
16	Shri P. P. Gedam	Asst. Professor	B.Sc.-II	P1, P4	iclqnjs
17	Mrs. R. A. Chandak	Asst. Professor	B.Sc.-II	P2, P3, P5, P6	xuzj4xn
18	Dr. S. M. Nagrale	Asso. Professor	B.Sc.-III	B3, B6	m6u54p3
19	Dr. P. P. Deohate	Asso. Professor	B.Sc.-III	B1, B2	a5so7jg
20	Dr. P. M. Khadse	Asst. Professor	B.Sc.-III	B5(91 onward), B7	l25dvhi
21	Dr. R. P. Joshi	Asst. Professor	B.Sc.-III	B5 (1-90)	kfb26wx
22	Shri S. C. Zyate	Asst. Professor	B.Sc.-III	P4 (51 onwards)	qneyglv
23	Shri R. G. Chavan	Asso. Professor	B.Sc.-III	P1, P3	x4ryck6
24	Shri S. R. Jaiswal	Asst. Professor	B.Sc.-III	P4 (1-50), P5	zxzy4hp
25	Dr. S. L. Munde	Asst. Professor	B.Sc.-III	P2, P6	oeovmye
Post Graduated Programed (Teacher Guardian)					
26	Dr. S. B. Tadam	Asst. Professor	M.Sc.-I (Mathematics)		z27qyli
			M.Sc.-II (Mathematics)		hkm4wl4
27	Dr. P. T. Agrawal	Asso. Professor	M.Sc.-I (Chemistry)		gny3d6c
			M.Sc.-II (Chemistry)		np34ymz
28	Dr. H. S. Malpani	Asst. Professor	M.Sc.-I (Microbiology)		y5tcctk
			M.Sc.-II (Microbiology)		v2hrubt
Diploma/Certificate Courses (Teacher Guardian)					
1.	Shri S. R. Jaiswal	Asst. Professor	Dip. Course in Astronomy		bx4006
2.	Dr. R. P. Joshi	Asst. Professor	Dip. Course in Sericulture		Google Meet
3.	Dr. H. S. Malpani	Asst. Professor	CCLT		Google Meet

PART-II

EXPERIENTIAL LEARNING:

- **Study/Educational/Industrial
Tour Report.**
- **Project Work: Mini project/
Major Project/ Field
Project/Internship**

2017-18

Department of Botany

Study tour at Biotechnology Centre PDKV, Akola

A study tour for B.Sc.-II and III (Sem-IV& VI) students to visit the Biotechnology Center PDKV Akola was held by Botany Department on **15/02/2018**. Biotechnology has a wide range of procedures for modifying living organisms. It also helps to the improvement of the value of materials and organisms. The students reached approximately noon to the PDKV Akola at. In the Biotechnology laboratory, students observed and get information about tissue culture, greenhouse, and playhouse. Dr. Chauhan from PDKV Dept. gave detailed information about the plant tissue culture technique and procedure and also give details of the playhouse and greenhouse effects on the plant.

The Tour In charge Teachers Mr. P. M. Khadse, Dr. A. A. Sangole, HOD, Mrs. V. N. Badgujar, and Mr. S. V. Madavi was present. Shri. G.P. Sharma and Shri Rajesh Dandnaik, (Lab attendant) accompanied the students. 195 students participated in the tour.



Dr. P.M. Khadse



Head,
Department of Botany
R.L.T College of Science
AKOLA

Photo Gallery



Department of Chemistry

Visit Adarsha Goseva Evam Anusandhan Prakalp, Mhaispur

In order to inculcate scientific temperament among the students, college always encourage for the visit to industry as a study tour of UG students. The department of chemistry organised industrial tour of B.Sc.-II (B1 batch) students to Adarsha Goseva Evam Anusandhan Prakalp, Mhaispur on Saturday, 24/02/2018. The journey of the tour was started at 10.30 am after the address of the Hon'ble Principal Dr. V. D. Nanoty and Respected Dr. P. T. Agrawal, Head, Department of Chemistry to the students participants and reached to plant at 11.00 pm. Mr. Ramakant Bhopale, Manager of Adarsha Goseva Evam Anusandhan Prakalp had explained the working of the plant and rehabilitation of indigenous breed cow and also explained the laboratory process of manufacturing ayurvedic medicinal products, cosmetics, ointment, syrup, soaps and some other products from cow urine and cow dung. All the students and teachers namely Dr. P. R. Kawle, Incharge of tour, Prof. Sankesh Zyate, Prof. Vinod Teotale, Ms. Divya Santani were visited the plant where got useful information of how the material brought into the shape of soap bar and undergoes wrapping and packing and medicines were prepared from cow urine with handy machine. Storage of urine and dung was a challenging work used for the preparation of fertilizers. During journey all the students and staff visited rudrayani temple where all had breakfast and took lunch at at 4.00 pm. Total 38 students from B.Sc.-II, Chemistry had participated in tour along with four teaching staff member including **Dr. Pravin Kawle**, Incharge, Educational Tour, Prof. Sankesh Zyate, Prof. Vinod Teotale, Ms. Divya Santani as well as the Mr. Anurag Joshi of the non teaching staff members.


This active plan of tour was arrange with support and guidance of **Dr. P. T. Agrawal**, Head, Department of Chemistry and **Dr. V. D. Nanoty**, Principal, Shri R.L. T. college of Science, Akola.

List of Students:

Sr. No.	Name of the Students
1	Ms. ANJALI BABA YADAV
2	Ms. ANOMA SHYAM AWACHAR
3	Ms. ARUBA SYED MUMTAZ ALI
4	Ms. ASHVINI ARUN DHENGE
5	Ms. ASHWINI DAULAT BHAGAT
6	Ms. BHAVIKA BRAHMANAND KATARIYA
7	Ms. MEDHA GAJANAN BHARATE
8	Ms. NAMRATA RAJKUMAR RATHI
9	Ms. NIKITA SATISH LAKADE
10	Ms. NISHA MUKESH MOTWANI
11	Ms. POONAM SUNIL SHETE
12	Ms. PRANITA JAYANT PATIL
13	Ms. PRIYA SURESH BHALTILAK
14	Ms. PRUTHA PRAMOD AGNIHOTRI
15	Ms. RADHIKA KISHOR LAHOTI
16	Ms. RADHIKA NARAYANRAO BUTE
17	Ms. MEDHA GAJANAN BHARATE
18	Ms. ROSHNI CHHAGAN KADAM
19	Ms. SAKSHI SAMEER PARASHAR
20	Ms. SHITAL PRAMOD GANOJE
21	Ms. SNEHA PRAKASH JADHAV
22	Ms. SUHUBHANGI SANJAY RAJGURU
23	Ms. SUNAINANA SUNIL BATHE
24	Ms. SUYESHA SUDHAKAR HADOLE
25	Ms. VAISHNAVI NIRANJAN SHARMA
26	Ms. VIDHYA DINKAR ASOLKAR
27	Mr. ANIKET GAJANAN THAKARE
28	Mr. HRISHIKESH ASHOK GADEKAR
29	Mr. MAYUR BHANUDAS INGLE
30	Mr. PRATIK MOHAN DHANUKA
31	
32	
Sr. No.	Name of the Teachers
1.	Dr. Pravin R. Kawle
2.	Mr. Swapnil Ingle
3.	Mr. Rohan Shirsat
4.	Ms. Ankita Kabra
5.	Ms. Khyatishree Yadav
6.	



Mr. Ramakant Bhopale, Manager, Adarsha Goseva Evam Anusandhan Prakalp had explained working of the plant, Dr. Pravin Kawle, Incharge, Educational Tour, Prof. Sankesh Zyate, Prof. Vinod Teotale, Ms. Divya Santani as well as Mr. Anurag Joshi of the non teaching staff and all the students were posing for a snap at outside of the plant.


Incharge
GAT-15-20




Head
Department of Chemistry
R. L. T. Science College Akola

Department of Microbiology

In the session 2017-18 department of Microbiology have organized total 4 tours for betterment of students. These tours were organized as per curriculum and needs of students.

1. **Mahan water purification plant:-** Tour of B.Sc. Final year student was organized to Mahan water purification plant on date 16/09/2017. In this study tour total 87 students of B.Sc III along with Dr. U.K. Bhalekar, Dr. H.S. Malpani and Ms. S.N. Gawande were present for tour. **B.Sc III sem V** syllabus mainly deals with water purification techniques and procedures. To observe actual water purification process was great feast for students. Various steps of purification like Sedimentation, Flocculation, Chlorination, Back washing were demonstrated to students.
2. **Govt. Milk Scheme (RA):-** For the betterment of student tour of **B.Sc. III sem VI** student was organized to **Govt. Milk Scheme (RA)** dated on 20th Feb 2018 .There was total 87 student of B.Sc. Final year student along with Dr. U.K. Bhalekar and Ms. S.N. Gawande was present for tour. Pasteurization of Milk, MBR Test, phosphatase test, Fat percentage, production of toned milk and quality of milk etc. were the various steps in Processing in milk were demonstrated to student.
3. **Cotton Research Institute Nagpur:** - Educational tour of **M.Sc** Microbiology students was organized on 8th Feb 2018 to Cotton Research Institute Nagpur. Total 25 student of M.Sc Microbiology along with Dr. H.S. Malpani visited institute. Various instrument and techniques were demonstrated to students by scientist of cotton research institute. In back journey students enjoyed at Fun and Food water park Nagpur.
4. **Nagarjuna Botanical garden PDKV:** - On 27th Feb 2018 student of **B.Sc I Sem II** visited Nagarjuna botanical garden PDKV Akola. Total 139 students with along with Dr. U.K. Bhalekar, Dr. H.S. Malpani and Ms. S.N. Gawande were present for tour. Various Medicinal plants and their applications were studied by students.



Dr.H.S.Malpani
Assit. Professor & Head
Dept. of Microbiology
Shri R.L.T.College of Science, Akola

Department of Mathematics


Educational Tour at Raman Science Centre

A one day educational tour for the students of M.Sc.-II (Maths) was arranged to visit "The Raman Science Centre" and "Fun & Food" at Nagpur on 16/02/2018. Nineteen students of M.Sc.-II (Maths) (16 girls + 3 boys) and four staff members including a CHB teacher participated in the tour. A tourist bus was hired for to & fro journey, which started at 6.00 am on 16/02/2018. We arrived at "The Raman Science Centre" at 11:00am and visited it for two hours then we started for Fun & Food near Nagpur and enjoyed there for about four hours. All the students and staff started back at 5:30pm and returned safely with joy and satisfaction at 9.30 pm at the college on the same day. The tour was highly successful and was quite beneficial for students as they gained extreme enjoyment, knowledge, fraternity in the vicinity of nature and science.

The list of following students and staff members were participated in educational tour.

Sr. No.	Name of Staff Members
1	Dr. S. W. Bhaware (H.O.D. Maths)
2	Dr. S. L. Munde (Asst. Prof.)
3	Prof. K. R. Sharma (Asst. Prof.)
4	Prof. S. A. Mohata (Asst. Prof.)
Sr. No	Name of Student
1	Ku.Arati Gajanan Falke
2	Ku.Arati Vijay Gawande
3	Ku.Arati Digambar Fatkar
4	Ku.Ashvini Arun Kulkarni
5	Ku.Insiyah Dawood Vora
6	Ku.Kanchan Dilip Panjawani
7	Ku.Kiran Gajanan Gavale
8	Ku.Mayavati Arun Sapkal
9	Ku.Neha Milind Kulat
10	Ku.Prachi Mukund Deshpande
11	Ku.Prajakta Dayaram Tayade
12	Ku.Priya Subhash Khatri
13	Ku.Radhika Shrikrushna Zadokar
14	Ku.Radhika Subhash Kad
15	Ku.Ravina Sapurda Gawai
16	Ku.Rutuja Ashok Sadanshiv
17	Shri.Ashutosh Maroti Ghatge
18	Shri.Santosh Suresh Shirsat
19	Shri Mayur Ramesh Bhondane

Date : 18 / 02 / 2018.


H. O. D. of Mathematics
(Dr. S. W. Bhaware)

Department of Zoology

(A) Visit Entomology Museum, Department of Entomology, PDKV, Akola


On 6th October Institutional Visit of B.Sc. students was organized at **Insects Museum in Entomology Department, Dr.Panjabrao Krishi Vidhyapith, Akola**. Dr. S.M. Dadmal, Asso. Prof and charge of the Insect Museum guided the students about insect taxonomy, classification, and morphological and economical aspects of the Insect. He also gave a handful of practicals to handle the insects and the use of instruments for insect study. Students visited the museum and collected all related information that was needed in their syllabus. Students also visited the culture center for Useful insect Trychograma, which is an egg parasite insect helpful for pest control. Students visited the pest control center and collect information related to it. All students and staff after breakfast at campus returned to the college. Institutional Visit was organized by HOD Dr. S. M. Nagrale with other teachers Dr. A. S. Sawarkar, Dr. R.P. Joshi madam, and non-teaching staff. Overall, 90 students participated in the visit.



Dr. Dadmal Guided the students



Students Collected information from the center


Dr. Sushil M. Nagrale
Head,
Dept. of Zoology,
Shri R. L. T. College of Science
AKOLA

B) Educational Tour at Salburdi and Forest Department Wild Life Nature Garden, Morshi.

Zoology Department organized Excursion and Education Tour for B.Sc. Final Year students at Salburdi and Forest Department Wild Life Nature Garden and Interpretation Centre, Morshi on 6th Feb 2018. Overall, 53 students and 6 Teaching and Non-Teaching staff participated in the Tour. Students visited the holy place Salburdi by doing nature trials and to understand Nature and Its importance for spiritual ways. Students visited the Holy place Cave of Shiva and other natural important places.

While the return journey, students visited the Wild Life Nature Garden of the Forest Department at Morshi. They visited Wild Medicinal Plants Centre and Wild Life Nature Interpretation Centre to collect information on medicinal plants and the role of wildlife in nature protection and forest conservation.

With the permission of Principal Dr.V.D.Nanoty and under the guidance of HOD Dr. S.M.Nagrle study tour was organized and all staff takes efforts for the success of the tour.

		
Sarbardi Holy Place	Medicinal Plants center, Morshi	Students with Staff

C) Field Visit at Katepurna Wildlife Sanctuary


The “Biodiversity Walk and Nature Study Tour” at Katepurna Wildlife Sanctuary on Date **09/02/2018** were organized by the Department of Zoology, Shri R. L.T. College of

Science, Akola in collaboration with the Forest Department, Akola. The field visit was arranged as per the syllabus of Practical of BSc II / Semester IV S.G.B. Amravati University, Amravati.

The “Nature’s Trail” and the “Biodiversity Quiz competition” was conducted for the students. The 50 students were divided into two batches each having 25 students. Each batch was further divided into 5 groups and every group was named after the name of the bird. For eg. The Peacock Group, Pigeon group, Hariyal group, and so on. Dr. Rashmi Joshi Sawalkar and Mr. Suraj Ghogre(Forest Guide) worked as the jury members for the quiz to select the winner groups. At the end of the visit, the valedictory program was conducted by Dr. Joshi in which the winner groups of the quiz were felicitated by giving the certificates. The staff members Dr. Rashmi Joshi Sawalkar, Dr. Sudhir R. Kohchale, and Dr. Archana S. Sawarkar organized the visit as well as the Quiz competition.

With the permission of Principal Dr. V. D. Nanoty and HOD, Dr. S. M. Nagrale under the guidance of the Faculty in charge Dr. A S Sawarkar study tour Field Visit was organized and all staff takes efforts for success of the tour.

	
The complete team on the “Natures trail” at Katepurna Wildlife Sanctuary.	Winners of the “Biodiversity Quiz” competition.


Dr. Sushil M. Nagrale
Head,
Dept. of Zoology,
Shri R.L.T. College of Science
AKOLA

2018-19

Department of Botany

(A) Study tour at Lonar Crater Dist.-Buldhana

Study tour for B.Sc.I and II (Sem-II & IV) students visit the Lonar Lake in Buldhana district was held by Botany Department on 30/01/20 19.

Approximately 47 students are interested to visit the Lonar crater. The students reached at 07.00 am R.L.T College Campus and reached noon in Lonar Sarovar an extremely beautiful place. Lonar crater notified National Geo-heritage Monument saline soda lake located at Lonar in Buldhana district, Maharashtra, India, was created by a meteor impact during the Pleistocene Epoch and it is one of the rarely known hypervelocity impact craters in basaltic rock anywhere on Earth. The water of the lake contains various salts or sodas, and during dry weather when evaporation reduces the water level, large quantities of soda are collected. The place is important not just for its crater lake, it is important also for its wonderful temples around.

The tour In charge Teachers Dr. A. A. Sangole Mr. S.V. Madavi, HOD, Mrs. V. N. Badgujar, and P. M. Khadse, Shri Rajesh Dandnaik, (Lab attendant) Shri G.P. Sharma are accompanied and 47 students have participated in the tour.



(B) Botanical Excursion Tour to Hyderabad

Hyderabad is the capital of Telangana and one of the Metro cities in India it is also recognized as a historical city. **The Charminar** constructed in 1591 is a monument and

mosque located in Hyderabad. The landmark has become a global icon of Hyderabad, listed among the most recognized structures of India. **The Salar Jung museum** is an art museum located at Dur-ul-Shifa, on the southern bank of the Musi River in the city of Hyderabad. It has a collection of sculptures, paintings, carvings, textiles, manuscripts, ceramics, metallic artifacts, carpets, clocks and furniture from Japan, China, Burma, Nepal and India. **The Sudha Car Museum** is an automobile museum located in Hyderabad. The museum displays 'crazy cars' these cars are handmade by K. Sudhakar Yadav. **The Kotla Vijayabhaskar Reddy Botanical Garden** Hyderabad was developed by the Telangana Forest department it is famous for Biodiversity. **The Ramoji film city** in India is located in Hyderabad, spread over 2000 acres. It is the largest integrated film city in Telangana and has been certified by the Guinness world record as the largest studio complex in the world. It was built by Telugu film producer Ramoji Rao in 1996.

Tour was arranged on 10.03.2019 Sunday at 7.00 pm from Akola to Hyderabad by Train Jaipur Sikandarabad express and reach the next day approximately 7.00 am in the morning to the Hyderabad and stay there two days and the above-mentioned total 18 students of B.Sc. III (sem – VI) participated along with teachers staff, Prof V.N. Badgujar, Dr. P.M. Khadse, Prof. S.V. Madavi and, non-teaching staff member Mr. .R.S Dandnaik. were accompanied by students

All students with teachers returned to Akola on 13/3/2019 at 6.30 pm. The list of students are attached here.



Dr. P. M. Khodse



Head,
Department of Botany
R.L.T College of Science
AKOLA

**Educational Tour at IT Park at Khamgaon and UNESCO
World Heritage Site Ajanta caves**

Department of Computer Science & I.T. arranged one-day Educational Tour for B.Sc. III years' 49 students visited **IT Park** at Khamgaon and UNESCO World Heritage Site **Ajanta caves** on dated 02 March 2019.

First visited IT Park at Khamgaon, where three different IT companies are working: **micro spectral vibrant mind** for different purposes. Students interacted as well as familiar with the IT environment. Faculties from these companies well cooperated and explain various technologies like IoT, Web design, Virtual Reality, etc.

Then UNESCO World Heritage Site Ajanta caves visited. The Ajanta Caves are 30 (approximately) rock-cut Buddhist cave monuments that date from the 2nd century BCE to about 480 CE in the Aurangabad district of Maharashtra state, India. The caves include paintings and rock-cut sculptures described as among the finest surviving examples of ancient Indian art, particularly expressive paintings that present emotion through gesture, pose and form, especially in these paintings nano colors were used.

Students were observed amazed by these ancient creature, sound effective caves and nano colored and 3D paintings.

Educational Tour successfully completed, arranged and conducted by Prof R. B. Ghayalkar & non- teaching staff member Mr. Gopal Giri.

Following list of students were present during Educational Tour:

Bsc Final (P1,P2,P3)

P1	
Sr. No	Name
1)	Monal Tayade
2)	Snehal Ahir

P3	
Sr. No	Name
1)	Ankita Wadokar
2)	Namrata Joshi

3)	Shubhangi Khedkar
4)	Nikhil Sawat
5)	Yash Vidyasagar
6)	Vivek Metange
7)	Abhijeet Sarode

3)	Namrata Ponganty
4)	Kalyani Biyani
5)	Kalyani Nawthale
6)	Damini Khade
7)	Rucha Thorat
8)	Kajal Sarap
9)	Shraddha Dhawale
10)	Shraddha Upadhyay
11)	Vaishnavi Ghatol
12)	Samiksha Chaudhary
13)	Shruti Loute
14)	Pallavi Hanwate
15)	Vishal Tayade
16)	Ram Shejole
17)	Mahadeo Ghuge
18)	Shubham Shriwas

P2

Sr. No	Name
1)	Ankita Kurwale
2)	Sakhi Deshmukh
3)	Divya Bulbule
4)	Sayali Kalmegh
5)	Hrutuja Thakrae
6)	Tejaswini Gawai
7)	Nishigandha Chimankar
8)	Shivani Tiwari
9)	Tapasya Golait
10)	Trupti Bhure
11)	Yogini Ghatge
12)	Dipak Lahase
13)	Mayur Gaigole
14)	Pranil Ingle
15)	Rishikesh Dhoran
16)	Rohan Rajput
17)	Shubham Shinde
18)	Vaibhav Tayade
19)	Vaibhav Karale

P6

Sr. No	Name
1)	Anushka Sahu
2)	Kajal Tiwari
3)	Pranali Pawar
4)	Aniket Chandak
5)	Arpit Gurmale



R. B. Ghayalkar

Mr. R. B. Ghayalkar
(Assistant Professor)
Organizer

Department of Computer Science & IT
Shri R. L. T. College of Science Akola

Photo Gallery



Student's Visit to IT Park at Khamgaon,
(Three different IT companies are working: *micro spectra*, *vibrant mind* and *spectra mind*)



UNESCO World Heritage Site *Ajanta caves* Visit

[SSR/Criterion-II/ Teaching, Learning & Evaluation/ QIM-2.3.1]
Department of Microbiology

In the session 2018-19, department of Microbiology have organized total 4 tours for betterment of students. These tours were organized as per curriculum and needs of students.

1. **Mahan water purification plant:** - Tour of B.Sc. Final year students was organized to Mahan water purification plant on date 11/10/2018. In this study tour, total 105 students of B.Sc III along with Dr. H.S. Malpani and Ms. S.N. Gawande were present. Before actual departure from college, Principal **Dr. V.D. Nanoty** guided all present students of **B.Sc III sem V** on points mainly deals with water purification techniques and procedures. To observe actual water purification process was great feast for students. Various steps of purification like Sedimentation, Flocculation, Chlorination, Back washing were demonstrated to the students.
2. **Lonar lake:-** Tour of M.Sc. I and M.Sc. II students was organized on date 10/08/2018 to Lonar crater, a notified National Geo heritage Monument saline soda lake located at Lonar in Buldhana district of Maharashtra. Students departed from college at 7:00a.m after guidance of Dr. V.D. Nanoty sir and arrived at 10:00p.m. on the same day. For bacteriological analysis of water sample of Lonar Lake, various samples like sediment sample and water sample was collected. In this tour, total 40 students along with Dr. H. S. Malpani , Ms. Sarika Surwade and Ms. Vaibhavi Bhusari were present.


Dr. U.K. Ghalekar
Associate Professor & Head
UGPG & Research
Dept. of Microbiology
Shri.R.L.T College of Science,
Akola



Department of Zoology

(A) EDUCATIONAL TOUR AT KOLHAPUR AND MALVAN

Zoology Department was organised Excursion and Education Tour for B.Sc. Final Year students at Kolhapur and Malvan during 19th Jan 2019 to 23rd Jan 2019. Overall, 41 students and 8 Teaching and Non-Teaching staff were participated for the Tour. Students visited to the Zoo Museum and different places of Kolhapur. Students also visited to Marine Sanctuary, beaches and other educational centre of the Malvan and returned on 23 Jan 2019 to Akola.





The Borar General Education Society's, Akola.

(Regd. No. F65 B'bay Public Trust Act.)

SHRI RADHAKISAN LAXMINARAYAN TOSHNIWAL COLLEGE OF SCIENCE, AKOLA

(R. L. T. COLLEGE OF SCIENCE)

CIVIL LINES, AKOLA - 444 001 (MAHARASHTRA)

: Recognized By :



Govt. of Maharashtra & Permanently Affiliated to S. G. B. Amravati University, Amravati.

Ph. No. (0724) 2415480

NAAC REACCREDITED

COLLEGE CODE - 210

Fax - (0724) 2415650

GRADE 'A'

Website : www.rltsc.org

Post Box No.- 60

WITH CGPA - 3.12

E-mail: principal@rltsc.org

L. No.: Q EDUCATIONAL TOUR OF B.SC.III YEAR STUDENTS Date : 31/01/2019

Following students and staff participate in Educational Tour at Malvan from dated 19 Jan 2019 to 23 Jan 2019

SR.N	NAME OF STUDENTS	Age	M/F	AADHAR Card No.
1	KU DEVYANI J. BANNATKAR	21	F	833020903753
2	PRAJAKTA V. GAIKWAD	20	F	717282862947
3	POONAM G.WAGH	20	F	849495042005
4	NISHA K. HANUMANTE	21	F	817400130354
5	ASHWINEE E. RUDRAKAR	21	F	406168630325
6	APURVA R. SHAHA	19	F	448851177649
7	PREETI S. BHAD	21	F	877492076813
8	PRATIKSHA P. NERKAR	20	F	330030953313
9	SHIVANI R.PAWAR	21	F	438129864895
10	MANSI R. HEDA	20	F	657110170488
11	POOJA S. MULEY	20	F	857290194744
12	NAMRATA K. THAKARE	20	F	454833140357
13	SHIVANI P. BARWAD	20	F	388818907671
14	SONAL K. GAWANDE	20	F	932369596802
15	SHRADDHA P. GIRI	20	F	922333560422
16	SUPRIYA D. SOLANKE	20	F	359094490465
17	POOJA D. MOREY	21	F	279465823228
18	POOJA BODADE	21	F	400268355431
19	POOJA G. SOLANKE	20	F	477022400258
20	SANYUKTA G. GAWAI	21	F	360035552837
21	MAYURI A. BHAGAT	20	F	409060376639
22	MADHURA A. KHARATE	20	F	800663985040
23	MAYURI S. THAKARE	20	F	269460673312
24	REVATI R. SALVIKAR	20	F	-
25	NINAD P. BORAKHADE	20	M	454011759287
26	SWARAJ R. KHAWANE	20	M	621643227386
27	RUSHIKESH NIMKANDE	21	M	298056785448

Signature

P.T.O.

SR.NO	NAME OF STUDENTS	Age	M/F	AADHAR Card No.
28	GÅURAV V. KHAWANE	20	M	938492794332
29	YASH G.RANDIWE	20	M	280459613465
30	PRAJWAL S. DHANOKAR	20	M	644629994415
31	SWAPNIL J. UMALE	20	M	603683644204
32	UMAKANT P. PALKHADE	20	M	472124690457
33	TUSHAR H. GITE	20	M	247340768469
34	SHYAMS.MURTODKAR	21	M	460277785882
35	SACHIN B. DAMODAR	21	M	800828608687
36	VISHAL N. MOHANIK	20	M	235946431728
37	SURAJKUMAR G. CHANDOLE	20	M	583326394996
38	ROSHAN V. JUNGADÉ	20	M	797167529356
39	AKASH R. KAKADE	20	M	716646905522
40	AKSHAY B. DANDALE	20	M	786676323577
41	SAURABH S. CHATARKAR	20	M	991973913123
42	NIKHIL K. GAWANDE	20	M	397790908552
	STAFF			
1	SUSHIL M. NAGRALE	43	M	737280915476
2	RAJENDRA L. RAHATGAONKAR	46	M	
3	RASHMI JOSHI	40	F	
4	SUDHAKAR P. PATIL	58	M	749665616400
5	DEEPAK M. GHONGE	28	M	972324399158
6	DEELIP D. NAGARKAR	35	M	841186115577
7	SANDHYA S. NAGRALE	34	F	
8	JYOTI A. GITE	34	F	

S. Nagrale
 Dr. Sushil M. Nagrale
 Head,
 Dept. of Zoology,
 Shri R.L.T. College of Science,
 AKOLA



V. Dandale
 Principal
 Principal
 Shri R.L.T. College of Science,
 AKOLA

Zoology Department was arranged educational visit for B.Sc. students at Government Medical College Akola for exhibition of ANUBHUTI 2019: Human Organ exhibition on 1st March 2019. B.Sc I and II students along with Dr Joshi madam and Dr. Sawarkar madam visited to the exhibition.



Sushil M. Nagrate
Dr. Sushil M. Nagrate
Head,
Dept. of Zoology,
Shri R.L.T. College of Science
AKOLA

2019-20

Department of Chemistry & Physics

“Educational Tour at Hyderabad”

On the occasion of the golden jubilee year celebration, the B.Sc.-II (B1) & B.Sc.-III (P1 to P6) year Students from the Physics & Chemistry department of Shri R.L.T. College of Science, Akola, visited CSIR-Indian Institute of Chemical Technology (IICT) Hyderabad, Telangana, on National Science Day 28th February 2020.

The National Science Day program was organized by CSIR-IICT, which was attended by the students and faculties of the college. It was a great opportunity to listen to Shri P. Raghavendra Rao, IAS, Secretary, Department of Chemical and Petrochemical, Ministry of Chemical and Fertilisers, Govt. of India, who emphasized chemical export and women empowerment in India. He also commented that India would become a leading nation in producing antibiotics in near future. The woman has to play a vital role in the field of research and development in science. Dr. Chandrashekhara, Director, IICT has also explained the significant contribution of IICT in the discovery of pheromones during the educational visit. He expressed his contentment with the working efficiency of women of IICT who represented as head of five different divisions of the research laboratory in IICT. The students and faculties had also visited the x-ray machine, PP2, Semiochemicals, NMR Machine, Applied Biology, BEES Lab & few other labs. A group of students interacted with scientists and researchers from various laboratories.


Apart from these students accompanied by faculties also visited the Birla Planetarium and Museum, and Salar Jung Museum on 29 February 2020 and collected some useful information regarding space science and historical objects.

The Department of Physics and Chemistry of Osmania University also became a part of an educational tour, where students went through X-ray diffraction techniques and UV-Visible spectrophotometer technique operation on 01/03/2020. Dr. Prasad, H.O.D. of dept. of Physics, Prof. Ravindra, B.O.S. chairman in the subject of Physics, and Dr. Venkiah, H.O.D. dept. of Chemistry, have encouraged the students to pursue post-graduation in the relevant subject and work for the betterment of society. The journey

started on 27th February 2020 and come to an end on the 2nd of March 2020. All 38 students and 4 faculties participated in the tour.


The entire tour was planned and organized by Mr. Shailesh Jaiswal Asst. Professor, dept. of Physics and Dr. Pravin Kawale Asst. Professor, Mr. Sankesh Zyate Asst. Professor and Miss. Nikita Zyate madam from dept. of Chemistry under the guidance of Principal Dr. V.D. Nanoty, Shri R. L. T. College of Science College, Akola, and all faculty members of the college.

The students and faculties are thankful to Dr. V. D. Nanoty Sir, Principal and Management of the B.G.E. Society Akola for permitting us to conduct an educational tour in 2020.



Shri S. R. Jaiswal
Coordinator

Shri R. L. T. College o Science, Akola



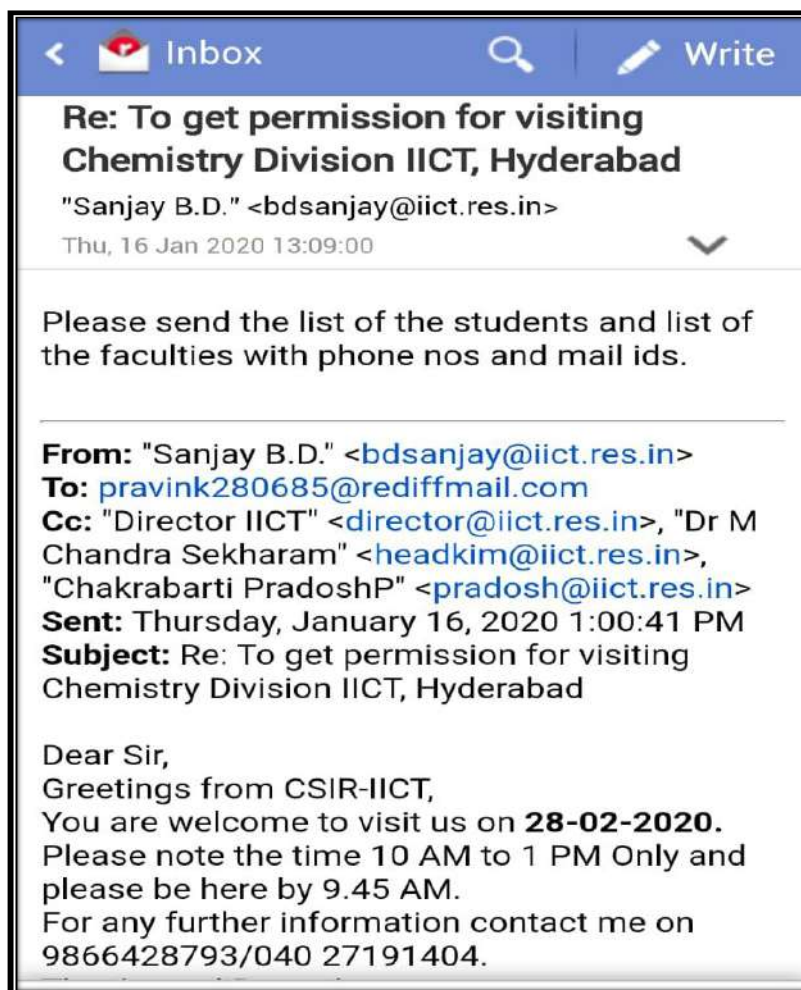
Dr. V. D. Nanoty
Principal

Shri R. L. T. College o Science, Akola

Coordinator

Dr. Pravin Kawale
Mr. Sankesh Zyate

Shree. R.L.T. College of Science Akola.				
Educational Tour				
CSIR-IICT Hyderabad				
Students Name & Details				
Sr. No.	NAME	PHONE NO	E-MAIL	Group
1	Komal Kekan	8698725526	komalkekan21@gmail.com	P2
2	Aarti Katore	9850862369	aartikatore80@gmail.com	P2
3	Priyanka Ingole	9527151091	priyankaingole102@gmail.com	P2
4	Devyani Deshmukh	9284963791	devyani1498@gmail.com	P2
5	Pooja K Deshmukh	7083521780	poojadeshmukh905@gmail.com	P4
6	Shubhangi S Dhore	9146872947	shubhangidhore14@gmail.com	P4
7	Vaishnavi M Wankhade	7820835534	vaishnaviwankhade2017@gmail.com	P4
8	Mayuri D Thakare	9130513240	mayurithakare54@gmail.com	P4
9	Damani Sanghai	7385050247	Damanisanghai2012@gmail.com	P4
10	Trupti S Davhale	8766857515	truptidavhale1@gmail.com	P4
11	Bgagyashree R Saitwal	9067257477	brsaitwal1999@gmail.com	P4
12	Madhvi S Bondre	8421147945	Madhavibondre76@gmail.com	P4
13	Shruti N Kalmegh	7447632526		P4
14	Shnatanu S Wankhade	9529227615	shantanuwankhade2141999@gmail.com	P4
15	Rohit R Awadhut	9146333791	rohitawadhut23@gmail.com	P4
16	Anuraj G Chauhan	9172814655	anurajchauhan12345@gmail.com	P4
17	Dhyaneshwar Pariyal	8788838442	dhyneshwarpariyal07@gmail.com	P4
18	Vineet Gupta	9764217804	vineetgupta6047@gmail.com	P4
19	Ajinkya Deshmukh	9860747470	deshmukh2000@gmail.com	P4
20	Komal L Varma	8380886865	komalvarma988@gmail.com	P5
21	Aditi A Kolhe	8830658274	aditikolhe3119@gmail.com	P6
22	Anuja M Ingle	9096061236	anujamanikrao@gmail.com	P6
23	Ishwari R Hingne	9284668032	ishwarihingne0391@gmail.com	P6
24	Apurva Manatkar	8208324740	apurvamanatkar10@gmail.com	B1
25	Shraddha Dalal	7776929588	shraddhadalal1021@gmail.com	B1
26	Gauri Mahulkar	8788847136	gmahulkar1432@gmail.com	B1
27	Prerana Mulay	7620420734	preenam2302@gmail.com	B1
28	Simaran Purswani	7276947020	simranpurswani@gmail.com	B1
29	Manju Fulwani	9922425817	mfulwani792@gmail.com	B1
30	Kshitija Shirsat	9325661189	kshitushirsat2000@gmail.com	B1
31	Laxmi Thakur	7420949573	laxmithakur272000@gmail.com	B1
32	Anchal Dhankani	9359238271	anchaldhankani2723@gmail.com	B1
33	Rucha Bhate	7888244461	ruchabhate1599@gmail.com	B1
34	Vaishanvi Nimaje	9370294440	vaishanvinimaje111@gmail.com	B1
35	Pratiksha Awadhut	7499593137	pratiawadhut02@gmail.com	B1
36	Kalyani Tayade	9767367662	kalyanitayade67@gmail.com	B1
37	Vaishanvi Jamkar	8766735159	vaishnujamkar88@gmail.com	B1
38	Shailesh Jaiswal Sir	8806070156	srjaiswal07@gmail.com	Faculty
39	Payal Akhud Jaiswal	8605933931	pavalakhud94@gmail.com	Faculty
40	Sankesh Zyate Sir	9923318886	zshanky19@gmail.com	Accompanies
41	Nikita Zyate Madam	9665635806		Faculty
42	Pravin Kawale Sir	9850378098		Faculty



PHOTOGRAPHS OF EDUCATIONAL TOUR



Share the Stage with Shri P. Ragevendra Rao &
Dr. P. Chandrashekhar, CSIR-IICT, Hyderabad



Visit XRD Lab. CSIR-IICT, Hyderabad

Dr. Sanjay Coordinator of our Visit CSIR-IICT,
Hyderabad



Visit Chemical Lab. CSIR-IICT, Hyderabad



Visit NMR Lab. CSIR-IICT, Hyderabad



Visit to Birla Planetarium & Museum



Department of Physics Osmania University



Department of Chemistry Osmania University



Osmania University Campus



Visit Charminar



Husain Sagar

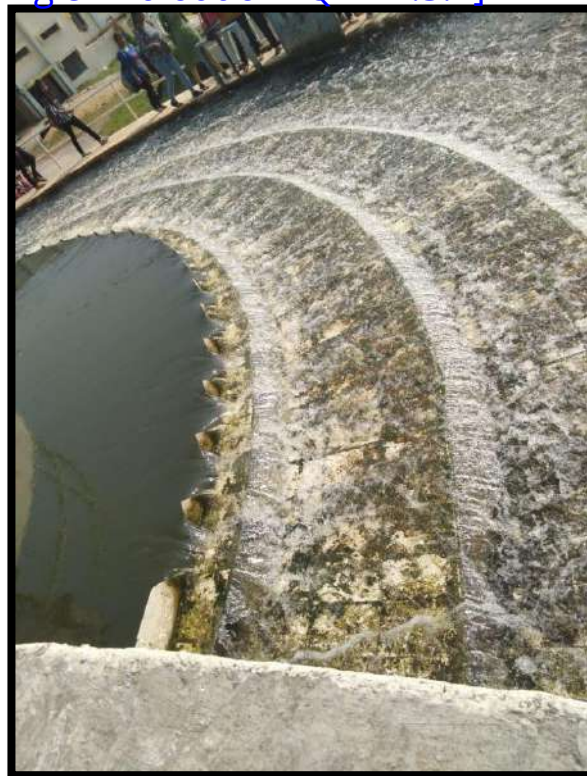
Department of Microbiology

(A) Educational tour to Mahan Water Purification Plant

On 11th October, Friday, Shri RLT college of science Akola, Department of Microbiology organized an educational tour of Mahan Water Purification Plant under the supervision of Principal Dr. V. D Nanoty and HOD Dr. U. K Bhalekar.

In this tour, 120 students of BSc 3rd year participated along with Dr. H. S Malpani, Ms. Sonali Gawande, Ms. Shradha Maheshwari, Ms. Maithilee Deshmukh, and all CHB staff.





(B) Educational visit to Dr. PDKV University Akola

Department of Microbiology and Biochemistry has organized an educational visit to Dr. PDKV University Akola, on 5th October. M.Sc. 2nd year and B.Sc. 3rd-year students participated and visited the Centre of excellence in the plant. Biotechnology unit and 2, food processing unit, Microbiology lab.





Dr. H. S. Maipani
Asstt. Professor & Head
Dept. of Microbiology
Shri R.L.T. College of Science, Akola

Department of Zoology

(A) Visit Katepurna Wildlife Sanctuary, Akola (5th Oct 2019)

B.Sc.II and B.Sc.III students visited the Katepurna Wildlife Sanctuary under the guidance of Dr. S.M.Nagrle and the in-charge ship of Dr. Rashmi Joshi Sawalkar Madam. Mr. Uday Vaze guided the students about the wildlife and nature conservation programs run at Katepurna Wildlife Sanctuary. A quiz competition was conducted at the Sanctuary and all students actively participated in that event

(B) Visit Insect Museum, Department of Entomology, Dr. PDKV, Akola

(7th Oct 2019)

On the occasion of Wildlife week, the Department of Zoology organized a visit to Insect Museum at Entomology Department, Dr. PDKV, Akola. Dr. Mhaske sir guided our students about Insects and the role of Insects in conservation and agriculture production. Students also visited the Trichogramma culture center, and

[\[SSR/Criterion-II/ Teaching, Learning & Evaluation/ OIM-2.3.1\]](#)

also studied about cultivation and rearing of insects. Dr. S.M.Nagrale coordinate the events with supportive teaching staff Dr. Archana Sawarkar Madam and nonteaching staff Depak Ghonge and Dilip Nagarkar.



Dr. Sushil M. Nagrale
Head,
Dept. of Zoology,
Shri R.L.T. College of Science
AKOLA



2021-22

Department of Chemistry

Visit Adarsha Goseva Evam Anusandhan Prakalp, Mhaispur

To inculcate scientific temperament among the students, college always encourages a visit to research institutes or industry as a study tour college students. The department of chemistry organized an industrial tour of B.Sc.-II (B1, P4, B6 batches) students to Adarsha Goseva Evam Anusandhan Prakalp, Mhaispur on Friday, 20/05/2022. The journey tour started at 10.00 am after the address of the Hon'ble officiating Principal Dr. R. D. Chavan sir to the students' participants. Mr. Ramakant Bhopale, Manager of Adarsha Goseva Evam Anusandhan Prakalp explained the working of the planted rehabilitation of indigenous breed cow and also explained the laboratory process of manufacturing ayurvedic medicinal products, cosmetics, ointment, syrup, soaps, and some other products from cow urine and cow dung. All the students visited the plant, where we have gone through the processing and chemistry involved in the products and medicines prepared from cow urine and dung. The preparation of fertilizers from cow dung is the most demanding product of the Plant but storage of urine and dung was challenging work as explained by Dr. Kulkarni Sir Head, AGEAP, Mhaispur. A total of 46 students from B.Sc.-II, Chemistry participated in a tour along with **Dr. Pravin Kawle**, In charge, of the educational tour, and Mr. Vilas Ramteke and Mr. Anurag Joshi of the non-teaching staff members.

This active plan of the tour was arranged with the support of **Dr. P. T. Agrawal**, Head, Department of Chemistry, and under the guidance of **Dr. V. D. Nanoty**, Principal, Shri R.L. T. College of Science, Akola.


In charge

Dr. Pravin Kawade




Head

Department of Chemistry
R. L. T. Science College Akola

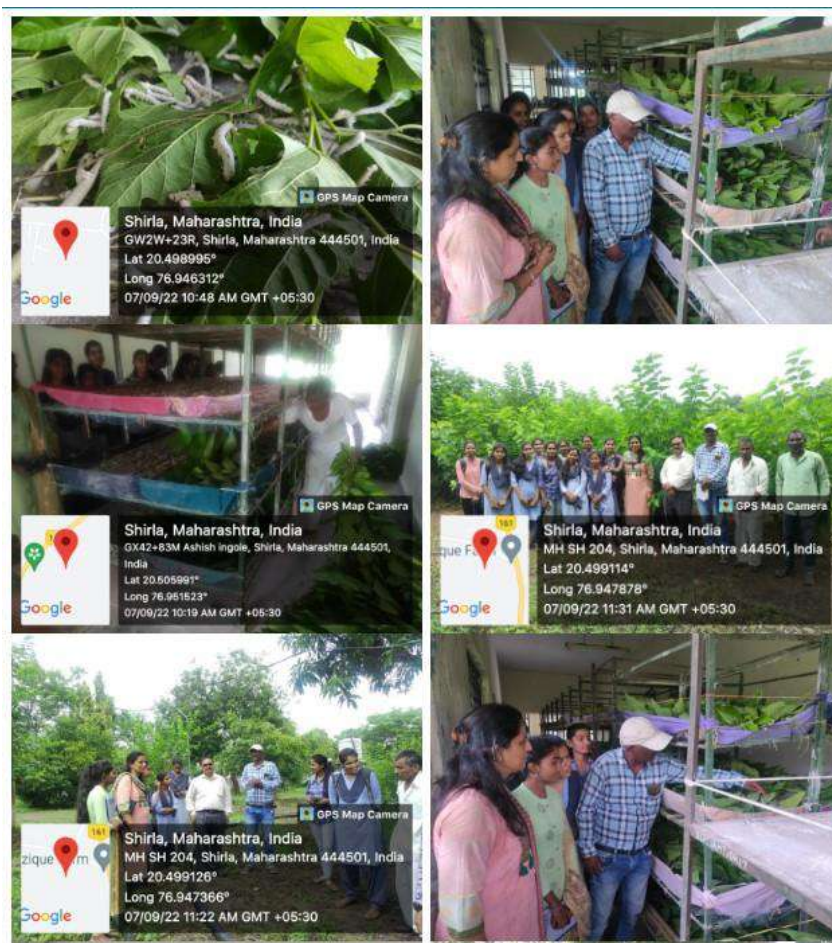


**All the B. Sc II Chemistry students' participants and staff during the visit to Adarsha Goseva
Evam Anusandhan Prakalp, Mhaispur**

Diploma in Sericulture

Visit at Sericulture Training Institute Shirla Farm, Ta.: Patur, Dt.: Akola.

The students of diploma in sericulture visited Sericulture Training Institute Shirla Farm, Ta. Patur, under Resham Sanchalanalay, Maharashtra dated 07/09/2022. A total of 15 students in the Diploma Course with course coordinator Dr. Rashmi Joshi from the college were visited. Shri. Yewale, Project Officer, DSO Akola, and Shri Shitalkumar Ghogre guided students and gave hands-on training to students about the feeding process of silkworms and informed them about different varieties of mulberry plants. Students found good technical knowledge about silkworm rearing.



Rashmi Joshi
Dr. Rashmi Sawalkar (Joshi)
Assistant Professor
Department of Zoology
R.L.T.College of Science, AKOLA

**PROJECT WORK: MINI PROJECT/ MAJOR PROJECT/ FIELD
PROJECT/INTERNSHIP**

Shri R.L.T. College of Science, Akola
Department of Botany
2019-2020

Report on “Herbarium”

Department of Botany, B.Sc II (B2,B5&b7) submitted project assignment on Topic “ Herbarium Collection of different taxonomic plants” under the supervision of Dr. A. A. Sangole.

A herbarium project was held in the Department of Botany for B.Sc. II students on. The motive of this project was to introduce the students to different kinds of plant specimens to be preserved for long duration and also provided the knowledge about different varieties of plant species.

Herbarium is a repository of dried, pressed and systematically named plant materials mounted on herbarium sheets. Herbarium is an invaluable conservatory of plant material and data and serves as a fundamental resource for identification, nomenclature and classification of plants. The herbaria greatly aid in all kinds of taxonomic researches and serve as a source for biodiversity collections.

We are very much thankful to Mrs. Vaishali N. Badgujar Head, Department of Botany. We are also thankful to teaching and non-teaching staff for their Co-operation



Teacher In charge
(Dr. A. A. Sangole)

Head
Department of Botany

Shri R.L.T. College of Science, Akola
Department of Botany
2017-18


Report on “Seed Bank”

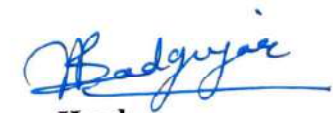
Department of Botany, B.Sc II sem III students (B2,B5&B7) submitted project assignment on Topic “ **Seed Collection of different varieties of plants**” under the supervision of Dr. A. A. sangole

A seed bank is a facility used to store seeds of various crops and wild plants, in an effort to maintain biodiversity. The storage of material in the form of seeds is one of the most widespread and valuable approaches to conservation. Seeds are a convenient means of long term storage of genetic diversity, as the samples are small in size, are easily handled, require low maintenance and frequently remain viable for long periods.

Department of Botany has developed seed banks for the storage of seeds. This project assignment is very important for students for the identification of plants and it's important. This should prudently combine theory with practical




Teacher In charge
(Dr. A. A. Sangole)


Head
Department of Botany

Department of Electronics

Mini-Project on Designing Electronic Equipment



CERTIFICATE

Department of Electronics

Shri.R.L.T. College of Science, Akola

This is to certify that the project work entitled “ **Zener Regulated Power Supply** “ has been satisfactorily completed by the following Students during 2017-2018

In the fulfillment in the practical for the Bachelor's Degree in Electronics affiliated to Sant Gadge Baba University, Amravati.

Project Team:-

Shivani R Jawale.

Shubhangi S Deshmukh.

Tejashree S Sharma.

Vaishali V Deokate.

Jayshree R Apotikar.



Prof R G Chavan Head of Department

HEAD

ELECTRONICS DEPARTMENT
R. L. T. COLLEGE OF SCIENCE
AKOLA

Place : Akola

(Project Guide) Date :

Shri R. L. T. College of Science, Akola



CERTIFICATE

Department of Electronics

Shri. R.L.T. College of Science, Akola

This is to certify that the project work entitled "**OP-Amp as Subtractor**" has been satisfactorily completed by the following Student during 2017-2018 in the fulfillment in the practical for the Bachelor's degree in electronics affiliated to Sant Gadge Baba University, Amravati

Project team:-

Simran Harwani
Sumaiya Maniyar
Snehal Pophali
Vaishnavi Nanote


Prof. R.G. Chavan
(Project Guide)


Head of the Department
Date:-

Head
ELECTRONICS DEPARTMENT
R.L.T.COLLEGE OF SCIENCE
AKOLA

Place :-Akola

certificate

Department of Electronics

Shri. R.L.T. College of Science, Akola

This is to certify that the project work entitled "**Operational Amplifier as ADDER**" has been satisfactorily completed by the following Students during 2017-2018

In the fulfilment in the practical for the Bachelor's degree in electronics afflicted to Sant Gadge Baba University, Amravati

Project Team:

- Renuka Bidwai
- Rutuja Deshmukh
- Roshani Chavan
- Seema Sirsat


Prof. R. G. Chavan.

(Project Guide).

Place - Akola


Head of the department
DATE : 11/04/2018.

CERTIFICATE

Department of Electronics **Shri. R. L. T. College of Science ,Akola...**

This is to certify that the project work entitled "Study of LDR...." Has been satisfactorily completed by the following students during 2017-2018 in fulfilment of the Electronics practical in "B.Sc.III ,Sem VI." In **SantGadge Baba University, Amravati..**

Project Team:-

Dipali G. Lulekar Poonam S. Raut

Hrucha S. Relkar Purva K. Deshmukh


Prof. M. Kulkarni
(Project Guide)


Head of the Department

Date :- 11-4-18

Place:-Akola

SHRI.R.L.T COLLEGE OF SCIENCE AKOLA

Department Of Electronics

CERTIFICATE



This is to certify that the project entitled, "STUDY OF IDENTIFICATION OF ELECTRONICS COMPONENTS", which is being submitted herewith for the award of B.S.C, is the result of the work completed by **DATTA KAWARE, GAURAV KHARCHE, NINAD GAIKWAD, PRAJWAL TAPRE** under my supervision and guidance within the four walls of the institute and the same has not been submitted elsewhere for the award of any degree.

(Prof. R. D. Chaudhari)
Associate Professor in Electronics
Guide

(Prof. R. G. Chavan)
Head of Electronics Department

HEAD
ELECTRONICS DEPARTMENT
R. L. T. COLLEGE OF SCIENCE
AKOLA

(Prof. Dr. V. D. Nanoty)

Principal



CERTIFICATE

Department of Electronics

Shri.R.L.T. College of Science, Akola

This is to certify that the project work entailed “ **Phototransistor** “ has been satisfactorily completed by the following Students during 2017-2018

In the fulfilment in the practical for the Bachelor's Degree in Electronics affiliated to Sant Gadge Baba University, Amravati.

Project Team:-

- 1.Ashvini P Nevhal.**
- 2.Manisha G Deokate.**
- 3.Pallavi D Dhabe.**
- 4.Pratiksha S Kharode**


Prof R G Chavan Head of Department

(Project Guide)

HEAD
ELECTRONICS DEPARTMENT
R. L. T. COLLEGE OF SCIENCE
AKOLA

Date : 31/03/18

Place : Akola

Shri R. L. T. College of Science, Akola



CERTIFICATE

Department of electronics

Shri. R.L.T. College of Science, Akola

This is to certify that the project work in title "Operational Amplifier as a Non inverting Amplifier" has been satisfactorily completed by the following Students during 2017-2018.

In the fulfillment in the practical for the Bachelor's degree in electronics affiliated to Santa Gadge Baba University, Amravati.

Project Team :-

Govind Lakhotiya

Ninad Wakode

Rushikesh Ghatole

Sachin Kothale

Satyam Pande

(Project Guide)

Prof. R. D. Chaudhri

Prof. M. Kulkarni

Head of the Department

Prof. R. G. Chavan

**HEAD
ELECTRONICS DEPARTMENT
R. L. T. COLLEGE OF SCIENCE
AKOLA**

Place :- Akola

Date : 11/4/18



CERTIFICATE

Department of electronics

Shri. R.L.T. College of Science, Akola

This is to certify that the project work in title "Operational Amplifier as a Inverting Amplifier" has been satisfactorily completed by the following Students during 2017-2018.

In the fulfillment in the practical for the Bachelor's degree in electronics affiliated to Santa Gadge Baba University, Amravati.

Project Team :-

Ajay V. Kandarkar

Dhananjay P. Tarale

Dattatray V. Karale

Sumedh Kambale

Ashish D. Ghumare

(Project Guide)

Prof. R. D. Chaudhri

Prof. M. Kulkarni

Head Of the Department

Prof. R. G. Chavan

**HEAD
ELECTRONICS DEPARTMENT
R. L. T. COLLEGE OF SCIENCE
AKOLA**

Place :- Akola

Date : 11/4/18



CERTIFICATE

Shri. R.L.T. College of Science, Akola.

Department of Electronics

The is to certify that the project work entitled "**+12 v and - 12v Dual Regulated Power Supply**" has been satisfactorily completed by the following students during 2018-19.

In the fulfilment in the practical for the Bachelor Of Science in Electronics Affiliated to Sant Gadge Baba Amravati University, Amravati.

Project Team:-

- Shubham jayraj
- Roshan Mehankar
- Akshay Lodham
- Sarang Deshpande

Date:- 23.3.2019

Place:- Akola.

**Head of Department
(Electronics)
Prof. R G Chavan**



CERTIFICATE

Shri. R.L.T. College of Science, Akola.

Department of Electronics

The is to certify that the project work entitled "+12 v and - 12v Dual Regulated Power Supply" has been satisfactorily completed by the following students during 2018-19.

In the fulfilment in the practical for the Bachelor Of Science in Electronics Affiliated to Sant Gadge Baba Amravati University, Amravati.

Project Team:-

- Mahadev Ghuge.
- Ram Shejole.
- Shubham Shriwas.
- Vishal Tayade.

Date:- 23/03/2019.

Place:- Akola.


Head of Department
(Electronics)
Prof. R G Chavan

CERTIFICATE

DEPARTMENT OF ELECTRONICS

SHRI RLT COLLEGE OF SCIENCE AKOLA

This is certify that the project work entitled "zener regulator power supply " has been satisfied fact nonil competed by the following students 2018\2019

in the fulfillment in the practical for the bachelor's degree electronics affiliated to sant gadge baba amrawati university

project team

PRITI KHODE

ASHWINI SONONE

NAMRATA TAYADE

PRADNYA RAMTEKE

Head of Department


PROF. R. S. Chavan



CERTIFICATE

Shri R.L.T. College of Science, Akola.

Department of Electronics

This is to certify that the project work entitled **" $+12\text{ V}$ and -12 V Dual Regulated Power Supply"** has been satisfactorily completed by the following students during 2018-2019.

In the fulfillment in the practical for the Bachelor of Science in Electronics
Affiliated to Sant Gadge Baba Amravti University, Amravti.

Project Team:

- Ketaki Kshirsagar
- Shraddha Upadhyay
- Shruti Londe
- Vaishnavi Ghatal

Date:

Place: Akola

Head of Department
(Electronics)

Prof. R.G. Chavan


23/3/2019



CERTIFICATE

Shri. R.L.T. College Of Science, Akola.

Department of Electronics

This is certify that the project report entitled "**+12 v and -12 v Dual Regulated Power Supply**" has been satisfactorily complete by the following students during 2018-19.

In the fulfilment in the practical for the Bachelor Of Science in Electronics Affiliated to Sant Gadge Baba Amrawati University, Amravati.

Project Team :-

- Abhijeet Ganesh Sarode.
- Nikhil Vivekanand Sawat.
- Pervez Abdul Kafil.
- Shubham Govind Gadhekar.

Date :- 23/03/2019

Place : Akola.

Head Of Department
(Electronics)
Prof. R.G. Chavan

HEAD
ELECTRONICS DEPARTMENT
R. L. T. COLLEGE OF SCIENCE
AKOLA



CERTIFICATE

Shri. R.L.T. College of Science, Akola.

Department of Electronics

The is to certify that the project work entitled "+12 v and -12v Dual Regulated Power Supply" has been satisfactorily completed by the following students during 2018-19.

In the fulfilment in the practical for the Bachelor Of Science in Electronics Affiliated to Sant Gadge Baba Amravati University, Amravati.

Project Team:-

- Shraddha Dhawale.
- Samiksha Chaudhari.
- Ankita Wadhokar.
- Pallvi Hanwate.

Date:-

Place:- Akola.

Head of Department
(Electronics)
Prof. R G Chavan

HEAD



CERTIFICATE
Shri. R.L.T. College of Science, Akola.

Department of Electronics

The is to certify that the project work entitled “**+12 v and -12v Dual Regulated Power Supply**” has been satisfactorily completed by the following students during 2018-19.

In the fulfilment in the practical for the Bachelor Of Science in Electronics Affiliated to Sant Gadge Baba Amravati University, Amravati.

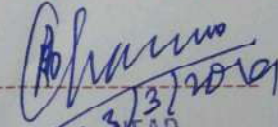
Project Team:-

- Namrata Joshi.
- Namrata Ponganty.
- Kalyani Biyani.
- Kalyani Nawthale

Date:-

Place:- Akola.

**Head of Department
(Electronics)
Prof. R G Chavan**


23/3/2019
HEAD
ELECTRONICS DEPARTMENT
R. L. T. COLLEGE OF SCIENCE
AKOLA



CERTIFICATE

Shri R.L.T. College of Science, Akola.

Department of Electronics

This is to certify that the project work entitled **" $+12\text{ V}$ and -12 V Dual Regulated Power Supply"** has been satisfactorily completed by the following students during 2018-2019.

In the fulfillment in the practical for the Bachelor of Science in Electronics Affiliated to Sant Gadge Baba Amravti University, Amravti.

Submitted By :-

- Asmita N. Gadge
- Kajal H. Khade
- Komal R. Dambare
- Monal S. Tayade

Date:

Place: Akola

Head of Department

(Electronics)

Prof. R.G. Chayan

HEAD
ELECTRONICS DEPARTMENT
R. L. T. COLLEGE OF SCIENCE
AKOLA



CERTIFICATE

Department Of Electronics

Shri R. L. T. College Of Science, Akola

This is to certify that the project work entitled "Monostable Multivibrator using IC555 Timer" has been satisfactory completed by the following students during 2019-2020.

In fulfillment in the project for the Bacheors Degree in Electronics affiliated to Sant Gadge Baba University, Amravati.

Project Team:-

- 1. Simran Gadodiya**
- 2. Komal Varma**
- 3 .Perna Pasoriya**
- 4. Sonal Deokhate**

Guidence By:-

Prof. M. Kulkarni

Prof. R. D. Choudhary


Head Of Department

Prof. R. D. Chavan
HEAD
ELECTRONICS DEPARTMENT
R. L. T. COLLEGE OF SCIENCE
AKOLA



CERTIFICATE

Shri. R.L.T. College of Science, Akola.

Department of Electronics

This is to certify that the project work entitled,
"Monostable Multivibrator Using Timer IC LM 555" has been satisfactorily
completed by the following students,

Soniya P Jangid

Radhika S Rajote

Sonali R Godwe

Vaishnavi G Mahalle

during the academic year 2021-2022.

This project work is essential for the partial fulfillment of 'Bachelor's Degree
in Electronics' syllabus prescribed by '*Sant Gadge Baba Amravati University,*
Amravati'.


Project Guide.

Milin M. Kulkarni


Head of Department)

Prof. R G Chavan

Date: 28/5/2022

Place: Akola

HEAD
ELECTRONICS DEPARTMENT
R. L. T. COLLEGE OF SCIENCE
AKOLA



CERTIFICATE

DEPARTMENT OF ELECTRONICS

SHRI R. L. T. COLLEGE OF SCIENCE, AKOLA

This is to verify that the project work entitled "Monostable Multivibrator using IC555 Timer" has been satisfactory completed by the following students during 2021-2022.

In fulfillment in the project for the Bachelors Degree in Electronics affiliated to Sant Gadge Baba University, Amravati.

Project Team :-

- 1) Aditya Wahurwagh
- 2) Amar Khandare
- 3) Kunal Khandare
- 4) Kunal Kirote

Guidence By :-

Prof. M. Kulkarni

Prof. R.D. Choudhary

Head of Department
31/05/2022
Prof. R. G. Chavan

HEAD
ELECTRONICS DEPARTMENT
R. L. T. COLLEGE OF SCIENCE
AKOLA



CERTIFICATE

Department of Electronics

Shri R.L.T. College of Science , Akola.

This is to certify that the project work entitled "Astable Multivibrator using IC LM 741" has been satisfactorily completed by the following students during the academic year 2021-22.

In fulfillment in the project for the Bachelors Degree in Electronics affiliated to Sant Gadge Baba University, Amravati.

Project Team:-

- 1.Aishwarya Girish Pathak.**
- 2.Aishwarya Ashok Tayade.**
- 3.Aishwarya Dilip Waskar.**
- 4.Damini Ganesh Wankhade.**

Guided By:-

Prof. Milind M. Kulkarni.

Head of the Department

Prof. R. G. Chavhan.

HEAD
ELECTRONICS DEPARTMENT
R. L. T. COLLEGE OF SCIENCE
AKOLA



CERTIFICATE

Department Of Electronics

Shri.R.L.T College of Science, Akola

This is to certify that the project work entitled “ **Pulse Width Modulation using Timer IC LM555**”
has been satisfactory completed by the following students
during academic year 2021 – 2022
In fulfilment in the project for Bachelors degree in Electronics
affiliated to Sant Gadge Baba University, Amravati.

Project Team :-

- Arati Ghate
- Diksha Londe
- Bharti Kalinge
- Kanchan Sable

Guided by:-
Prof. M Kulkarni
Prof. R.D.Chaudhari

Head Of Department
Prof. R.G.Chavan

HEAD
ELECTRONICS DEPARTMENT
R. L. T. COLLEGE OF SCIENCE
AKOLA



CERTIFICATE

Department Of Electronics

Shir R.L.T College Of Science, Akola

This is to certify that the project work entitled "**Astable Multivibrator Circuit With An LM741 OP AMP Chip**" has been satisfactory completed by the following students during 2021-2022.

In fulfilment in the project for the Bachelors degree in Electronics affiliated to Sant Gadge Baba University, Amravati.

Project team:

- Aditi Solanke
- Apoorva Damodar
- Anjali Tayade
- Ankita Gote

Guided By:

Prof. M. Kulkarni

Prof. R. D. Choudhary -

Head Of Department

Prof. R. G. Chavan
ELECTRONICS DEPARTMENT
R. L. T. COLLEGE OF SCIENCE
AKOLA



CERTIFICATE

Department Of Electronics
Shri R. L. T. College Of Science, Akola

This is to certify that the project work entitled " Pulse Width Modulation Using Timer Ic 555" has been satisfactory completed by the following students during 2021-2022.

In fulfillment in the project for the Bachelor's Degree in Electronics affiliated to Sant Gadge Baba University, Amravati.

Project Team :-

- 1) Suyash Mahajan
- 2) Shivam Mankar
- 3) Mohit Ambuskar
- 4) Chaitanya Nimbalkar

Guidence By:-

Proof. R. D. Choudhary

Proof. M. Kulkarni

Head Of Department
30/1/2022

HEAD
Proof. R. G. Chaudhari
HEAD OF DEPARTMENT
SHRI R. L. T. COLLEGE OF SCIENCE
AKOLA



CERTIFICATE

Department of Electronics

Shri R.L.T. College of Science , Akola.

This is to certify that the project work entitled “Phase Shift Oscillator using IC LM 741” has been satisfactorily completed by the following students during the academic year 2021-22.

In fulfillment in the project for the Bachelors Degree in Electronics affiliated to Sant Gadge Baba University, Amravati.

Project by :-

Pranoti Vijay Mahalle

Gauri R. Yenkar

Pragati Lakshman Mhasal

Mayuri M. Ambuskar

Guided By:-

Prof. Milind M. Kulkarni.

Head of the Department

Prof. R. G. Chavhan.

HEAD
ELECTRONICS DEPARTMENT
R. L. T. COLLEGE OF SCIENCE
AKOLA



CERTIFICATE

Department Of Electronics
Shri.R.L.T College of Science, Akola

This is to certify that the project work entitled “ **Pulse Width Modulation using Timer IC LM555**”
has been satisfactory completed by the following students
during academic year 2021 – 2022
In fulfilment in the project for Bachelors degree in Electronics
affiliated to Sant Gadge Baba University, Amravati.

Project Team :-

1. Priyanka Khete

Guided by:-
Prof. M Kulkarni
Prof. R.D.Chaudhari

Head Of Department
Prof. R.G.Chavan
HEAD
ELECTRONICS DEPARTMENT
S. L. T. COLLEGE OF SCIENCE
AKOLA



CERTIFICATE

Department Of Electronics

Shri.R.L.T College of Science, Akola

This is to certify that the project work entitled “ **Pulse Width Modulation using Timer IC LM555**”

has been satisfactory completed by the following students

during academic year 2021 – 2022

In fulfilment in the project for Bachelors degree in Electronics

affiliated to Sant Gadge Baba University, Amravati.

Project Team :-

1. Yash Jayale
2. Tejas patange
3. Swapnil Londe
4. Prajwal Gangane
5. Nkhil Raut

Guided by:-

Prof. M Kulkarni

Prof. R.D.Chaudhari

Head Of Department

Prof. R.G.Chavan

HEAD

ELECTRONICS DEPARTMENT
R. L. T. COLLEGE OF SCIENCE
AKOLA

CERTIFICATE

Department Of Electronics

Shri. R. L. T. Collage Of science, Akola

This is the certificate that the project work entitled “Monostable Multivibrator using IC555 Timer” has been satisfactory completed by the following students during 2021-2022.

In fulfillment in the project for the bachelor degree in electronics affiliated to sant gadge baba university, Amravati.


Project team:

- 1.Radhika Malokar
- 2.Sakshi Patil
- 3.Shraddha Mohod
- 4.Shraddha Kharat
- 5.Shrutika Deshpande

Guidance by :

Prof. M. Kulkarni.

Prof. R. D. Chaudhary



Head Of Department
Prof. R. G. Chavan



CERTIFICATE

Department Of Electronics

Shri. R. L. T. Collage Of science, Akola

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In fulfillment in the project for the bachelor degree in electronics affiliated to sant gadge baba university, Amravati.

Project team:

- Radhika Malokar
- Shraddha Mohod
- Shraddha Kharat
- Shrutika Deshpande

Guidance by :

Prof. M. Kulkarni.

Prof. R. D. Chaudhary

Head Of Department

Prof. R. G. Chavan

HEAD
ELECTRONICS DEPARTMENT
R. L. T. COLLEGE OF SCIENCE
AKOLA

Prof. R. G. Chavan



CERTIFICATE

Department Of Electronics

Shri. R. L. T. Collage Of science, Akola

This is the certificate that the project work entitled "Monostable Multivibrator using IC555 Timer" has been satisfactory completed by the following students during 2021-2022.

In fulfillment in the project for the bachelor degree in electronics affiliated to sant gadge baba university, Amravati.

Project team:

1. Nikhil kute.
2. Aniket Deshmukh.
3. Ankit Ingle.
4. Govind Likhe.

Guidance by :

Prof. M. Kulkarni.

Prof. R. D. Chaudhary

M.K.
15/6/22
R.D.C.

R.G.C.
Head Of Department

Prof. R. G. Chavan
HEAD OF DEPARTMENT
ELECTRONICS DEPARTMENT
S. L. T. COLLEGE OF SCIENCE
AKOLA



CERTIFICATE

Department Of Electronics

Shir R.L.T College Of Science, Akola

This is to certify that the project work entitled "**Astable Multivibrator Circuit With An LM741 OP AMP Chip**" has been satisfactory completed by the following students during 2021-2022.

In fulfilment in the project for the Bachelors degree in Electronics affiliated to Sant Gadge Baba University, Amravati.

Project team:

- **Vaishnavi Tekade**
- **Tanaya Apurva**
- **Vishakha Lokhande**

Guided By:

Prof. M. Kulkarni

huProf.R.D.Choudhary

Head Of Department

Prof.R.G.Chavan

HEAD
ELECTRONICS DEPARTMENT
R. L. T. COLLEGE OF SCIENCE
AKOLA

To,
The Principal,
RLT College of Science
Akola.

Subject :- About getting financial assistance on the Project of "Development and Design of Hydrogen fuel cell and Hydrogen powered Engines / vehicles".

Respected Sir,

I have the honour to state that, I Yash Shrikant Jayale, Student of B.Sc - 2nd year in P3-group, Shree R.L.T college of Science, Akola. I have invented a water bike and filing a patent application in the Indian patent office under the title of "Design and Development of Hydrogen fuel cell and Hydrogen powered Engines/ vehicles". I need your financial help to complete this project, the required financial amount of Rs. 4,00,000/- (four lakh Rupees) for my further development & Research on the project, So it will be very helpful for me if you give ~~me~~ some part of that required amount by your convenience

Place :- Akola

Date 01-02-2021

your faithfully



Controller General of Patents, Designs & Trade
Marks
S.M.Road, Antop Hill, Mumbai-400037
Tel No. (091)(022) 241377910,24141026 Fax No. 022
24130387
E-mail: mumbai-patent@nic.in
Web Site: www.ipindia.gov.in



सत्यमेव जयते

G.A.R.6
[See Rule 22(1)]
RECEIPT



INTELLECTUAL
PROPERTY INDIA
PATENTS | DESIGNS | TRADE MARKS
GEOGRAPHICAL INDICATIONS

Docket No 4153

Date/Time 2021/01/24 20:34:00

To
yash shrikant jayale

UserId: yashjayale

House no. L-28, Mhada colony, Kaulkhed,
Akola

CBR Detail:

Sl. No.	Ref. No./Application No.	App. Number	Amount Paid	C.R.R. No.	Form Name	Remarks
I	E-12/122/2021/MUM	202021055330	2500	1825	FORM 9	

TransactionID	Payment Mode	Challan Identification Number	Amount Paid	Head of A/C No
N-0000753001	Online Bank Transfer	2401210002286	2500.00	1475001020000001

Total Amount : ₹ 2500

Amount in Words: Rupees Two Thousand Five Hundred Only

Received from yash shrikant jayale the sum of ₹ 2500 on account of Payment of fee for above mentioned Application/Forms.

* This is a computer generated receipt, hence no signature required.

Print

Home

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Contact Us

नवभारत

सराहनीय

शहर के युवकों ने बनाई पानी से चलने वाली बाइक

3 वर्षों से जारी शोध को मिली सफलता

नवभारत ब्यूरो

अकोला. खारे पानी पर बाइक चलाने का विचार स्थानीय युवकों के दिमाग में दौड़ने लगा. कौलखेड़ क्षेत्र के रहने वाले तथा स्थानीय आरएलटी विज्ञान महाविद्यालय में शिक्षा प्राप्त कर रहे यश जायले ने पहल कर चार दोस्तों की मदद से खारे पानी से चलने वाली बाइक बनाने में सफलता प्राप्त की है. उन्होंने अगले चरण में चौपहिया वाहन तक ले जाने का इरादा जताया है. इस वक्त पेट्रोल के दाम 100 रु. प्रति लीटर तक पहुंच गए हैं. एक सस्ते ईंधन विकल्प की तलाश करते हुए, बीएससी प्रथम और द्वितीय वर्ष के छात्रों को सफलता मिली है. यश जायले, मंदार कल्ले, शंतनु झाकडे, महेश घाटे, अभिजीत धर्मे ने पानी की चलने वाली बाइक पर शोध शुरू किया. यश जायले ने बताया कि, तालाबदी के दौरान उन्हें काफी समय मिला जिसका लाभ उठाकर 8 दिसंबर को बाइक का पहला टायल लिया गया. इसके लिए उन्होंने एक हाइड्रोजन सेल विकसित किया है.



1 लीटर पानी में 40 किमी दौड़ेंगी बाइक

1 लीटर खारे पानी में 40 किमी प्रति घंटा की रफ्तार से बाइक 3 घंटे चलती है. साथ ही, गति बढ़ाने से समय कम हो जाता है. उन्होंने कहा हमें जो पॉकेट मनी मिलती है उससे हम रिसर्व पर खर्च कर रहे हैं. लेकिन सरकार की मदद मिलने पर बड़े वाहनों पर शोध किया जा सकता है.

सामान्य इंजन की तुलना में अधिक शक्तिशाली

यश ने कहा कि बाइक का इंजन सामान्य इंजन की तुलना में अधिक शक्तिशाली है. यह पेट्रोल की तुलना में 3 गुना अधिक बिजली उत्पन्न करता है. हाइड्रोजन का उपयोग सामान्य इंजन में नहीं किया जा सकता है. इसलिए खतरा न हो इसका विशेष ध्यान रखा गया है. यह बाइक हाइड्रोजन पर चलती है. पानी इसका मुख्य स्रोत है. कर्बन बैटरी से सेल में प्रवाहित होता है. ऑक्सीजन और हाइड्रोजन को पानी से अलग किया जाता है. यह कार्बन का उत्सर्जन भी नहीं करता है, जिससे प्रदूषण नहीं होता है. जब ऑक्सीजन की उपस्थिति में हाइड्रोजन को जलाया जाता है, तो जल वाष्प साइलेंसर से बनता है और वायुमंडल में छोड़ा जाता है. यश ने कहा कि रसायन विज्ञान के इलेक्ट्रोलेसिस सिद्धांत का उपयोग इसके लिए किया गया और साथ ही पुरानी सामग्री का उपयोग वाहन बनाने के लिए किया गया है.

केंद्रीय मंत्री नितिन गडकरी से करेंगे मुलाकात

यश के पिता श्रीकांत जायले ने कहा कि वह इस संबंध में केंद्रीय मंत्री नितिन गडकरी से मिलेंगे क्योंकि युवाओं के शोध के दूरगामी परिणाम हैं. उन्होंने इस शोध को उन तक पहुंचाने की मंशा भी व्यक्त की क्योंकि यहाँ में इन्वेंटॉल के उपयोग से उनकी दृष्टि विकासमक है.

नवराष्ट्र

सुखद

3 वर्षांच्या संशोधनाला मिळाले यश

5 युवकांनी बनवली पाण्यावर चालणारी बाईक

नवराष्ट्र ब्युरो

अकोला. खाऱ्या पाण्यावर बाईक चालू शकेल का? याविषयी येथील धडपड्या युवकांच्या डोक्यात विचारचक्र सुरू झाले. आणि कौलखेड भागातील रहिवासी तसेच रालतो विज्ञान महाविद्यालयातील विद्यार्थी यश श्रीकांत जायले याने पुढाकार घेऊन चार सहकाऱ्यांच्या मदतीने खाऱ्या पाण्यावर बाईक चालवण्यात यश प्राप्त केले. पुढचा टप्पा चारचाकीपर्यंत नेण्याचा मानस यश जायले याने बोलून दाखविला. सध्या पेट्रोलचे दर 100 गाडत आहेत अशावेळी स्वस्त इंधनाचा पर्याय शोधला जात असताना बीएस्सी प्रथम आणि द्वितीय वर्षांचे विद्यार्थी यश जायले, मंदार कल्ले, शंतनू झाकडे, महेश घाटे, अभिजीत धर्मे यांनी पाण्यावर चालणाऱ्या बाईकवर संशोधन सुरू केले. लॉकडाऊनच्या



काळात त्यांना भरपूर वेळ मिळाला. आणि 8 डिसेंबर 2020 रोजी बाईकची पहिली चाचणी यशस्वी झाली, असे यश जायलेने सांगितले. यासाठी हायड्रोजन सेल त्यांनी विकसित केला आहे. तो कुठेच मिळत नाही. तसेच त्याचे पेंट

देखील केले आहे. बाईकचे इंजिन डिझाईन केले असून नॉर्मल इंजिनपेक्षा ते पॉवरफूल आहे. पेट्रोलपेक्षा 3 पट जास्त पॉवर ते जनरेट करते, असेही यशने सांगितले. हायड्रोजन नॉर्मल इंजिनमध्ये वापरू शकत नाही. त्यामुळे धोका होऊ

1 लिटर पाण्यात 40 किमी. चालते गाडी

1 लिटर खाऱ्या पाण्यात 40 किमी. प्रती तास वेगाने 3 तास गाडी चालते. तसेच गती वाढविल्यास वेळ कमी होतो. खारे पाणी सुबलक स्वरूपात उपलब्ध असल्याने त्याचा वापर केला जात असल्याची माहिती देण्यात आली. आम्हाला मिलणाऱ्या पाकिट मनीमधून संशोधनावर खर्च करीत आहोत. परंतु शासनाकडून सहाय्य झाल्यास संशोधन मोठ्या वाहनांवर करता येईल, असेही ते म्हणाले.

केंद्रीय मंत्री नितीन गडकरी यांना भेटणार

युवकांचे संशोधन दूरगामी परिणाम करणारे असून यासंदर्भात केंद्रीय मंत्री नितीन गडकरी यांची भेट घेणार असल्याचे यशचे वडील श्रीकांत जायले यांनी सांगितले. याहूनमध्ये इथेनॉलचा वापर करण्यापासून त्यांची दृष्टी विकासात्मक असल्याने हे संशोधन त्यांच्यापर्यंत पोहोचवण्याचा मानस देखील त्यांनी व्यक्त केला.

शकतो ही काळजी घेतली आहे.

हायड्रोजनवर गाडी चालते. पाणी त्याचा मुख्य स्रोत आहे. वॉटरतून सेलला करंट जातो. ऑक्सिजन आणि हायड्रोजन पाण्यातून वेगळे होतात. तसेच कार्बनचे उत्सर्जन त्यातून होत नाही, प्रदूषण होत नाही. हायड्रोजन हे ऑक्सिजनच्या

अस्तित्वात

जळल्यानंतर स्नायलेंसरमधून पाण्याची वाफ तयार होऊन वातावरणात सोडतो. यासाठी रसायनशास्त्राचा इलेक्ट्रोलेसिस सिद्धांत वापरल्याचे तसेच टाकावून टिकावू तत्वानुसार गाडी तयार करण्यासाठी जुन्या साहित्याचा वापर केल्याचे यश जायलेने सांगितले.

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दिव्य
मराठी

अकोला 23-01-2021

दिव्य मराठी विशेष • अकोल्यातील पाच मित्रांचा आविष्कार, रँचोंकडून रसायनशास्त्रातील 'इलेक्ट्रोलिसिस' तत्त्वाचा वापर रस्त्यावर धावली खाऱ्या पाण्यावर चालणारी दुचाकी

प्रतिनिधी | अकोला

इंधन दरवाटीमुळे सामान्यांना घाम फुटला असतानाच आता चक्क खाऱ्या पाण्यावर चालणारी दुचाकी तयार करण्यात आली असून ट्रेस्ट इण्डव्ही झाली आहे. अकोल्यातील पदवीचे शिक्षण घेत असलेल्या पाच मित्रांनी हा आविष्कार केला असून या प्रयोगात आपली सुधारणा होण्यासाठी या रँचोंचा सरकार आणि समाजाकडून आर्थिक पाठबळासह अन्य साहाय्ये हवे आहे.

पेट्रोल, डिझेलचे दर गगनाला भिडत असून इंधनावर होणारा खर्च वाचवा, यासाठी अन्य पर्यायांचाही अवलंब करण्यात येत आहे. अशातच आता अकोल्यातील पाच युवकांनी इंधनाचा खर्च

वाचवा आणि पर्यायाने पर्यावरणाचे संवर्धनही करावे, यासाठी पाण्यावर चालणारी दुचाकी तयार केली आहे. कौलरवेड परिसरात राहणाऱ्या वयस जायले, शंतनू झाकडे, अमिजित धमे, मंदार फाल्के आणि महेश घाटे या पदवीच्या पहिल्या-दुसऱ्या वर्षाचा शिकत असलेल्या मित्रांना एका वेगळ्याच कल्पनेने झपाटले. ही कल्पना होती खाऱ्या पाण्यावर चालणारी दुचाकी तयार करण्याची. या सर्वांच्या मनात चार वर्षांपासून हा विचार सुरू होता. अखेर ही कल्पना प्रत्यक्षात उतरवण्यासाठी त्यांनी कॅम्प कसली. टाळेवंदीच्या काळात त्यांनी या प्रयोगाला सुरुवात केली. अखेर आठ महिन्यांनंतर त्यांच्या प्रयोगाला यश मिळताना दिसून येत असल्याचा दावा करण्यात येत आहे.



बल्बूमध्ये वायूने सुरू होते इंजिन

रसायनशास्त्रातील 'इलेक्ट्रोलिसिस' तत्त्वाचा वापर करून खाऱ्या पाण्यावर चालणाऱ्या दुचाकीचा प्रयोग प्रत्यक्षात साकारला. पाण्यातील घटक असलेल्या हायड्रोजनचे ऑक्सिजनच्या साहाय्याने ज्वलन करून त्याचे वायुरूपात जतन केले जाते, बल्बूमध्ये

जमा वायूच्या साहाय्याने इंजिन सुरू होते च दुचाकी धावू लागते. यासाठी लागणाऱ्या पाण्यावर रासायनिक प्रक्रिया करणारे तीन हायड्रोजन सेलही याच मित्रांनी तयार केले आहेत. गाडी सुरू झाल्यावर इंजिन स्वतःच बॅटरीला चार्ज करण्याची व्यवस्थाही आहे.

दुचाकीच्या सुट्या भागांतून तयार केली गाडी : वापरण्यायोग्य अन्य दुचाकीचे सुट्टे भाग वापरून या मित्रांनी गाडी तयार केली. विशेष म्हणजे गाडी चालताना यानून कार्बनचे उत्सर्जन होत नाही, असा दावा करण्यात येत आहे. यानून केवळ पाण्याची वाफ बाहेर पडते.

एक लिटर पाणी अन् प्रतितास ४० किमी वेग

एक लिटर खाऱ्या पाण्यात ही दुचाकी प्रतितास ४० किमी वेगाने तीन तास धावू शकते. वेग वाढवल्यास तीन तासांचा वेळ कमी होऊ शकतो. या प्रयोगाचे पेटंट मिळवण्याची प्रक्रिया शेवटच्या टप्प्यात आहे. मात्र, प्रयोगासाठी या विद्यार्थी मित्रांना पैशांची कमतरता भासत आहे. ही दुचाकी ६० ते ७० हजारत उफळव करून देण्याचा विचार आहे.

असे आहेत फायदे

प्रयोगात हायड्रोजन घटक असल्याने पेट्रोलपेक्षा तिप्पट परिणामकारक आहे. यानून इंधनाचा वापर आणि दर याला आळा बसेल. कार्बन डाय ऑक्साइडचेवजाी पाण्याची वाफ उत्सर्जित होत असल्याने पर्यावरणाचे संवर्धन होईल, असा दावा करण्यात येत आहे.



HYDROGEN (WATER) POWERED VEHICLES

TEAM DETAILS

Founder : Yash Jayale

Co-founders:- Abhijeet Dharme
Shantanu Zakarde

**Our inspiration:- We plan to make our India proud to represent
our India pollution free with our innovation.**

Advantages of hydrogen vehicles over current vehicles

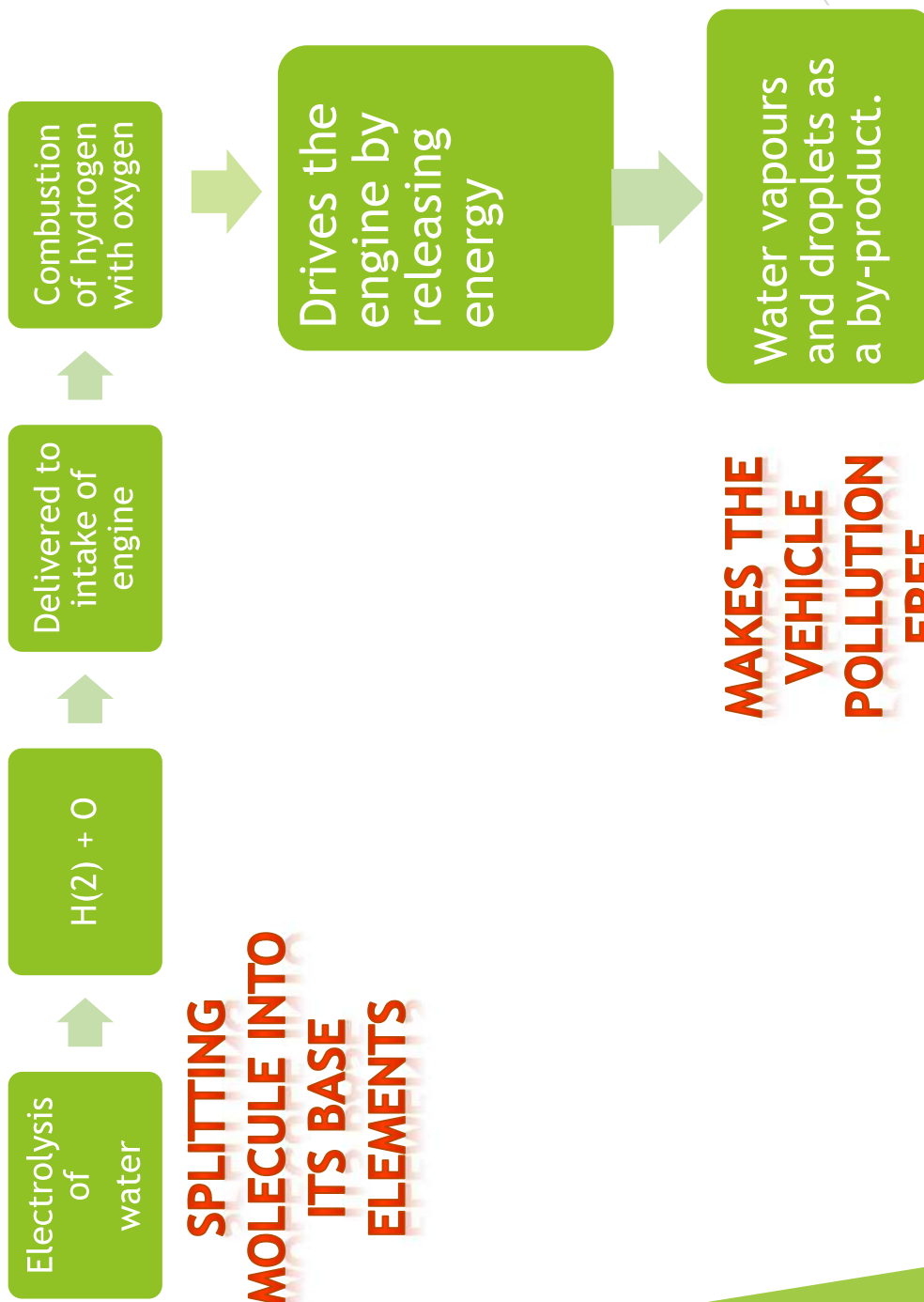
Problems with Current vehicles (electric vehicles /petrol vehicles)

- ▲ Higher refilling costs (petrol -109.70rs /L EV-40rs per charge)
- ▲ Low range/mileage (ev-80Km/charge petrol-65-70km/L)
- ▲ Carbon emissions by burning petrol and making electricity for E-Vs
- ▲ Electromagnetic radiations by EV's

Advantages of Hydrogen powered vehicles

- ▲ Low refilling cost as it need only water (water-8rs/L)
- ▲ High mileage hydrogen vehicles -200Km/L (water)
- ▲ Pollution free vehicles only water vapours as a exhaust by product
- ▲ Low running costs (0.04Rs/Km)

How it works



**SPLITTING
MOLECULE INTO
ITS BASE
ELEMENTS**

**MAKES THE
VEHICLE
POLLUTION
FREE**

Technical specifications

- ▲ Our technology runs the engine using water as a fuel source with the help of electrolysis for splitting water molecules into hydrogen and oxygen atoms as a fuel
- ▲ This vehicle is zero emission it gives PURE WATER droplets and water vapours out of it
- ▲ Engine efficiency is increased up to 77%
- ▲ Mileage approx. 200 km Per litre
- ▲ Electronic microprocessor fuel injection system
- ▲ Easy & safe to use.

Advanced fuel delivery system

- ▲ Hydrogen Fuel Injectors (self developed)
- ▲ ECU for controlling fuel injectors.
- ▲ Better throttle response .

Our developmsnt stage of electrolysers for better efficiency



Prototypes tests and results

- Mileage test - 210km per litre of water
- Battery charge test - we don't need to charge the battery is charged by the vehicle itself while running
- Power test - the power output from the vehicle is 3 times greater than basic petrol based vehicles and 2 times greater than electric vehicle
- Efficiency test - we have checked efficiency of the vehicle by checking all the losses and final output is 78% minimum efficiency



First Prototype



Second Prototype

NEWS

लोकमत

पवीच्या विद्यार्थ्यांनी गावला नवा शोध, सरकार अन् समाजाकडून अधिक मदतीची अपेक्षा

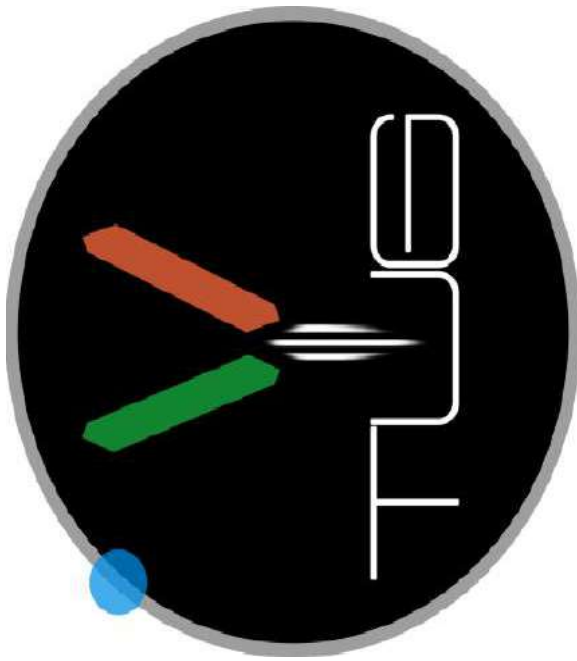
पाच युवकांनी बनविली खाऱ्या पाण्यावर चालणारी दुचाकी

लोकमत न्यूज टिचरकडे अकोला : शहरातील कॅम्पसकडे विलंबातून येणाऱ्या विद्यार्थ्यांना सोबत घेऊन गावण्याच्या मार्गावरून येण्यासाठी खाऱ्या पाण्यावर चालणारी दुचाकी बनविली जाऊ शकते असा शोध शहरातील विद्यार्थ्यांनी घेतला आहे. या युवकांनी बनविलेल्या दुचाकीची तयारी सध्या शहराच्या पर्वतारोहण मार्गावरून येणाऱ्या विद्यार्थ्यांना सोबत घेऊन गावण्याच्या मार्गावरून येण्यासाठी खाऱ्या पाण्यावर चालणारी दुचाकी बनविली जाऊ शकते असा शोध शहरातील विद्यार्थ्यांनी घेतला आहे. या युवकांनी बनविलेल्या दुचाकीची तयारी सध्या शहराच्या पर्वतारोहण मार्गावरून येणाऱ्या विद्यार्थ्यांना सोबत घेऊन गावण्याच्या मार्गावरून येण्यासाठी खाऱ्या पाण्यावर चालणारी दुचाकी बनविली जाऊ शकते असा शोध शहरातील विद्यार्थ्यांनी घेतला आहे.

शहरातील विद्यार्थ्यांनी घेतला आहे. या युवकांनी बनविलेल्या दुचाकीची तयारी सध्या शहराच्या पर्वतारोहण मार्गावरून येणाऱ्या विद्यार्थ्यांना सोबत घेऊन गावण्याच्या मार्गावरून येण्यासाठी खाऱ्या पाण्यावर चालणारी दुचाकी बनविली जाऊ शकते असा शोध शहरातील विद्यार्थ्यांनी घेतला आहे. या युवकांनी बनविलेल्या दुचाकीची तयारी सध्या शहराच्या पर्वतारोहण मार्गावरून येणाऱ्या विद्यार्थ्यांना सोबत घेऊन गावण्याच्या मार्गावरून येण्यासाठी खाऱ्या पाण्यावर चालणारी दुचाकी बनविली जाऊ शकते असा शोध शहरातील विद्यार्थ्यांनी घेतला आहे.

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Team TUG

Thank you

Department of Botany & Zoology

Mini-Project: To make Biodiversity Calendar

To know the value of biodiversity and inculcate environmental consciousness among students and society, every year, designing and publication of the Biodiversity Calendar is an innovative attempt made by B. Sc. II (Biology) students under the supervision of Dr. Archana S. Sawarkar (Dept. of Zoology) and Dr. Anjali A. Sangole (Dept. of Botany). Along with flora and fauna, academic holidays as well as special days concerning environmental issues and the importance of biodiversity are mentioned in it. Biodiversity Calendar became masterpiece of efforts taken by students to complete their participatory learning project.

This project helped to increase the observation power of the students. The students began to carefully observe the surrounding flora and fauna. They prepared check lists of locally available plants and animals. Some Environmental awareness workshops were organized by Shri R.L.T. College in collaboration with other schools and colleges. Students and teachers of our college worked as resource persons for workshops like- 'Biodiversity conservation: Need of the Day, 'Conserve Nature for Bright Future' etc. Biodiversity Calendars were gifted in schools, colleges, and society.

Our parents and teachers gave economic contributions and motivated students to work as Nature messengers for our society.

SHRI R.L.T. COLLEGE OF SCIENCE, AKOLA

BIODIVERSITY CALENDER-2017

JANUARY

S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

FEBRUARY

S	M	T	W	T	F	S
				1	2	3
				4	5	6
				7	8	9
				10	11	12
				13	14	15
				16	17	18
				19	20	21
				22	23	24
				25	26	27
				28		

Contributors: B.Sc. II (Biology) Students
Supervisors: Dr. Archana S. Sawarkar; Dr. Anjali A. Sangole

SHRI R.L.T. COLLEGE OF SCIENCE, AKOLA

BIODIVERSITY CALENDER-2018

PHYLUM - PHEOPHYTA (BROWN ALGAE)

Pheophyta or brown algae rare group of autotrophic, multicellular organism. They contain the xanthophyll pigment-fucoxanthin, in addition to chlorophyll a and c. They are composed of eukaryotic or prokaryotic cell. They are mainly marine. Only four and five species are fresh water living. They are multicellular filamentous and complex in nature.

They are brown in colour because brown pigment are more in the cells than other pigments. Polysaccharides and alcohol are stored as reserve food. Alteration of generation is found in most of the species. Their gametes or zoospore hve flagella of different sizes

JULY

S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

AUGUST

S	M	T	W	T	F	S
						1
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Contributors: B.Sc. II (Biology) Students
Supervisors: Dr. Archana S. Sawarkar; Dr. Anjali A. Sangole

SHRI R.L.T. COLLEGE OF SCIENCE, AKOLA
BIODIVERSITY CALENDAR-2019

Phylum - Annelida
 Metamerically segmented and coelomate animals. They exhibit organ-system level of body organisation and bilateral symmetry.

MAY							JUNE						
M	T	W	T	F	S	S	M	T	W	T	F	S	
			1	2	3	4	30	1	2	3	4	5	
5	6	7	8	9	10	11	6	7	8	9	10	11	
12	13	14	15	16	17	18	12	13	14	15	16	17	
19	20	21	22	23	24	25	18	19	20	21	22	23	
26	27	28	29	30	31		24	25	26	27	28	29	

Contributors: B.Sc. II (Biology) Students
 Supervisors: Dr. Archana S. Sawarkar; Dr. Anjali A. Sangole

SHRI R.L.T. COLLEGE OF SCIENCE, AKOLA
BIODIVERSITY CALENDAR-2020

The sporophytes (the diploid form of the plant) of bryophytes are unbranched, producing a single spore-producing capsule (sporangium).

NOVEMBER							DECEMBER						
M	T	W	T	F	S	S	M	T	W	T	F	S	
1	2	3	4	5	6	7	1	2	3	4	5	6	
8	9	10	11	12	13	14	7	8	9	10	11	12	
15	16	17	18	19	20	21	13	14	15	16	17	18	
22	23	24	25	26	27	28	19	20	21	22	23	24	
29	30						25	26	27	28	29	30	

Contributors: B.Sc. II (Biology) Students
 Supervisors: Dr. Archana S. Sawarkar; Dr. Anjali A. Sangole

SHRI R.L.T. COLLEGE OF SCIENCE, AKOLA
BIODIVERSITY CALENDAR-2021

Mollusca is the second-largest phylum of invertebrate animals after the Arthropoda. They are soft-bodied and commonly protected by calcareous shell.

JANUARY							FEBRUARY						
M	T	W	T	F	S	S	M	T	W	T	F	S	
31				1	2		1	2	3	4	5	6	
3	4	5	6	7	8	9	7	8	9	10	11	12	
10	11	12	13	14	15	16	14	15	16	17	18	19	
17	18	19	20	21	22	23	21	22	23	24	25	26	
24	25	26	27	28	29	30	28						

Contributors: B.Sc. II (Biology) Students
 Supervisors: Dr. Archana S. Sawarkar; Dr. Anjali A. Sangole



Badgajar
 Head,
 Department of Botany
 R.L.T College of Science
 AKOLA



Sushil M. Nagrate
 Dr. Sushil M. Nagrate
 Head,
 Dept. of Zoology,
 Shri R.L.T. College of Science
 AKOLA

Department of Zoology

Mini Project: Survey of Birds in Akola

The project entitled "Birds of Akola" is a piece of work carried out by B.Sc. II (Sem. IV) students under the supervision of Dr. Archana S. Sawarkar. It is an innovative experiential learning project which included 329 species of birds from 69 families found in Akola region. Information about habit and habitat, general characters, feeding behaviour, and ecological importance of each bird is given. Proceeding of the project was released by the hands of Dr. R. B. Heda, President, The B.G.E. Society, Akola on 12th March 2019.

The collage contains the following elements:

- Top Left:** A group of students and faculty members gathered around a table, possibly during the project's completion ceremony.
- Top Middle:** The cover page of the project report, titled "Birds of Akola", published by the Department of Zoology, Shri R.L.T. College of Science, Akola.
- Top Right:** A decorative page featuring illustrations of various birds, including a parrot, a white egret, a kingfisher, and a blue bird.
- Middle Left:** A certificate from the Department of Zoology, Shri R.L.T. College of Science, Akola, certifying the completion of the "Birds of Akola" project.
- Middle Right:** A detailed list of 329 bird species, organized by family and species, with columns for Name, Size, and Value of the specimen.
- Bottom Left:** A handwritten student report on the "Baldpate" bird, including its scientific name, characteristics, and habitat.
- Bottom Right:** A photograph of two students, a girl and a boy, sitting at a desk and working on their project.

Sushil M. Nagarkar
 Dr. Sushil M. Nagarkar
 Head,
 Dept. of Zoology,
 Shri R.L.T. College of Science
 AKOLA

Project Assignment

Shri RLT COLLEGE OF SCIENCE, AKOLA
DEPARTMENT OF ZOOLOGY
PROJECT ASSIGNMENT
2021-22

B.Sc.III Sem VI
List of Students who are not participates in Sparrow nest making activity; they kindly submit the assignment on or before 22/04/2022

Sr. No	Name of Students	Project Assignment Topic	Submission Date	Sign
1	AACHAL PANDURANG SHAHAKAR	Genetic Material		
2	KALYANI YASHWANT SAWAI	Mitochondrial DNA	19-04-2022	Ganpati
3	MOHINI SARJERAO THORAT	Deoxy-ribose Nucleic Acid (DNA)		
4	PAYAL SURESH VAIDYA	Ribose Nucleic Acid (RNA)	23/4/22	Rishabh
5	SAKSHI DILIP NAKHALE	Non Genetic RNA		
6	SHRUTI UDAYSINGH THAKUR	DNA Replication		
7	SNEHAL DILIP CHAVHAN	One Gene One Enzyme Hypothesis	22-04-22	Pratiksha
8	ANIKET GAJANAN RAUT	Concept and action of Cistron		
9	MAYUR DINESH KALPEKAR	Overlapping and Jumping Gene	23/04/22	Pratiksha
10	OM RAJU SARAP	Genetic Diseases	23-04-22	Pratiksha
11	SAURABH GUNVANT PAGRUT	Genetic Code		
12	AAKRUTI RASHTRAPAL MAHAJAN	Protein Synthesis	30-04-22	Ganpati
13	ACHAL GANESH POHARE	Protein Synthesis: Transcription	19-04-22	Pratiksha
14	ANKITA PRATAPSING SOLANKE	Protein Synthesis: Translation		
15	ANKITA RAJAN INGLE	Gene Regulation (Promoter & Operator)		
16	ARATI RAJESH KAWALEKAR	Operon Model	19-04-2022	Pratiksha
17	ARTI SHANKAR AGARKAR	Lac Operon Model of <i>E.coli</i>	19-04-2022	Pratiksha
18	ASHVINI GANESH RAUT	Mutation Theory of DeVries	19-04-2022	Pratiksha
19	BHAVANA SUBHASH KANTALE	Mutation : Its Types		
20	DIVYA BABANRAO VIRULKAR	Molecular Basis of Mutation	19-04-2022	Pratiksha
21	DIVYA RAMESH JADHAV	Mutation: Substitute and Frame shift		
22	GAURI VITTHAL KALMEGH	Chromosomal Structural Aberrations	19/04/22	Ganpati
23	LAXMI SATYANARAYAN MHASAYE	Chromosomal Numerical Aberrations	19-04-22	Pratiksha
24	LUCKY KISHOR GUPTA	Mutation: Natural and Induced	6-6-22	Pratiksha
25	MADHAVI GAJANAN SANAP	DNA Repair process	20-04-22	Pratiksha
26	MAYURI RAJESH DHANBHAR	Polymerase Chain Reaction (PCR)	19.4.22	Pratiksha
27	MISBAH RAHAT ZAFARULLAH KHAN	Southern Blotting Technique (SBT)	22-4-22	Pratiksha
28	NEHA GAJANAN SONTAKKE	Northern Blotting Technique (NBT)	19/04/22	Pratiksha
29	NISHIGANDHA SHASHIKANT LAD	Western Blotting Technique (WBT)	19/04/22	Pratiksha
30	PRACHI DILIP DALU	DNA Finger Printing	19/04/22	Pratiksha
31	PRATIKSHA BHAQWAN BHOPLI	Biotechnology: Scopes and Significance	19/04/22	Pratiksha
32	PRIYA RAO SAHEB WAHURWAGH	Genetic Engineering	22/4/22	Pratiksha
33	PRIYANKA VISHNU DHABADGHAV	Recombinant DNA Technology (RDT)	19/04/22	Pratiksha
34	RAKSHA GOPAL SHARMA	Gene Cloning	19/04/22	Pratiksha
35	REKHA RATIRAM BAJIYA	Plasmid and Phase Vectors	19/04/2022	Pratiksha
36	ROSHNI TULSHIRAM AMBHORE	Somatic Cell Hybridisation (SCH)	19/04/2022	Pratiksha
37	RUTUJA SANTOSH DANDALE	Hybridoma Technology (HT)	19/04/22	Pratiksha
38	SADAF SANDOVAR MOHAMMAD YASEEN	Monoclonal Antibodies	19.04.22	Pratiksha
39	SAKSHI PRAMOD PAYGHAN	Biotechnology: Applications & Hazards	19/04/22	Pratiksha
40	SAKSHI ARUN GADLINGE	Immunology	19/04/22	Pratiksha
41	SAKSHI SUNIL TAYADE	Immunity : Innate and Adaptive		
42	SAPANA SURESH PATEL	Immune cells : Types and Productions	19-04-22	Pratiksha

[SSK/Criterion-II/ Teaching, Learning & Evaluation/ QIM-2.3.1]

No.	Name of Students	Project Assignment Topic	Submission Date	Sign
43	SAUBIYA ANAM SYED IRSHAD ALI	Humoral Immunity	18/4/2022	Saubiya
44	SHRUTI AJAY SONONE	Antigen and Haptens	19/4/2022	Sonone
45	SHUBHANGI KAILAS YADGIRE	Antibody: Types and Function	22/4/22	Syadgire
46	SOFIYA KHAJA HUSSAIN SHEIKH	Cell Mediated Immunity		
47	SUPRIYA DILIP SONONE	T-cell Receptors	19/04/22	Sonone
48	SWATI PANJABRAO DHADSE	T- Helper Cell and Lymphocyte	19/04/22	panjabrao
49	TANAYA MANOJ KHANDARE	Technique : ELIZA		
50	TEJASWINI RATNAKAR BAGADE	Technique : RIA		
51	TITHI UMESH MIRJAMBLE	Genetic Material	19/04/22	Mirjamble
52	TRUPTI DNYANDEVRAO BADHE	Mitochondrial DNA	19/04/22	Badhe
53	TWINKLE RAVINDRA GAWAI	Deoxy-ribose Nucleic Acid (DNA)	19/04/22	Gawai
54	VAIBHAVI SANTOSH LONKAR	Ribose Nucleic Acid (RNA)	19/04/22	Lonkar
55	VAISHNAVI BALIRAM MAHALLE	Non Genetic RNA	19/04/22	Mahalle
56	VAISHNAVI SHARAD BACHE	DNA Replication	19/04/22	Bache
57	VIJAYALAXMI VITTHAL UMBARKAR	Genetic Code		
58	VISHAKA CHANDRAMANI TAYADE	Protein Synthesis	19.4.2022	Tayade
59	AJINKYA SHASHIKANT JAMDAR	Protein Synthesis: Transcription	19.4.2022	Jamdar
60	DARSHAN DATTATRAY KHELKAR	Protein Synthesis: Translation		
61	MAHESH SAHEBRAO RATHOD	Gene Regulation (Promoter & Operator)		
62	MOHIT KAMALKISHOR SHARMA	Operon Model	19.4.2022	Sharma
63	PRASHAD SANTOSHRAO EKADE	Lac Operon Model of <i>E.coli</i>	19.4.2022	EKADE
64	ROHAN MILIND SADANSHIV	Mutation Theory of DeVries		
65	SAHADEO KISAN LOKHANDE	Mutation : Its Types		
66	SAURABH PRAKASH WANKHADE	Molecular Basis of Mutation		
67	SHREYAS KRISHNA SUTAR	Mutation: Substitute and Frame shift	19.4.2022	Sutar
68	SHUBHAM CHANDRAKANT WANKHADE	Chromosomal Structural Aberrations		
69	SHUBHAM SANTOSH MASNE	Chromosomal Numerical Aberrations		
70	SONU MAHESH SAWLANI	Mutation: Natural and Induced		
71	VISHAL MAHADEV ANDHALE	DNA Repair process	19/04/2022	Andhale
72	VISHAL PUNDLIK CHONDKE	Polymerase Chain Reaction (PCR)		
73	AACHAL GAJANAN DONGE	Southern Blotting Technique (SBT)	19/04/2022	Donge
74	ANAJALI SANJAY MATRE	Northern Blotting Technique (NBT)	19/04/2022	Matre
75	DIVYA VASUDEORAO MATE	Western Blotting Technique (WBT)	19/04/2022	Mate
76	DIVYANI SANJAY KHANDARE	DNA Finger Printing	19/04/2022	Khandare
77	DNYANESHWARI SANTOSH AWALE	Mutation Theory of DeVries	19/04/2022	Awale
78	KALYANI SUNIL PURI	Biotechnology: Scopes and Significance	19/04/2022	Puri
79	NIKITA JAYANAND TEMBHEKAR	Genetic Engineering	19/04/2022	Tembhekar
80	POOJA RAJU INGLE	Recombinant DNA Technology (RDT)	19/04/2022	Ingle
81	PRATIKSHA HIMMATRAO SADAR	Gene Cloning	19/04-2022	Sadar
82	RADHIKA SANJAY KALEKAR	Plasmid and Phase Vectors		
83	SHRUTI NARAYANRAO WAJIRE	Somatic Cell Hybridisation (SCH)	20/04/2022	Wajire
84	VAISHNAVI RAJESH DANDALE	Hybridoma Technology (HT)	19/04/2022	Dandale
85	VARSHA MANOJ BAGDE	Monoclonal Antibodies	19/04/2022	Bagde
86	ANKIT UTTAMPURI GOSAVI	Biotechnology: Applications & Hazards	20/04/2022	Gosavi
87	DIGVIJAY RAM KAMBLE	Genetic Code	25/04/2022	Kamble
88	MAYUR RAJENDRA MHAISANE	Protein Synthesis	20/04/2022	MHAISANE



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Field Project:

SURVEY OF DUST POLLUTANTS FROM DIFFERENT AREAS OF AKOLA CITY

All the students of BSc II/ Sem IV had given the project assignment to perform a survey of dust pollutants in different areas of Akola city. About 190 students were allotted different areas in the group of 4-5 students.

Collections of samples from Dust samples were collected from 40 main areas of Akola city. The tiles of size 10×10 cm² were placed for collection of dust every day for 24 hours daily for 15 days.

Qualitative Analysis of Dust Samples: Nitrates and Sulphate content by the standard laboratory method.

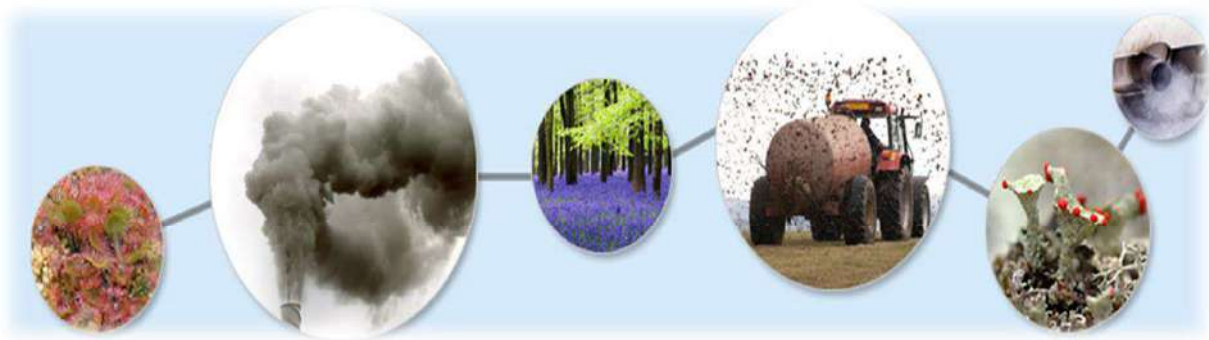
Conclusion: While doing the study we found that the dust in Akola city is harmful for living beings, in qualitative analysis presence of Sulphates and Nitrates were recorded which are harmful and may causes Cardiac and Pulmonary diseases. The PM (Particulate Matter) showed presence of pollens in different samples which are the allergens for respiratory diseases. Through this study we tried to make awareness among the peoples about Dust pollution and the preventions. By doing this survey students get knowledge about the Environment Consciousness and disadvantages of pollution for human beings.



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Coordinator
Shri R. L. T. College o Science, Akola



Dr. V. D. Nanoty
Principal
Shri R. L. T. College o Science, Akola



SURVEY OF DUST POLLUTANTS FROM DIFFERENT AREAS OF AKOLA CITY

INTRODUCTION:

What is Dust pollution?

- Dust in homes and offices consists of plant pollen, human and animal hairs, textile fibres, paper fibres, minerals from outdoor soil, human skin cells, burnt particles and many other materials.
- Dust kicked up by vehicles moving on roads make up to 33% air pollution.
- Dust and pollution particles mix in the atmosphere and can travel for days across continents and countries before settling on the ground surface.
- Pollution caused by dust and particles, poses grave danger to children, older people and people with respiratory illnesses.

Risk from dust pollution in Akola city:

- People with heart or lung diseases and other chronic diseases are at increased risk from dust and particle pollution.
- Increased levels of dust pollution road construction work and sites is affecting thousands of residents.
- People cannot move without wearing face masks.
- Many are checking into hospitals because of breathing problems (Respiratory diseases).

Dust particles, often referred to as **particulate matter** (PM), in the atmosphere arise from a wide variety of sources. Both the size and chemical composition vary widely in relation to the nature of the source and the history of the particles. Coarse particulates can be regarded as those with a diameter greater than 2.5 μm (e.g. PM₁₀ – 10 μm), and fine particles less than 2.5

μm ($\text{PM}_{2.5}$). Under humid conditions many particles attract water vapour and grow to form small droplets. The term 'aerosol' is often used for both solid particles and droplets suspended in air.

Particulate matter may be generated mechanically, for example by the wind, may be emitted directly to the atmosphere or may be formed by reactions in the atmosphere from precursor gases (e.g. Pruppacher & Klett, 1978). The three major sources, each forming their own size mode, are (e.g. Noble & Prather, 1996):

1. Chemical reactions of gases in the atmosphere:

These can result in the production of small particles of a few nm diameter (1 nm is one thousand millionth of a metre) which grow relatively quickly by coagulation. There are a number of formation paths:

- Sulphates are formed from the atmospheric reaction of sulphur dioxide (SO_2) derived from man-made or volcanic emissions, or from natural oceanic emissions of di-methyl sulphide (DMS).
- Nitrates are formed from the oxidation of nitrogen dioxide (NO_2), which itself is mainly derived from the oxidation of nitric oxide (NO) released during fossil fuel combustion, to form nitric acid, which can then react to produce nitrates.
- Ammonium containing aerosols result from reaction of ammonia (NH_3) emissions with acidic gases.
- Organic aerosols result from gas-phase oxidation of man-made and natural emissions of non-methane volatile organic compounds (NMVOCs), usually in the presence of sunlight to drive the oxidation process.

2. Combustion processes:

These include industrial and transport related combustion processes, which directly emit fine particles, typically in the size range 0.1 - 2.5 μm diameter (1 μm is one millionth of a metre):

- carbon containing particles (soot) are emitted from the combustion of carbon-based fuels (coal, oil, natural gas) by industry and vehicles
- particles containing are emitted from a wide variety of industrial and transport sources. Concentrations of heavy metals in air as particulate matter (PM) do not currently exceed guidelines for human health in rural air, but there are few data to

quantify the risks in urban areas, especially where resuspension from traffic may be an important secondary source (Derwent *et al.*, 2009)

- fly-ash particles are emitted from high temperature combustion of coal.

3. Mechanical generation:

This produces coarse particles (2.5 - 20 μm) which are distributed by wind turbulence:

- metal-containing particles come from frictional sources, such as wear of tyres and brakes (Thorpe and Harrison, 2008)
- mineral-containing particles are emitted from erosion of agricultural soils, volcanic eruptions, quarrying and building activities
- cement and fertiliser dusts come from factories and construction sites – some may also be emitted directly
- sea-salt particles are produced from bubbles bursting over the oceans and at the sea coast

Chemical reactions of acidic SO_2 and NO_x with alkaline NH_3 also occur on the surface of existing particles. These reactions lead to substantial mixing between the different pollutants contained in particles. Hence, after a lifetime of several days in the atmosphere, an individual particle might contain both water-soluble components (e.g. sulphate, nitrate and ammonium) and insoluble components (e.g. carbon, heavy metals or soil).

The rates at which particles are removed from the atmosphere depend strongly on their size (e.g. Slinn, 1982). Large particles deposit rapidly near their source by gravitational settling, while very fine particles also deposit relatively fast because they are mobile. Particles of intermediate size range (0.1 - 2 μm) deposit slowly, and can therefore be transported over long distances between different countries and continents.

Impacts and Issues:

Given the wide variety of pollutants and chemical compositions involved, dust particles play a role in many air pollution issues. These include:

[SSR/Criterion-II/ Teaching, Learning & Evaluation/ QIM-2.3.1]

- human health effects of particles; respiratory and heart problems caused by inhalation of small particles has been related to the mass concentration of particles below 10 μm diameter (PM10, e.g. Prescott et al., 1998)
- localised effects of dusts covering vegetation (Farmer, 1993)
- deposition of regional pollutants causing **acidification** and **eutrophication**
- deposition of heavy metals with toxic effects on plants, animals and humans
- transboundary transport of air pollutants as fine particles
- light scattering leading to the potential to offset global warming.
- climate change will affect PM concentrations in polluted environments by $\pm 0.1\text{-}1\mu\text{g m}^{-3}$ over the coming decades. Wildfires fuelled by climate change could become an increasingly important PM source (RoTAP, 2012)
- light scattering leading to reductions in visibility

The trends in aerosol concentrations over time reflect the rates of emissions of the primary gaseous pollutants, as noted above.

METHODOLOGY:

- 1. Collections of samples from:** Dust samples were collected from five main areas of Akola city.

The tiles of size $10\times 10\text{ cm}^2$ were placed for collection of dust every day for 24 hours daily for 15 days.

- 2. Qualitative Analysis of Dust Samples:** Nitrates and Sulphate content by standard laboratory method.

a. Dust Sample + $\text{BaCl}_2 + \text{dil. HCl} \rightarrow$

b. Dust Sample + $\text{FeSO}_4 \rightarrow$

- 3. Quantitative Analysis of Dust Samples.**

Test for Particulate matter (Pollen Grains):

The dust samples from different areas were taken in small amount on a clean glass slide. A drop of Borax carmine stain was put on the sample and a cover slip is placed over it. Then the slide was focussed under the stereoscopic microscope. Under high power the pollens are found in some samples from different areas of Akola City and images were taken.

Ref: <https://uk-air.defra.gov.uk/air-pollution/effects>

**Sant Gadge Baba Amravati University, Amravati
Record of Internal Assessment**

Project Assignment of (B5+ B3+ B6)

Name of the College: Shri R.L.T. College of Science, Akola

Class: B.Sc. II (SEM –IV) Session: 2019-20 Subject: Zoology

Name of the Teacher: Dr. Rashmi Joshi Sawalkar

List of Groups of Students for Project Assignment

SURVEY OF DUST POLLUTANTS FROM DIFFERENT AREAS OF AKOLA CITY

Sr. No.	Name of students	Name of group	Area of Dust sample collection
1	Sanjana S. Lundwani	Group A	Sindhi Camp Area
2	Sakshi S. Dubey		
3	Saumya R. Jadoun		
4	Vishakha B. Bhatkar		
5	Sakshi Kondawar		
6	Sakshi Tayde		
7	Sakshi S. Khade	Group B	Civil Lines
8	Vaishnavi V. Pandit		
9	Saba Sheikh		
10	Samiksha Dongre		
11	Shraddha Dongre		
12	Swati S. Shinde	Group C	Mothi Umari
13	Shruti Mankar		
14	Shrutika Deshmukh		
15	Sakshi Ghaywat		
16	Vaishnavi Sabe		
17	Sonali R. Dhurve	Group D	Pawan Nagari
18	Vaishnavi Kakad		
19	Sanjana Ingle		
20	Shweta Mali		
21	Vaishnavi Bhivate		
22	Sakshi G. Jalamkar	Group E	Zilha Parishad colony Khadki
23	Prachi R. Dhomne		
24	Vaishnavi N. Gaikwad		
25	Shraddha P. Kharode	Group F	Engineer colony, Mothi Umari
26	Priya C. Khobre		
27	Yogita D. Chimkar		
28	Priya G. Wahurwagh		
29	Shatakshi P. Nawlakhe		

30	Tanashree G. Khiradkar	Group G	Malkapur
31	Shruti P. Lande		
32	Radha T Badhe		
33	Vaishnavi A. Andhale	Group H	New Bus Stop
34	Suvarna K. Thakare		
35	Shivani D. Phatakar		
36	Vishakha D. Gharat		
37	Aditi Prashant Chaukhande		
38	Dipali Narayan Aswar	Group I	Civil Hospital/ Govt. Medical College square.
39	Priya Prakash Khandare		
40	Vaishnavi S Ingle		
41	Mamta A.Parihar		
42	Ashvini B. Bholwankar	Group J	Shivar (Shivani)
43	Gaytri G. Satarkar		
44	Ankita Gajbhiye		
45	Dnyaneshwari Polkat		
46	Bhuneshwari Deshmukh		
47	Devika N. Pathar	Group K	Ranpise nagar
48	Aishwarya Sonone		
49	Darshana Tapre		
50	Radhika A. Gawande		
51	Shubhangi H. Tapare		
52	Arti G. Kadu	Group L	Yevta Road, Tathod layout
53	Amisha Pradhan		
54	Bhagyashree D. Nagpure		
55	Shivani Gamgamwar		
56	Vaishnavi Maisane		
57	Pragati D. Pandav	Group M	Choti Umari
58	Rajashri V. Kharchewah		
59	Ankita G. Dongre		
60	Pallavi R. Dhole		
61	Pallavi D. Kawar		
62	Neha A. Chandragiri	Group N	Khadan road
63	Prajakta P. Boralkar		
64	Amruta A. Khandare		
65	Divya M. Chatarkar		
66	Gayatri S. Deshmukh		
67	Kajal S. Wankhade	Group O	Station Road/ Desai stadium
68	Aarti S. Mundhe		
69	Bhagyashree V. Vilhekar		
70	Kalyani R. Ingle		
71	Jagruti Tayade		

72	Akanksha S. Dongre	Group P	P.D.K.V.
73	Aarti R. Nikame		
74	Mohini M. Gorve		
75	Mohini Mendhe		
76	Neha Sawant		
77	Monika M. Agrawal	Group Q	Anikat
78	Akanksha A. Ingole		
79	Monika P. Kaithwas		
80	Amisha S. Mishra		
81	Prasad K. Gulhane	Group R	Old city/ Dabki road
82	Akhilesh A. Puranik		
83	Pratik K. Kate		
84	Omprakash Tambde		
85	Vaibhav H. Dhole		
86	Hrushikesh B. Tiwari	Group S	Harihar peth
87	Kunal S. Raut		
88	Nikhil V. Sharma		
89	Rushabh R. Ingole		
90	Shrikant S. Sonawane		
91	Deependra B. Saini	Group T	Rajputpura
92	Lalit D. Somwanshi		
93	Shubham M. Yadav		
94	Ajay Ghuge		
95	Gaurav Wankhade		
96	Kuldeep H. Rajguru	Group U	Ramnagar
97	Gaurav P. Bhatkar		
98	Raman S. Rathod		
99	Saurabh P. Harne		
100	Piyush P. Adole		
101	Vaishnavi S. Dhore	Group V	Akot File
102	Suchita P. Vanjari		
103	Shruti S. Band		
104	Tejaswini M. Nemade		
105	Mayuri G. Rathod		
106	Aakanksha S. Bhaiya	Group W	Washim Bypass
107	Radhika V. Patil		
108	Aditi R. Jadhao		
109	Divyani G. Mulatkar		
110	Kalyani R. Kanojiya		
111	Hrutuja B. Gopnarayan		
112	Rajshri G. Raut		
113	Nandini V. Ahir		

[SSR/Criterion-II/ Teaching, Learning & Evaluation/ QIM-2.3.1]

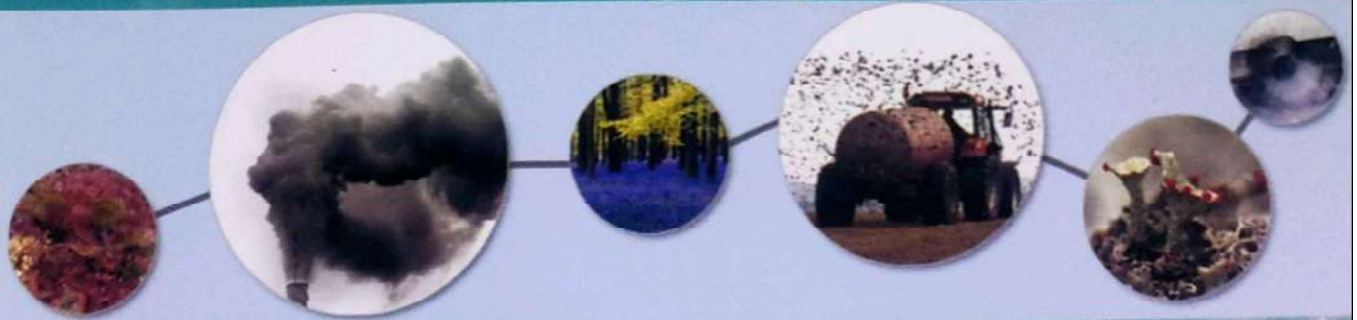
114	Shireen Parveen	Group X	Ganga Nagar
115	Shoeba Noor		
116	Bhavna Kale		
117	Mahima M. Langote	Group Y	Khadaki
118	Ritika P. Kaithwas		
119	Lata B. Gehi		
120	Janvi Mandavgade		
121	Shraddha Sable		
122	Vaishnavi Deshmukh	Group Z	Saraswati Nagar, Tukaram chowk
123	Sejal V. Ingle		
124	Gayatri N sable		
125	Kanchan V. Ingle		
126	Komal G. Gavhale		
127	Sujata B. Wankhade		
128	Durga S. Pore	Group AA	Rajeshwar Mandir Old City
129	Mayuri Rajesh Upadhyay		
130	Samruddhi S. Fokmare		
131	Aarti C. Killedar		
132	Vaishnavi S. Sure		
133	Vaishnavi S. Tayde		
134	Aditi R. Umale	Group AB	Sudhir Colony, Jawahar Nagar
135	Gargi Dilip Shirsat		
136	Prachi R. Badode		
137	Rushali G. Gawai		
138	Madhuri V. Sonune		
139	Kshitija N. Markad	Group AC	Shivsena Vasahat Balapur Naka.
140	Manisha S. Bhonde		
141	Pratiksha Ghuge		
142	Shruti A Thakare		
143	Bhavna R. Mahankar		
144	Ashwini K. Manjare	Group AD	Gudadhi
145	Preeti Shrikrushna Shirsat		
146	Divya N. Wahurwagh		
147	Bhavna G. Shingade		
148	Radha Amode		
149	Jyotsana A. Chavan	Group AE	Shahu-nagar Oldcity
150	Sakshi S. Ingle		
151	Punam M. Raut		
152	Rupali D. Surwade		
153	Pallavi S. Kalmegh		
154	Vaishali G. Kadu		
155	Manisha Vilas Lahe		

[SSR/Criterion-II/ Teaching, Learning & Evaluation/ QIM-2.3.1]

157	Dhanshri V. Gathekar	Group AF	Krushi Nagar
158	Samiksha A Phuse		
159	Pooja G. Gawande		
160	Abhishek P. Zadokar	Group AG	Tapadia Nagar
161	Ajay R. Yadav		
162	Gaurav Deshmukh		
163	Gaurav Wagh		
164	Nirmal Tayade		
165	Pavan P. Ingle	Group AH	New Tapadia-nagar
166	Vikram Shivdas Mahakale		
167	Mahesh Kakad		
168	Avinash Anjankar	Group AI	S.T. Workshop, Kaulkhed
169	Kartik Chaudhari		
170	Suhas T. Umale		
171	Yadhresh Dhore		
172	Atharva Mohokar		
173	Piyush Wankhede		
174	Om M. Dahrenkar		
175	Priya R. Dere	Group AJ	Kharap road, Telephone Colony
176	Prachi R. Dere		
177	Monalisa Oimbe		
178	Minal Prabhe		
179	Ajay P. Gaikwad	Group AK	Kirti Nagar
180	Ganesh A. Tiwale		
181	Dinesh D. Bhagat		
182	Saurabh R. Dhole		
183	Sameer S. Patil		
184	Sanchita Sanjay Ingle	Group AL	Hingna Road
185	Sonali R. Baghe		
186	Shraddha R. Sontakke		
187	Vaibhavi Topale		
188	Monika R. Dhawale		

GROUP:

Sample collected from area: **Shri RLT College of Akola Campus**



SURVEY OF DUST POLLUTANTS FROM DIFFERENT AREAS OF AKOLA CITY

BY

B.SC. II STUDENTS

GUIDED BY

DR. RASHMI P. JOSHI



THE BERAR GENERAL EDUCATION SOCIETY'S
SHRI R. L. T. COLLEGE OF SCIENCE, AKOLA
DEPARTMENT OF ZOOLOGY

2019-20

Shri R. L. T. College of Science, Akola

[SSR/Criterion-II/ Teaching, Learning & Evaluation/ QIM-2.3.1]

Sant Gadge Baba Amravati University, Amaravati
Record of Internal Assessment
Project Assignment of (B5+ B3+ B6)

Name of the College: Shri R.L.T. College of Science, Akola

Class: B.Sc. II (SEM -IV)

Session: 2019-20

Subject: Zoology

Paper: Advanced Genetics and Animal Ecology

Name of the Teacher: Dr. Rashmi Joshi Sawalkar

Designation: Asst. Professor

List of Groups of Students for Project Assignment

Sr. No.	Name of students	Name of group	Area of Dust sample collection	Sign of Students
1	Sanjana S. Lundwani	Group A	Sindhi Camp Area	<u>Lundwani</u>
2	Sakshi S. Dubey			<u>S. Dubey</u>
3	Saumya R. Jadoun			<u>Saumya</u>
4	Vishakha B. Bhatkar			<u>Bhatkar</u>
5	Sakshi Kondawar			<u>Kondawar</u>
6	Sakshi Tayde			<u>S. Tayde</u>
7	Sakshi S. Khade	Group B	Civil Lines	<u>S. Khade</u>
8	Vaishnavi V. Pandit			<u>V. Pandit</u>
9	Saba Sheikh			<u>Sheikh</u>
10	Samiksha Dongre			<u>Dongre</u>
11 *	Shraddha Dongre <u>Sontakke</u>			<u>S. Sontakke</u>
12	Swati S. Shinde	Group C	Mothi Umari	<u>Shinde</u>
13	Shruti Mankar			<u>Mankar</u>
14	Shrutika Deshmukh			<u>S. N. Deshmukh</u>
15	Sakshi Ghaywat			<u>Ghaywat</u>
16	Vaishnavi Sabe			<u>Sabe</u>
17	Sonali R. Dhurve	Group D	Pawan Nagari	<u>Dhurve</u>
18	Vaishnavi Kakad			<u>Kakad</u>
19	Sanjana Ingle			<u>Ingle</u>
20	Shweta Mali			<u>Mali</u>
21	Vaishnavi Bhivate			<u>Bhivate</u>
22	Sakshi G. Jalamkar	Group E	Zilha Parishad colony Khadki	<u>Jalamkar</u>
23	Prachi R. Dhomne			<u>Dhomne</u>
24	Vaishnavi N. Gaikwad			<u>Gaikwad</u>

25	Shraddha P. Kharode	Group F	Engineer colony, Mothi Umari	Shraddha
26	Priya C. Khobre			Priya
27	Yogita D. Chimkar			Yogita
28	Priya G. Wahurwagh			
29	Shatakshi P. Nawlakhe	Group G	Malkapur	Shatakshi
30	Tanashree G. Khiradkar			Tanashree
31	Shruti P. Lande			Shruti
32	Radha T Badhe	Group H	New Bus Stop	R. Bhade
33	Vaishnavi A. Andhale			Andhale
34	Suvarna K. Thakare			S.K. Thakare
35	Shivani D. Phatakar			Shatakshi
36	Vishakha D. Gharat			Chakar
37	Aditi Prashant Chaukhande	Group I	Civil Hospital/ Govt. Medical College square.	Aditi
38	Dipali Narayan Aswar			P.P. Khadare
39	Priya Prakash Khandare			Priya
40	Vaishnavi S Ingle			
41	Mamta A.Parihar			Mamta
42	Ashvini B. Bholwankar	Group J	Shivar (Shivani)	Ashvini
43	Gaytri G. Satarkar			Gayatri
44	Ankita Gajbhiye			Ankita
45	Dnyaneshwari Polkat			DP
46	Bhuneshwari Deshmukh			Bhuneshwari
47	Devika N. Pathar	Group K	Ranpise nagar	Pathar
48	Aishwarya Sonone			Aishwarya
49	Darshana Tapre			D. Tapre
50	Radhika A. Gawande			Gawande
51	Shubhangi H. Tapare			S.H. Tapare
52	Arti G. Kadu	Group L	Yevta Road, Tathod layout	Arti
53	Amisha Pradhan			Pradhan
54	Bhagyashree D. Nagpure			Nagpure
55	Shivani Gamgamwar			Shivani
56	Vaishnavi Maisane			Vannaisae

89	Rushabh R. Ingole			<u>Rushabh</u>
90	Shrikant S. Sonawane			<u>Shrikant</u>
91	Deependra B. Saini	Group T	Rajputpura	<u>Deependra</u>
92	Lalit D. Somwanshi			<u>Lalit</u>
93	Shubham M. Yadav			<u>Shubham</u>
94	Ajay Ghuge			<u>Ajay</u>
95	Gaurav Wankhade			<u>Gaurav</u>
96	Kuldeep H. Rajguru	Group U	Ramnagar	<u>Kuldeep</u>
97	Gaurav P. Bhatkar			<u>Gaurav</u>
98	Raman S. Rathod			<u>Raman</u>
99	Saurabh P. Harne			<u>Saurabh</u>
100	Piyush P. Adole			<u>Piyush</u>
101	Vaishnavi S. Dhore	Group V	Akot File	<u>Vaishnavi</u>
102	Suchita P. Vanjari			<u>Suchita</u>
103	Shruti S. Band			<u>Shruti</u>
104	Tejaswini M. Nemade			<u>Tejaswini</u>
105	Mayuri G. Rathod			<u>Mayuri</u>
106	Aakanksha S. Bhaiya	Group W	Washim Bypass	<u>Aakanksha</u>
107	Radhika V. Patil			<u>Radhika</u>
108	Aditi R. Jadhao			<u>Aditi</u>
109	Divyani G. Mulatkar			<u>Divyani</u>
110	Kalyani R. Kanojiya			<u>Kalyani</u>
111	Hrutuja B. Gopnarayan	Group X	Ganga Nagar	<u>Hrutuja</u>
112	Rajshri G. Raut			<u>Rajshri</u>
113	Nandini V. Ahir			<u>Nandini</u>
114	Shireen Parveen			<u>Shireen</u>
115	Shoeba Noor			<u>Shoeba</u>
116	Bhavna Kale	Group Y	Khadaki	<u>Bhavna</u>
117	Mahima M. Langote			<u>Mahima</u>
118	Ritika P. Kaithwas			<u>Ritika</u>
119	Lata B. Gehi			<u>Lata</u>
120	Janvi Mandavagade			<u>Janvi</u>

121	Shraddha Sable	Group Z	Saraswati Nagar, Tukaram chowk	Sable
122	Vaishnavi Deshmukh			V. Deshmukh
123	Sejal V. Ingle			S. Ingle
124	Gayatri N sable			G. N. Sable
125	Kanchan V. Ingle			K. Ingle
126	Komal G. Gavhale			K. Gavhale
127	Sujata B. Wankhade			S. B. Wankhade
128	Durga S. Pore			D. S. Pore
129	Mayuri Rajesh Upadhyay	Group AA	Rajeshwar Mandir Old City	M. Upadhyay
130	Samruddhi S. Fokmare			S. Fokmare
131	Aarti C. Killedar			A. C. Killedar
132	Vaishnavi S. Sure			V. S. Sure
133	Vaishnavi S. Tayde			V. S. Tayde
134	Aditi R. Umale			A. R. Umale
135	Gargi Dilip Shirsat	Group AB	Sudhir Colony, Jawahar Nagar	G. Dilip Shirsat
136	Prachi R. Badode			P. R. Badode
137	Rushali G. Gawai			R. G. Gawai
138	Madhuri V. Sonune			M. V. Sonune
139	Kshitija N. Markad			K. N. Markad
140	Manisha S. Bhonde	Group AC	Shivsena Vasahat Balapur Naka.	M. S. Bhonde
141	Pratiksha Ghuge			P. Ghuge
142	Shruti A Thakare			S. A. Thakare
143	Bhavna R. Mahankar			B. R. Mahankar
145	Ashwini K. Manjare			A. K. Manjare
146	Preeti Shrikrushna Shirsat	Group AD	Gudadhi	P. Shrikrushna Shirsat
147	Divya N. Wahurwagh			D. N. Wahurwagh
148	Bhavna G. Shingade			B. G. Shingade
149	Radha Amode			R. A. Amode
150	Jyotsana A. chavan			J. A. Chavan
151	Sakshi S. Ingle	Group AE	Shahu-nagar Oldcity	S. S. Ingle
152	Punam M. Raut			P. M. Raut
153	Rupali D. Surwade			R. D. Surwade

154	Pallavi S. Kalmegh	Group AF	Krushi Nagar	<u>Pallavi</u>
155	Vaishali G. Kadu			<u>Kadu</u>
156	Manisha Vilas Lahe			<u>Lahe</u>
157	Dhanshri V. Gathekar			<u>Gathekar</u>
158	Samiksha A Phuse			<u>Aphuse</u>
159	Pooja G. Gawande			<u>Gawande</u>
160	Abhishek P. Zadokar	Group AG	Tapadia Nagar	<u>Abhishek</u>
161	Ajay R. Yadav			<u>Yadav</u>
162	Gaurav Deshmukh			<u>Deshmukh</u>
163	Gaurav Wagh			<u>Wagh</u>
164	Nirmal Tayade			<u>Tayade</u>
165	Pavan P. Ingle			<u>Ingle</u>
166	Vikram Shivdas Mahakale	Group AH	New Tapadia-nagar	<u>Mahakale</u>
167	Mahesh Kakad			<u>Kakad</u>
168	Avinash Anjankar			<u>Anjankar</u>
169	Kartik Chaudhari	Group AI	S.T.Workshop, Kaulkhed	<u>Chaudhari</u>
170	Suhas T. Umale			<u>Umale</u>
171	Yadhresh Dhore ✗			<u>Dhore</u>
172	Atharva Mohokar ✗			<u>Mohokar</u>
173	Piyush Wankhade			<u>Wankhade</u>
174	Om M. Dahlenkar			<u>Dahlenkar</u>
175	Priya R. Dere	Group AJ	Kharap road, Telephone Colony	<u>Dere</u>
176	Prachi R. Dere			<u>Prachidere</u>
177	Monalisa Oimbe			<u>Oimbe</u>
178	Minal Prabhe			<u>Prabhe</u>
179	Ajay P. Gaikwad	Group AK	Kirti Nagar	<u>Gaikwad</u>
180	Ganesh A. Tiwale			<u>Tiwale</u>
181	Dinesh D. Bhagat			<u>Bhagat</u>
182	Saurabh R. Dhole			<u>Dhole</u>
183	Sameer S. Patil			<u>Patil</u>
184				
185				

AL Group

- 1) Sonali Raju Baghe ~~Baghe~~
- 2) Sanchita Sanjay Ingle ~~Ingle~~
- 3) Monika Ravindra Dhawale ~~Dhawale~~
- 4) Pranita P. Sontekke ~~Sontekke~~
- 5) Vaibhavi B. Tople ~~Tople~~ [member of group - X]

GROUP: A...

Sample collected from area: Sindhi Camp Akola.....

Observations and Results:

Sr. no.	Weight of dust samples collected every day.	Average settling rate of dust particles	Nitrate content in sample	Sulphate content in sample
		= $\frac{\text{Total area of Tile} \times \text{Average weight of sample}}{\text{Time}^2}$ mg cm ² / mins.		
1	0.13 mg	0.0090 mg cm ² /min	present	present
2	0.01 mg	0.0007 mg cm ² /min	present	present
3	0.01 mg	0.0007 mg cm ² /min	present	present
4	0.05 mg	0.0035 mg cm ² /min	present	present
5	0.07 mg	0.0049 mg cm ² /min	present	present
6	0.08 mg	0.0055 mg cm ² /min	present	present
7	0.10 mg	0.0069 mg cm ² /min	present	present
8	0.03 mg	0.0021 mg cm ² /min	present	present
9	0.02 mg	0.0014 mg cm ² /min	present	present
10	0.05 mg	0.0035 mg cm ² /min	present	present
11				
12	0.055 mg	0.0038		
13				
14				
15				

GROUP: B...

Sample collected from area: Civil line Road.....

Observations and Results:

Sr. no.	Weight of dust samples collected every day.	Average settling rate of dust particles	Nitrate content in sample	Sulphate content in sample
		$= \frac{\text{Total area of Tile} \times \text{Average weight of sample}}{\text{Time}}$ mg cm ² / mins.		
1	0.05 mg.	0.00347 mg/cm ² /min	Present	Absent
2	0.02 mg.	0.0013 mg/cm ² /min.	Present	Absent.
3	0.02 mg.	0.0013 mg/cm ² /min.	Present.	Absent.
4	0.04 mg.	0.0027 mg/cm ² /min.	Present.	Absent.
5	0.03 mg.	0.0020 mg/cm ² /min	Present.	Absent.
6	0.02 mg.	0.0013 mg/cm ² /min.	Present.	Absent.
7	0.03 mg.	0.0020 mg/cm ² /min.	Present.	Absent.
8	0.04 mg.	0.0027 mg/cm ² /min.	Present.	Absent.
9	0.02 mg.	0.0013 mg/cm ² /min.	Present.	Absent.
10	0.03 mg.	0.0020 mg/cm ² /min.	Present.	Absent.
11				
12				
13				
14				
15				

GROUP: AK

Sample collected from area: Kirti Nagar, Akola.

Observations and Results:

Sr. no.	Weight of dust samples collected every day.	Average settling rate of dust particles = $\frac{\text{Total area of Tile} \times \text{Average weight of sample}}{\text{Time}^2}$ mg cm ² / mins.	Nitrate content in sample	Sulphate content in sample
1	0.01 mg	0.0069 mg cm ² /mins	Positive	Negative
2	0.01 mg	0.0069 mg cm ² /mins	Positive	Negative
3	0.02 mg	0.0138 mg cm ² /mins	Positive	Negative
4	0.02 mg	0.0138 mg cm ² /mins	Positive	Negative
5	0.02 mg	0.0069 mg cm ² /mins	Positive	Negative
6	0.01 mg	0.0138 mg cm ² /mins	Positive	Negative
7	0.01 mg	0.0138 mg cm ² /mins	Positive	Negative
8	0.01 mg	0.069 mg cm ² /mins	Positive	Negative
9	0.01 mg	0.069 mg cm ² /mins	Positive	Negative
10	0.01 mg.	0.069 mg cm ² /mins	Positive	Negative
11				
12				
13	0.01 mg.	0.0096.		
14				
15				

[SSR/Criterion-II/ Teaching, Learning & Evaluation/ QIM-2.3.1]
CALCULATIONS:

Average settling rate of dust particles was calculated by the formula:

$$= \frac{\text{Total area of Tile} \times \text{Average weight of sample}}{\text{Time}} \text{ mg cm}^2/\text{mins}$$

Table:1 Average weight and Settling rate of dust samples collected from different areas from Akola city:

Sr. no.	Group Name	Area from where dust sample collected	Average weight of dust sample	Average settling rate of dust particles
1	Group A	Sindhi Camp Area	0.055 mg	0.0038 mg cm ² /mins
2	Group B	Civil Lines		mg cm ² /mins
3	Group C	Mothi Umari	0.083 mg	0.0054 mg cm ² /mins
4	Group D	Pawan Nagri		mg cm ² /mins
5	Group E	Zilha Parishad Colony, Khadki	0.836 mg	0.0576 mg cm ² /mins
6	Group F	Engineering Colony Mothi Umari	0.046 mg	0.0032 mg cm ² /mins
7	Group G	Malkapur		mg cm ² /mins
8	Group H	New Bus Stand	0.082 mg	0.0046 mg cm ² /mins
9	Group I	Civil Hospital, GMC Square	0.027 mg	0.0018 mg cm ² /mins
10	Group J	Shivar/ Shivani	0.040 mg	0.0318 mg cm ² /mins
11	Group K	Ranpise Nagar	0.020 mg	0.0018 mg cm ² /mins
12	Group L	Tathod Layout, Ycvta Road.	0.014 mg	0.0010 mg cm ² /mins
13	Group M	Choti Umari		mg cm ² /mins
14	Group N	Khadan Road		mg cm ² /mins
15	Group O	Desai Stadium, Station Road.	0.03 mg	0.0063 mg cm ² /mins
16	Group P	P.D.K.V. Akola	0.20 mg	0.0139 mg cm ² /mins
17	Group Q	Anikat	0.066 mg	0.0417 mg cm ² /mins
18	Group R	Dabki Road, Oldcity	0.012 mg	0.0172 mg cm ² /mins
19	Group S	Harihar Peth	0.013 mg	0.0005 mg cm ² /mins
20	Group T	Rajputpura	0.017 mg	0.0011 mg cm ² /mins
21	Group U	Ram-Nagar	0.010 mg	0.0008 mg cm ² /mins
22	Group V	Akot File	0.020 mg	0.0147 mg cm ² /mins
23	Group W	Washim Bypass	0.020 mg	0.0012 mg cm ² /mins
24	Group X	Ganga Nagar		mg cm ² /mins
25	Group Y	Khadaki	0.120 mg	0.0707 mg cm ² /mins
26	Group Z	Saraswati Nagar, Tukaram Chowk		mg cm ² /mins

[SSB/Criterion-II/Teaching, Learning & Evaluation/QIM-2.3.1]

27	Group AA	Rajeshwar Mandir, Squire	0.020 mg	0.0013 mg cm ² /mins
28	Group AB	Sudhir Colony, Jawahar Nagar	0.070 mg	0.0485 mg cm ² /mins
29	Group AC	Shivsena Vasahat, Balapur Naka	0.020 mg	0.0015 mg cm ² /mins
30	Group AD	Gudadhi	0.230 mg	mg cm ² /mins
31	Group AE	Shahu Nagar, Old city		mg cm ² /mins
32	Group AF	Krushni Nagar	0.020 mg	0.0016 mg cm ² /mins
33	Group AG	Tapadia Nagar	0.010 mg	0.0172 mg cm ² /mins
34	Group AH	New Tapadia Nagar		mg cm ² /mins
35	Group AI	S.T. Workshop, Kaulkhed		mg cm ² /mins
36	Group AJ	Kharap Road, Telephone Colony	0.400 mg	0.0611 mg cm ² /mins
37	Group AK	Kirti Nagar, Gaurakshan	0.010 mg	0.0096 mg cm ² /mins
38	Group AL	Hingna Road		mg cm ² /mins

Boshi

[SSR/Criterion-II/ Teaching, Learning & Evaluation/ OIM-2.3.1]
Table:2 Estimation of Nitrate, Sulphate and Particulate matter in dust samples collected from different areas from Akola city:

Sr. no.	Group Name	Area from where dust sample collected	Nitrate content in sample	Sulphate content in sample	Particulate matter (PM), Pollens.
1	Group A	Sindhi Camp Area	✓	✓	✗
2	Group B	Civil Lines	✓	✗	✗
3	Group C	Mothi Umari	✓	✗	✓
4	Group D	Pawan Nagri	✓	✓	✗
5	Group E	Zilha Parishad Colony, Khadki	✓	✓	✓
6	Group F	Engineering Colony Mothi Umari	✓	✗	✗
7	Group G	Malkapur	✓	✗	✗
8	Group H	New Bus Stand	✓	✓	✗
9	Group I	Civil Hospital, GMC Square	✗	✗	✗
10	Group J	Shivar/ Shivani	✓	✓	✓
11	Group K	Ranpisc Nagar	✗	✗	✗
12	Group L	Tathod Layout, Yevta Road	✗	✗	✗
13	Group M	Choti Umari	✓	✓	✗
14	Group N	Khadan Road	✓	✗	✗
15	Group O	Desai Stadium, Station Road.	✓	✓	✗
16	Group P	P.D.K.V. Akola	✓	✓	✓
17	Group Q	Anikat	✗	✗	✗
18	Group R	Dabki Road, Oldcity	✗	✗	✗
19	Group S	Harihar Peth	✗	✗	✗
20	Group T	Rajputpura	✗	✗	✗
21	Group U	Ram-Nagar	✓	✗	✗
22	Group V	Akot File	✓	✓	✓
23	Group W	Washim Bypass	✗	✗	✗
24	Group X	Ganga Nagar	✓	✗	✓
25	Group Y	Khadaki	✓	✓	✗
26	Group Z	Saraswati Nagar, Tukaram Chowk	✓	✓	✗
27	Group AA	Rajeshwar Mandir, Square.	✗	✗	✗
28	Group AB	Sudhir Colony, Jawahar Nagar	✗	✗	✗
29	Group AC	Shivsena Vasahat, Balapur Naka	✗	✗	✗

[SSR/Criterion-II/Teaching, Learning & Evaluation/ QIM-2.3.1]

30	Group AD	Gudadhi	✓	✓	
31	Group AE	Shahu Nagar, Oldcity	✓	✓	
32	Group AF	Krushhi Nagar	✓	✓	
33	Group AG	Tapadia Nagar	✓	✗	
34	Group AH	New Tapadia Nagar	✓	✓	
35	Group AI	S.T. Workshop, Kaulkhed	✗	✗	
36	Group AJ	Kharap Road, Telephone Colony	✓	✓	
37	Group AK	Kirti Nagar, Gaurakshan	✓	✗	
38	Group AL	Hingna Road			

[Handwritten Signature]

[SSR/Criterion-II/ Teaching, Learning & Evaluation/ QIM-2.3.1]



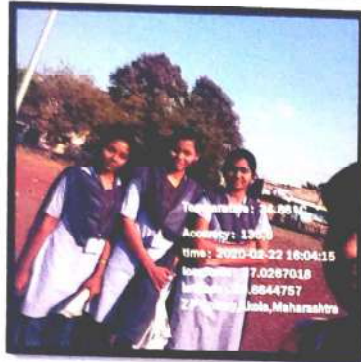
Group A



Group C



Group D



Group E



Group F



Group G



Group I



Group J



Group K



Group L



Group M

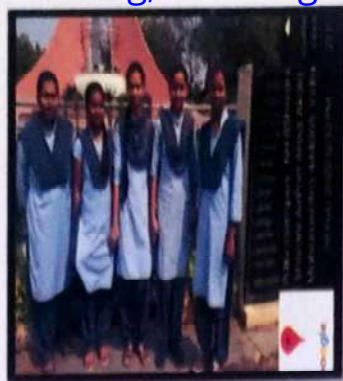


Group N

[SSR/Criterion-II/ Teaching, Learning & Evaluation/ OIM-2.3.1]



Group O



Group P



Group Q



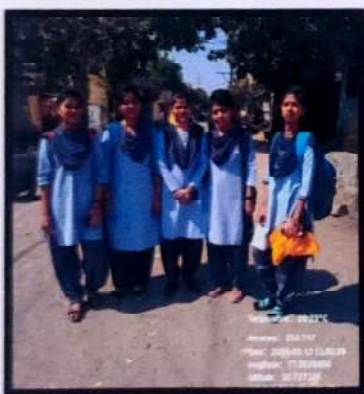
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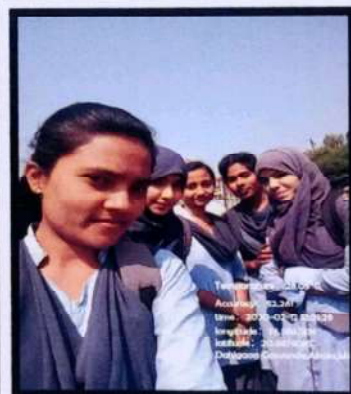
Group T



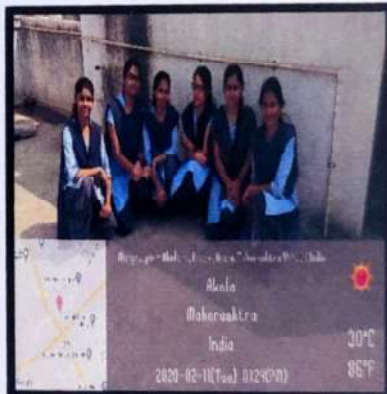
Group U



Group V



Group X



Group Y



Group Z



Group AA



Group AB

[SSR/Criterion-II/ Teaching, Learning & Evaluation/ QIM-2.3.1]

CONCLUSION:

While doing the study we found that the dust in Akola city is harmful for living beings, as in qualitative analysis presence of Sulphates and Nitrates were recorded which are harmful and may causes Cardiac and Pulmonary diseases. The PM (Particulate Matter) showed presence of pollens in different samples which are the allergens for respiratory diseases. Through this study we tried to make awareness among the peoples about Dust pollution and the preventions.



Shri R. L. T. College of Science, Akola

Department of Physics and Sky Observation Club

Diploma Course in Astronomy

Hand-on/Observatory Project List

Session: 2021-2022

Sr. No.	Full Name of Candidate	Class	Name of the Project
1	Aniruddha R. Sawalekar	Bsc III	Telescope making
2	Krishna J. Shulka	Bsc II	— 11 —
3	Sanandan Deshmukh	Bsc II	— 11 —
4	Nikita Thete	Bsc II	— 11 —
5	Sajagata Gawai	Bsc I	— 11 —
6	Aachal Belokar	Bsc I	— 11 —
7	Vrushali Wanphade	Bsc II	— 11 —
8	Chetan Vilas Kale	Msc I	Mechanisms of Seasons
9	Ashwini Kishore Gaikwad	Msc I	— " —
10	Mayuri Vifas Munde	Msc I	— " —
11	Sojwal Mohan Wankhede	Msc I	— " —
12	Priyanka Khandare	Msc I	— " —
13	Shruti Girish Gore	Bsc-I	History of Astronomers
14	Pearchi Kisan Chauhan	Bsc III	Biography of astro
15	Akansha Ajit Deshmukh	Bsc-I	— " — - names.
15	Aachal Rajesh Patil	Bsc-III	— " — - names.
15	Vaishnavi Pandhari Chauhan	Bsc-III	— " — - names.
16	Muktga onkar Wanare	Msc-I	measuring the diameter of the sun
17	prema Ghuikar	Msc-I	— 1 —
18	pooja wanare	Msc-I	— 1 —
19	Ajit Jat	Msc-I	— 1 —
20	Abhishek Baberwal	Msc-I	— 1 —

WankhedeGaikwadPatilGoreChauhanDeshmukhVaishnaviWanareP.P. GhuikarPatilJat

21	Arti Lahariya	msc-I	— —
22	Neha Nagpure	BSc-I	— —
23			
24			
25			
26			
27			
28			
29			

List of Observatory Projects (Any Two)

- 1 Phases of the Moon
- 2 Motion of Planets
- 3 Apparent Motion of the Sun
- 4 Ursa Major and North Star

Sr. No.	Full Name of Candidate	Class	Name of the Project
1	Aniruddha R. Sawastkar	BSC III	1) Phases of moon 2) Ursa major & North star
2	Mukta O. Wanare	MSc I	1) Phases of moon 2) Ursa major & N
3	Pooja P. Wanare	MSc-I	1) Phases of moon 2) Ursa of major
4	Ashwini Craikwad	M.Sc I	1) Phases of Moon 2) Ursa Major
5	Arti D. Lahariya	M.Sc-I	1) Phase of moon 2) Ursa major
6	Prem P. Ghulikar	M.Sc-I	1) Phase of moon 2) Ursa major
7	Mayuri Munde	M.Sc I	1) Phases of Moon 2) Ursa Major
8	Sojwal M. Wankhade	M.Sc-I	1) Phase of moon 2) Ursa major
9	Achal S. Belokar	BSC-I	1) Phases of moon 2) Ursa major & North star
10	Sajagata Gawai	BSC-I	1) Phases of Moon 2) Ursa major
11	Chetan Nitin Kale	Misc-I	1) Phases of moon 2) Ursa Major
12	Abhishek Shivraj Babeswal	Misc-I	1) Phases of moon 2) Ursa Major
13	Neha Anil Nagpure	BSc-I	1) Phases of Moon 2) Ursa Major
14	Shruti Girish Gore	BSC-I	1) Phases of moon 2) Ursa Major
15	Akansha Ajit Deshmukh	BSC-I	1) Phases of moon 2) Ursa Major
16	Achal Rajesh Tayde	B.Sc III	1) Phases of moon 2) Ursa major
17	Poochi Kisan Chavhan	B.Sc III	1) Phases of moon 2) Ursa major
18	Vaishnavi Pandhaji Chavhan	B.Sc III	1) Phases of moon 2) Ursa major
19	Nikita Rajendra Theke	B.Sc-II	
20	Krishna Shukla	B.Sc-II	

Sign

A Sawastkar

M O Wanare

P P Wanare

A Craikwad

A Lahariya

P.P. Ghulikar

M Munde

S M Wankhade

Achal S. Belokar

Sajagata Gawai

Chetan Nitin Kale

Abhishek Shivraj Babeswal

Neha Anil Nagpure

Shruti Girish Gore

Akansha Ajit Deshmukh

Achal Rajesh Tayde

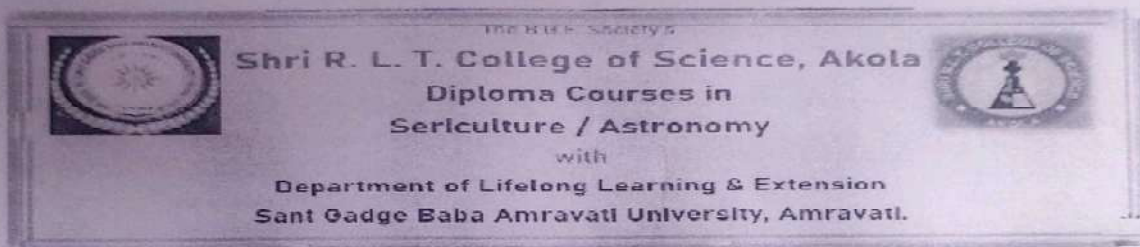
Poochi Kisan Chavhan

Vaishnavi Pandhaji Chavhan

21	Sarandana D. Deshmukh	B.Sc-II	1) Phases of Moon 2) Observing Ursa Major	Deshmukh
22	Ajit N. Jat	M.Sc. I st	1) Phases of Moon 2) Observing Ursa Major	Jat
23				
24				
25				
26				
27				
28				
29				

List of Observatory Projects (Any Two)

- 1 Phases of the Moon
- 2 Motion of Planets
- 3 Apparent Motion of the Sun
- 4 Ursa Major and North Star

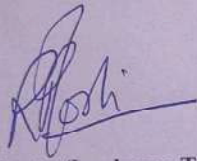


Shri R. L. T. College of Science, Akola
 Diploma Courses in
 Sericulture / Astronomy
 with
 Department of Lifelong Learning & Extension
 Sant Gadge Baba Amravati University, Amravati.

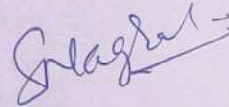
List of Project/ Dissertation for Diploma in Sericulture (Session: 2020-2021)

Sr. No.	Full Name of Candidate	Class/Batch	Group	Project Title	Marks out of 80 M	Sign
1.	Narayani D. Sonone	BSc I/ B5	Group A	Cocoon Harvesting and Marketing		<i>Sonone</i>
2.	Prathamesh S. Honale	BSc I/ B5				<i>Bhale</i>
3.	Rutuja S. Badhe	BSc I/ B5				
4.	Shweta V. Bharambhe	BSc I/ B3	Group B	Infestation of Silkworm Pests and Control Measures		<i>Shweta</i>
5.	Tanvi S. Dubey	BSc I/ B2				
6.	Yash Hagone	BSc I/ P4				
7.	Bhushan Gondchawar	BSc II/ B5	Group C	Infestation of Mulberry Pests and Control Measures		<i>Bhushan</i>
8.	Saurabh P. Wankhade	BSc II/ B5				<i>Saurabh</i>
9.	Ujwal R. Patel	BSc II/ B5				<i>Ujwal</i>
10.	Harshal S. Giram	BSc II/ B5				<i>Harshal</i>
11.	Vishal M. Andhale	BSc II/ B5				<i>Vishal</i>
12.	Kalyani S. Puri	BSc II/ B6	Group D	Biocology of Mulberry Silkworm		<i>K.Parmar</i>
13.	Kunika H. Parmar	BSc II/ B3				<i>P.Chilawant</i>
14.	Pratiksha D. Chiliwant	BSc II/ P6				<i>P.Chilawant</i>
15.	Divya S. Paraskar	BSc II/ B2	Group E	Economy of Sericulture		<i>Divya</i>
16.	Raksha G. Sharma	BSc II/ B5				<i>Raksha</i>
17.	Rutika R. Khandare	BSc II/ B5				<i>Rutika</i>
18.	Rutuja S. Dandale	BSc II/ B5				<i>Rutuja</i>
19.	Vaishnavi B. Mahalle	BSc II/ B5				<i>Vaishnavi</i>
20.	Ankita R. Gajabhiye	BSc III/ B5	Group F			<i>Ankita</i>

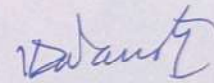
21.	Shivani G. Gangamwar	BSc III/ B5		Scope of Entrepreneurship in Sericulture	S. gangamwar
22.	Vaishnavi S. Ingle	BSc III/ B5			Ingle
23.	Vaishnavi B. Mhaisane	BSc III/ B5	Group G	Moriculture (Mulberry Plantation)	V. B. Mhaisane
24.	Pragati S. Kalne	BSc III/ B1			V. B. Mhaisane
25.	Priya C. Khobare	BSc III/ B5			Khobare
26.	Prajakta U. Parate	BSc III/ P3	Group H	Non- Mulberry Sericulture in India	Paddakhe
27.	Dhanashree M. Paddakhe	BSc III/ P3			Paddakhe
28.	Janhavi Y. Ujawane	BSc III/ P3			Ujawane
29.	Rushikesh R. Ghawat	BSc III/ P3			
30.	Sagar Bandu Chechare	BSc III/ P5			Chechare



Coordinator/In-charge Teacher



H.O.D.
Dr. Eshil M. Negare
Head,
Dept. of Zoology,
Shri R.L.T. College of Science,
AKOLA



Principal
Principal
Shri R.L.T. College of Science,
AKOLA



Students Internship Program under the MoU with District Sericulture Office, Akola.

1st September 2022 of every year is celebrated as “Sericulture Day” and to celebrate it all the students of Diploma course in sericulture and M.Sc.-II Zoology students attended the program at Dist. Sericulture Office, MIDC Phase I, Akola at 2:00 pm. The project Director, Mr. V. B. Thakre, and other staff and officers with farmers from the Akola district were present. Dr. Rashmi Joshi was invited as the Chief guest of the program. 28 students were present and got information about Govt. Scheme MGREGA for Sericulture project.



Rashmi Joshi
Dr. Rashmi Sawalkar (Joshi)
Assistant Professor
Department of Zoology
R. L. T. College of Science, AKOLA

PARTICIPATIVE LEARNING

Department of Zoology

Wall Magazine BESST (Biological and Environmental Studies with Social Temperament)

The Wall Magazine **BESST** (Biological and Environmental Studies with Social Temperament) is an innovative participatory learning project for B.Sc. Biology students. It is a launch pad for the student's creative urges to blossom naturally. As the saying goes, mind like parachute works best when opened. This humble initiative set the budding minds free allowing them to roam free in the realm of experience to create a living world in words. Our student authors have put across some amazing pieces of writing in this Wall Magazine.

Dr. Archana S. Sawarkar worked as Chief Editor and Dr. Sudhir R. Kohchale, Dr. Rashmi Joshi (Sawalkar), Mr. Shailendra V. Madavi worked as Area Editors for Animal Science, Environmental Science and Plant Science respectively.

The first issue of Wall Magazine **BESST** was release on 11th August 2018 with the hands of Principal Dr. V. D. Nanoty in presence of IQAC Coordinator Dr. R.L. Rahatgaonkar and Dr. S.M. Nagrale, Head Department of Zoology.




S.M. Nagrale
Dr. Sushil M. Nagrale
Head,
Dept. of Zoology,
Shri R.L.T. College of Science
AKOLA

[SSR/Criterion-II/ Teaching, Learning & Evaluation/ OIM-2.3.11]
Rangoli Competition on topic “Caring for all life under the Sun”

International Ozone Day (16/09/2017) was observed by organizing Intercollegiate Rangoli Competition on topic “Caring for all life under the Sun”. Ku. Payal R. Sonawane and Ku. Pranali S. Patil of shri. R.L.T. College secured 1st and 3rd position respectively and Ku. Dhanashree S. Niwane of Shri. S.K. College, Akola secured 2nd position in Rangoli Competition. Dr. Hemant P. Sapkal, Shri Shivaji College, Akola guided on topic “Caring for all life under the Sun”




Dr. Sushil M. Nagrale
Head,
Dept. of Zoology,
Shri R.L.T. College of Science
AKOLA

Seminar Competition on 'Save Ozone, Save Earth'

On occasion of World Ozone Day (16/09/2019), a seminar competition was organized for students on topic 'Save Ozone, Save Earth.' Rutuja Gopnarayan, Raj Pohare and Sakshi Kondawar stood first, second and third respectively. Dr Archana Sawarkar worked as a coordinator of the event. Mr. S. C. Zyate and Dr Rashmi Joshi performed the job of examiner.




Online Poster making competition on 'Ozone for Life'

ZEBRA Club, Department of Zoology observed World Ozone Day on 16th September 2020 by organizing Online Poster making competition on theme 'Ozone for Life'. Students of B.Sc. II and B.Sc. III participated in the competition. Due to COVID-19 pandemic lockdown, students participated in the event through virtual platform. Participants narrated about importance of Ozone layer protection by their own innovative drawings and thus tried to make a small contribution in creating awareness through handmade posters.

Ku. Devika N. Pathar - B.Sc. III; Ku. Hrutuja B. Gopnarayan- B.Sc. III, Meghana D. Kalpande- B.Sc.II, Ku. Poonam R. Waghmare –B. Sc.II secured First, Second, Third and Consolation positions respectively. The event was organised by Dr. Archana Sawarkar and Dr. Sudhir Kohchale under guidance of HoD Dr. S.M. Nagrale and Honourable Principal Dr. V.D. Nanoty. A short video showing some posters for creating awareness about preservation of Ozone Layer is attached herewith.

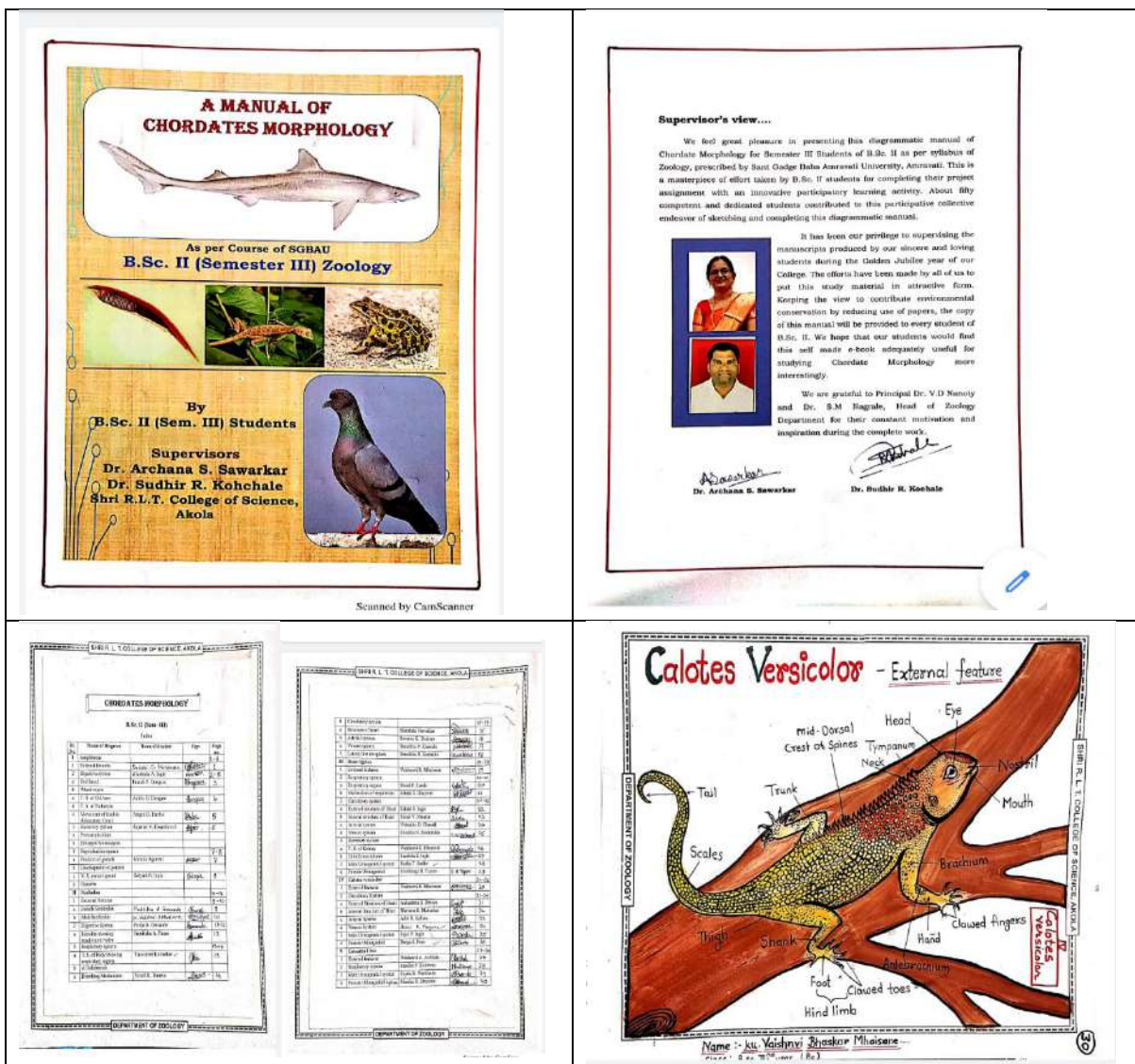
<https://youtu.be/hLmJS6OcS4w>

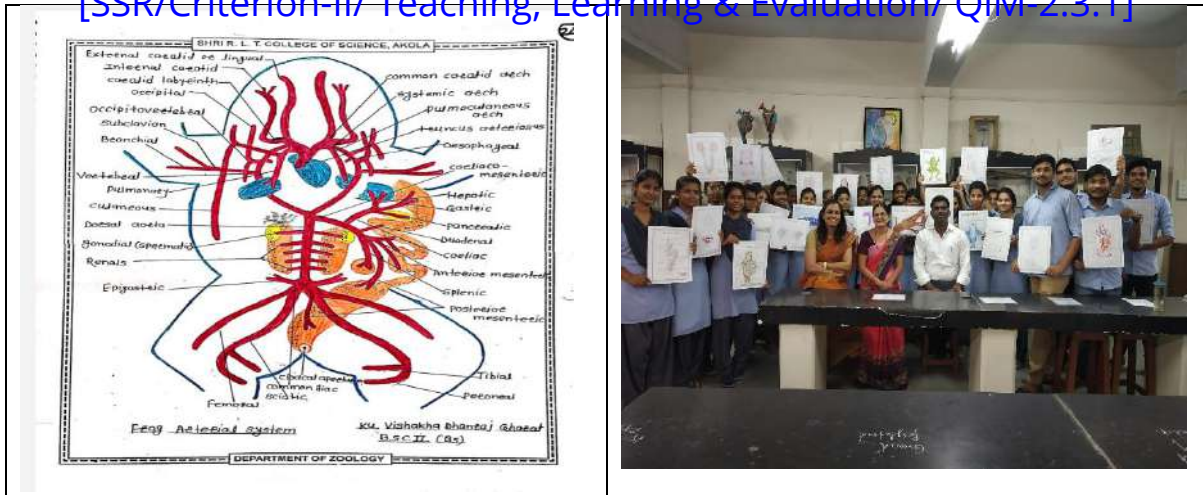

Dr. Sushil M. Nagrale
Head,
Dept. of Zoology,
Shri R.L.T. College of Science
AKOLA

ISSR/Criterion-II/ Teaching, Learning & Evaluation/ QIM-2.3.11 Diagrammatic manual of Chordate Morphology

During session 2019-20, a diagrammatic manual of Chordate Morphology was prepared by B.Sc. II, Semester III students under guidance of Dr. Archana S. Sawarkar and Dr. Sudhir Kohchale. This attractive self-study material is prepared for completing student's project assignment with an innovative participatory learning activity. About fifty competent and dedicated students contributed to this participative collective endeavour of sketching and completing this diagrammatic manual.

Keeping the view to contribute environmental conservation by reducing use of papers, the copy of this manual was provided to every student of B.Sc. II, Zoology. We hope that our students would find this self-made e-book adequately useful for studying chordate morphology more interestingly.

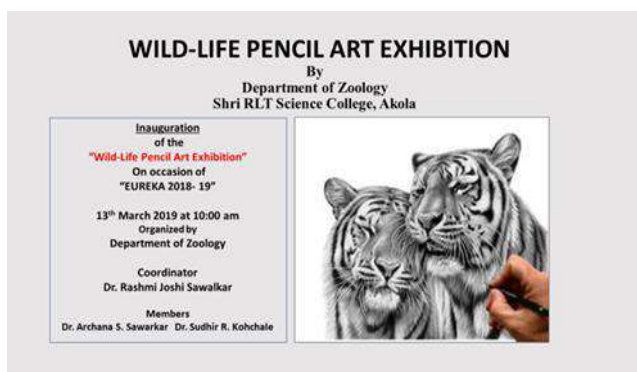




Sushil M. Nagrate
Dr. Sushil M. Nagrate
Head,
Dept. of Zoology,
Shri R.L.T. College of Science
AKOLA

Wild-Life Pencil Art Designing


Department of zoology has organized the wild life pencil art exhibition on 12th of March 2019. The coordinator of the exhibition was Dr. Rashmi Joshi Sawalkar while members of organizing committee were Dr. Archana Sawarkar and Dr. Sudhir kohchale. The inauguration of the exhibition was done by the hands of respected Dr. R.B. Heda, President of the B.G.E. Society, Akola in the gracious presence of executive members of B.G.E. society and respected Dr Katore, Head P. G. Dept. of Mathmatics, SGBAU, Amravati. The sketches of wild life were drawn by the BSc students. It was an effort made by organizing committee to create awareness about biodiversity conservation and developing skill other than studies among the students.



Students from different schools came to attend the EUREKA Workshop are watching the art gallery sketches drawn by BSc students



All The respected Dr. R B Heda sir, Dr. Katore, Dr. Amravtikar, Mr Paranjape, Dr. Hazare sir and Res. Principal Dr. Nanoty along with the organizing committee members.


Dr. Sushil M. Nagrao
Head,
Dept. of Zoology,
Shri R.L.T. College of Science
AKOLA

SKY OBSERVATION CLUB REPORT 2017-18

The Sky Observation Club of Shri R.L.T. College of Science, Akola (RLT-SOC) is a college-level organization working for amateur Sky lover students and Astronomy interested persons. The main objectives of SOC are that the students and the staff members of the college should know about the subject of Astronomy and to create interest in it by actually observing the celestial bodies in the sky and to motivate the students towards research and knowledge in the field of Physics, Astronomy and the deep subject like General Relativity. Interested students from all the classes particularly from B.Sc.I and B.Sc.II students are made members of the club by filling up an entry form with the undertaking of attending all the sessions and various programs of night vision of celestial atmosphere were arranged for students and staff of the college.

- This year 40 students are enrolled and their roll list is prepared. Regular meetings, guidance classes, and various activities are held throughout the session.
- An 'Astronomical Gallery' was proposed to form in the college to impart knowledge by exhibiting telescopes and other astronomical objects, models, and pictures for viewers.
- It was decided to take a regular meeting of observer students and members every Tuesday at 3.00 pm. There are four meetings that were held on dated 15, 22, 27, and 28 Feb 2018.
- In these meetings, the astronomy projects like Phase of the moon observation, and measurement of the diameter of the sun and moon were distributed to the SOC students and were guided for their performance under the guidance of Prof. S.R. Jaiswal.
- Star Dials were provided to all the observers of the club. A program on 'Setting of a telescope and the use of Star-Dial' was arranged on 15/2/2018 in room No. 21 under the guidance of Dr. S.W. Bhaware, Prof. R.B. Ghayalkar, and Prof. S.R. Jaiswal.
- A Sky observation session was arranged on national science day 28 Feb 2018 at 7:30 pm. under the guidance of Prof. R.B. Ghayalkar and Prof. S.R. Jaiswal. The spot for the telescope setting was selected on the terrace of Wing-D. The telescope was set by Prof. R.B. Ghayalkar and Prof. S.R. Jaiswal and the moon and the 'Star-Bright' Serious were viewed. Prof. R.B. Ghayalkar also gave detailed practical information about the conditioning of eyes and the use of star dial. A number of constellations and stars were introduced by Prof. Jaiswal. About 35 viewers took benefit from the program.
- The club decided to observe some planets namely Jupiter, Mars, and Saturn in the last week of April 2018 at 5 a.m. on new moon day.

PHOTO GALLERY



STAR GAZING PROGRAM AT NIGHT



Dr. V. D. Nanoty
Principal

Shri R. L. T. College of Science, Akola

REPORT OF SKY OBSERVATION CLUB 2018-19

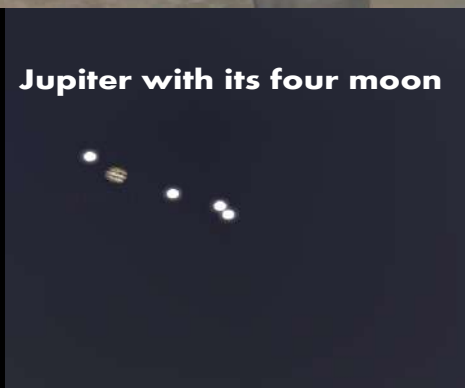
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Guest Lecture Delivered by faculties:

Name of Teacher: Prof. Shailesh R. Jaiswal

- Delivered Guest Lecturer on 'THE COSMOS' dated 18/12/2018 in 7 days NSS camp of Shri R.L.T. college of science at gram Apoti Khurd (Apatapa).
- Delivered Guest Lecturer on 'TO KNOW OUR UNIVERSE' and also given a demonstration of astronomical instruments which were held on 13/03/2019 in EUREKA one-day workshop for school teachers and students which is organized by Shri R.L.T. College of science and Akola District Science Forum.

PHOTO GALLERY



OBSERVED MOON AND JUPITER VIA TELESCOPE



DELIVERED GUEST LECTURER ON 'THE COSMOS' IN NNS CAMP



DELIVERED GUEST LECTURER ON 'TO KNOW OUR UNIVERSE' IN EUREKA



TO DEMONSTRATE ASTRONOMICAL INSTRUMENTS TO THE SCHOOL STUDENTS IN EUREKA

Shri S. R. Jaiswal
Coordinator
Shri R. L. T. College o Science, Akola



Dr. V. D. Nanoty
Principal
Shri R. L. T. College o Science, Akola

REPORT OF SKY OBSERVATION CLUB: 2019-20

The Sky Observation Club of Shri R. L. T. College of Science, Akola (RLT-SOC) is a college level organization working for amateur Sky lover students and Astronomy interested persons. The main objectives of SOC is that the students and the staff members of the college should know about the subject Astronomy and to create interest in it by actual observing the celestial bodies in the sky and to motivate the students towards research and knowledge in the field of Physics, Astronomy and the deep subject like General Relativity. Interested students from all the classes are made the members of the club by filling up an entry form with undertaking of attending all the sessions and various programs of night vision of celestial atmosphere were arranged for students and staff of the college.

In the session approximate 42 students were enrolled. The regular meetings, guidance classes and various activities are held throughout the session. The teachers have been provided information about SOC, discuss about year round events, *Google class room & star walk mobile application*. Students also took the valuable information about *Telescope and Star Dials* in astronomical gallery.

Following are the activities of SOC throughout the session:

- **SKY OBSERVATION CLUB-GOOGLE CLASSROOM** was inaugurated by principal of our college. After the inauguration, student took the **online test** by using mobile phones on solar system and universe. Introductory speech was given by Prof. S. R. Jaiswal & introductory lecture on astronomy were given by Dr. S. M. Nagarde, Dr. A. S. Swarkar & Prof. Ram Ghayalkar. At the end of this program teachers and students enjoyed watching *the Moon and Jupiter through the telescope* which is set by terrace of college library.

- [SSR/Criterion-II/ Teaching, Learning & Evaluation/ QIM-2.3.1]
- Sky Observation Club (SOC) under the department of Physics, Shri R. L. T. College of Science, Akola in collaboration with ASEEMIT Space & Environment Center, MITE Education Foundation Pune has successfully conducted ***Social Awareness Programme for Solar Eclipse***. The club was taken awareness programme in 20 schools of Akola regions from 17th December to 26th December 2019 under the guidance of Prof. S. R. Jaiswal. The video clips and PPTs were shown to nearly 1350 students from schools and institute which are provided by ASEEMIT Space & Environment Center, MITE Education Foundation Pune.
 - The Sky Observation Club also arranged ***Practical Sessions for Watching Solar Eclipse*** to the school's students and public on 26th December 2019 in R.L.T. College of Science, Akola. Prof. S. R. Jaiswal was gave the information about how to watch solar eclipse to the public. Total 30 volunteers are involved in this program. Nearly 100 students were given scientific information on telescope handling and watching the solar eclipse.
 - In NSS camp Prof. S. R. Jaiswal Delivered Guest Lecturer o ***'The Universe and Superstition about it'*** on dated 13th December 2019 in 7 days NSS camp of Shri R.L.T. college of science at gram Apoti khurd (Afatafa).
 - On the occasion of National Science Day on 28th February 2020, ***Mr. Bhushan Gondachwar [B.Sc.-I (CBZ)] volunteer*** of Sky Observation club delivered a speech on ***"Astronomy"*** under the guidance of Prof. S. R. Jaiswal at Radhabai Sarda Arts, Commerce and Science College, Anjangaon surji Dist. Amravati.



Shri S. R. Jaiswal
Coordinator
Shri R. L. T. College o Science, Akola



Dr. V. D. Nanoty
Principal
Shri R. L. T. College o Science, Akola

SOC PHOTO GALLERY

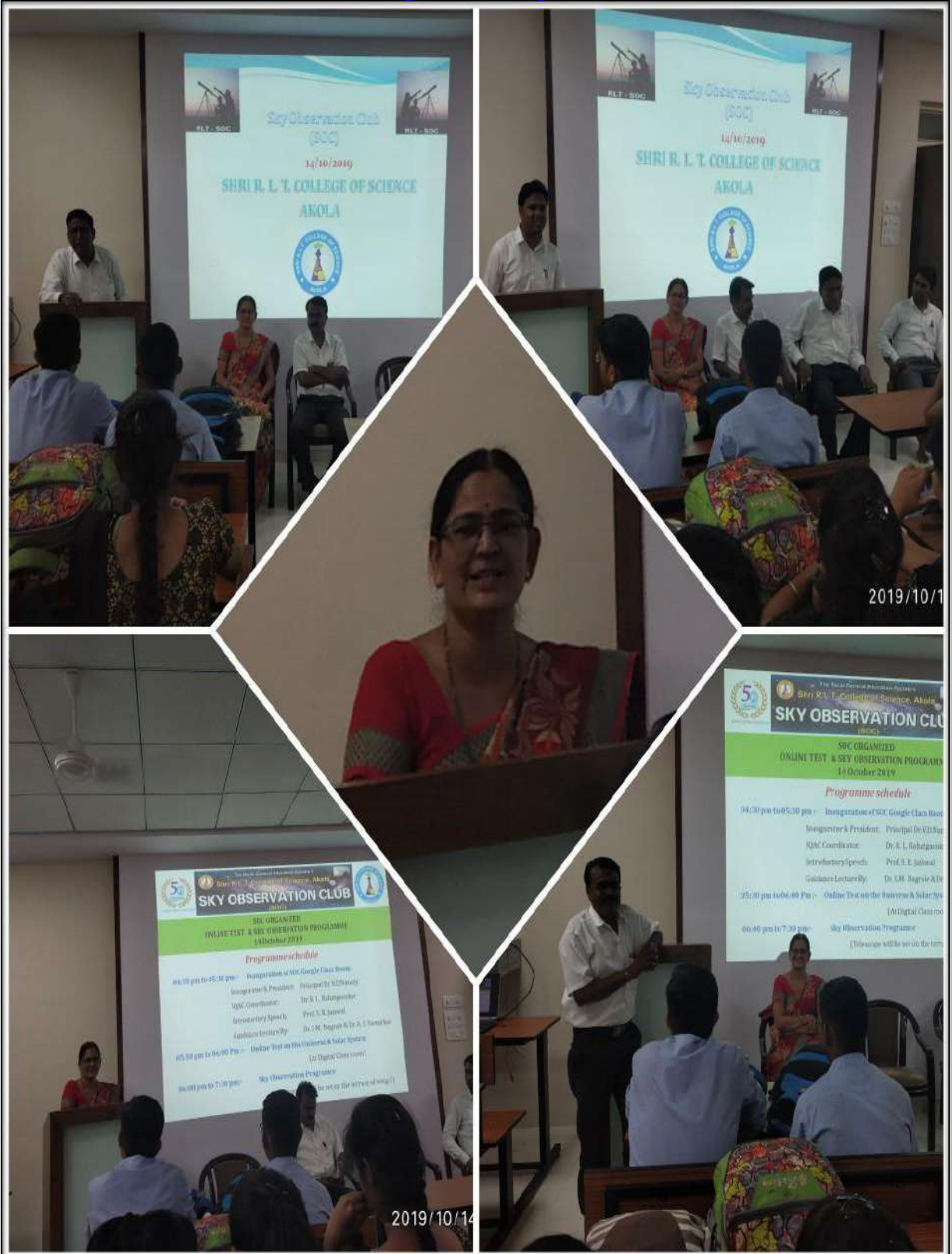


Students Visited Astronomical Gallery

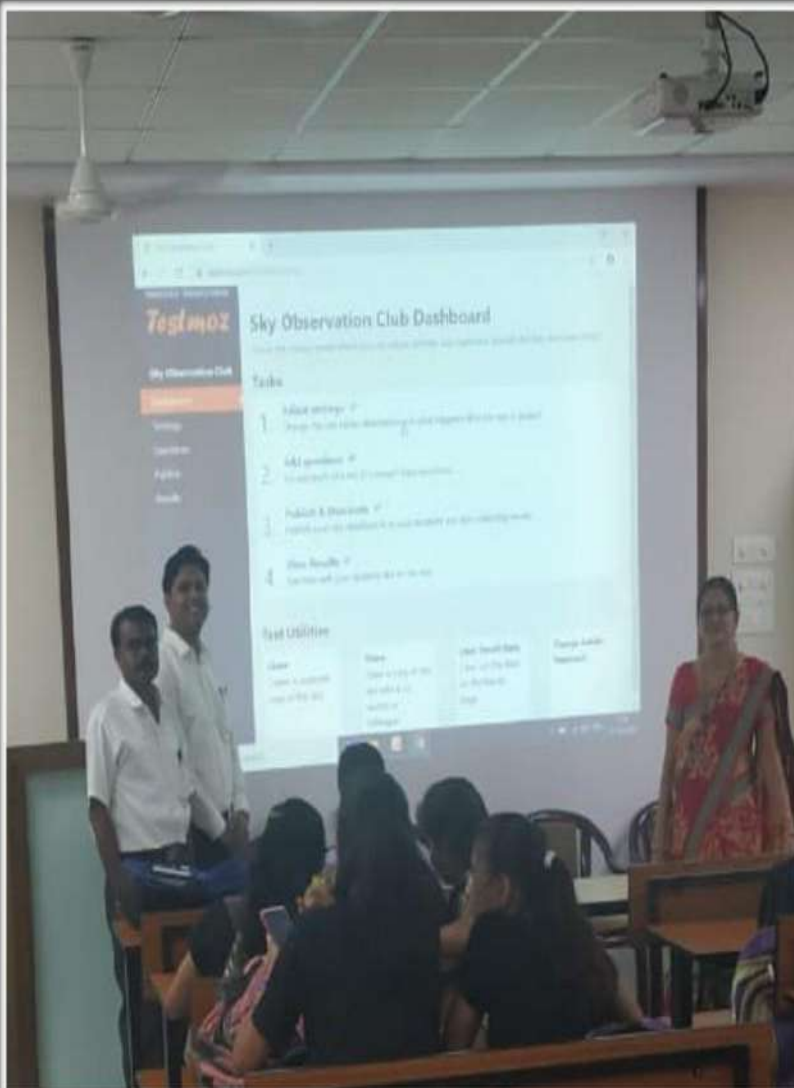


Students has been enjoying to watch The Planets Jupiter and Moon through The Telescope

Shri R. L. T. College of Science, Akola



Introductory Lecture On Astronomy And Inauguration Of SOC-Google Class Room



Status	Score	Percentile
Unattempted	0/100	0%
Attempted	100/100	100%
Published	100/100	100%
Results	100/100	100%

Students Solve online MCQs test on mobile phones



Bhushan Gondachwar delivered a speech on “Astronomy” In R. A. College, Anjangaon surji



Prof. S. R. Jaiswal delivered a speech on “The Universe” In NSS Camp, Gram Apotoi, Apatafa

Shri R. L. T. College of Science, Akola



SOC Volunteer Conduct Social Awareness Program on Solar Eclipse in Schools.

50
The Berar General Education Society's
Shri R. L. T. College of Science, Akola
SKY OBSERVATION CLUB (SOC)
Join us to watch
SOLAR ECLIPSE
With Special Eclipse Goggles
Thursday, 26 Dec. 2019, Morning 8:08 Am To 11:03 Am.
Terrace of wing-D, Shri R. L. T. College of Science, Akola.
The Event Is Open to All
Mr. S. R. Jaiswal
Coordinator
Dr. V. D. Nanoty
Principal



Students Watching Solar Eclipse

COMBINE REPORT OF SKY OBSERVATION CLUB AND DIPLOMA IN ASTRONOMY: 2020 -21

The Sky Observation Club of Shri R. L. T. College of Science, Akola (RLT-SOC) is a college-level organization working for amateur Sky lover students and Astronomy interested persons. The main objectives of SOC are that the students and the staff members of the college should know about the subject of Astronomy and to create interest in it by actually observing the celestial bodies in the sky and to motivate the students towards research and knowledge in the field of Physics, Astronomy and the deep subject like General Relativity. Interested students from all the classes are made members of the club by filling up an entry form with the undertaking of attending all the sessions and various programs of night vision of celestial atmosphere were arranged for students and staff of the college.

In the session, due to COVID-19 Pandemic, all activities of the sky observation club have been conducted in online mode. The regular meetings, guidance classes, and various activities are held throughout the session via google Meet and zoom meetings. For the observation of the sky students has been used the sky map application of mobile phones and find the astronomical objects in the sky. Students also took valuable information about *Telescope and Star Dials* in an astronomical gallery via online tutorials.

Sky observation Club in collaboration with the Department of Physics has also conducted a “Diploma Course in Astronomy” under the

[SSR/Criterion-II/ Teaching, Learning & Evaluation/ QIM-2.3.1]
Department of Lifelong Learning and Extension Services, Sant Gadge
Baba Amravati University, Amravati. Shri S. R. Jaiswal has worked as a
coordinator of the course. A total of 23 students were admitted to the
course. The course has been conducted online/offline mode by Shri S. R.
Jaiswal and covered 200 hours of teaching (Theory + Practical).

The links/code to Google classroom and e-content are as follows:

Google Classroom Code: bxb4oo6

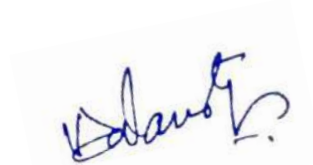
Diploma in Astronomy: (Notes and PPTs)

Link of Google Drive for all data:

https://drive.google.com/drive/folders/1buWG3eq4Zy8I_sGs4Be0XncYNJA17oyD?usp=sharing



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COMBINE REPORT OF SKY OBSERVATION CLUB AND DIPLOMA IN ASTRONOMY: 2021 -22

The Sky Observation Club of Shri R. L. T. College of Science, Akola (RLT-SOC) is a college-level organization working for amateur Sky lover students and Astronomy interested persons. The main objective of SOC is that the students and the staff members of the college should know about the subject of Astronomy and to create interest in it by observing the celestial bodies in the sky and motivate the students towards research and knowledge in the field of Physics, Astronomy and the deep subject like General Relativity. Interested students from all the classes are made club members by filling up an entry form to attend all the sessions and various programs of night vision of celestial atmosphere were arranged for students, the public, and staff of the college.

For the observation of the sky students has been used the sky map application of mobile phones and find the astronomical objects in the sky. Students also took valuable information about *Telescopes, binoculars, Laser and Star Dials* in the astronomical gallery.

Sky observation Club in collaboration with the Department of Physics has also conducted a “Diploma Course in Astronomy” under the Department of Lifelong Learning and Extension Services, Sant Gadge Baba Amravati University, Amravati. Shri S. R. Jaiswal has worked as a coordinator of the course. A total of 29 students were admitted to the course. The course has been conducted online/offline mode by Shri S. R. Jaiswal and covered 200 hours of teaching (Theory + Practical).

The various activities have been organized by the SOC in collaboration with a diploma course in astronomy.

On the ocean of National Science Day, the faculties demonstrated the working of astronomical instruments. Students learned about the construction and working of astronomical instruments. Shri S. R. Jaiswal delivered the lecture on our universe at NSS camp, Apoti Ku. Apatapa, Dt. Akola also demonstrates astronomical instruments.

PHOTO GALLERY



CONDUCTING LECTURE



PRACTICAL SESSION AT NIGHT-" STAR GAZING"



PRACTICAL DEMONSTRATION OF ASTRONOMICAL INSTRUMENTS IN NNS CAMP AT GRAM APOTI.

Shri S. R. Jaiswal
Coordinator

Shri R. L. T. College o Science, Akola



Dr. V. D. Nanoty
Principal

Shri R. L. T. College o Science, Akola

STUDENT'S PARTICIPATION IN VARIOUS ACTIVITIES



Best Practice - 1

Title of the practice:

Working with Unnat Bharat Abhiyan (UBA): A step towards sustainable development of village.

Objectives of the Practice:

- To create a sense of social responsibility among college students.
- To acquaint the students with the rural lifestyle and to understand the problems of the villagers.
- Being a Participating Institution (PI) under Unnat Bharat Abhiyan (UBA) to involve in the process of Indigenous development of self-sufficient and sustainable village cluster.

The Context:

Unnat Bharat Abhiyan aims to link the Higher Education Institutions (HEIs) with a set of at least five villages, so that institutions can contribute to the economic and social betterment of these village communities using their knowledge base. The mission of our college is to do social work while spreading and promoting science culture in students and society. Hence, A village development plan for all the 5 adopted villages has been prepared in consultation with Honorable District Collector. To contribute in the noble work of Unnat Bharat Abhiyan, we decided to be a Participating Institution (PI) and provide helping hands for sustainable development of adopted villages.

The Practice:

- A village development plan for all the 5 adopted villages was prepared.
- UBA Coordinator of college organized Gram Sabha and mahila Sabha (Self Help Groups).
- UBA Coordinator and volunteers visited to the village school and interacted with teachers and students.
- Awareness Banners were displayed and rallies were organized.
- Cleanliness drive was conducted.
- Soak pits were prepared.
- Covid Vaccination Awareness campaign and Covid Vaccination camp were organized in village.
- Demonstration and hands on training workshops, Lectures on Biodiversity conservation were organized in village.
- Grievances of people were noted, the major problems in the area were observed and solutions were found out.

[SSR/Criterion-II/ Teaching, Learning & Evaluation/ QIM-2.3.1]

- The Base line survey of 5 villages was done by the students and the Nodal officer, UBA of the institute.

Evidence of Success:

- The Seed money of Rs. 50,000/- was sanctioned and provided by National coordinating Institute, IIT Delhi for UBA Baseline survey.
- The Utilization certificate was submitted in due period and successfully going ahead for proposed project for sustainable village Development.
- Some needy students got opportunity to work under 'Earn and Learn' scheme for doing work of uploading baseline survey forms on Unnat Bharat Abhiyan portal.

Resources required:

- Trained team leader i.e. UBA Coordinator of College and devoted student volunteers.
- Seed money
- Transportation facility
- The baseline survey forms and stationary etc.
- A healthy environment between villagers and participating institute.

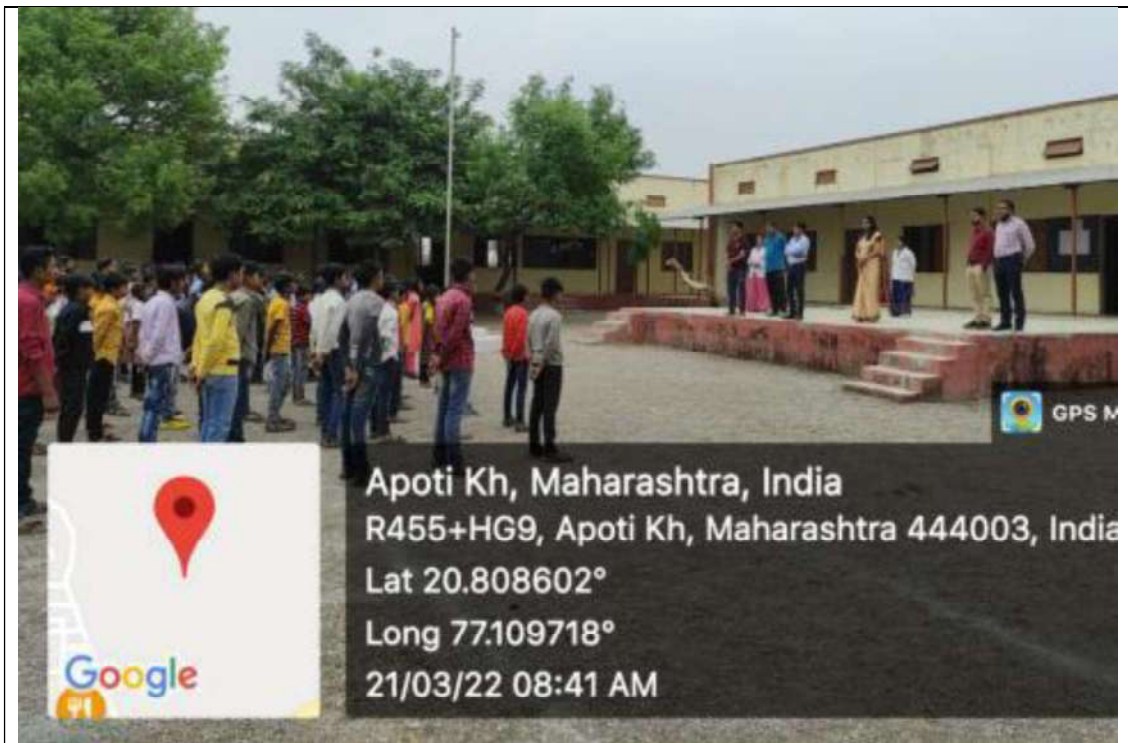
Problems Encountered: No.

Working with Unnat Bharat Abhiyan (UBA): A step towards sustainable development of village. Photographic evidences

Awareness campaign about Unnat Bharat Abhiyan (UBA) scheme ↓



UBA Coordinator Dr. Rashmi Joshi organized Gram Sabha and mahila Sabha

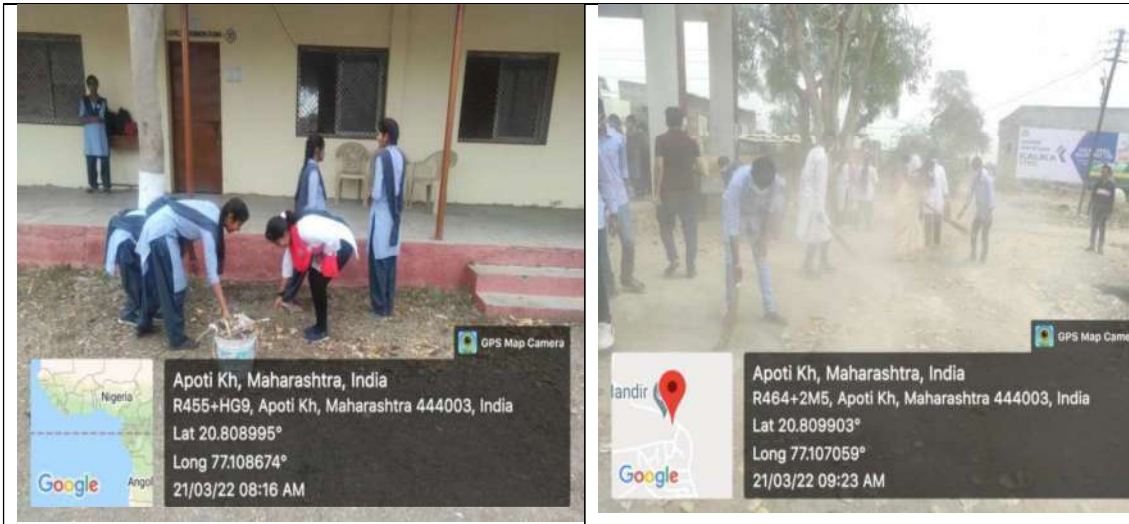


UBA coordinator, while giving information to school teachers and students about Unnat Bharat Abhiyan project

Rally and cleanliness drive in Apoti village:

NSS volunteers cleaned the village area and convinced the villagers that cleanliness is the real key to good health. In the morning, Prabhat Feri was conducted to create awareness among the people of the village about health, environment and cleanliness. ↓





Construction of soak pits at adopted village Apoti:

4 soak pits were prepared at different 4 places in adopted village. Volunteers under guidance of NSS program officers dug the pits and fill them with ballast and mud. ↓





Covid Vaccination Awareness campaign and Covid Vaccination camp

The volunteers created public awareness about Covid Vaccination by interacting with the villagers through Street plays. Covid-19 vaccination camp was organized at Adopted village Apoti.





Workshop and Hands on training on Making Herbal Products

One day workshop on “Making Herbal Products” to train the women from adopted village Aapoti khurd was organized by UBA Coordinator Dr. Rashmi Joshi in collaboration with Women cell of Shri R.L.T. college of Science, Akola. Hands on training was given to some of the ladies from village. Dr. Poonam Agrawal, Associate professor, Head Dept of Chemistry and Crystal Club members had given demonstration to make Herbal products.





Lecture on biodiversity conservation

Mr. Uday Vaze, Director, EFEC (Environment & Forest Education Center), Akola, guided villagers about conservation of local biodiversity. ↓



The Base line survey of Families

The Base line survey of 5 villages was done by the students and the Nodal officer, UBA, of the institute, Dr. Rashmi Joshi Sawalkar to clearly define the existing scenario and to collect the basic data. They identify problems faced by the people as well as the potential for development.



Sr.no.	Name of Adopted Villages	No. of Families surveyed
1	Apatapa	223
2	Apoti Khurd	144
3	Apoti Budruk	163
4	Sultanpur	55
5	Akhatwada	183

'Earn and Learn' Benefits to students

Students got opportunity to work under 'Earn and Learn' scheme for doing work of uploading baseline survey forms on Unnat Bharat Abhiyan portal ↓

Debit Voucher No. _____ Date: 18/12/2021 Cash Book Folle No. _____

Shri R.L.T. College of Science, Akola.

Pay Rs. 2000/- in Words Two thousand only.

to Shri Ku. Sejal Vijay Badode.

on account of Unnat Bharat Abhiyan Honorarium Paid by cash of Rs 2000,
as on date 18.12.2021 against to upload forms on UBA Portal under
Earn & Learn Scheme.

Rs. 2000/- Sanctioned
 PASSED FOR PAYMENT
 PAID & CANCELLED
 Accountant Dr. R.P. Joshi (Sanborn)
 U.B.A. Coordinator
 Principal [Signature]
 PRINCIPAL

Received Payment of
 Rs. 2000/-
 Signature of payee [Signature]

Debit Voucher No. _____ Date: 18/12/2021 Cash Book Folle No. _____

Shri R.L.T. College of Science, Akola.

Pay Rs. 2000/- in Words Two thousand only.

to Shri Ku. Rutuja Ramdas Thakare.

on account of Unnat Bharat Abhiyan Honorarium Paid by cash of Rs 2000/-
as on date 18.12.2021 against to upload forms on UBA Portal
under "Earn & Learn" Scheme.

Rs. 2000/- Sanctioned
 PASSED FOR PAYMENT
 PAID & CANCELLED
 Accountant Dr. R.P. Sanborn (Joshi)
 U.B.A. Coordinator
 Principal [Signature]
 PRINCIPAL

Received Payment of
 Rs. 2000/-
 Signature of payee [Signature]

Debit Voucher No. _____ Date: 18/12/2021 Cash Book Folle No. _____

Shri R.L.T. College of Science, Akola.

Pay Rs. 2000/- in Words Two thousand only

to Shri Ku. Vaishnavi Ramesh Dalit B.H.U.

on account of Unnat Bharat Abhiyan Honorarium Paid by cash of
Rs. 2000/- as on 18.12.2021 against to upload forms on UBA Portal under
Earn & Learn Scheme.

Rs. 2000/- Sanctioned
 PASSED FOR PAYMENT
 PAID & CANCELLED
 Accountant Dr. R.P. Joshi (Sanborn)
 U.B.A. Coordinator
 Principal [Signature]
 PRINCIPAL


Received Payment of
 Rs. 2000/-
 Signature of payee [Signature]

[SSR/Criterion-II/ Teaching, Learning & Evaluation/ QIM-2.3.1]

Presentation of work in front of Regional coordinating unit of Unnat Bharat Abhiyan

Dr. Rashmi Joshi Sawalkar, UBA Coordinator, attended one day 'Tech 4 Seva' Workshop at Sant Gadge Baba Amravati University, Amravati, organised by Regional coordinating unit of Unnat Bharat Abhiyan. She presented work performed by Shri R.L.T. College of Science, Akola, as Participating Institute under Unnat Bharat Abhiyan as well as proposed plans for 5 adopted villages.




डॉ. रश्मी सावलकर (जोशी)
कार्यक्रम अधिकारी (रा.रो.यो.)
श्री.रा.ल.तो.विज्ञान महाविद्यालय, अकोला

Shri R. L. T. College of Science, Akola

Best Practice - 2

Title of the Practice:

Green Chemistry: An Innovative Technology

Objectives of the Practice:

- To drive chemistry students towards clean and green technology.
- To create awareness among students about environment protection
- Inspiring students to keep the environment pollution free by using minimum energy in daily life.

The Context:

The Drive towards clean technology in the chemistry laboratory in view of to reduce, to reuse, to recycle and to recover the natural resources requires a level of innovation and new technology. The green chemistry revolution provides an enormous number of opportunities to discover and apply new synthetic approaches using alternative feedstocks; ecofriendly reaction conditions, energy minimizations and the design of less toxic and inherently safer chemicals.

The Practice:

- Department of Chemistry took a green step towards the adaptation of green chemistry concept not only in the theory, but also applying it in laboratory for practical purposes.
- The laboratories are well constructed in the center of the college with proper ventilation and considering the sunlight factor also. So, there is no need of light during the day time in laboratory which help to save the Electrical energy.
- Procedure of many practicals have been changed in vision to avoid the use of harmful and toxic materials.
- The faculties of our department allot the project related to Green Chemistry and related to how to save the environment like water conservation, solid waste management etc.
- All the faculties used microwave instead of traditional heating process to save the Gas energy and time too. Many Projects of M.Sc. Students have been based on microwave synthesis only.
- In B.Sc. First year instead of using sodium hydroxide use of lithium hydroxide is done.
- Acids and bases are not thrown directly in basin. Acids and bases are first neutralized and then its disposal is done.
- Safety equipment's like hand gloves, goggles etc. are provided to the students and laboratory Assistant.
- Department of Chemistry took initiation for water harvesting, liquid and solid waste management.

Evidences of Success:

- Minimum use of electricity due to maximum natural light and air in laboratories.
- Due to non-conventional method of using microwave, L.P.G. consumption is reduced to great extent. Time required for the reaction is reduced from 6-7 hours gas heating by 5-10 minutes microwave reaction.

Best Practice 2:

Title of Practice: To nurture the culture of environment consciousness not only among the students and faculty members but also in society.

Objectives of the Practice:

- To help the students and society to acquire knowledge of pollution and environmental degradation.
- To aware students and stakeholders about knowledge of the environment beyond the immediate environment including distant environment.
- To acquire a set of values for environmental protection and nurture ecofriendly habits among pupils.
- To provide an opportunity to be actively involved in ecofriendly activities and in environmental decision making.

The Context: One of the most glaring problems which the world faces today is the environmental pollution. There is an immediate need to make people aware about environmental degradation. Fostering a culture of environmental consciousness among the young generation is the need of the hour. Education and public participation may change and improve the quality of environment. As young citizens and future decision makers in society, students have to be inspired and engage with a sense of commitment and responsibility to protect our environment. Voluntary participation in activities may enable them to nurture environmental consciousness. Environment love, sensitivity and awareness can create a sense of respect towards nature and mother earth.

The Practice:

To nurture the culture of environment consciousness following activities were undertaken by our Institute-

- **Plantation Drive:** NSS and NCC Team of Shri R.L.T. College of Science, Akola, in collaboration with Forest Office, Akola carried out plantation by keeping social distancing and by taking precautionary measures. The plantation drive was arranged at Shivapur near Sun City, Malkapur as well as at adopted village Apoti khurd. Department of Botany developed Nursery of saplings grown from naturally occurring seedlings. Gifting of plants is made as a practice for welcoming the guests for all programs of college. On the occasion of 75th Independence Day Department of Botany and Environmental Cell of the College Organised Tree plantation programme. Speciality of these programme was Higher quantity of oxygen producing plants were planted. Outdoor plants like Tecomastans,.Nyctanthesarbor-tristis, Sapindusmukorossi, Bauhinia recemosa,Putranjivaroxburghi, Dalbergiasissoo, Anthocephaluscadamba, Moringaolifera, Murrayakoenigi , Neriumindica & Some Indoor or In shade plants like Ocimum sanctum, Ficusbenjamina, Dyspsislutescens, Dracenatrifasciata were planted.

Web-link: 1. <https://www.rltsc.edu.in/2021/08/06/plantation-program-at-shivapur/>

2. <https://www.rltsc.edu.in/2020/07/14/tree-plantation-by-nss/>

- **World Ozone Day:** ZEBRA Club, Department of Zoology observed World Ozone Day on 16th September 2020 by organizing Online Poster making competition on theme 'Ozone for Life'. Participants narrated about importance of Ozone layer protection by their

[SSR/Criterion-II/ Teaching, Learning & Evaluation/ QIM-2.3.1]

own innovative drawings and thus tried to make a small contribution in creating awareness through handmade posters. Department of Chemistry Organized Online Debate competition on the topic ‘Is lockdown due to COVID-19 is healing Ozone Layer Hole ?’

Web-link:

1. <https://www.rltsc.edu.in/2020/09/22/online-poster-making-competition-on-ozone-for-life/>

2. <https://www.rltsc.edu.in/2020/09/19/world-ozone-day/>

- **Celebration of Wildlife conservation week:** ZEBRA Cell, Department of Zoology celebrated World Wildlife Week- 2020 by organizing various activities like - Article Writing Competition on the topic “Wonderful World of Butterflies”, Virtual Essay Competition on the topic: “Impact of Covid-19 Pandemic on Wild-life and Environment”, Documentary show on Tiger, Tiger Poaching Tiger Census, Conservation of Tigers in India, Mobile Photography Competition on theme ‘ Wildlife and Nature’, Quiz Competition on theme ‘Wildlife Conservation’ etc.
- **Publication of Biodiversity Calendar -2021:** To know value of biodiversity and inculcate environmental consciousness among students, Biodiversity Calendar -2021 was published on 24th December 2020 with the hands of eminent personalities. It is an Innovative attempt made by B. Sc. II (Biology) students under supervision of Dr. Archana S. Sawarkar (Dept. of Zoology) and Dr. Anjali A. Sangole (Dept. of Botany). Along with flora and fauna, Academic holidays as well as special days concerning environmental issues and importance of biodiversity are mentioned in it.
- **District Level Webinar on Conservation of Water:** Shri. R.L.T. College and Nehru Yuva Kendra (Ministry of Youth Affair and Sports), Akola has jointly organized the webinar on Monday 15th March 2021. The topic was ‘Conservation of water’ under the theme of ‘*Catch the Rain, where it falls, when it falls*’. Online Quiz Competition was carried out for the participants. Winners got Cash prize, certificate and memento.
- **National E-Workshop on Organic Farming for Sustainable Agriculture:** College organized One day National E-Workshop on 24 March, 2021 for students, teachers, parents and farmers on Organic Farming for Sustainable Agriculture. Objectives of workshop were to create awareness regarding organic farming, to develop efficient crop and soil management options for organic farming, to develop need-based cost-effective new techniques for farm-waste recycling as well as to study productivity, profitability, sustainability, quality and input-use-efficiencies of different crops and cropping systems under organic farming in different agro-ecological regions. The workshop was sponsored by Indian Science Congress Association, Amravati Chapter.

Web-link: <http://rltsc.edu.in/2021/03/30/national-level-e-workshop-on-organic-farming-for-sustainable-agriculture/>

- **World Sparrow Day:** World Sparrow Day was celebrated on 20th March 2021 virtually by collecting the different views and ideas of conservation through the young minds on the theme, “Sparrow Conservation: Today's Need”. Students were appealed to keep water pots for small birds like sparrow. Physical Education department Installed Bird Feeder in college campus.

Web-link: <https://www.rltsc.edu.in/2021/05/21/world-sparrow-day/>

[SSR/Criterion-II/ Teaching, Learning & Evaluation/ QIM-2.3.1]

- **Workshop on Eco-friendly Holi:** State Level E- Workshop on Eco-friendly Holi was organized in Collaboration with Gramayan Pratishthan(NGO), Nagpur on Dated 27th March. Mrs. Pragati Madhai prepared and demonstrated the brilliant shades of Holi colours made from Natural exrtacts. Most of these plants also have medicinal properties and Holi colors prepared from them are actually beneficial to the skin.

Youtube link:https://www.youtube.com/watch?v=XOqLPtYO_D4&authuser=0

- **World Environment Day:** On 05/06/2021, the Occasion of World Environment Day, the NSS unit of College organized the Seminar Competition on “Restoring Ecosystem” to make pupils aware about nature conservation.

Weblink: <https://www.rltsc.edu.in/2021/06/06/nss-unit-organised-world-environment-day-2021/>

- **No to Plastic Bags:** Plastic Bags are banned in college campus. As a part of Plastic Free Environment Campaign, Bann Stickers were displayed in the campus by NSS Unit.
- **E-Certificate Course in Apiculture:** To inculcate importance of Bee keeping and honey processing in relation with entrepreneurship development Department of Zoology organized virtually 6 Days E-Certificate Course in Apiculture.

Weblink: <https://www.rltsc.edu.in/2021/07/05/one-week-e-certificate-course-in-apiculture/>

- **Online Certificate Course in Renewable Sources of Energy:** Department of Physics, under Internal Quality Assurance Cell, Shri R. L. T. College of Science, Akola was conducted "Online Certificate Course in Renewable Sources of Energy” from 24th June to 29th June 2021. Nearly 204 students in the college were participated for this course.

Web-link: http://rltsc.edu.in/online-courses/#Online_Certificate_Course

- **Workshop on E-Waste Management: Reduce, Repair, Refurbish, Recycle & Reuse:** Department of Computer Science, Electronics and Physics in collaboration with Parent Teacher Association (PTA) organized online Workshop on “E-Waste Management: Reduce, Repair, Refurbish, Recycle & Reuse” on dated 11-08-2021. This workshop was organized for making awareness in students and their parents about E-Waste and its Managements.

YouTube Link: <https://youtu.be/vQhiVK6EaZ4>

- **Awareness program to save electricity, paper and energy:** Shri R.L.T College of Science, Akola and EFEC (Environment and Forest Education Centre) jointly organized an awareness program to save electricity, paper and energy on 26th August 2021. Posters carrying message for environment conservation were released. Stickers displaying the message of protecting environment, saving electricity, papers and energy were posted on key places in college premises. Honourable District Collector Nima Arora expressed importance on Public awareness programs and expects that the citizens will try hard to save environment from pollution and misuse of resources.
- **Ecofriendly projects:** College undertook some Ecofriendly projects like- Reuse of waste and old furniture for making notice boards and board stands, vermicomposting, Periodical testing of drinking water by Maharashtra State Public health service, District Health Laboratory, Akola etc. Also students are encourage to participate in Various competitions related to Environmental issues.

Evidences of Success:

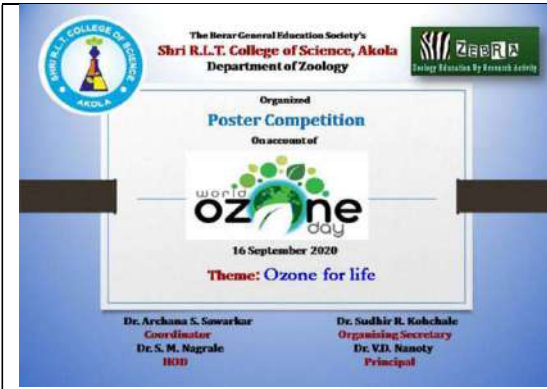
- Shri R.L.T. College of Science Akola has been recently Awarded as “**ONE DISTRICT ONE GREEN CHAMPION 2020-21**” under Swacchata Action Plan Scheme (SAP) by the hands of I.A.S. Hon. Neema Arora, Akola District Collector. This Award is by Government of India, Mahatma Gandhi National Council of Rural Education (MGNCRE), Ministry of Education.
- Honorable collector, Akola and President, Biodiversity administration committee, Akola took note of the environmental consciousness of the Institute and gave honor to our faculty member, Dr. Harish Malpani to work as a member of Biodiversity administration committee, Akola.

Resource Required:

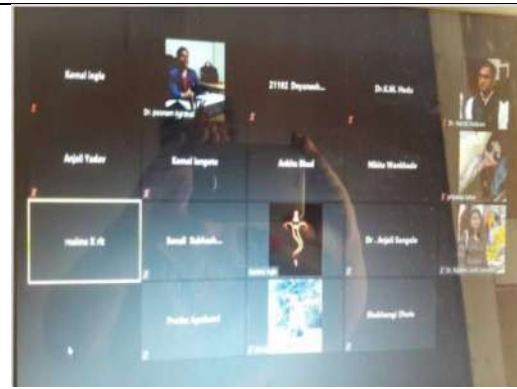
1. Self motivated, Nature loving staff members and Skilled Resource persons.
2. Financial support to organize activities.

Problem Encountered: No

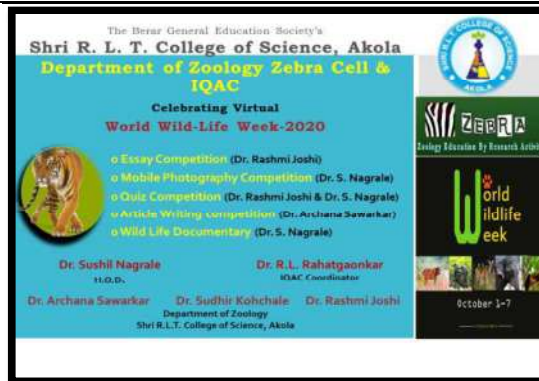
Nurturing the culture of environment consciousness :Highlights of the activities	
	
<p>Plantation Drive by College NSS and NCC Units at Shivapur 2020-21</p>	<p>Plantation drive at adopted village on 14/08/2020</p>
	
<p>Plantation on Independence day 15th August 2021</p>	<p>Plantation of medicinal plants on 1 July 2021</p>



Online Poster making competition on theme 'Ozone for Life'



Online Debate competition on the topic 'Is Lockdown Due to COVID-19 is Healing Ozone Layer Hole?'



Celebration of Wildlife conservation week



Publication of Biodiversity Calendar -2021



District Level Webinar on Conservation of Water under the theme of 'Catch the Rain, where it falls, when it falls'.



About E-Workshop
This workshop is organized by the Department of Botany, Shri R. L. T. College of Science, Akola, in collaboration with the National Advisory Committee on Organic Farming, Government of India. The workshop is scheduled for 24th March 2021 at 4.00 pm.

About Institute
Shri R. L. T. College of Science, Akola, is a Government College established in 1962. It is one of the largest and oldest colleges in Akola district. The college has a long tradition of academic excellence and is known for its research and extension activities.

मार्गदर्शन • श्री रातलते विज्ञान महाविद्यालयात तद्विद्य शेतोवर राष्ट्रीय कार्यशाळा: १५ मार्चलास ४:०५ परिक्रमाव्याचं उच्चैर्त सहभाग

दुष्परिणाम टाळण्यासाठी सेंद्रिय शेती सक्षम पर्याय

सैद्युत शेतोरी शेत, सेंद्रिय तंत्र, तसेच शास्त्रोक्तरीत्या बांधलेले पूतं पणे हे शेतकरी यशस्वी करतील. शास्त्रोक्त प्रत्येक कृती विद्यार्थी, शिक्षक, शेतकरी व सैद्युतज्ञान प्राप्त हे यशस्वी व सक्षम पर्याय आहे. सैद्युतज्ञान प्राप्त हे शेतकरी यशस्वी करतील. सैद्युतज्ञान प्राप्त हे शेतकरी यशस्वी करतील. सैद्युतज्ञान प्राप्त हे शेतकरी यशस्वी करतील.



National E-Workshop on Organic Farming for Sustainable Agriculture



World Sparrow Day
23 March 2021

Dr. B. G. Department of Zoology & IQAC organizing an innovative virtual competition for U.G. students and involving the class on the theme:

Sparrow Conservation: Today's Need!


You can submit your views in about 300 to 1000 words on the given mail id: zoology@shri-r-l-t.ac.in



A photograph showing a bird feeder hanging from a tree branch. The feeder is a simple wooden structure with a platform for birds to sit on. The background shows a clear sky and some greenery.

“Sparrow Conservation: Today's Need”.

Instalation of Bird Feeder in college campus



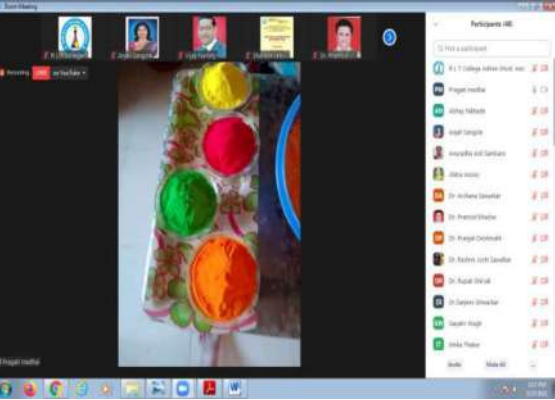
प्रकृति के रंग प्रकृति के रंग

The Bharu General Education Society's Shri R. L. T. College of Science, Akola

STATE LEVEL E-WORKSHOP ON ECO-FRIENDLY HOLI

Organised by Department of Botany, Environment and Cell & IQAC in Collaboration with Grameen Pratishthan (NGO), Nagpur

27th March 2021 at 4.00pm

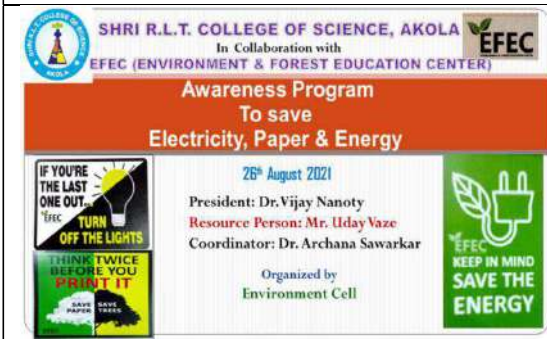


A screenshot of a Zoom meeting. The main window shows a colorful image of a Holi-themed treat, possibly a 'holi' or a similar sweet. The meeting interface shows several participants and a chat window on the right.

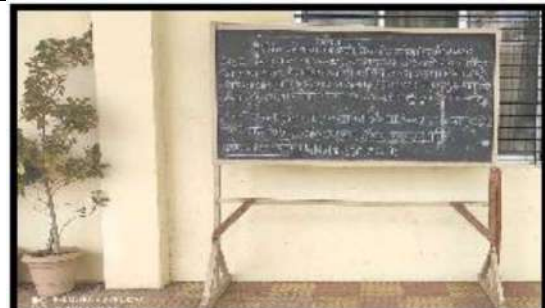
State Level E- Workshop on Eco-friendly Holi



Workshop on “E-Waste Management: Reduce, Repair, Refurbish, Recycle & Reuse”



Awareness program to save electricity, paper and energy



Reuse of waste and old furniture for making notice boards and boards stands

Group Activities:

1. Swachha Bharat Abhiyan 2018-19

<https://www.rltsc.edu.in/wp-content/uploads/2022/08/Swachha-Bharat-Abhiyan-2018-19.pdf>

2. Swachha Bharat Abhiyan 2019-20

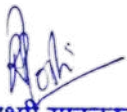
<https://rltsc.edu.in/wp-content/uploads/2021/03/Swachha-Bharat-Abhiyan-2019-20.pdf>

3. Swachha Bharat Abhiyan 2020-21

<https://rltsc.edu.in/wp-content/uploads/2021/03/Swachha-Bharat-Abhiyan-2019-20.pdf>

4. Swachha Bharat Abhiyan 2021-22

<https://www.rltsc.edu.in/wp-content/uploads/2022/08/Swachha-Bharat-Abhiyan-2021-22.pdf>


डॉ. रश्मी सावलकर (जोशी)
कार्यक्रम अधिकारी (रा.सो.वो.)
श्री.रा.त.विज्ञान महाविद्यालय, अकोला

Department of Microbiology:

Word Ozon Day 2022

(Details Report of the event seen in page no. 465-466)

<https://www.rltsc.edu.in/wp-content/uploads/2022/10/Report-World-Earth-Day-2022-Modified.pdf>

Tree Plantation

Environmental Cell

2017-18

(A) On the eve of Independence Day “Tree plantation Activity was carried out on the college campus & in the Botanical Garden of the college on 15.08.2017. Principal Dr. V.D. Nanoty, Dr. U.K. Bhalakar, R.J. Chavan grace the occasion. All staff members of the Botany department were present on this occasion. Mrs. V.N. Badgujar, Prof. P.M. Khadse, and Prof. Dr. A.A. Sangole. Prof. S.V. Madavi All HOD. & Staff.



(B) On 19/08/2017. Tree plantation activity was carried out at the hands of Vice Chancellor Dr. Murlidharji Chandekar S.G.B.A.U. Amravati. Dr. R. B. Hada, Adv. Motising Mohta, Principal Dr. V.D. Nanoty, Dr. S.G. Chapke Principal Smt. L. R. T. College of Comm. Akola grace the occasion. All Staff members and students of the Botany Department were present on this occasion.



2018-19

On the eve of Independence Day, 15.08.2018 “Tree Plantation” activity was carried out on the College campus and in Botanical Garden. Principal Dr. V.D. Nanoty, Dr. U.K. Bhalekar, Prof. R.G. Chavan, and Dr. Poonam Agrawal grace the occasion. Hod and All the Botany Department & Students of Holy Basil Club staff were present.



2020-21

Celebration of 'Krishi Divas':-

On 1 July 2021 Dept. Of Botany & Environmental Cell Celebrated 'Krishi Divas'. Plantation of medicinal plants useful for the Environment was planted on the campus in presence of Resp. Principal Dr. V. D. Nanoty Sir & Dr. Chandravanshi Sir. All the Environmental cell & Non – Teaching staff members were present at this event.



Plantation on Independence Day 15th August

On the occasion of the 75th Independence Day Department of Botany and Environmental Cell of the College Organised a Tree plantation program specialty of this program was the Higher

quantity of oxygen-produced plants planted. Outdoor plants like Tecoma stans, Nyctanthes arbor-tristis, Sapindus mukorossi, Bauhinia racemose, Putranjiva Roxburgh, Dalbergia sissoo, Anthocephalus cadamba, Moringa olifera, Murraya Koenig, Nerium India & Some Indoor or in shade plants like Ocimum sanctum, Ficus Benjamina, Dypsis lutescens, Dracena trifasciata were panted.



Tree plantation (4th OCT 2021)

On the occasion of the “Drug Designing & Drug discovery” Workshop held on 4th Oct. 2021,” Tree plantation” was done at the hands of Hon. Vice-Chancellor of SGBAU, Dr. Dilip Malkhede Sir in the college campus.

In this activity President of B.G.E. Society, Ad. Motisinghji Mohota Sir, Vice president, Shri. P. N. Maheshwari Sir, Principal Dr. V.D. Nanoty Sir, Principal Dr. S. G Chapke Sir, Principal Dr. Egoavkar Sir grace the occasion. Environment Cell Co-Ordinator Prof. Mrs. V. N. Badgujar, Dr. A.A. Sawarkar DR P. M. Khadse, Dr. A.A. Sangole Dr. R. P. Joshi, Mrs. Gawande, Shri S. V. Madavi & All the members of the Environment cell were present on this occasion.




Badgujar
Head,
Department of Botany
R.L.T College of Science
AKOLA

NSS

Plantation Program at Shivapur August 2021

Today on 06/02021 the NSS and NCC team of SHRI RLT COLLEGE OF SCIENCE AKOLA conducted the plantation program at Shivapur, near Suncity in collaboration with District Forest Office, Akola. About 15 NSS volunteers and 12 NCC students participated in the plantation drive under the guidance of respected Principal Dr. V. D. Nanoty and NSS PO Dr. Rashmi Joshi Sawalkar. Since 3 years this activity is performed in collaboration of the Dist Forest Office. Total of 75 saplings were planted by the RLT team. Mr. Arjuna K. R. Deputy Conservator of the forest was present for the event today. Mr. Suresh Wadode, Asst. Conservator, Mr. Ingle, Round Officer, and Rajesh Bidkar, forest Guard were present and guided the volunteers.





डॉ. रश्मी सावलकर (जोशी)
कार्यक्रम अधिकारी (स.सो.यो.)
श्री.स.ल.तो.विज्ञान महाविद्यालय, अकोला

Plantation Program at Shivapur July 2020

Today NSS Team of Shri RLT College of Science, Akola, in collaboration with Forest Office Akola planted about 30 plants by keeping social distance and by taking precautionary measures. Dr. Rashmi Joshi, the volunteers, and Forest Officer Shri Owe Sir, Shri Gite, and Shri Gondane took efforts for this plantation drive.

Also very happy to inform you that in July 2019 our NSS team planted about 142 saplings and today we saw them grow up. The forest members conserved them. The plantation drive was arranged at Shivapur near Sun City, Malkapur. Thanks to the Forest Office team for their help and kind support.




डॉ. रश्मी सावलकर (जोशी)
कार्यक्रम अधिकारी (रा.से.यो.)
श्री.रा.ल.तो.विज्ञान महाविद्यालय, अकोला

Plantation Drive on the occasion of Van-Mahotsav 2022

NSS unit & NCC cadets of Shri R.L.T. College of Science, Akola with Akola Forest Office arranged the Plantation Drive on occasion of Van-Mahotsav 2022 at Shivapur MIDC phase 4. The program was started in gracious presence of IAS NEEMA ARORA, Akola district collector, Shri Sanjay Khadse, Deputy Collector Akola, ACF Wadode. For the programme 20 NSS volunteers and 15 NCC cadets were present. Each student planted 4 trees. About 143 plants were planted by RLT team. The activity was organized under the guidance of NSS program officers Dr. Rashmi Joshi Sawalkar and Dr Samadhan Munde. The students worked hard for successful plantation drive. Hon. Collector and Deputy Collector appreciated the efforts taken by RLTian's. The forest department also thanked the team from Shri R.L.T. College of Science, Akola. Respected Principal, Dr V. D. Nanoty congratulated the team for creating environmental consciousness in students and also for successful plantation drive.



**PROBLEM-SOLVING
METHODOLOGY**

REPORT of AVISHKAR

Session: 2017-18

In the session 2017-18, the event Avishkar-The Research Festival was conducted by Shri Shivaji Arts, Commerce, and Science, College, Akola which was the Akola district center of the Avishkar event. Dr. G.V. Korpe worked as a District coordinator at this center institute. Dr. S. M. Nagarale, Associate Professor, Shri R. L. T. College of Science, Akola worked as a college coordinator of this event. In this session Overall, 14 students participated in University Level AVISHKAR 2017 Competition. A total of 13 students of our college were selected from the District Level Competition and One student's direct entry. Among these 04 students were selected from UG courses and 10 from PG courses under various categories under the able guidance of faculty members in our college. (Categories: Humanities, Language, Fine Arts, Commerce, Management and Law, Agriculture and Animal Husbandry, Medicine and Pharmacy, Pure Science, and Engineering and Technology).

After the successful completion of the University Level, a total of 4 (Four) students were selected for STATE Level AVISHKAR-2017 Competition. Among these three students from PG and one from UG, their names are Kanchan Mangatani, Insiyah D. Vora, Varsha D. Yennewar, and Priya Wankhade.

In the following table, the name, classes, and topics of the selected students are given.



Dr. S. M. Nagarale
Coordinator
Avishkar Committee

[SSR/Criterion-II/ Teaching, Learning & Evaluation/ QIM-2.3.1]

List of students selected for District Level AVISHKAR- 2017 competition (UG-Level)

Level	UG	Category	Humanities, Language, and Fine Arts
Sr. No	Name of Students	Class/Batch	Topic
1	Rushikesh Nimkarde	B.Sc.II (B5)	Eco friendly immersion of POP Idols
2	Yoshita K. Veera	B.Sc II (P4)	River Linkage- Noble Approach towards modern India
Level	UG	Category	Commerce, Management and Law
Sr. No	Name of Students	Class/Batch	Topic
3	Prajakta V.Deshmukh	B.Sc. II (B2)	Diet management for Physical Fitness
Level	UG	Category	Agriculture and Animal Husbandry
Sr. No	Name of Students	Class/Batch	Topic
4	Jayantika Sharma	B.Sc. II (P4)	Banana waste to develop an efficient insulating material
5	Priya Bhartilak	B.Sc.II(B1)	Seed germination promoting activity of some medicinally important compound
Level	UG	Category	Medicine and Pharmacy
Sr. No	Name of Students	Class/Batch	Topic
6	Shivani Tiwari	B.Sc.III (B1)	Extraction of Essential Oil from Orange peel
7	Apurva R. Shaha	B.Sc.II (B3)	Antimicrobial activity of Cow urine against MDR strain
Level	UG	Category	Pure Science
Sr. No	Name of Students	Class/Batch	Topic
8	Priya Wankhade	B.Sc.III (P4)	Comparative study of water pollution due to Idol immersion in Pinglakshi lake
9	Prutha Agnihotri	B.Sc. II (B1)	The efficiency of bioactive molecules as insecticidal agents
List of students who were selected for the University Level AVISHKAR -2017 Competition, who can directly participate in University			
Level	UG	Category	Engineering and Technology
Sr. No	Name of Students	Class/Batch	Topic
1	Yash Vidyasagar	B.Sc.II (P1)	Robotic Arm controlled by hand gesture

List of students selected for District Level AVISHKAR- 2017 competition (PG-Level)

Level	PG	Category	Humanities, Language and Fine Arts
Sr. No	Name of Students	Class/Batch	Topic
1	Kanchan Mangatani	M.Sc.II(Micro)	A study of Self defence and self dependent: Problems in Woman in Modern Era
2	Mrunali Kashid	M.Sc.II(Micro)	Healing herbs and spices
Level	PG	Category	Commerce, Management and Law
Sr. No	Name of Students	Class/Batch	Topic
3	Insiyah D. Vora	M.Sc.II (Maths)	Financial issues of non self sufficient Widows and Divorce Woman
4	Shruti G. Joshi	M.Sc.II(Micro)	AADHAR-India's unique innovation for robust Indian Economy
Level	PG	Category	Agriculture and Animal Husbandry
Sr. No	Name of Students	Class/Batch	Topic
5	Varsha D. Yennewar	M.Sc.II(Chem)	Preparation of Herbal tablets for food preservation
6	Manisha U.Dhore	M.Sc.II(Micro)	Composting of Nirmalya (flowers and leaves)
Level	PG	Category	Medicine and Pharmacy
Sr. No	Name of Students	Class/Batch	Topic
7	Dnyaneshwari D. Hatolkar	M.Sc.II(Micro)	Antibacterial activity of Aegle marmelos
8	Ruchita D.Dhole	M.Sc.II(Micro)	Spices against MRSA
Level	PG	Category	Pure Science
Sr. No	Name of Students	Class/Batch	Topic
9	Shreya N Relkar	M.Sc.II(Micro)	Thalassemia
10	Harsha Agrawal	M.Sc.II(Micro)	Flower processing for Industrial Utilisation

[SSR/Criterion-II/ Teaching, Learning & Evaluation/ QIM-2.3.1]

List of the students selected for University Level AVISHKAR-2017 Competition (UG Level)

Level	UG	Category	Medicine and Pharmacy
Sr. No	Name of Students	Class/Batch	Topic
1	Shivani Tiwari	B.Sc.III (B1)	Extraction of Essential Oil from Orange peel
2	Apurva R. Shaha	B.Sc.II (B3)	Antimicrobial activity of Cow urine against MDR strain
Level	UG	Category	Pure Science
Sr. No	Name of Students	Class/Batch	Topic
3	Priya Wankhade	B.Sc.III (P4)	Comparative study of water pollution due to Idol immersion in Pinglakshi lake

Following students directly participate in AVISHKAR Competition at the UG level under Category of **Engineering and Technology**

Level	UG	Category	Engineering and Technology
Sr. No	Name of Students	Class/Batch	Topic
1	Yash Vidyasagar	B.Sc.II (P1)	Robotic Arm is controlled by hand gesture

Overall, 14 students participated in University Level AVISHKAR 2017 Competition (13 Students Selected from District Level Competition and One student's direct entry) (3+1 from UG and 10 from PG Level)

[SSR/Criterion-II/ Teaching, Learning & Evaluation/ QIM-2.3.1]

List of the students selected for University Level AVISHKAR-2017 Competition (PG Level)

Level	PG	Category	Humanities, Language and Fine Arts
Sr. No	Name of Students	Class/Batch	Topic
1	Kanchan Mangatani	M.Sc.II(Micro)	A study of Self defence and self dependent: Problems in Woman in Modern Era
2	Mrunali Kashid	M.Sc.II(Micro)	Healing herbs and spices
Level	PG	Category	Commerce, Management and Law
Sr. No	Name of Students	Class/Batch	Topic
1	Insiyah D. Vora	M.Sc.II (Maths)	Financial issues of non self sufficient Widows and Divorce Woman
2	Shruti G. Joshi	M.Sc.II(Micro)	AADHAR-India's unique innovation for robust Indian Economy
Level	PG	Category	Agriculture and Animal Husbandry
Sr. No	Name of Students	Class/Batch	Topic
1	Varsha D. Yennewar	M.Sc.II(Chem)	Preparation of Herbal tablets for food preservation
2	Manisha U.Dhore	M.Sc.II(Micro)	Composting of Nirmalya (flowers and leaves)
Level	PG	Category	Medicine and Pharmacy
Sr. No	Name of Students	Class/Batch	Topic
1	Dnyaneshwari D. Hatolkar	M.Sc.II(Micro)	Antibacterial activity of Aegle marmelos
2	Ruchita D.Dhole	M.Sc.II(Micro)	Spices against MRSA
Level	PG	Category	Pure Science
Sr. No	Name of Students	Class/Batch	Topic
1	Shreya N Relkar	M.Sc.II(Micro)	Thalassemia
2	Harsha Agrawal	M.Sc.II(Micro)	Flower processing for Industrial Utilisation

[SSR/Criterion-II/ Teaching, Learning & Evaluation/ QIM-2.3.1]

List of the students selected for State Level AVISHKAR-2017 Competition (UG & PG Level)

Level	PG	Category	Humanities, Language and Fine Arts
Sr. No	Name of Students	Class/Batch	Topic
1	Kanchan Mangatani	M.Sc.II(Micro)	A study of Self defence and self dependent: Problems in Woman in Modern Era
Level	PG	Category	Commerce, Management and Law
Sr. No	Name of Students	Class/Batch	Topic
2	Insiyah D. Vora	M.Sc.II (Maths)	Financial issues of non self sufficient Widows and Divorce Woman
Level	PG	Category	Agriculture and Animal Husbandry
Sr. No	Name of Students	Class/Batch	Topic
3	Varsha D. Yennewar	M.Sc.II(Chem)	Preparation of Herbal tablets for food preservation
Level	UG	Category	Pure Science
Sr. No	Name of Students	Class/Batch	Topic
4.	Priya Wankhade	B.Sc.III (P4)	Comparative study of water pollution due to Idol immersion in Pinglakshi lake

- Total 4 (Four) students are selected for STATE Level AVISHKAR-2017 Competition.
- Four Students got Colour Coat for University Level AVISHKAR-2017 Competition.




 Dr. S. M. Nagrale
 Coordinator
 Avishkar Committee

REPORT of AVISHKAR

Session: 2018-19

Name of the Activity	District Level Teacher coordinators Workshop for Avishkar (On the Occasion of Golden Jubilee Year of Shri R. L. T. College of Science, Akola)		
Date	Faculty	Department/ Committee	Coordinator Name
19-09-2019	-----	Shri R. L. T. College of Science, Akola	Dr. Poonam T. Agrawal
Time	Venue	Number of Participants	Nature Indoor/Outdoor /Online/Offline
-----	Shri R.L. T. College of Science, Akola	13 Teachers 200 Students	Offline
Link	https://www.rltsc.edu.in/2019/09/23/avishkar-activity/		
Support/ Assistance	S. G. B. Amravati University, Amravati & Shri R.L.T. College of Science, Akola		



Principal

Shri R.L.T. College of Science. Akola

[SSR/Criterion-II/ Teaching, Learning & Evaluation/ QIM-2.3.1]

BRIEF INFORMATION ABOUT THE ACTIVITY (CRITERION NO. 2)

TOPIC/ SUBJECT OF THE ACTIVITY	District Level Teacher coordinators Workshop for Avishkar
OBJECTIVES	<ol style="list-style-type: none"> 1. To motivate the Students for Research activities, 2. To Develop and Nourish the Research culture among the teachers and students. 3. To Provide the Platform for the innovative concept of the students. 4. To develop thinking and creativity among the students.
METHODOLOGY	<p>Sant Gadge Baba Amravati University, Amravati every year organizes the Research Festival Avishkar for the students of U.G., P.G., Post P.G., and teachers perusing M.Phil. Ph.D. to Promote the research culture among the students there is an organization of Avishkar Festival. For this, there is the organization of the 14th Intercollegiate Research Convention, Teacher Coordinators Workshop on 19th Sept. 2019 at Shri R.L.T. College of Science, Akola. There were 13 teacher coordinators and more than 200 students registered for the event. Hon'ble Adv. M. G. Mohta, Honorary Secretary, The Berar General Education Society, Akola President over the function. Hon'ble Dr. D.Y.Chacharkar, Associate Professor Dept. of Commerce and Management inaugurated the festival. Dr. V.D. Nanoty Principal Shri R.L.T. College of Science, Akola delivered the welcome speech. Introduction remarks were expressed by Dr. Poonam Agrawal, District coordinator of Akola District. Dr. Sudhir Kochale conducted the Inauguration function. Hon'ble Dr. D.Y. Chacharkar, Hon'ble Dr. R.D.Sarode, Hon'ble Dr. P.A. Gawande, and Hon'ble Dr. Z. H. Khan sir were the workshop's resource persons.</p> <p>The resource persons explained all the detailed information about the research projects, how to select the Project, and the different evaluation processes of the Avishkar competition was explained in four technical sessions. A vote of Thanks was proposed by Dr. Aashish Sarap.</p> <p>Hon'ble Dr. D. T. Ingole, Director of Innovation and Incubation linkages center, S.G. B. Amravati University, Amravati was the Chief Guest for the valedictory function of the workshop. Dr. Harish Malpani presents the report of the whole event and Dr. Kavita Heda proposed a vote of thanks for the Valedictory function. Dr. R.L.Rahatgaonkar, DR. R.D. Choudhary, and all teaching and non-teaching staff members worked for the success of the programme.</p>
OUTCOMES	<ol style="list-style-type: none"> 1. Total 13 students and 200 students get benefitted from this workshop. 2. As a result of this workshop a huge response is received for the Research Festival Avishkar.

	<ol style="list-style-type: none">3. 11 Students from our college get selected for the University level Competition.4. Two Students were Awarded color coats and represented the University at the inter-university competition.
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Photo Gallery



S. Agrawal

Coordinator
Dr. Poonam T. Agrawal
Assistant Professor & Head,
Department of Chemistry,
Shri R.L.T. College of Science, Akola

List of students selected for District Level AVISHKAR- 2018 competition

Level	UG	Category	Humanities, Language and Fine Arts
Sr. No	Name of Students	Class/Batch	Topic
1	Rutvija Deshmukh	B.Sc.I	Effect of Kirtan on Human Behaviour
2	Ashwini Rudrakar	B.Sc.III	Painting: Reflection of Imagination
Level	UG	Category	Commerce, Management and Law
Sr. No	Name of Students	Class/Batch	Topic
3	Yoshita Veera	B.Sc.III	Dust settler: An Economic Homemade Instrument
4	Prajakta Deshmukh	B.Sc.III	An Ecofriendly Ganesh Idol: A green alternative to Plaster of Paris
Level	UG	Category	Agriculture and Animal Husbandry
Sr. No	Name of Students	Class/Batch	Topic
5	Miss Komal Ingale	B.Sc.II	Utilization of Sericulture waste for Preparation of Compost
6	Balraj Khuraniya	B.Sc.III	Assessment of Ground water quality
Level	UG	Category	Medicine and Pharmacy
Sr. No	Name of Students	Class/Batch	Topic
7	Shiwani g. Gangamwar	B.Sc.I	Tinospora cardifolia
8	Apurva Shah	B.Sc.III	Herbal Solution Remedies for Dandruff
Level	UG	Category	Pure Science
Sr. No	Name of Students	Class/Batch	Topic
9	Pooja Waghela	B.Sc.II	Migraine Attack
10	Vasundhara Dutonde	B.Sc.III	Biodiesel preparation from Virgin
List of student selected for University Level AVISHKAR -2018 Competition, who can directly participated in University			
Level	UG	Category	Engineering and Technology
Sr. No	Name of Students	Class/Batch	Topic
1	Mr. Akhilesh Puranik	B.Sc.I	Handmade Paper
2	Mr. Nagorao S. Fulkare	B.Sc.II	Oil Spoilage Model

Shri R.L.T.College of Science, Akola
AVISHKAR- an Intercollegiate Research Festival
2018-19

List of students selected for District Level AVISHKAR- 2018 competition

Level	PG	Category	Humanities, Language and Fine Arts
Sr. No	Name of Students	Class/Batch	Topic
1	Rohit P. Khirade	M.Sc. II	Rangoli
Level	PG	Category	Commerce, Management and Law
Sr. No	Name of Students	Class/Batch	Topic
2	Kanchan Mangtani	M.Sc. II	Waste Management
Level	PG	Category	Agriculture and Animal Husbandry
Sr. No	Name of Students	Class/Batch	Topic
3	Krashna R. Laddha	M.Sc.II	Effect of Spraying Fermented extract
4	Shrutika S. Chandak	M.Sc.II	Production and optimization of cyonobacterial biofertilizer for saline belt of Vidarbha region
Level	PG	Category	Medicine and Pharmacy
Sr. No	Name of Students	Class/Batch	Topic
5	Roshni Kadam	M.Sc. II	Study of antimicrobial contain in Pumpkin
6	Vaishnavi Sharma	M.Sc. I	Antimicrobial activity effect....
Level	PG	Category	Pure Science
Sr. No	Name of Students	Class/Batch	Topic
Null			

2018-19

List of students selected for UNIVERSITY LEVEL AVISHKAR- 2018 competition

Level	UG	Category	Humanities, Language and Fine Arts	Rank
Sr. No	Name of Students	Class/Batch	Topic	
1	Rutvija Deshmukh	B.Sc.I	Effect of Kirtan on Human Behaviour	3rd
Level UG Category Commerce, Management and Law				
Sr. No	Name of Students	Class/Batch	Topic	
2	Yoshita Veera	B.Sc.III	Dust settler: An Economic Homemade Instrument	1st
Level UG Category Agriculture and Animal Husbandry				
Sr. No	Name of Students	Class/Batch	Topic	
3	Balraj Khuraniya	B.Sc.III	Assessment of Ground water quality	1st
Level UG Category Medicine and Pharmacy				
Sr. No	Name of Students	Class/Batch	Topic	
4	Apurva Shah	B.Sc.III	Herbal Solution Remedies for Dandruff	2nd
Level UG Category Pure Science				
Sr. No	Name of Students	Class/Batch	Topic	
5	Vasundhara Dutonde	B.Sc.III	Biodiesel preparation from Virgin	1st
List of student selected for University Level AVISHKAR -2018 Competition, who can directly participated in University				
Level UG Category Engineering and Technology				
Sr. No	Name of Students	Class/Batch	Topic	
1	Mr. Akhilesh Puranik	B.Sc.I	Handmade Paper	
2	Mr. Nagorao S. Fulkare	B.Sc.II	Oil Spoilage Model	

Shri R.L.T.College of Science, Akola
 [SSR/Criterion-IV/Teaching, Learning & Evaluation/OIM-2.3.1]
AVISHKAR- an Intercollegiate Research Festival
2018-19

List of students selected for UNIVERSITY LEVEL AVISHKAR- 2018 competition

Level	PG	Category	Humanities, Language and Fine Arts	Rank
Sr. No	Name of Students	Class/Batch	Topic	
1	Rohit P. Khirade	M.Sc. II	Rangoli	2nd
Level	PG	Category	Commerce, Management and Law	
Sr. No	Name of Students	Class/Batch	Topic	
2	Kanchan Mangtani	M.Sc. II	Waste Management	1st
Level	PG	Category	Agriculture and Animal Husbandry	
Sr. No	Name of Students	Class/Batch	Topic	
3	Krashna R. Laddha	M.Sc.II	Effect of Spraying Fermented extract	1st
4	Shrutika S. Chandak	M.Sc.II	Production and optimization of cyonobacterial biofertilizer for saline belt of Vidarbha region	3rd
Level	PG	Category	Medicine and Pharmacy	
Sr. No	Name of Students	Class/Batch	Topic	
5	Roshni Kadam	M.Sc. II	Study of antimicrobial contain in Pumpkin	3rd

List of students selected for STATE LEVEL AVISHKAR- 2018 competition

Level	PG	Category	Commerce, Management and Law
Sr. No	Name of Students	Class/Batch	Topic
2	Kanchan Mangtani	M.Sc. II	Waste Management

Level	UG	Category	Pure Science
Sr. No	Name of Students	Class/Batch	Topic
5	Vasundhara Dutonde	B.Sc.III	Biodiesel preparation from Virgin

Two students of our college were selected for state level AVISHKAR competition organized at Gondwana University on dated 15 -16 March 2019




Dr. S. M. Nagrale
Coordinator
Avishkar Committee

REPORT of AVISHKAR

Session: 2019-20

Name of the Activity	District Level Teacher Research Festival Avishkar (On the Occasion of Golden Jubilee Year of Shri R. L. T. College of Science, Akola)		
Date	Faculty	Department/ Committee	Coordinator Name
10-01-2020	-----	Shri R.L.T.College of Science, Akola	Dr. Poonam T. Agrawal
Time	Venue	Number of Participants	Nature Indoor/Outdoor /Online/Offline
-----	Shri R.L. T. College of Science, Akola	125 Students	Offline
Link	http://rltsc.edu.in/wp-content/uploads/2021/04/R.L.T-Avishkar-2019-Report.pdf		
Support/ Assistance	S. G. B. Amravati University, Amravati & Shri R.L.T. College of Science, Akola		



Principal

Shri R.L.T.College of Science, Akola

BRIEF INFORMATION ABOUT THE ACTIVITY

TOPIC/ SUBJECT OF THE ACTIVITY	District Level Teacher Research Festival Avishkar
OBJECTIVES	<ol style="list-style-type: none"> 1. To Provide the Small scale business to the students. 2. To motivate the Students for Research Activity. 3. To Develop and Nourish the Research culture among the teachers and students. 4. To Provide the Platform for the innovative concept of the students. 5. To develop thinking and creativity among the students.
METHODOLOGY	<p>The event was organized at shri R.L.T.College of Science, Akola on 10th January 2020. Avishkar is an intercollegiate research festival which provide platform for research talent of the students at the university level. It also aims to inculcate research culture and original thinking as essential in the age of openness and globalization for knowledge based society.</p> <p>Total 62 posters and models from five subjects were registered for the event from above subjects from different colleges from Akola District. Each posters and models were presented by two or three students. Total 125 students had directly participated in the event and 150 more students visited posters and models from various colleges.</p> <p>Hon. D.T.Ingole, Director Incubation and Innovation & linkage centre, SGB Amravati University, Amravati inaugurated the festival. Hon. R. B. Heda, President The B.G.E. Society, Akola presided over th function. Hon. Adv. MotisinghMohta was the Chief Guest for the function. Introductory remarks were express by Dr. Poonam Agrawal, District coordinator of Akola District. Welcome speech was delivered by Dr, V.D. Nanoty, Principal, Shri R.L.T. College of Science, Akola, Dr. SudhirKochale conducted the Programme and Vote of thanks were proposed by DR. A.G. Sarap.</p> <p>Hon. V.D. Nanoty, Principal Shri R.L.T. College of Science, Akola was the president for Valedictory function. Dr. S.B. Tada. Conducted the valedictory and Dr. Kavita Heda proposed vote of thanks.</p> <p>Finally 20 entries of Researches from Amravati district were selected for University level Avishkar-2019.</p> <p>The overwhelming responses to this science fest, boosts our moral and encourage us to organize, the similar event in future also. The response of the students to this festival indicates that the youth are having the many innovative and creative ideas and by this festival to exhibit their innovations and ideas.</p>
OUTCOMES	<ol style="list-style-type: none"> 1. Total125 students of Sant Gadge Baba Amravati University, Amravati get benefitted by this Research Festival. 2. As a Result of this workshop a huge response is received for the Research Activity from our college.

[SSR/Criterion-II/ Teaching, Learning & Evaluation/ QIM-2.3.1]

	<p>3. 11 Students from our college get selected at University level Competition.</p> <p>4. Two Students Awarded with color coat and represented the University at Interuniversity competition.</p>
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Photo Gallery



Poonam

Coordinator
Dr. Poonam T. Agrawal
 Assistant Professor & Head,
 Department of Chemistry,
 Shri R.L.T. College of Science, Akola

List of students selected for District Level AVISHKAR- 2019 competition

Level	UG	Category	Humanities, Language and Fine Arts
Sr. No	Name of Students	Class/Batch	Topic
1	Balraj Babulal Khuraniya	B.Sc.III	Cramation and its impact on the Environment
2	Lekha D. Upadhyay	B.Sc II	Child Abuse.....

Level	UG	Category	Commerce, Management and Law
Sr. No	Name of Students	Class/Batch	Topic
3	Sonal Sanjay Khelkar	B.Sc.II	Solar Power.....
4	Vaibhavi B Tople	B.Sc.II	PIL.....

Level	UG	Category	Agriculture and Animal Husbandry
Sr. No	Name of Students	Class/Batch	Topic
5	Vishvajitsinh S. Daberao	B.Sc.II	Bacteria: Biocontrol agent
6	Pooja P.Waghela	B.Sc.III	Dolichos lablab:

Level	UG	Category	Medicine and Pharmacy
Sr. No	Name of Students	Class/Batch	Topic
7	Nikita J. Upadhya	B.Sc.III	Preparation of Mosquito repellent herbal candle
8	Atul R. Seth	B.Sc.II	Antimicrobial Potential of Acalypha Indica

Level	UG	Category	Pure Science
Sr. No	Name of Students	Class/Batch	Topic
9	Komal S. Ingle	B.Sc III	Dust Pollutant...
10	Anuraj G. Chauhan	B.Sc.III	Fabrication of Nano Particle

List of student selected for University Level AVISHKAR -2018 Competition, who can directly participated in University

Level	UG	Category	Engineering and Technology
Sr. No	Name of Students	Class/Batch	Topic
1	Rohit S. Wadkar	B.Sc.II	Light through communication
2	Vaibhav B. Sarat	B.Sc.II	Development of Phosphor for

**AVISHKAR- an Intercollegiate Research Festival
2019-20**

List of students selected for District Level AVISHKAR- 2019 competition

Level	PG	Category	Humanities, Language and Fine Arts
Sr. No	Name of Students	Class/Batch	Topic
1	Neha Phafat	M.Sc.I	Sand Art
Level	PG	Category	Commerce, Management and Law
Sr. No	Name of Students	Class/Batch	Topic
2	Shweta R. Rudrakar	M.Sc.I	Juvenile Delinquency...
Level	PG	Category	Medicine and Pharmacy
Sr. No	Name of Students	Class/Batch	Topic
3	Shraddha G. Akhare	M.Sc.II	Use of Biological made silver nanoparticle.....
4	Shraddha M. Ganorkar	M.Sc.I	Mother Milk Bank.....
Level	PG	Category	Pure Science
Sr. No	Name of Students	Class/Batch	Topic
5	Nita A. Ambulkar	M.Sc.II	Overuse of Mobile
6	Trupti R. Ugale	M.Sc.II	Comparative analysis of ambient temperature

2019-20

List of students selected for UNIVERSITY LEVEL AVISHKAR- 2019 competition

Level	UG	Category	Humanities, Language and Fine Arts	Rank
Sr. No	Name of Students	Class/Batch	Topic	
1	Balraj Babulal Khuraniya	B.Sc.III	Cramation and its impact on the Environment	
Level	UG	Category	Agriculture and Animal Husbandry	
Sr. No	Name of Students	Class/Batch	Topic	
2	Vishvajitsinh S. Daberao	B.Sc.II	Bacteria: Biocontrol agent	
Level	UG	Category	Medicine and Pharmacy	
Sr. No	Name of Students	Class/Batch	Topic	
3	Nikita J. Upadhya	B.Sc.III	Preparation of Mosquito repellent herbal candle	
Level	UG	Category	Pure Science	
Sr. No	Name of Students	Class/Batch	Topic	
4	Anuraj G. Chauhan	B.Sc.III	Fabrication of Nano Particle	

Shri R.L.T.College of Science, Akola
 [SSR/Criterion-IV/Teaching, Learning & Evaluation/OIM-2.3.1]
AVISHKAR- an intercollegiate Research Festival
2019-20

List of students selected for UNIVERSITY LEVEL AVISHKAR- 2019 competition

Level	PG	Category	Humanities, Language and Fine Arts	Rank
Sr. No	Name of Students	Class/Batch	Topic	
1	Neha Phafat	M.Sc.I	Sand Art	
Level	PG	Category	Commerce, Management and Law	Rank
Sr. No	Name of Students	Class/Batch	Topic	
2	Shweta R. Rudrakar	M.Sc.I	Juvenile Delinquency...	
Level	PG	Category	Agriculture and Animal Husbandry	Rank
Sr. No	Name of Students	Class/Batch	Topic	
3	Shraddha G. Akhare	M.Sc.II	Use of Biological made silver nanoparticle.....	
Level	PG	Category	Pure Science	Rank
Sr. No	Name of Students	Class/Batch	Topic	
4	Trupti R. Ugale	M.Sc.II	Comparative analysis of ambient temperature	

Shri R.L.T.College of Science, Akola
AVISHKAR- an Intercollegiate Research Festival
2019-20

List of students selected for STATE LEVEL AVISHKAR- 2019 competition

Level	PG	Category	Commerce, Management and Law
Sr. No	Name of Students	Class/Batch	Topic
	Shraddha G. Akhare	M.Sc.II	Use of Biological made silver nanoparticle.....
Level	UG	Category	Pure Science
Sr. No	Name of Students	Class/Batch	Topic
	Anuraj G. Chauhan	B.Sc.III	Fabrication of Nano Particle

Total two students participated in state level AVISHKAR 2019-20 competition from Shri R.L.T. College of Science, Akola which was organized by University of Mumbai on January 28-31, 2020.



<https://www.rltsc.edu.in/2020/01/21/avishkar-2020-2/>

Dr. S. M. Nagrale
Coordinator
Avishkar Committee

Shri R. L. T. College of Science, Akola

Shri R.L.T. College of Science, Akola
P. G. Department of Chemistry

Student Projects

(Session: 2017-18)

Sr.No.	Name of Student	Topic	Supervisor
1.	Ms. Darshana M. Damre	Synthesis, characterization and antimicrobial screening of novel triazine linked pyrazole heterocyclics.	Dr. P. P. Deohate
2.	Ms. Yogita M. Thakare	Synthesis structural study and antimicrobial evaluation of novel triazine linked pyrazole heterocyclics.	
1.	Ms. Bhagyashri M. Lakde	Comparative study and antimicrobial activity of Maltosyl octabenzoate and its nanoparticles.	Dr. P. T. Agrawal
2.	Ms. Rana A. Karim	Synthesis and characterisation of Hepta-O-Benzoyl- β -D-Maltosyl isothiocyanate and its nanoparticles.	
3.	Ms. Tarannum S. Kureshi	Comparative study of Microwave assisted synthesis of 1-Hepta-O-Benzoyl- β -D-Maltosyl-2,4-Dithiobiuret and its nanoparticles.	
1.	Ms. Priya S. Darade	Lemon juice environment friendly and efficient catalyst for synthesis of 2,4-dithiazolidine amino-aryl-pyrimidine-2,4-dione.	Prof. P. R. Kawle
2.	Mr. Noman A. Khan	Utilizing orange juice as a green catalyst for preparation of pyrazole fused pyridazine.	
3.	Mr. Prashant D. Tade	Natural acid catalyst for synthesis of 4-aryl-5-pyridinyl-isooxazolo-pyridazine and their antimicrobial activity.	
1.	Ms. Laxmi R. Khandekar	Synthesis and characterization of sugar containing -3(2)-hydrazino-1,3-substituted benzothiazolyl thiocarbamide.	Dr. K. M. Heda
2.	Ms. Nayana R. Ingle	Synthesis and characterization of 1-Tetra-O-Benzoyl- β -D-Glucosyl-3(-2) Hydrazino-1,3-substituted benzothiazolyl thiocarbamide.	
3.	Ms. Swati K. Rathod	Spectral evaluation of newly synthesized hydrazino-1,3 substituted benzothiazolyl thiocarbamide.	
1.	Ms. Pooja S. Bhuyar	Comparative study and biological activity of 1-Hepta-O-Acetyl- β -D-Maltosyl isothiocyanate and their nanoparticles which is bulk solution.	Dr. A. G. Sarap
2.	Ms. Priya P. Kalpande	Synthesis and characterization of nanoparticles of 1-Hepta-O-Acetyl- β -D-Maltosyl-2,4-Dithiobiuret and their biological	

[SSR/Criterion-II/ Teaching, Learning & Evaluation/ QIM-2.3.1]

		activity.	
3.	Ms. Samiksha A. Sarap	Comparative study and biological activity of Maltosyl Octaacetyl and nanoparticles with its bulk solution.	

1.	Ms. Jayashri S. Rahate	Synthesis and characterization of 5-benzylidene-1,3-diphenyl-2-thioxodihydropyrimidine-4,6(1H,5H)-dione.	Mr.V. D. Deotale
2.	Ms. Poonam G. Zanwar	Synthesis and characterization of 1-phenyl-3-(phenylamino)-2-thioxodihydropyrimidine-4,6(1H,5H)-dione.	
3.	Mr. Dhiraj S. Ingle	Synthesis and characterization of 5-nitro-1,3-diphenyl-1,2-thioxodihydropyrimidine-4,6(1H,5H)-dione.	
4.	Mr Sanket P. Patil	Synthesis and characterization of 4,7-thioxo-3,4,7,8-tetrahydro-2H,9H pyrido[1,2,4,5][1,3,4]oxadiazolo[3,2H]pyridine-2,9-dione.	
1.	Ms. Nandinee S. Khadakkar	Facile synthesis of 3-hydroxy acetophenone derivatives of chalcones and their antimicrobial activities.	Mr. S.C. Zyate
2.	Ms. Prachi R. Katkar	Facile synthesis of 4-hydroxy acetophenone derivatives of chalcones and their antimicrobial activities.	
3.	Ms. Savita S. Gawai	Facile synthesis of Bromo acetophenone derivatives of chalcones and their antimicrobial activities.	
4.	Ms. Varsha D. Yannewar	Facile synthesis of 2-hydroxy acetophenone derivatives of chalcones and their antimicrobial activities.	

Date : 28.04.2018



Dr. P. T. Agrawal
Head of Chemistry Department



Dr. V. D. Nanoty
Principal
Shri R. L. T. College of
Science, Akola

Shri R.L.T. College of Science, Akola
P. G. Department of Chemistry
Student Projects
(2018-19)

Sr.No.	Name of Student	Topic	Supervisor
1.	Ms Ankita R. Mahalle	Assessment Of Water Quality Of Katepurna River Used For Irrigation Of Agriculture Land At Gram- Pardi, District- Akola, Maharashtra.	Dr. P. P. Deohate
2.	Ms. Payal D.Mahalle	Study Of Physiochemical Characteristics Of Ground Water Used For Irrigation Of Agriculture Land At Gram- Mozari (B.K), District- Akola, Maharashtra.	
3.	Ms.Rizwana S. Shaikh	Analysis Of Ground Water Quality And Its Suitability For Irrigation Of Agriculture Land At Gram- Kumbhari, District- Akola , Maharashtra.	
1.	Ms. Safiya Parveen	Study Of Some Novel Hepta-O-Benzoyl-B-D-Maltosyl Formamidine.	Dr. P. T. Agrawal
2.	Ms. Swati G. Parmale	Synthesis And Nanopartical Study Of Some Novel Maltosylated Formamidines.	
3.	Mr.Mohd Faraz	Microbial Evolution And Desulphurization Of Some Aryl Thicarbamide.	
1.	Ms. Aishwarya J. Banait	Microwave Induced Preparation Of 2-Acridine -9-Yl-Aryl –Amines And Antimicrobial Acitivity	Prof. P. R. Kawle
2.	Ms Pallavi A. Bhagat	3-Aryl – 2,3 Dihydro -1H-2,7 Diaza – Benzol [D] Antharcene : Synthesis And Characterization And Antimicrobial Activity.	
3.	Ms. Pragati R.Giri	Synthesis And Biological Activity Of 9-Subsituted Dihydro Acridine –9-Yl Amine	
1.	Ms. Ankita A. Shelke	Synthesis Characterization & Biological Study Of Sugar Containing S- Benzyl Isothiocarbamide.	Dr. K. M. Heda
2.	Ms. Rhituja S. Jaunjal	Synthesis Characterization & Antimicrobial Activity 1- Tetra-O-Benzoyl-B-Glucosyl-3-Aryl -2 Subsituted S- Benzyl Isothiocarbide	
3.	Ms. Pratiksha A. Sarde	Synthesis Of Some Biologically Important Sugar Conataining S-Benzyl Isothiocarbamide As Antimicrobial & Antifungal Agent.	

[SSR/Criterion-II/ Teaching, Learning & Evaluation/ QIM-2.3.1]

1.	Ms. Anita B. Kogde	A Facile Synthesis & Characterization Of Lactosylated Formidines.	
2.	Ms. Sapana P. Chavan	Synthesis Characterization & Nanoparticle Studies Of Hepta-O-Benzoyl-B-D-Lactosyl Formamidines.	
3.	Ms. Sapana R. Hadole	Synthesis & Characterization Of Desulphurized Aryl Thiocarbamide And Their Microbial Studies	

1.	Ms. Priyanka V. Kad	Comparative Study Of Irrigation Water Analysis Collected From Canal, Borewell And Well Of Dahegaon Gawande Region Of Akola, District	Mr. V. D. Deotale
2.	Ms. Rashmi V. Umale	Analysis Of Irrigation Water Collected From Different Villages Of Akola, District.	
3.	Ms. Reshma S. Chitode	Comparative Study Of Irrigation Water Analysis Collected From Hanuman Sagar Dam Other Sources Of Akola, District.	
1.	Ms. Raksha D. Shukla	Facile Synthesis Of M-Hydroxy Acetophenone Derivatives Of Chalcones By Microwave Method.	Mr. S.C. Zyate
2.	Ms. Shital R. Bhagat	Facile Synthesis Of P-Bromo Acetophenone Derivatives Of Chalcone By Microwave Method.	
3.	Ms. Shradha B. Bende	Facile Synthesis Of O- Chlorobenzaldehyde & P- Chlorobenzaldehyde Derivatives Of Chalcones By Microwave Method.	

Date : 11.04.2019



Dr. P. T. Agrawal
Head of Chemistry Department



Dr. V. D. Nanoty
Principal
Shri R. L. T. College of
Science, Akola

Sant Gadge Baba Amravati University, Amravati
Shri R.L.T. College of Science, Akola
P. G. Department of Chemistry
M. Sc II (Sem-IV) Year 2019-20
Research Project list

Sr. No.	Roll No.	Name of the Students	Topic of Project
1.	85280	Ms.Ankita R. Bagade	Assessment of ground water quality & its applicability of irrigation of agricultural land at gram –Borgaon Manju Dist. Akola
2.	85279	Ms. Anjali B. Yadav	comparative study of nanoparticle of lactose octa benzoate by chemical and biological method
3.	85282	Ms.Kanchan S. Somwansi	Analysis of ground water quality and it's suitability for irrigation of agriculture land at Gram- Gandhigram
4.	85284	Ms.Komal R. Jadhav	Synthesis of novel 3- aryl -1H -2,3 - diaza - benzo - anthracene.
5.	85283	Ms.Komal M. Thakare	Analysis of irrigation water quality of Village Kalegao in buldhana district
6.	85285	Ms.Neha M. Chatarkar	Analysis of irrigation water quality of village kapshi (talav) in akola district
7.	85286	Ms. Nikita V. Umale	Nanoparticle synthesis of Hepta-O-Benzoyl-B-D-Maltosyl isothiocyanate and their characterization
8.	85287	Ms.Priti D. Metangale	Comparative study of Nanoparticle of Hepta-O-B-D-Lactosyl Bromide with Chemical and Biological method
9.	85288	Ms.Prutha P. Agnihotri	Nanoparticle Synthesis of Hepta-O-Benzoyl-B-D-Lactosyl isothiocyanate and their characterization
10.	85289	Ms.Radhika N. Bute	Synthesis, Characterization and of 1-tetra-O-Benzoyl-β-D-glucosyl-5-aryl 2,4dithiocarbamide”
11.	85290	Ms.Roshani R. Gwalani	SYNTHESIS OF NOVEL IODINE CATALYZED SUBSTITUTED DERIVATIVES OF ACRIDINE(ANTHRACENE)
12.	85291	Ms.SabaFirdous S. Wazeer	Analysis of irrigation water quality of Balapur taluka district akola
13.	85293	Ms.Shraddha G. Akhare	MICROWAVE PREPARATIONS & CHARACTERIZATION & MICROBIAL ACTIVITY OF DIAZA-BENZO-ANTHRACENE
14.	85292	Ms.Shraddha D.	Synthesis and Characterization of Glucose

		Hatgaonkar	containing- 2,4-dithiocarbamide
15.	85294	Ms.Shubhangi G. Dhole	Characterization and Nano Synthesis Of Lactosyl Octa Benzoate
16.	85295	Ms.Supriya S. Sahu	Synthesis and Characterization of sugar containing- 2,4-dithiocarbamide
17.	85296	Ms.Vaishnavi A. Jadhav	Nanoparticle Synthesis of Hepta-O-Benzoyl-B-D-Lactosyl isothiocyanate and their characterization
18.	85299	Ms. Vishal B. Lodam	Nanoparticle Synthesis of Hepta-O-Benzoyl-a-D-maltosyl bromide and their characterization
19.	85297	Ms.Yamini R. Patke	A Biologically Nano Synthesis of Hepta-O-Benzoyl-B-D-Lactosyl Bromide and their Characterization
20.	85298	Mr.VaibhavPalve	.Novel Biological Synthesis of Nanopartical of Maltose Octa Benzote and Their Charactrization





Dr. P. T. Agrawal
Head of Chemistry Department



Dr. V. D. Nanoty
Principal
Shri R. L. T. College of
Science, Akola

Sr. No.	Name of Students	Title of Project	Project Incharge
1.	ShrutiArunPanchbhai	Review on Derivatives of Thiobarbituric acid.	Dr. V. D. Deotale
2.	Suhani Sanjay Sharma	Method and chemical composition of homemade manure	Dr. Kavita M. Heda
3.	Sonali Subhash Wakode	Review on Derivatives of Barbituric acid	Dr. V. D. Deotale
4.	Priyanka ashokkakar	Review on acid/base catalysed pictet spengler reaction	Dr. Pravin R. Kawle
5.	Trupti Ganesh Bhise	Covid Analysis	Dr. Ashish G.saraf
6.	AnkitaBaliramPotdukhe	Review on Synthesis, Structural study, Properties and Biological activity of 1,2,4- dithiazolidine derivatives	Dr. Pradip P. Deohate
7.	Dnyaneshvari Suresh Bhatkar	Herbal soap making	Dr. P. T. Agrawal
8.	Komal Shankar Langote	Liquid waste management in college campus	Prof. Shankeshzyate
9.	AnkitaPrمودJaiswal	Review on Different Methods of Preparation of Furfuryl Alcohol	Dr. V. D. Deotale
10.	ShrutikaVijayraoKadam	Hazardous chemical and radioactive waste management in college campus	Prof. Shankeshzyate
11.	Ankita Vasant Bhad	Waste recycling system in college campus	Prof. Shankesh Zyate
12.	RenukaVinayakrao Siraskar	Synthesis of anti HIV agent and constituents:a brief theory	Prof. P. R. Kawle
13.	Nikita Madhukar Wankhade	Preparation of face mask from aloe vera gel	Dr. Kavita M. Heda
14.	Archana Shivhari Paraskar	Synthesis and evolution of herbal hair based dye	Dr. Kavita M. Heda
15.	komalbhikamchandsewak	Review on Two Decades of Synthesis, Structural Study and Biological Potential of 1,3,4-Oxadiazole and 1,3,4-Thiadiazole Scaffolds	Dr. Pradip P. Deohate
16.	Pratiksha Haridas Mhatre	Purification OF chemical lab water With Microbial Control	Dr. Punam Agrawal
17.	Ku Komal Vinayak karale	Evaluation of some chemical constituents of selected energy drinks	Dr .Ashish sarap
18.	Komal Suresh Ingle	Review of Pyridine catalyst. Heterocyclic compound	Dr. Pravin R. Kawale
19.	Rushikesh Rajendra Ekhe	Analytical method and procedures used in soil testing laboratory	Dr. Ashish G. Sarap


Dr. P. T. Agrawal
Head of Chemistry Department


Dr. V. D. Nanoty
Principal
Shri R. L. T. College of
Science, Akola

Sant Gadge Baba Amaravati University, Amaravati

Shri R.L.T. College of science, Akola

P.G. Department of Chemistry

M.Sc.-II (Sem-IV) Year: 2021-2022

Research Project List

Sr. No.	Name of students	Name project topic	Guide name
1	Miss Ankita D. Sardar	A Nanoparticle Synthesis of Hepta-o-benzoyl- α -D-Maltosyl bromide & their Characterization	Dr. P.T. Agrawal
2	Miss Ashwini S. Fate	Phytochemical screening of five traditionally used ethnomedicinal plants from akola	Dr. V.D. Deotale
3	Miss Bhagyashri S. Kale	Characterization and Nano synthesis of Lactosyl Octa benzoate	Prof. S.C. Zyate
4	Miss Dewyani G. Shrinath	Single step synthesis of biologically active pyrazolones	Dr. P.R. Kawale
5	Miss Dhanashri S. Ghate	Spectral Interpretation of Glucose containing 2,4-dithiocarbamide	Dr. K.M. Heda
6	Miss Divya G. Chauhan	Phytochemical screening of vegetables leaves	Dr. V.D. Deotale
7	Miss Durga S. Bawaskar	One pot synthesis of oxazolones derivative & their antimicrobial activity	Dr. P.R. Kawale
8	Miss Gayatri P. Dhande	A Nanoparticle Synthesis of Hepta-o-benzoyl- β -D-Maltosyl iso thiocyanate & their Characterization	Dr. P.T. Agrawal
9	Miss Harsha S. Gwalani	Comparative study of Nanoparticle of Hepta-o-benzoyl- α -D-Maltosyl iso thiocyanate with chemical and biological method	Dr. P.T. Agrawal
10	Miss Isha D. Bhagwatkar	One pot synthesis of pyrazolones derivative & their antimicrobial activity	Dr. P.R. Kawale
11	Miss Madhuri P. Shegaonkar	Non-aqueous potentiometric analysis of drug Ibuprofen in bulk & component pharmaceuticals	Dr. P.P Deohate
12	Miss Nikita S. Bawane	Synthesis and study of nanopartcles of some maltosyl derivatives and their microbial studies	Dr. P.T. Agrawal
13	Miss Pratiksha S. Banole	Comparative study of Nanoparticle of Hepta-o-benzoyl- α -D-Laltosyl iso thiocyanate with chemical and biological method	Prof. S.C. Zyate
14	Miss Renuka N. Gondhalekar	Microwave assisted synthesis of 1-tetra-o-acetyl- β -D-glucosyl-3-substituted benzothiozolethiacarbamide	Dr. A.G Sarap
15	Miss Revati S. Dheshmukh	A biologically study of Nanoparticle of Hepta-o-benzoyl- α -D-Laltosyl bromide & their Characterization	Prof. S.C. Zyate
16	Miss Sanjivani S. Chaudhari	Phytochemical screening of five traditionally used ethnomedicinal flowering plants from akola	Dr. V.D. Deotale

[SSR/Criterion-II/ Teaching, Learning & Evaluation/ QIM-2.3.1]

17	Miss Sneha A. Wahurwagh	Preparation and Characterization of Carbohydrates derivative containing 2,4-dithiocarbamide	Dr. K.M. Heda
18	Miss Sneha R. Gadge	A novel biological synthesis of maltose octa benzoate and their characterization	Dr. A.G.Sarap
19	Miss Swati V. Hage	A Nanoparticle Synthesis of Hepta-o-benzoyl- β -D-Laltosyliso thiocyanate & their Characterization	Prof. S.C. Zyate
20	Miss Vaishali P. Charate	Microwave assisted synthesis of some novel glucosyl thiocarbamide	Dr. A.G.Sarap
21	Miss Vaishanavi G. Honale	synthesis of 1-tetra-o-acetyl- β -D-glucosyl-3-aryl-thiocarbamide	Dr. A.G Sarap
22	Mr Dhiraj P. Agrawal	Analysis of drug Paracetamol in bulk & single component pharmaceutical by non-aqueous potentiometric titration	Dr. P.P Deohate
23	Mr Dipesh K. Sharma	Edible oil extraction and its analysis	Prof. S.C. Zyate



Dr. P. T. Agrawal
Head of Chemistry Department



Dr. V. D. Nanoty
Principal
Shri R. L. T. College
of Science, Akola

Sr. No.	Name	Name of Guide	Topic
1.	ACHAL G. MASNE	Dr. H. S. Malpani	BACTERIOLOGICAL EXAMINATION OF DRINKING WATER DISPENSERS IN PUBLIC PLACES OF AKOLA CITY
2.	AISHWARYA K. SAWANT	Dr. H. S. Malpani	BACTERIOLOGICAL ANALYSIS OF PANIPURI SOLD IN AKOLA CITY
3.	AISHWARYA M. KAPOOR	DR. V. D. Nanoty	COMPOSTING OF FLORAL WASTE
4.	ANIRUDHA S. THAKARE	Ms. S. N. Gawande	BACTERIOLOGICAL PROFILING OF STREET VENDORS FRUITS SOLD IN AKOLA CITY
5.	ANJALI V. PAWAR	Ms. S. N. Gawande	FERMENTATION PROCESS FOR MANUFACTURING WINE FROM <i>EMBLICA OFFICINALIS</i> FRUITS
6.	DIPALI J. TAYDE	Ms. S. N. Gawande	COMPARATIVE STUDY OF ANTISEPTICS AGAINST SKIN INFECTING BACTERIA
7.	KIRTI D. BHALA	Ms. S. N. Gawande	PREPARATION OF ALOE VERA SOAP AND ITS ANTIMICROBIAL ACTIVITY AGAINST SKIN PATHOGENS
8.	MADHURA A. KHARATE	DR. V. D. Nanoty	BACTERIOLOGICAL ANALYSIS OF HOTEL MENU CARDS OF AKOLA STUDY
9.	MRUNALINI S. ALLAP	Ms. S. N. Gawande	ANTIBACTERIAL ACTIVITY OF HERBAL PLANT EXTRACT AGAINST HAEMOLYTIC BACTERIA ISOLATED FROM ORAL BIOFILM
10.	NEHA D. KHANDARE	Ms. S. N. Gawande	
11.	NEHA K. BHATIA	Ms. S. N. Gawande	ANTIBACTERIAL ACTIVITY OF CURRY LEAVES OIL AND CINNAMON BARK OIL AGAINST ENTERIC BACTERIA
12.	PALLAVI A. KAMBLE	Dr. H. S. Malpani	DETECTION OF BACTERIA ON SURFACE OF KEYPADS OF ATM'S LOCATED IN AKOLA CITY
13.	PALLAVI S. MANSUTE	Dr. H. S. Malpani	STUDIES ON ANTIBACTERIAL ACTIVITY OF THE HOUSEHOLD SPICES AGAINST FEW PATHOGENIC BACTERIA
14.	PAVAN D. DARMODE	Ms. S. N. Gawande	ANTIMICROBIAL ACTIVITY OF HONEY AND GINGER EXTRACT AGAINST PATHOGENIC BACTERIA ISOLATED FROM WOUND INFECTION
15.	PRANALI A. CHOPADE	Ms. S. N. Gawande	ANTIBACTERIAL ACTIVITY OF HERBAL PLANT EXTRACT AGAINST HAEMOLYTIC BACTERIA ISOLATED FROM DECAYING TOOTH
16.	PRERANA P. DESHMUKH	Dr. V. D. Nanoty	EFFECT OF EATING HABBITS ON THE HEALTH OF RESIDENT OF BARSHITAKLI TEHSIL OF AKOLA
17.	PRIYANKA N. CHAUHAN	Dr. H. S. Malpani	STUDY OF BACTERIAL LOAD ON INDIAN PAPER CURRENCY CIRCULATING IN AKOLA CITY
18.	RADHIKA P. SHEGOKAR	Dr. H. S. Malpani	BACTERIOLOGICAL ANALYSIS OF ICE CREAM SAMPLES SOLD IN AKOLA CITY
19.	RUPALI S. SOLANKE	Dr. H. S. Malpani	BACTERIOLOGICAL ANALYSIS OF COLD DRINKS SOLD IN AKOLA CITY.
20.	RUTUJA S. PAGRUT	Dr. H. S. Malpani	BACTERIOLOGICAL ANALYSIS OF STREET VENDED JUICES OF AKOLA CITY
21.	SEJAL K. JAISWAL	Dr. V. D. Nanoty	EFFECT OF VERMICOMPOST ON THE GROWTH AND SOIL FERTILITY

22.	SHREYA A. INGOLE	Dr. H. S. Malpani	STUDIES ON ANTIBACTERIAL ACTIVITY OF SOME TRADITIONAL SPICES
23.	SHRUTI J. RATHI	Dr. V. D. Nanoty	BACTERIOLOGICAL AND BIOCHEMICAL ANALYSIS OF RAW AND PASTEURIZED MILK SAMPLES COLLECTED FROM AKOLA CITY
24.	SHWETA D. BONDE	Dr. H. S. Malpani	BACTERIOLOGICAL ANALYSIS OF CANNED DRINKING WATER SOLD IN AKOLA CITY
25.	SONALI S. JANJAL	Dr. V. D. Nanoty	MICROBIAL DIVERSITY OF MUNICIPAL SOLID WASTE OF AKOLA AND ITS ANTIBIOGRAM STUDY
26.	TULSI D. JOSHI	Dr. V. D. Nanoty	TO STUDY THE BACTERIAL LOAD ON MOBILE PHONES OF AN INDIVIDUAL
27.	VAISHNAVI A. LABHADE	Dr. V. D. Nanoty	BACTERIOLOGICAL ANALYSIS OF URINE SAMPLES OBTAINED FROM VARIOUS PATHOLOGY LABS IN AKOLA CITY
28.	VAISHNAVI S. INGLE	Ms. S. N. Gawande	BACTERIOLOGICAL ANALYSIS OF STREET VENDED SUGARCANE JUICE FROM AKOLA CITY



Dr. H. S. Malpani

Asstt. Professor & Head

Dept. of Microbiology

Shri R.L.T. College of Science, Akola

Non-Aqueous Potentiometric Analysis of Drug Ibuprofen in Bulk and Single Component Pharmaceuticals



Project Report

Submitted to the
Sant Gadge Baba Amravati University, Amravati
in partial fulfillment of the requirement
for the degree of
Master of Science in Chemistry

M.Sc.-II (Semester-IV) (Practical-VIII) Examination, Summer-2022

by

Ms. Madhuri P. Shegaonkar

P. G. Department of Chemistry
Shri R. L. T. College of Science, Akola

Supervisor

Dr. Pradip P. Deohate

Associate Professor
Department of Chemistry
Shri R. L. T. College of Science, Akola

Shri R. L. T. College of Science, Akola, Maharashtra
(2021-22)

Dr. Pradip P. Deohate

M.Sc., Ph.D., B.Ed.

Associate Professor

Department of Chemistry

Shri R. L. T. College of Science, Akola

NAAC, Reaccredited A Grade with C.A. 17/3/12



Phone: (0224) 2435485 Fax: (0224) 2432655 Post Box No. 371 E-mail: pradip.2227419@pki.ac.in

Certificate

This is to certify that, **Ms. Madhuri P. Shegaonkar, M.Sc.-II (Chemistry)** has carried out the project work on the topic entitled, "**Non-aqueous potentiometric analysis of drug ibuprofen in bulk and single component pharmaceuticals**" under my supervision in P. G. Department of Chemistry, Shri R. L. T. College of Science, Akola, during the academic year 2021-22.

She has completed her project work. The work presented in this project report is the own work of the candidate.

Dr. Pradip P. Deohate

Project Supervisor

P. G. Department of Chemistry

Shri R. L. T. College of Science, Akola

Akola, 20.05.2022

**"Synthesis and Study of Nanoparticles of Some Maltosyl
Derivatives and Their Microbial Studies"**

Project Report

Submitted to the

Sant Gadge Baba Amravati University, Amravati

in partial fulfillment of the requirement for the degree of

Master of Science in Chemistry

M.Sc.-II (Semester-IV) (Practical-VIII) Examination, Summer-2022

Submitted By

Nikita Somnath Bawane

Department of Chemistry

Shri. R.L.T. College of Science, Akola.

Guided by

Dr. P. T. Agrawal

Head of Department

Department of Chemistry,

Shri. R.L.T. College of Science, Akola.

DEPARTMENT OF CHEMISTRY
SHRI. R.L.T. COLLEGE OF SCIENCE, AKOLA
(NAAC Reaccredited - B Grade, C.P.A. 3.12)

“Synthesis and Study of Nanoparticles of Some Maltosyl Derivatives and Their Microbial Studies”

Project Report

Submitted to the

Sant Gadge Baba Amravati University, Amravati

in partial fulfillment of the requirement

for the degree of

Master of Science in Chemistry

M.Sc.-II (Semester-IV) (Practical-VIII) Examination, Summer-2022

Roll No.-.....

Submitted By

Nikita Somnath Bawane

Department of Chemistry

Shri. R.L.T. College of Science, Akola

Guided by

Dr. P. T. Agrawal

M.Sc., Ph.D.,

Head of Department

Department of Chemistry, Shri R.L.T. College of Science, Akola



P.G. Department of Chemistry

Shri R.L.T. College of Science, Akola (Maharashtra)

(NAAC Reaccredited with grade “A” C.G.P.A. 3.12)

Shri R. L. T. College of Science, Akola

2021-2022

**ONE POT SYNTHESIS OF PYRAZOLONE DERIVATIVES AND
THEIR ANTIMICROBIAL ACTIVITY**

PROJECT REPORT

Submitted to

**SANT GADGE BABA AMRAVATI UNIVERSITY
AMRAVATI**

For

**The partial fulfilment of the requirements for the
DEGREE OF MASTER OF SCIENCE**

In

CHEMISTRY

At

**M.Sc. Part II Semester IV
Practical - VIII Examination 2022**

By

Ms. Isha Dipak Bhagwatkar

Guided By

Dr. Pravin R. Kawle



**P.G. DEPARTMENT OF CHEMISTRY
SHRI R.L.T COLLEGE OF SCIENCE ,AKOLA
2021-2022**



Dr. Pravin R. Kawle

Department of Chemistry

Shri R.L.T. College of Science, Akola

Email : pravink280685@rediffmail.com

Certificate

This is to certify that the *Ms. Isha Dipak Bhagwatkar*, student of M.Sc Part II (Organic Chemistry) has carried out project work on the topic entitled “ **One pot synthesis of pyrazolone derivatives and their antimicrobial activity**” under my guidance at P.G Department of chemistry Shri R.L.T. College of Science, Akola, during academic year 2021-2022.

The above project work is the own work of the candidate and has not been submitted elsewhere.

Dr. P.R. Kawle

(Supervisor)

Asst. Professor

Department of Chemistry

Shri. R.L.T. College of Science, Akola

Date: 30/05/22

Place: Akola

**PHYTOCHEMICAL SCREENING OF FIVE TRADITIONALLY
USED ETHNOMEDICINAL FLOWERING PLANTS
FROM AKOLA DISTRICT**

Submitted to

SANT GADGE BABA AMRAVATI UNIVERSITY, AMRAVATI

In partial fulfillment of the Requirement for the Degree

of **MASTER OF SCIENCE**

IN

CHEMISTRY

6

M. Sc. Part II Semester IV

Practical VIII Examination, Summer-2022

Submitted by

Ms. Sanjivani S. Chaudhari

Guided by

Dr. V. D. Deotale

(M. Sc, Ph. D., SET)

Department of chemistry,

P.G. DEPARTMENT OF CHEMISTRY



SHRI R.L.T. COLLEGE OF SCIENCE AKOLA

NAAC Re-accredited Grade 'A' CGPA-3.12

2021-2022

**PHYTOCHEMICAL SCREENING OF FIVE TRADITIONALLY USED
ETHNOMEDICINAL FLOWERING PLANTS FROM AKOLA DISTRICT**

Submitted to

SANT GADGE BABA AMRAVATI UNIVERSITY, AMRAVATI

In partial fulfillment of the Requirement for the Degree

of **MASTER OF SCIENCE**

IN

CHEMISTRY

of

M. Sc. Part II Semester IV

Practical VIII Examination, Summer-2022

Submitted by

Ms. Sanjivani S. Chaudhari

Guided by

Dr. V. D. Deotale

(M. Sc, Ph. D., SET)

Department of chemistry,

P.G. DEPARTMENT OF CHEMISTRY



SHRI R.L.T. COLLEGE OF SCIENCE AKOLA

NAAC Re-accredited Grade 'A' CGPA-3.12

2021-2022

Dr. Vinod D. Deotale
M. Sc, Ph. D., SET
Assistant Professor
Department of Chemistry
Shri R. L. T College of Science,
Akola | mail:
vddotale@gmail.com



CERTIFICATE

This is to certify that **Ms. Sanjivani S. Chaudhari** student of M. Sc. Part II (Organic Chemistry) has carried out project work on the topic entitled "**Phytochemical screening of five traditionally used ethomedicinal plants from Akola district (MS) India**" Under my guidance at P.G Department of Chemistry, Shri R. L. T College of Science, Akola, during academic year 2021-2022.

The above project work is the own work of the candidates and has not been submitted elsewhere.

Date: 30.05.2022

Place: Akola

Dr. Vinod D. Deotale
(Supervisor)
Asst. Professor
Department of Chemistry
Shri R. L. T. College of Science, Akola

Forwarded:

Dr. Poonam T. Agrawal
Head,
Department of Chemistry
Shri R. L. T. College of Science, Akola
Head

Department of Chemistry
R. L. T. Science College Akola

[SSR/Criterion-II/ Teaching, Learning & Evaluation/ QIM-2.3.1]

“Preparation and Characterization of carbohydrates derivative containing 2,4 dithiocarbamide”

PROJECT REPORT

Submitted to

SANT GADGE BABA AMRAVATI UNIVERSITY, AMRAVATI

For

The Partial Fulfillment of the Requirements

of the degree of Master of Science

In

CHEMISTRY

Of

M.Sc. Part II Semester IV

Practical VIII Examination Summer 2022

By

Miss. Sneha A. Wahurwagh

Guided by

**Dr. Kavita M. Heda
(M.Sc. B.Ed. Ph.D.)**

**Department of Chemistry,
Shri R.L.T College of Science, Akola**



**P. G. DEPARTMENT OF CHEMISTRY
SHRI R.L.T COLLEGE OF SCIENCE, AKOLA**

2021-2022

CERTIFICATE

This is to certify that, **Miss Sneha A. Wahurwagh**, student of M.Sc Part-II (Organic Chemistry) has carried out project work on the topic entitled "Preparation and Characterization of carbohydrates derivative containing 2,4 dithiocarbamide" under my guidance at P.G Department of Chemistry, Shri R.L.T College of Science, Akola during academic year 2021-2022.

She has completed her project work. The work presented in this project report is the own work of the candidate.

Date 30-05-2022

Place: Akola



Dr. Kavita M. Heda

P.G Department of Chemistry

Shri R.L.T College of Science, Akola

**A Novel Nano Synthesis of Some Glucosyl
Thiobiurets and their microbial Study**

Project Report

Submitted to the

Sant Gadge Baba Amravati University, Amravati

The partial fulfillment of the requirement for the degree of

Master of Science in Chemistry

M.Sc.- Part II Semester-IV

Practical-VIII Examination, Summer-2022

Roll No.-.....

By

Ms. Sneha R. Gadge

P.G Department of Chemistry

Shri R.L.T. College Science

Guided by

Dr. Ashish G. Sarap

(MSc, PhD) Asst. Professor

Department of Chemistry,

Shri R.L.T. College of Science, Akola



P.G. Department of Chemistry

Shri R.L.T. College of Science, Akola (Maharashtra)

2021-22

CERTIFICATE

This is to certify that, Ms. Sneha R. Gadge M.Sc. (Chemistry) has carried out the project work on the topic entitled

**“A Novel Nano Synthesis Of Some Glucosyl Thio Biurets
And Their Microbial Study”**

under my guidance of P.G. Department of Chemistry, Shri R.L.T. College of Science, Akola during the academic year 2021-22 he has completed her project work. The work presented in this project report is the own work of the candidate.

Date:

Place: Akola



Dr. Ashish G. Sarap

(Supervisor)

P.G. Department of Chemistry
Shri R.L.T. College of Science, Akola

[SSR/Criterion-II/ Teaching, Learning & Evaluation/ QIM-2.3.1]

Synthesis of nanoparticle of 1-Tetra-O-acetyl- β -D-glucosyl-3-aryl-thiacarbamide

Project Report

Submitted to

Sant Gadge Baba Amravati University, Amravati

The partial fulfillment of the requirement
for the degree of Master of Science in

Chemistry

M.Sc.-II (Semester-IV) (Practical-VIII) Examination, Summer-2022

Roll No.-.....

By

Ms. Vaishnavi Honale

P. G. Department of Chemistry
Shri R.L.T. College of Science, Akola

Guided by

Dr. Ashish G. Sarap

M.Sc., Ph.D asst. Professor
Department of Chemistry



P.G Department of chemistry

Shri R.L.T. College of science, Akola

Shri R. L. T. College of Science, Akola

CERTIFICATE

This is to certify that, **Ms. Vaishnavi Honale**, M.Sc. – II (Chemistry) has carried out the project work on the topic entitled **“Synthesis of nanopartical of-Tetra-O-acetyl- β -D-glucosyl-3-aryl-thiacarbamide”** under my guidance Of P.G. Department of Chemistry, Shri R.L.T. College of Science, Akola during the academic year 2021-22.

She has completed her project work. The work presented in this project report is the own work of the candidate.

Date: 31/05/2022

Place: Akola

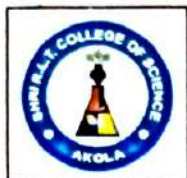


Dr. Ashish. G. Sarap

M.sc., Ph.D

P.G. Department of Chemistry,
Shri. R.L.T. College of Science, Akola.

Analysis of Drug Paracetamol in Bulk and Single Component Pharmaceuticals by Non-Aqueous Potentiometric Titration



Project Report

Submitted to the
Sant Gadge Baba Amravati University, Amravati
in partial fulfillment of the requirement
for the degree of
Master of Science in Chemistry

M.Sc.-II (Semester-IV) (Practical-VIII) Examination, Summer-2022

by

Mr. Dhiraj P. Agrawal

P. G. Department of Chemistry
Shri R. L. T. College of Science, Akola

Supervisor

Dr. Pradip P. Deohate

Associate Professor[^]
Department of Chemistry
Shri R. L. T. College of Science, Akola

**Shri R. L. T. College of Science, Akola, Maharashtra
(2021-22)**

Shri R. L. T. College of Science, Akola

Dr. Pradip P. Deohate

M.Sc., Ph.D., B.Ed.

Associate Professor

Department of Chemistry

Shri R.L.T. College of Science, Akola



NAAC Reaccredited 'A' Grade with CGPA 3.12

Phone (0724) 2435480, Fax (0724) 2432650, Post Box No. 60, E-mail pradip222091@yahoo.co.in

Certificate

This is to certify that, **Mr. Dhiraj P. Agrawal**, M.Sc.-II (Chemistry) has carried out the project work on the topic entitled, "**Analysis of drug paracetamol in bulk and single component pharmaceuticals by non-aqueous potentiometric titration**" under my supervision in P. G. Department of Chemistry, Shri R. L. T. College of Science, Akola, during the academic year 2021-22.

He has completed his project work. The work presented in this project report is the own work of the candidate.

Dr. Pradip P. Deohate

Project Supervisor

P. G. Department of Chemistry

Shri R. L. T. College of Science, Akola

Akola, 20.05.2022

[SSR/Criterion-II/ Teaching, Learning & Evaluation/ QIM-2.3.1]

**ONE POT SYNTHESIS OF OXAZOLONES DERIVATIVES AND THEIR
ANTIMICROBIAL ACTIVITY**

PROJECT REPORT

Submitted to

SANT GADGE BABA AMRAVATI UNIVERSITY

AMRAVATI

For

The partial fulfilment of the requirements for the

DEGREE OF MASTER OF SCIENCE

In

CHEMISTRY

At

M.Sc. Part II Semester IV

Practical - VIII Examination 2022

By

Ms. Durga Shivaji Bawaskar

Guided By

Dr. Pravin R. Kawle



P.G. DEPARTMENT OF CHEMISTRY

SHRI R.L.T COLLEGE OF SCIENCE ,AKOLA

2021-2022

Shri R. L. T. College of Science, Akola



Dr. Pravin R. Kawle

Department of Chemistry

Shri R.L.T. College of Science, Akola

Email : pravink280685@rediffmail.com

Certificate

This is to certify that the **Ms. Durga Shivaji Bawaskar**, student of M.Sc Part II (Organic Chemistry) has carried out project work on the topic entitled “**One Pot Synthesis of Oxazolones Derivatives and their Antimicrobial Activity**” under my guidance at P.G Department of chemistry Shri R.L.T. College of Science, Akola, during academic year 2021-2022.

The above project work is the own work of the candidate and has not been submitted elsewhere.

Date: 31-05-2022

Place: Akola

Dr. P.R. Kawle

(Supervisor)

Asst. Professor

Department of Chemistry

Shri. R.L.T. College of Science, Akola

PROJECT REPORT

SANT GADGE BABA AMRAVATI UNIVERSITY, AMRAVATI

For

The Partial Fulfillment of the Requirements
of the degree of Master of Science

In

CHEMISTRY

of

M.Sc. Part II Semester IV

Practical VIII Examination Summer 2022

By

Miss. Dhanashri S. Gate

Guided by

Dr. Kavita M. Heda
(M.Sc., B.Ed Ph.D)

Department of Chemistry,
Shri R.L.T College of Science, Akola



P. G. DEPARTMENT OF CHEMISTRY
SHRI R.L.T COLLEGE OF SCIENCE, AKOLA

2021-2022

[SSR/Criterion-II/ Teaching, Learning & Evaluation/ QIM-2.3.1]
CERTIFICATE

This is to certify that, **Miss. Dhanashri S. Ghate**, students of M.Sc Part-II (Organic Chemistry) has carried out project work on the topic entitled "Spectral Interpretation of glucose containing 2.4 dithiocarbamide" under my guidance at P.G Department of Chemistry, Shri R.L.T College of Science, Akola during academic year 2021-2022.

She has completed her project work. The work presented in this project report is the own work of the candidate.

Date 30/05/2022

Place: Akola



Dr.Kavita M. Heda

P.G Department Of Chemistry

Shri R.L.T College Of Science, Akola

COMPARATIVE STUDY OF NANOPARTICLES OF HEPTA-O-BENZOYL- α -D-MALTOSE ISOTHIOCYANIDE WITH CHEMICAL AND BIOLOGICAL METHOD

PROJECT REPORT

Submitted to the

SANT GADGE BABA AMRAVATI UNIVERSITY, AMRAVATI

In partial fulfilment of the requirement

for the degree of

Master of Science in Chemistry

M.Sc.-II (Semester-IV) (Practical-VIII) Examination, Summer-2022

by

Ms. Harsha S. Gwalani

P. G. Department of Chemistry

Shri R.L.T. College of Science, Akola

Supervisor

Dr. Poonam T. Agrawal

M.Sc. P h. D.

Head of Department

Department of Chemistry, Shri R.L.T. College of Science, Akola



P. G. Department of Chemistry

Shri R.L.T. College of Science, Akola (Maharashtra)

2021-22

Shri R. L. T. College of Science, Akola

CERTIFICATE

This is to certify that, **Ms. Harsha S. Gwalani** , M.Sc. – II (Chemistry) has carried out the project work on the topic entitled “ **Comparative Study of Nanoparticles of Hepta-O-Benzoyl- α -D-Maltosyl isothiocyanide with Chemical And Biological Method** ” under my guidance Of P.G. Department of Chemistry, Shri R.L.T. College of Science, Akola during the academic year 2021-22.

She has completed her project work. The work presented in this project report is the own work of the candidate.

Date: 30/05/2022

Place: Akola



Dr . Poonam T. Agrawal

(Supervisor)

P.G. Department of Chemistry

Shri R.L.T. College of Science, Akola

A NANOPARTICLE SYNTHESIS OF HEPTA-O-BENZOYL- α -D-MALTOsyl BROMIDE AND THEIR CHARACTERIZATION

Project Report

Submitted to the
Sant Gadge Baba Amravati University, Amravati
in partial fulfillment of the requirement
for the degree of
Master of Science in Chemistry

M.Sc.-II (Semester-IV) (Practical-VIII) Examination, Summer-2022

Roll No.-.....

by

Miss Ankita Devidas Sardar

P. G. Department of Chemistry
Shri R.L.T. College of Science, Akola

Supervisor

Dr. P. T. Agrawal

M.Sc., Ph.D.,
Head of Department
Department of Chemistry, Shri R.L.T. College of Science, Akola




P.G. Department of Chemistry
Shri R.L.T. College of Science, Akola (Maharashtra)
2021-2022

CERTIFICATE

This is to certify that, **Miss Ankita Devidas Sardar**, M.Sc. – II (Chemistry) has carried out the project work on the topic entitled “A Nanopartical Synthesis of Hepta-O-Benzoyl- α -D-maltosyl Bromide and Their Characterization” under my guidance Of P.G. Department of Chemistry, Shri R.L.T. College of Science, Akola during the academic year 2021-2022.

She has completed her project work. The work presented in this project report is the own work of the candidate.

Date: 30/05/2022
Place: Akola


Dr. P. T. Agrawal
Head of Department of
chemistry,
P.G. Department of Chemistry
Shri. R. L. T. College of science, Akola

**SINGLE STEP SYNTHESIS OF BIOLOGICALLY ACTIVE
PYRAZOLONES**

PROJECT REPORT

Submitted to

SANT GADGE BABA AMRAVATI UNIVERSITY

AMRAVATI

For

The partial fulfilment of the requirements for the

DEGREE OF MASTER OF SCIENCE

In

CHEMISTRY

At

M.Sc. Part II Semester IV

Practical - VIII Examination 2022

By

Ms. Dewyani Ganesh Shrinath

Guided By

Dr. Pravin R. Kawle



P.G. DEPARTMENT OF CHEMISTRY

SHRI R.L.T COLLEGE OF SCIENCE ,AKOLA

2021-2022



Dr. Pravin R. Kawle

Department of Chemistry

Shri R.L.T. College of Science, Akola

Email : pravink280685@rediffmail.com

Certificate

This is to certify that the *Ms. Dewyani Ganesh Shrinath*, student of M.Sc Part II (Organic Chemistry) has carried out project work on the topic entitled '**Single step synthesis of biologically active pyrazolones**' under my guidance at P.G Department of chemistry Shri R.L.T. College of Science, Akola, during academic year 2021-2022.

The above project work is the own work of the candidate and has not been submitted elsewhere.

Dr. P.R. Kawle

(Supervisor)

Asst. Professor

Department of Chemistry

Shri. R.L.T. College of Science, Akola

Date: 30/05/22

Place: Akola

[SSR/Criterion-II/ Teaching, Learning & Evaluation/ QIM-2.3.1]
**A NANOPARTICLES SYNTHESIS OF HEPTA-O-BENZOYL β -D-MALTOSE
ISOTHIOCYANIDE AND THEIR CHARACTERIZATION**

PROJECT REPORT

Submitted to the

SANT GADGE BABA AMRAVATI UNIVERSITY, AMRAVATI

in partial fulfillment of the requirement

for the degree of

Master of Science in Chemistry

M.Sc. -II (Semester-IV) (Practical-VIII) Examination, Summer-2022

by

Ms. Gayatri dhande

P. G. Department of Chemistry

Shri R.L.T. College of Science, Akola

Supervisor

Dr. Poonam T. Agrawal

M.Sc., Ph.D.,

Head of department

Department of Chemistry, Shri R.L.T. College of Science, Akola



P.G. Department of Chemistry

Shri R.L.T. College of Science, Akola (Maharashtra)

2021-22

CERTIFICATE

This is to certify that, **Ms. Gayatri dhande** , M.Sc. – II (Chemistry) has carried out the project work on the topic entitled “**A Nanoparticle Synthesis of Hepta O Benzoyl β D maltosyl Isothiocyanate and Their Characterization**” under my guidance Of P.G. Department of Chemistry, Shri R.L.T. College of Science, Akola during the academic year 2021-22

She has completed her project work. The work presented in this project report is the own work of the candidate.

Date: 30-05-22

Place: Akola



Dr. Poonam Agrawal

P.G Department of chemistry

Shri.R.l.t. college of science, Akola

[SSR/Criterion-II/ Teaching, Learning & Evaluation/ QIM-2.3.1]

**MICROWAVE ASSISTED SYNTHESIS OF 1-TETRA-O-
ACETYL- β -D-GLUCOSYL-3-SUBSTITUTED BENZOTHAZOLE
THIOCARBAMIDES**

PROJECT REPORT

Submitted to

SANT GADGE BABA AMRAVATI UNIVERSITY, AMRAVATI

for

The Partial Fulfillment of the Requirement
of the degree Master of Science

in

CHEMISTRY

of

M.Sc. Part II Semester-IV

Practical-VIII Examination, Summer-2022

By

Miss. Renuka Nandu Gondhalekar

Guided by

Dr. Ashish G. Sarap

(M.sc.,Ph.D)

Department of Chemistry

Shri R.L.T. College of Science, Akola



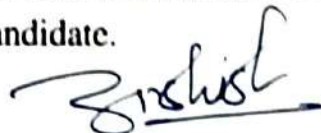
**P.G. DEPARTMENT OF CHEMISTRY
SHRI R.L.T. COLLEGE OF SCIENCE, AKOLA
2021-22**

CERTIFICATE

This is to certify that Ku. Renuka Nandu Gondhalekar has carried out her research work on the topic entitled

**"1-TETRA-O-ACETYL- β -D-GLUCOSYL-3-SUBSTITUTED
BENZOTHIAZOLE THIOCARBAMIDES"**

during the season 2021-2022 under my supervision in the department of Chemistry, Shri R.L.T. College of Science, Akola. The work presented in her thesis is carried out by candidate.



Dr. Ashish G. Sarap

M.sc., Ph.D

P.G. Department of Chemistry
Shri R.L.T. College of Science, Akola

Date: 31/05/2022

Place: Akola.

Forwarded:



Dr. Poonam T. Agrawal

Head,

Department of Chemistry

Shri R.L.T. College of Science, Akola.

Head

Department of Chemistry
R. L. T. Science College Akola



**MICROWAVE ASSISTED SYNTHESIS OF SOME NOVEL GLUCOSYL
THIOCARBAMIDE NANOPARTICLES**

PROJECT REPORT

Submitted to

SANT GADGE BABA AMRAVATI UNIVERSITY, AMRAVATI

For

**The Partial Fulfillment of The Requirement Of The
DEGREE OF MASTER OF SCIENCE**

in

CHEMISTRY

of

**M.Sc. Part II Semester IV
Practical VIII Examination 2022**

By

Miss. VAISHALI P. CHARATE

Guided by

Dr. ASHISH. G. SARAP

**(M.Sc., Phd) Assist. Professor
Department of Chemistry,
Shri. RLT College of Science, Akola**



**P. G. DEPARTMENT OF CHEMISTRY
SHRI. RLT COLLEGE OF SCIENCE, AKOLA
2021 – 2022**


CERTIFICATE

This is to certify that, Ms. VAISHALI PANJABRAO CHARATE, M.Sc. - II (Chemistry) has carried out the project work on the topic entitled "Microwave Assisted Synthesis of Some Novel GlucosylThiocarbamides Nanoparticles" under my guidance Of P.G. Department of Chemistry, Shri R.L.T. College of Science, Akola during the academic year 2021-22.

She has completed her project work. The work presented in this project report is the own work of the candidate.

Date : 31/05/2022

Place : Akola



Dr. Ashish G. Sarap

Department of Chemistry

Shri R.L.T. College of Science, Akola

EDIBLE OIL EXTRACTION AND ITS ANALYSIS

Project Report

Submitted to the

Sant Gadge Baba Amravati University, Amravati

in partial fulfillment of the requirement

for the degree of

Master of Science in Chemistry

M.Sc.-II (Semester-IV) (Practical-VIII) Examination, Summer-2022

by

Mr. Dipesh K. Sharma

P. G. Department of Chemistry

Shri R.L.T. College of Science, Akola

Supervisor

Dr. Poonam T. Agrawal

M.Sc., Ph.D.,

Head of department

Department of Chemistry, Shri R.L.T. College of Science, Akola



P.G. Department of Chemistry

Shri R.L.T. College of Science, Akola (Maharashtra)

2021-22

CERTIFICATE

This is to certify that, **Mr. Dipesh Sharma** , M.Sc. – II (Chemistry) has carried out the project work on the topic entitled “Edible oil extraction and its analysis” under my guidance Of P.G. Department of Chemistry, Shri R.L.T. College of Science, Akola during the academic year 2021-22

He has completed his project work. The work presented in this project report is the own work of the candidate.

Date:

Place: Akola


Dr. Poonam Agrawal

P.G

Department of chemistry

Shri R.LT college of science, Akola

PHYTOCHEMICAL ANALYSIS OF VEGETABLES LEAVES

Submitted by

SANT GADGE BABA AMRAVATI UNIVERSITY , AMRAVATI

In Partial Fulfillment of the Requirement for the Degree of

MASTER OF SCIENCE

IN

CHEMISTRY

Submitted By

Ms Divya Gajendrasingh Chauhan

GUIDED BY

Prof. V. D. Deotale

(M. Sc. Chemistry)

Department of chemistry,

Shri RLT College of Science, Akola



P. G. DEPARTMENT OF CHEMISTRY

SHRI. RLT COLLEGE OF SCIENCE, AKOLA

NAAC Re-accredited Grade 'A' CGPA-3.12

2021-2022

Mr. Vinod D. Deotale

Asst. Professor

Department of Chemistry

Shri R.L.T. College of Science, Akola

Email: vddeotale@gmail.com



CERTIFICATE

This is to certify that the **Ms. Divya .G. Chauhan** student of M. Sc. Part II (Organic Chemistry) has carried out project work on the topic entitled "**PHYTOCHEMICAL ANALYSIS OF VEGETABLES LEAVES**" under my guidance at P. G. Department of Chemistry Shri R. L. T. College of Science, Akola, during academic year 2021-2022.

The above project work is the own work of the candidates and has not been submitted elsewhere.


Dr. **Mr. Vinod .D. Deotale**

(Supervisor)

Asst. Professor

Department of Chemistry

Shri R. L. T. College of Science, Akola.

Date: 31/05/2018

Place: Akola

[SSR/Criterion-II/ Teaching, Learning & Evaluation/ QIM-2.3.1]

**PHYTOCHEMICAL SCREENING OF FIVE TRADITIONALLY USED ETHNOMEDICINAL FRUITS PLANTS
FROM AKOLA DISTRICT**

PROJECT REPORT

Submitted to the

SANT GADGE BABA AMARAVATI UNIVERSITY, AMRAVATI

A dissertation submitted in partial fulfillment of the Requirements of the degree of

MASTER OF SCIENCE IN CHEMISTRY

SUBMITTED BY

Miss. Ashwini Sunil Fate

P.G Department Of Chemistry

Shri.R.L.T College of Science, Akola

Under the guidance of

Prof. V.D. Deotale

Msc.SET



P.G DEPARTMENT OF CHEMISTRY

SHRI.R.L.T COLLEGE OF SCIENCE, AKOLA

(MAHARASHTRA) 2021-2022

Certificate

This is certify that, **Miss Ashwini Sunil Fate** student of M.Sc. II year (Sem-IV), Department of Chemistry, Shri.R.L.T College of Science, Akola Sant Gadge Baba Amravati University, Amravati has been successfully completed the project work on “ **Phytochemical Screening of five Traditionally used ethnomedicinal fruits plants from Akola district**”. As a part of her course curriculum activity, during academic session 2021-2022.

Under the Guidance Of **Prof.V.D.Deotale** Assistant Professor, Department of Chemistry

Place : Akola

Date : 31.5.2022


Dr. **Mr. V. D. Deotale**

Asst. Professor

P.G. Department of Chemistry

Shri.R.L.T College of Science, Akola

Forwarded :


(**Dr. Poonam T. Agrawal**)

Head,

Department of Chemistry

Shri.R.L.T College of Science, Akola

Head

Department of Chemistry
R. L. T. Science College Akola



Shri R.L.T. College of Science, Akola
Department of Chemistry

Group Discussion Report


B.Sc.-III (Sem-V)

(2017-18)

During the session 2017-18, as a part of curriculum, group discussion amongst the B.Sc.-III (Sem-V) students was conducted on various topics of chemistry under the guidance of Dr. P. T. Agrawal, Head, Department of Chemistry and in presence and observation of Dr. P. P. Deohate, Prof. S. C. Zyate, Ms. K. P. Borse, Ms. R. S. Mulani, Ms. S. S. Wankhade, Ms. R. C. Dahat, Ms. B. S. Thakur and Mr. S. S. Ingle on 23rd, 26th and 28th September 2017.

Dr. Pradip P. Deohate

Prof. S. C. Zyate


..... 27/10/17


..... 07/10/17



Head,

Department of Chemistry
Shri R.L.T. College of Science, Akola

Head

Department of Chemistry
R. L. T. Science College Akola

Date : 07.10.2017

Shri R.L.T. College of Science, Akola
Department of Chemistry

Group Discussion Report

B.Sc.-III

(2018-19)

During the session 2018-19, as a part of curriculum, group discussions amongst the students of B.Sc.-III (Sem-V) were conducted on various topics of chemistry under the guidance of Dr. P. T. Agrawal, Head, Department of Chemistry and in presence and observation of Dr. P. P. Deohate, Prof. S. C. Zyate, Ms. N. V. Awajare, Ms. R. B. Ingle, Ms. K. N. Gomase and Ms. T. S. Kureshi on 1st, 3rd and 5th October 2018. Total 291 students were participated in this activity.

Dr. Pradip P. Deohate

Prof. Shankesh C. Zyate

Head

Department of Chemistry

Shri R.L.T. College of Science, Akola

Head

Department of Chemistry

R. L. T. Science College Akola

Date : 08.10.2018

Shri R.L.T. College of Science, Akola
Department of Chemistry

Group Discussion Report

B.Sc.-III

(2019-20)

During the session 2019-20, as a part of curriculum, group discussions amongst the students of B.Sc.-III (Sem-V) were conducted on various topics of chemistry under the guidance of Dr. P. T. Agrawal, Head, Department of Chemistry and in presence and observation of Dr. P. P. Deohate, Prof. S. C. Zyate, Mrs. D. S. Somani, Ms. N. V. Awajare and Ms. R. B. Ingle on 27th, 30th September 2019 and 3rd October 2019. Total 35⁵ students were participated in this activity.

Dr. Pradip P. Deohate

Prof. Shankesh C. Zyate


Dr. P. T. Agrawal

Head

Department of Chemistry

Shri R.L.T. College of Science, Akola

Head

Department of Chemistry
R. L. T. Science College Akola

Date : 23.10.2019

Department of Microbiology Activities

(A) Skill Development Program: Microbiome Food festival

Microbiome Food festival organised by the Department of Microbiology, Shri R.L.T. College of Science Akola. Students prepared fermented food and explained the role of Microbes involved in that.

The whole event is conducted under the Guidance of Dr. V.D. Nanoty Principal and Dr. U.K.Bhalekar Head Department of Microbiology. Dr. Anjana Singh from Nepal and Dr. Yeasmine from Bangladesh were Chief Guest of the Event Dr. Lande and Dr. Deshpande worked as Jury members. Dr.Harish Malpani, Ms. S.N.Gawande, and all CHB Staff and students took efforts to make the event successful.



Dr.H.S.Malpani
Assit.Professor & Head
Dept.of Microbiology
Shri R.L.T.College of Science,Akola

(B) Skill Development Program One week Certificate Course on

“Skill Development for Pharmaceutical Industry”

Jointly organized by Microbiology departments of Shri. R.L.T College of Science, Akola and Shankarlal Khandelwal College, Akola and Global Institute for Self-Motivation

Date: 9/05/22-15/05/22

The Indian pharmaceutical industry is the world’s 3rd largest by volume and 14th largest in terms of value. Major Segments of Pharmaceutical Industry are Generic drugs, OTC Medicines and API/Bulk Drugs, Vaccines, Contract Research & Manufacturing, Biosimilars & Biologics. India has the second-highest number of US FDA approved plants outside the US and is a global leader in the supply of DPT, BCG, and Measles vaccines. India accounts for 60% of global vaccine production, contributing 40-70% of the WHO demand for Diphtheria, Tetanus and Pertussis and Bacillus Calmette–Guérin vaccines, and 90% of the WHO demand for the measles vaccine. India is the largest provider of generic drugs globally. Access to affordable HIV treatment from India is one of the greatest success stories in medicine. India is one of the biggest suppliers of low-cost vaccines in the world. Because of the low price and high quality, Indian medicines are preferred worldwide, thereby rightly making the country the “Pharmacy of the World”. Pharma sector currently contributes to around 1.72% of the country’s GDP. Owing to India being a major component of the country’s foreign trade, it brings with attractive avenues and opportunities for the youth.

With this increase in the global pharmaceutical industry opportunities in India, it is important to inform and prepare the rural youth about the job opportunities in the same. The Department of Microbiology of Shri. R.L.T College of Science, Akola and Shankarlal Khandelwal College, Akola and the Global Institute for Self-Motivation undertook this task and jointly organized One week Certificate Course on “Skill Development for Pharmaceutical Industry” for the students in Vidharbha region. This was a novel program initiated by the Berar General Education Society and Shikshan Prasarak Mandal, Akola. The mode of the workshop was both offline and online for the comfort of the participants.

The inauguration ceremony of the workshop was conducted in the Auditorium of Shri. R.L.T College of Science, Akola. Adv. M.G Mohta (President, The B.G.E. Society, Akola) was the inaugurator of the workshop. The dais was graced by Mr. P.N Maheshwari (Hon. Secretary, The B.G.E Society, Akola), Prof. R.D. Chaware (Vice-president, Shikshan Prasarak Mandal, Akola), Shri. A.Y. Kulkarni (Vice-president and Treasurer, Shikshan Prasarak Mandal, Akola), Dr. V.D. Nanoty (Principal, Shri. R.L.T College of Science, Akola), Dr. J.M. Saboo

[SSR/Criterion-II/ Teaching, Learning & Evaluation/ QIM-2.3.1]

(Principal, Shankarlal Khandelwal College, Akola), Dr. R.L. Rahatgaonkar (IQAC co-ordinator, Shri. R.L.T College of Science, Akola), Dr. A.R. Deshpande (Head, Department of Microbiology, Shankarlal Khandelwal College, Akola), and the Resource person of the event Dr. Anil Fokmare (Director, Global Institute for Self-Motivation).

The participants came from various colleges in Vidharbha region including Shri. R.L.T College of Science, Akola, Shankarlal Khandelwal College, Akola, Shri. Shivaji College of Science, Arts, Commerce, Akola, and Shri. D.M. Burungule Science and Arts College, Shegaon. About 143 participants were involved in the workshop.

The inaugural ceremony was followed by the first day of the offline course. In the first session, Dr. Anil Fokmare introduced the students to basics of pharma industry, working and daily protocols of operations followed in the pharma industry. His interactive session also covered the importance of Good Manufacturing Practices (GMP) and the methods to maintain GMP standards in the industry. He made the students aware of the standard operating procedures that enable smooth and accurate functioning in industries. Through his presentation, he showed various areas in a working pharma laboratory and the do's and don'ts in these areas. He explained how simple habits can lead to maintenance of the GMP protocol and save the products and batches from contamination and spoilage.

The workshop also focused on the instruments and equipment quantification in pharma industry with respect to the design, installation, operating, and performance. It also included the certification and training details in pharmaceutical labs. The participants learnt about the role of microbiology laboratory in pharmaceutical research sector along with its key components like sterilization, safety measures, and machines. Good laboratory practices (GLP) are an important part of any laboratory. Similarly, GLP are followed in pharma industries to ensure that the products are accurate. Dr. Anil Fokmare educated the students regarding the various methods of GLP and the importance of following GLP protocols.

In the second session, the workshop was graced by Shri. V. Ranganathan, Ex-chief secretary of Maharashtra state. He is a retired civil servant from the IAS cadre with decades of distinguished service at senior level in state and central government. He currently devotes his time to social organizations and advises a prestigious trust and co ordinates its activities. He encouraged the students to attend such workshops and emphasized on the need to make the students ready to face the corporate world. He also congratulated the associated colleges, staff and students for organizing the workshop.

[SSR/Criterion-II/ Teaching, Learning & Evaluation/ QIM-2.3.1]

Dr. Anil Fokmare concluded the session with feedbacks from the participants. The participants expressed that the 7-hour workshop was interactive and valuable in terms of learning.

The second day of the offline workshop was conducted in the Auditorium of Shri. R.L.T College of Science, Akola. The participants were exposed to various opportunities in pharmaceutical industries and the ways they can apply for specific positions. They also learnt about the career opportunities associated with the pharma sector including clinical data management, analytical and green chemistry, regulatory affairs, consultation, sales representative, and others. Not only this, they were also informed about the certification and experience required for these jobs and the companies that hire freshers for work. The resource person also emphasized that candidates from all fields of life science and chemical science are employed and trained according to their requirements and area of expertise.

The participants were given a general idea about the instruments by visiting the laboratories of the college. This included microbiology, biochemistry, and chemistry labs. The session was progressed by exhibiting the techniques used in a microbiology lab which included basic tests for calibration, enumeration, and sensitivity and advanced tests like PCR and chromatography. During the lab visit, the participants were demonstrated the protocol of dressing and the importance of wearing the required attire which included cap, gown, shoe covers, and hand gloves. The hazards and problems associated with not following these protocols were also discussed. The laminar air flow containing HEPA filters were also shown and the importance of having an aseptic condition in microbiology was discussed. The other instruments were autoclave, hot air oven, incubator, ultrasonicate, pH meter, colorimeter, spectrophotometer, and other glassware.

After the instrumentation session, the participants were exposed to the techniques used in microbial identification. This included various media used in the lab along with other conditions that need to be maintained in order to promote the growth of microbes.

The day was concluded by a mock drill of the SOPs followed in a microbiology lab in pharma and the students actively participated in it.

The third day of the workshop was conducted in the Bhausahab Godbole Sabhagruha of Shankarlal Khandelwal College, Akola. The president of the event was Shri. Gopalji Khandelwal (Secretary, Shikshan Prasarak Mandal, Akola) and the guests of honor were Adv. M.G. Mohta (President, The B.G.E. Society, Akola), Shri. P.N Maheshwari (Hon. Secretary, The B.G.E Society, Akola), Shri. A.Y. Kulkarni (Vice-president and Treasurer, Shikshan

[SSR/Criterion-II/ Teaching, Learning & Evaluation/ QIM-2.3.1]

Prasarak Mandal, Akola), Dr. Anil Fokmare (Director, Global Institute for Self-Motivation), Dr. V.D. Nanoty (Principal, Shri. R.L.T College of Science, Akola), and Dr. J.M. Saboo (Principal, Shankarlal Khandelwal College, Akola).

The first session was started with feedbacks from the participants about the overall workshop of the initial two days. The participants expressed pleasure and gratitude that both the societies and colleges conducted such an informative workshop. Most students accepted that they were worried that a 7-hour workshop every day would be monotonous and involve lots of reading and self-study, but they were happy that the course was informative, well-structured, engaging, and easy to understand. Many participants appreciated Dr. Anil Fokmare for being very enthusiastic and keeping them captivated with his activities. They also shared that the assignments and projects given to them were benefitting and promoted deeper understanding of the subject.

The highlight of this day was a 'Book launching event' of 3 Practical handbooks—i) Applied microbiology and biotechnology, ii) Environmental microbiology and biodiversity, and iii) Immunology and medical microbiology. These books have been authored and edited by the microbiology teachers of Sant Gadge Baba Amravati University, Amravati and published by My Rays Book Publication Center founded by Mr. Rajesh Dhakane and powered by International journal of microbial science.

The workshop was continued after the feedback session and book launch event. This day of the workshop focused on Good Documentation Practices (GDP) in pharma sector. Dr. Fokmare explained that to ensure smooth functioning of any industry, it is important to follow the guidelines mentioned for the documentation of every action. Documentation is an authenticated proof for GMP compliance and is a crucial part of the quality assurance system. Before documenting, the processes are validated, instruments are calibrated, staff is trained to maintain protocols, and SOPs are established. The documentation is examined during routine and annual audits and any problems in the documentation could lead to termination of the batch of products or cancelation of licenses. These were discussed in the workshop.

The workshop ended with a mock interview session to build confidence in the participants. The students were interviewed and were provided constructive feedbacks on their performance. They were also conveyed if they would be selected or not on the basis of the interview. The day was filled with hands on training and interview demonstration and the participants benefitted from it.

[SSR/Criterion-II/ Teaching, Learning & Evaluation/ QIM-2.3.1]

The last 3 days of the workshop was conducted online using the Google Meet platform. The participants were asked to keep the camera on to ensure complete attention. These days emphasized on providing the students with information regarding the process of GDP and GMP compliance and the systems of auditing. Dr. Fokmare focused on the importance of document compliance and errors that occur during the same. He explained how 'root cause analysis' is done after finding the errors. The 'corrective action preventive plan' was also discussed by giving some examples from the industry. The Code of federal regulation (CFR) was explained along with its standards. Data integrity is simply the maintenance, assurance, accuracy and consistency of data and is of utmost importance. It can lead to many repercussions if not dealt with care. It aims to prevent any unwanted and unintended changes to information.

The one-week workshop was successfully conducted by the combined efforts of all participants, resource person, teaching and non-teaching staff of Shri. R.L.T College of Science and Shankarlal Khandelwal College, Akola, and the Berar General Education Society and Shikshan Prasarak Mandal, Akola.

Invitation
Inaugural Function of
One Week Certificate Course on
"Skill Development for Pharmaceutical Industry"
(9th May to 15th May 2022)
Jointly organized by
Department of Microbiology, Shri R.L.T. College of Science, Akola Department of Microbiology, Shankarlal Khandelwal College, Akola
& Global Institute for Self-Motivation

IN THE GRACIOUS PRESENCE OF

Adv. M. G. Mohta President The B. G. E. Society, Akola	Shri P. N. Maheshwari Hon. Secretary The B. G. E. Society, Akola	Prof. R.D. Chaware Vice President Shikshan Prasarak Mandal Akola	Shri A.Y. Kulkarni Vice President & Treasurer Shikshan Prasarak Mandal Akola
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Resource Person
Dr. Anil Fokmare,
Global Institute for self-Motivation

Dr. V.D. Nanoty Principal, Shri R.L.T. College of Science, Akola	Dr. J.M. Saboo Principal Shankarlal Khandelwal College, Akola
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INAUGURAL SESSION: - 9TH MAY 2022 10:00AM
Auditorium, Shri R.L.T. College of Science

-Organizing Committee -

Prof. Dr. A.R. Dehpande, Head, Department of Microbiology, Shankarlal Khandelwal College, Akola	Prof. Dr. D. D. Bhokare, Department of Microbiology, Shankarlal Khandelwal College, Akola	Dr. H.S. Malpani, Head, Department of Microbiology, Shri R.L.T. College of Science, Akola	Ms. S.N. Gawande, Department of Microbiology, Shri R.L.T. College of Science, Akola
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Dr. H.S. Malpani
Asstt Professor & Head
Dept. of Microbiology
Shri R.L.T. College of Science, Akola





Shri R. L. T. College of Science, Akola



Participants, resource person, and staff members at the workshop at Shri. R.L.T College of Science, Akola

[SSR/Criterion-II/ Teaching, Learning & Evaluation/ QIM-2.3.1]

D.M. Burungule College, Shegaon

Sr. No.	Name of Students	Class	Amount	Signature
46	Saba Faido Firdausy Rehman Mansoor	BSc III	550/-	9/5/22
47	Neha A. Khan	BSc III	550/-	
48	Nuzhat Parveen Khan	BSc III	550/-	
49	Munazza Bano	BSc III	550/-	
50	Nisha S. Sonare	BSc III	Paid online	
51	Kirti Sa R. Pathod	BSc III	550/-	
52	Kupali R. Bhalerao	BSc III	Paid online	
53	Saloni S. Trivedi	BSc III	550/-	
54	Anjali R. Gawande	BSc III	Paid online	
55	Shruti P. Chaturkar	BSc III	Paid	
56	Jyeshthwari K. Tambare	BSc III	550/-	
57	RIT (Naga) Kupali S. Solanke	M.Sc. IIIrd	550/-	
58	Mahar R. Gardale	BSc IIIrd	Paid online	
59	Rushikeshin. Dehi	BSc IIIrd	Paid online	
60	Rohit M. Patil	BSc IIIrd	Paid online	

One Week Certificate Course On
Skill Development For Pharmaceutical Industry
9th May To 15th May 2022

Jointly Organized By
Department of Microbiology, Shri. R. L. T. College of Science, Akola
Department of Microbiology, Shankarlal Khandelwal College, Akola
And Global Institute Of Self-Motivation

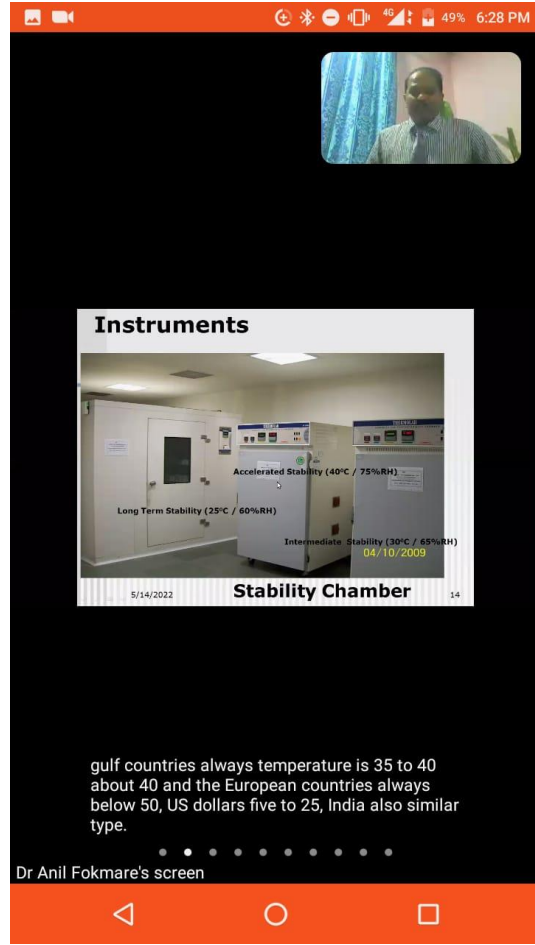
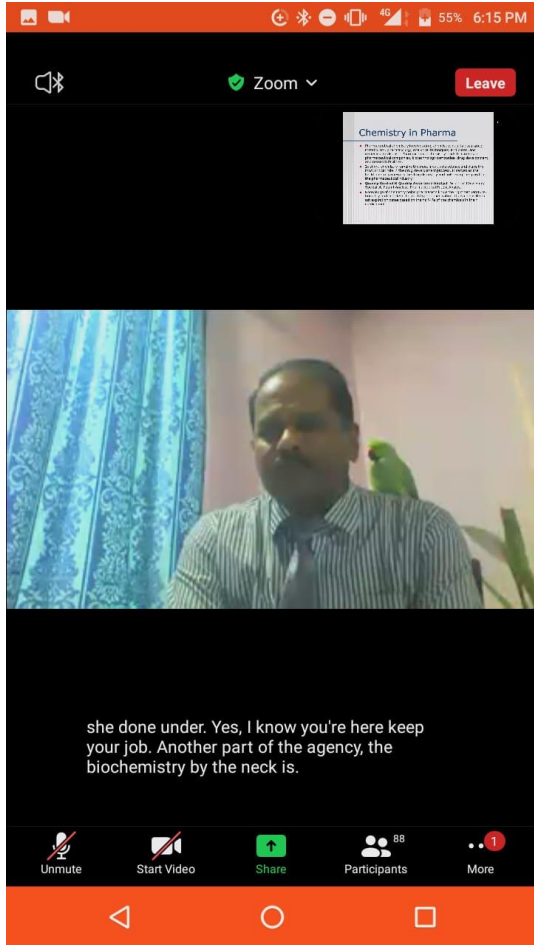
S. N.	NAMED OF STUDENT	YEAR	9/05/2022	10/05/2022	11/05/2022
38	Sunishi A. Chhange	B.Sc. III	Chhange	Chhange	Chhange
39	Sakshi D. Nathale	B.Sc. III	Sakshi	Sakshi	Sakshi
40	Shruti T. Rathi	M.Sc. II	Rathi	Rathi	Rathi
41	Anjali N. Pawar	M.Sc. II	Pawar	Pawar	Pawar
42	Vaishnavi A. Lohade	M.Sc. II	Lohade	Lohade	Lohade
43	Pavani D. Desmode	M.Sc. II	Desmode	Desmode	Desmode
44	Kirti D. Bhala	M.Sc. II	Bhala	Bhala	Bhala
45	Neha K. Bhola	M.Sc. II	Bhola	Bhola	Bhola
46	Kupali S. Solanke	M.Sc. II	Solanke	Solanke	Solanke
47	Digant G. Mulatkar	M.Sc. II	Mulatkar	Mulatkar	Mulatkar

One Week Certificate Course On
Skill Development For Pharmaceutical Industry
9th May To 15th May 2022

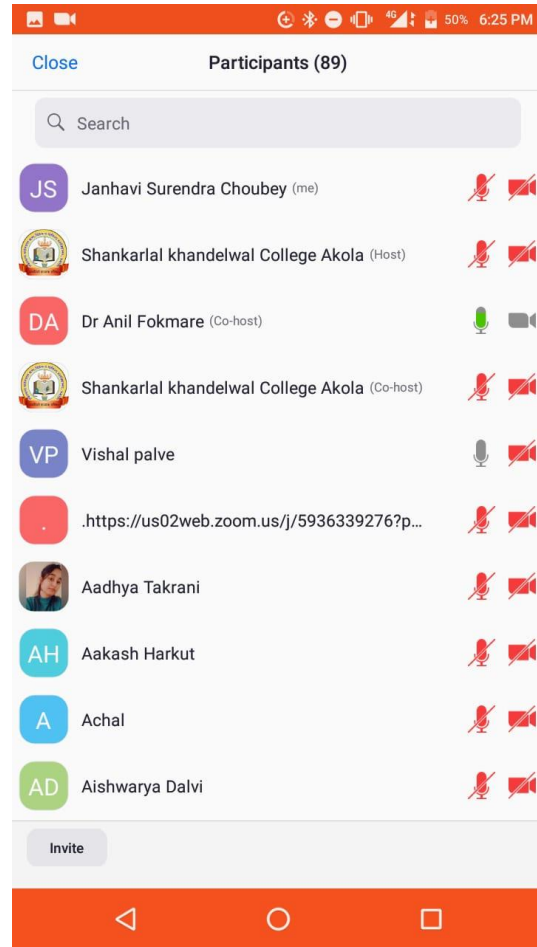
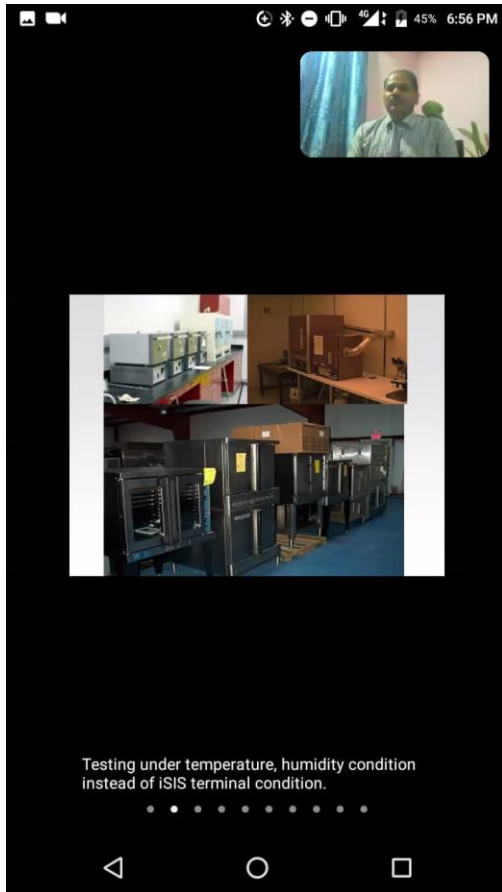
Jointly Organized By
Department of Microbiology, Shri. R. L. T. College of Science, Akola
Department of Microbiology, Shankarlal Khandelwal College, Akola
And Global Institute Of Self-Motivation

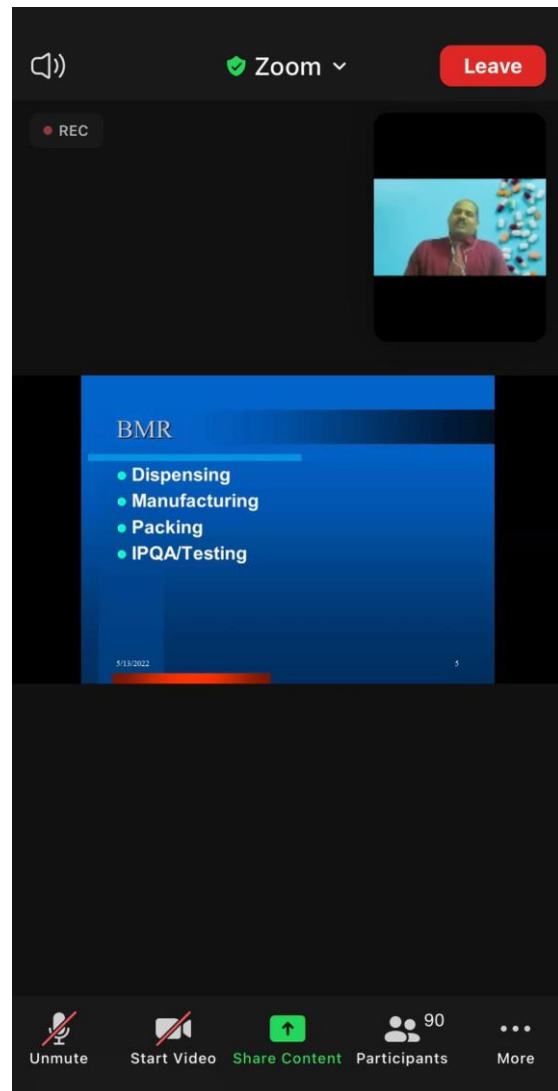
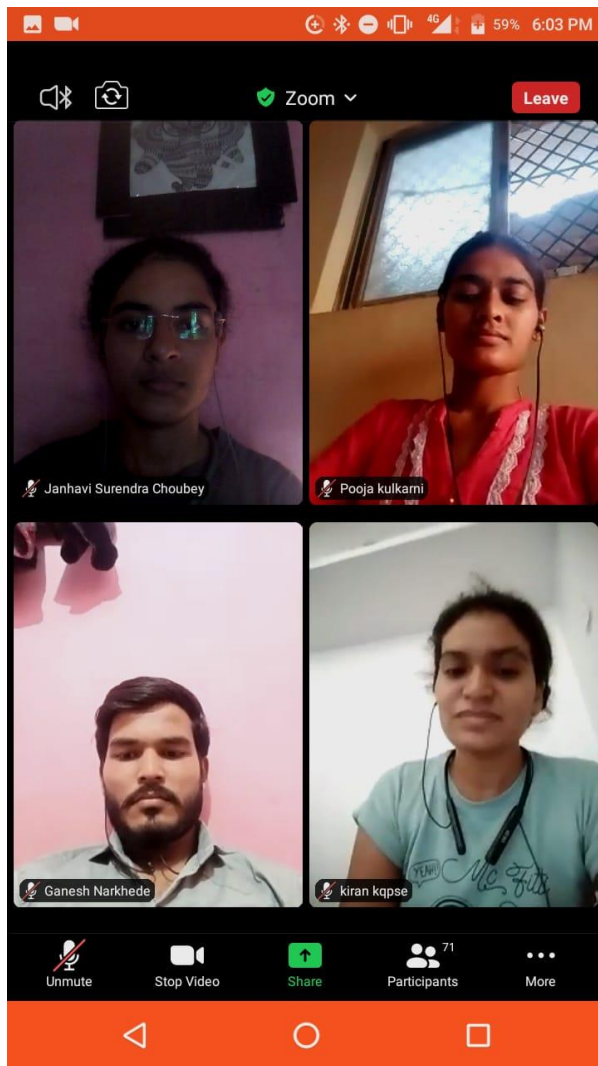
S. N.	NAMED OF STUDENT	YEAR	9/05/2022	10/05/2022	11/05/2022
1.	MANASI BORKAR	B.Sc. III	Borkar	Borkar	Borkar
2.	KOMAL KORKANE	B.Sc. III	Korkane	Korkane	Korkane
3.	MANASI GALANI	B.Sc. III	Galani	Galani	Galani
4.	SAKSHI TAKRANI	B.Sc. III	Takrani	Takrani	Takrani
5.	SAKSHI KATOLE	B.Sc. III	Katole	Katole	Katole
6.	NIDHI DIXIT	B.Sc. III	Dixit	Dixit	Dixit
7.	VAIDEHI KULKARNI	B.Sc. III	Kulkarni	Kulkarni	Kulkarni
8.	PALLAVI INGLE	M.Sc. IBCM	Ingle	Ingle	Ingle
9.	PRANALI RONGHE	M.Sc. IBCM	Ronghe	Ronghe	Ronghe
10.	VAISHNAVI KOKATE	M.Sc. IBCM	Kokate	Kokate	Kokate
11.	KRISHNA THAKARE	M.Sc. IBCM	Thakare	Thakare	Thakare
12.	SUMEDHI WAHURWAGH	M.Sc. IBCM	Wahurwagh	Wahurwagh	Wahurwagh
13.	ADIL MD. SHEIKH	M.Sc. IBCM	Sheikh	Sheikh	Sheikh
14.	SHIVANI DEHMUKH	M.Sc. IBCM	Dehmukh	Dehmukh	Dehmukh
15.	KIRAN CHAOBE	M.Sc. IBCM	Chaoabe	Chaoabe	Chaoabe
16.	MD. MUBASSHIR M.	M.Sc. IBCM	Mubasshir	Mubasshir	Mubasshir
17.	PRATIKSHA LAJURKAR	M.Sc. IBCM	Lajurkar	Lajurkar	Lajurkar
18.	ROSHNI TIWARI	B.Sc. III	Tiwari	Tiwari	Tiwari
19.	AISHWARYA SAWANT	M.Sc. II MCB	Sawant	Sawant	Sawant
20.	RUTUJA PAGRUT	M.Sc. II MCB	Pagrut	Pagrut	Pagrut
21.	TULSI JOSHI	M.Sc. II MCB	Joshi	Joshi	Joshi
22.	KRISHNA BAGDIA	B.Sc. III	Bagdia	Bagdia	Bagdia
23.	SAMRUDDHI PATIL	B.Sc. III	Patil	Patil	Patil
24.	KUNIKA PARMAR	B.Sc. III	Parmar	Parmar	Parmar
25.	ACHAL MASANE	M.Sc. II MCB	Masane	Masane	Masane
26.	PRIYANKA CHAUVAN	M.Sc. II MCB	Chauvan	Chauvan	Chauvan
27.	PALLAVI KAMBLE	M.Sc. II MCB	Kamble	Kamble	Kamble
28.	VAISHNAVI RAUT	B.Sc. III	Raut	Raut	Raut
29.	DIPALI TAYDE	M.Sc. II MCB	Tayde	Tayde	Tayde
30.	VAISHNAVI INGLE	M.Sc. II MCB	Ingle	Ingle	Ingle
31.	JANVI CHOURBEY [JANHAVI]	M.Sc. I MCB	Chourbey	Chourbey	Chourbey
32.	SAHRVARI DESHPANDE	M.Sc. I MCB	Deshpande	Deshpande	Deshpande
33.	SHITAL PANDAV	M.Sc. IBCM	Pandav	Pandav	Pandav
34.	MRUNALLINI ALLAP	M.Sc. II MCB	Allap	Allap	Allap
35.	SAMIKSHA INGLE	B.Sc. III	Ingle	Ingle	Ingle
36.	PAYAL VAIDYA	B.Sc. III	Vaidya	Vaidya	Vaidya
37.					

Photo: Attendance of participants from various colleges



[SSR/Criterion-II/ Teaching, Learning & Evaluation/ QIM-2.3.1]





Dr. Harish S. Malpani

Asst. Professor & Head

Department of Microbiology & Biochemistry

Remedial Coaching

Shri R. L. T. College of Science, Akola

**Remedial Coaching Centre for SC/ST/OBC & Minorities
(UGC XII Plan)**

Dr. P. P. Deohate	(Co-ordinator)
Dr. S. W. Bhaware	(Member)
Dr. S. M. Nagrale	(Member)
Dr. Ms. A. S. Sawarkar	(Member)
Mr. M. R. Ubale	(Member)
Dr. A. G. Sarap	(Member)

Report

(2017-18)

As per the guidelines of UGC, in order to enable the students belonging to SC/ST/OBC & Minority communities, who need remedial coaching to come up to the level necessary for pursuing higher studies effectively and to reduce their failure and drop-out rate, Remedial Coaching Centre for SC/ST/OBC & Minorities was started in Shri R.L.T. College of Science, Akola from 1st July 2010 under the guidance of Principal Dr. Vijay D. Nanoty. In the session 2017-18 overall 315 students of B.Sc.-II and B.Sc.-III were admitted and actual teaching was started from 1st August 2017. Total 28 faculty members are engaged in the teaching work for strengthening the knowledge, skill, attitude and for improving the academic skills and linguistic proficiency of the students in various subjects. The subjects covered under remedial coaching are Botany, Chemistry, Computer Science, Electronics, Mathematics, Microbiology, Physics and Zoology. Question bank and model answer papers along with reading material and notes were provided to the students. **During this session as the grant was not available overall coaching was carried out at departmental level on non-remunerative basis.**



Dr. Pradip P. Deohate
Co-ordinator



Dr. Vijay D. Nanoty
Principal

Date : 15.04.2018

Remedial Coaching Classes Shri R.L.T. College of Science, Akola

Shri R. L. T. College of Science, Akola
Remedial Coaching Centre for SC/ST/OBC & Minorities
(UGC XII Plan)

List of Teachers (2017-18)

Sr.No.	Name of the Teacher	Subject
1	Dr. U. K. Bhalekar	Microbiology
2	Mr. R. G. Chavan	Electronics
3	Mr. Dr. S. W. Bhaware	Mathematics
4	Dr. S. M. Nagrale	Zoology
5	Dr. A. S. Sawarkar	Zoology
6	Dr. P. P. Deohate	Chemistry
7	Mrs. V. N. Badgujar	Botany
8	Mr. R. D. Choudhari	Electronics
9	Dr. P. T. Agrawal	Chemistry
10	Ms. S. B. Tadam	Mathematics
11	Mr. P. M. Khadse	Botany
12	Dr. P. R. Kawle	Chemistry
13	Dr. S. R. Kohchale	Zoology
14	Dr. K. M. Heda	Chemistry
15	Dr. R. L. Rahatgaonkar	Zoology
16	Dr. A. G. Sangole	Botany
17	Dr. A. G. Sarap	Chemistry
18	Mr. R. B. Ghayalkar	Computer Science
19	Mr. P. P. Gedam	Physics
20	Dr. H. S. Malpani	Microbiology
21	Mr. S. V. Madavi	Botany
22	Dr. R. P. Joshi-Sawalkar	Zoology
23	Dr. R. M. Agrawal	Physics
24	Dr. S. L. Munde	Mathematics
25	Mr. V. D. Deotale	Chemistry
26	Ms. S. N. Gawande	Microbiology
27	Mr. S. C. Zyate	Chemistry
28	Mr. S. R. Jaiswal	Physics



Dr. Pradip P. Deohate
Co-ordinator



Dr. Vijay D. Nanoty
Principal

Date : 15.04.2018 Remedial Coaching Classes Shri R.L.T. College of Science, Akola

The Berar General Education Society's

Shri R.L.T. College of Science, Akola

NAAC Reaccredited Grade 'A' with CGPA 3.12 (3rd Cycle)
Affiliated to Sant Gadge Baba Amravati University, Amravati



Remedial Coaching Classes for Academically Weaker Students (SC, ST, OBC, Minority and Others)

Dr. P. P. Deohate	(Co-ordinator)
Dr. S. M. Nagrale	(Member)
Dr. A. S. Sawarkar	(Member)
Dr. A. G. Sarap	(Member)
Mr. M. R. Ubale	(Member)

Report

(Session : 2018-19)

During the session 2010-11, as per the guidelines of UGC "Remedial Coaching Classes for SC, ST, OBC and Minorities" was started in Shri R.L.T. College of Science, Akola from 1st July 2010 under the observation of Principal Dr. Vijay D. Nanoty. From the session 2018-19 these classes were extended to other academically weaker students in order to enable these students along with SC, ST, OBC and minority communities, who are in need of remedial coaching to come up to the level necessary for pursuing higher studies effectively and to reduce their failure and drop-out rate.

In the session 2018-19 total 383 students of B.Sc.-II and B.Sc.-III were admitted to these remedial classes in the month of July and from 1st August 2018 actual teaching was started. Overall 27 teachers of different subjects were took part in the teaching for strengthening the subject knowledge, upgrading the practical skill and for improving the academic skill and conceptual understanding of the students.

To create interest in the subject and to clear the basic ideas about the subject, guest lectures of eminent academicians were arranged time to time. The students were encouraged to take part in different subject related workshops, seminars, quizzes etc. organized by the college and other educational organizations.

The subjects Botany, Chemistry, Computer Science, Electronics, Mathematics, Microbiology, Physics and Zoology were covered under remedial coaching. Different types of reading material were provided to the students along with question bank and model answer papers. The remedial coaching was conducted at departmental level on non-remunerative basis.

Dr. Pradip P. Deohate

Co-ordinator

Dr. Vijay D. Nanoty

Principal

Date - 22.04.2019

Remedial Coaching Classes

Shri R.L.T. College of Science, Akola

Shri R. L. T. College of Science, Akola

Shri R.L.T. College of Science, Akola

NAAC Reaccredited Grade 'A' with CGPA 3.12 (3rd Cycle)
Affiliated to Sant Gadge Baba Amravati University, Amravati

Remedial Coaching Classes for Academically Weaker Students (SC, ST, OBC, Minority and Others)

Time Table, B.Sc.-II (Semester-III, IV) (Session : 2018-19)

Day	Time	B.Sc.-II (Sem-III)	B.Sc.-II (Sem-IV)
		Aug-2018 to Oct-2018	Jan-2019 to Mar-2019
Monday	09.00 to 10.00	CHE (PPD)	CHE (KMH)
	10.00 to 11.00	BOT (VNB)	BOT (AAS)
Tuesday	09.00 to 10.00	ELE (RGC)	ELE (RDC)
Wednesday	09.00 to 10.00	CPS (RBG)	CPS (RBG)
	10.00 to 11.00	MCB (HSM)	MCB (SNG)
Thursday	09.00 to 10.00	MATH (SBT)	MATH (SLM)
Friday	09.00 to 10.00	ZOO (ASS)	ZOO (SRK)
	10.00 to 11.00	PHY (PPG)	PHY (SRJ)
Saturday	09.00 to 10.00	CHE (VDD)	ZOO (RPJ)

Room No. - 04

(Effective from 01.08.2018 and 01.01.2019)

Time Table, B.Sc.-III (Semester-V, VI) (Session : 2018-19)

Day	Time	B.Sc.-III (Sem-V)	B.Sc.-III (Sem-VI)
		Aug-2018 to Oct-2018	Jan-2019 to Mar-2019
Monday	09.00 to 10.00	BOT (PMK)	BOT (SVM)
	10.00 to 11.00	CHE (PTA)	CHE (PRK)
Tuesday	09.00 to 10.00	CPS (RBG)	CPS (RBG)
Wednesday	09.00 to 10.00	ELE (RDC)	ELE (RGC)
	10.00 to 11.00	MATH (SLM)	MATH (SBT)
Thursday	09.00 to 10.00	MCB (UKB)	MCB (HSM)
Friday	09.00 to 10.00	PHY (SRJ)	PHY (RMA)
	10.00 to 11.00	ZOO (SMN)	ZOO (RLR)
Saturday	09.00 to 10.00	CHE (AGS)	CHE (SCZ)

Room No. - 05

(Effective from 01.08.2018 and 01.01.2019)



Dr. Pradip P. Deohate

Co-ordinator



Dr. Vijay D. Nanoty

Principal

Date - 24.07.2018

Remedial Coaching Classes

Shri R.L.T. College of Science, Akola

Shri R. L. T. College of Science, Akola

The Berar General Education Society's

Shri R.L.T. College of Science, Akola

NAAC Reaccredited Grade 'A' with CGPA 3.12 (3rd Cycle)

Affiliated to Sant Gadge Baba Amravati University, Amravati

Remedial Coaching Classes for Academically Weaker Students (SC, ST, OBC, Minority and Others)

List of Teachers

(Session : 2018-19)

Sr.No.	Name of the Teacher	Subject
1.	Mrs. V. N. Badgajar	Botany
2.	Dr. P. M. Khadse	Botany
3.	Dr. A. A. Sangole	Botany
4.	Mr. S. V. Madavi	Botany
5.	Dr. P. T. Agrawal	Chemistry
6.	Dr. P. P. Deohate	Chemistry
7.	Dr. P. R. Kawle	Chemistry
8.	Dr. K. M. Heda	Chemistry
9.	Dr. A. G. Sarap	Chemistry
10.	Mr. V. D. Deotale	Chemistry
11.	Mr. S. C. Zyate	Chemistry
12.	Mr. R. B. Ghayalkar	Computer Science
13.	Mr. R. G. Chavan	Electronics
14.	Mr. R. D. Chaudhari	Electronics
15.	Dr. S. B. Tadam	Mathematics
16.	Dr. S. L. Munde	Mathematics
17.	Dr. U. K. Bhalekar	Microbiology
18.	Dr. H. S. Malpani	Microbiology
19.	Ms. S. N. Gawande	Microbiology
20.	Mr. P. P. Gedam	Physics
21.	Dr. R. M. Agrawal	Physics
22.	Mr. S. R. Jaiswal	Physics
23.	Dr. S. M. Nagrale	Zoology
24.	Dr. A. S. Sawarkar	Zoology
25.	Dr. S. R. Kohchale	Zoology
26.	Dr. R. L. Rahatgaonkar	Zoology
27.	Dr. R. P. Joshi-Sawalkar	Zoology



Dr. Pradip P. Deohate

Co-ordinator



Dr. Vijay D. Nanoty

Principal

Date - 24.07.2018

Remedial Coaching Classes

Shri R.L.T. College of Science, Akola

Shri R. L. T. College of Science, Akola

Shri R.L.T. College of Science, Akola

NAAC Reaccredited Grade 'A' with CGPA 3.12 (3rd Cycle)

Affiliated to Sant Gadge Baba Amravati University, Amravati

Remedial Coaching Classes for Academically Weaker Students (SC, ST, OBC, Minority and Others)

List of Students, B.Sc.-II (Semester-III, IV)

(Session : 2018-19)

Batch-B1			
1.	Achal Govind Masane	9.	Radhika Rajesh Gawali
2.	Anjali Vinod Pawar	10.	Rohini Prakash Bhople
3.	Gayatri Prakash Dhande	11.	Shraddha Sudhakar Thakare
4.	Jayshree Sanjay Jaybhaye	12.	Vaishnavi Ajabrao Labhade
5.	Kartika Jaydeep Kalne	13.	Vaishnavi Satish Sonwane
6.	Manishakumari Vilasrao Gudadhe	14.	Mayur Laxmanrao Yeole
7.	Poonam Sanjay Gangane	15.	Saurabh Shivaji Khamkar
8.	Pranali Anil Chopade	16.	Shrikant Ramakant Bhople
Batch-B2			
1.	Anushree Damodhar Kalbende	12.	Sneha Arjun Wahurwagh
2.	Arti Sadanand Mankar	13.	Vaishnavi Vilas Khumkar
3.	Bhagyashri Pundlik Jamodkar	14.	Yogita Prakash Tayade
4.	Madhuri Sanjaykumar Narwade	15.	Aditya Rajendra Ade
5.	Pallavi Mahadeo Sonone	16.	Govind Bhaurao Andhale
6.	Pallavi Shrikrushna Mansute	17.	Sahil Amarsingh Kakan
7.	Prachi Shrikrushna Deole	18.	Sahil Chandrashekhar Tadas
8.	Pranita Gajanan Gite	19.	Shreyas Shriram Ingle
9.	Pratiksha Sadanand Thakare	20.	Tushar Harishchandra Rathod
10.	Shreya Ashok Ingole	21.	Vivek Vitthal Bhatkhade
11.	Shruti Gajanan Kalwe		
Batch-B3			
1.	Adhishree Makarand Gadre	10.	Nikita Dattatray Avhale
2.	Ayuti Arun Sone	11.	Sakshi Sudhir Nawale
3.	Chaitali Sanjay Palaspar	12.	Sufiya Areeb Mohammad Fazil
4.	Dipali Jagannath Tayade	13.	Trupti Rameshwar Nakat
5.	Harsha Gokuldas Gawai	14.	Vaishnavi Sunil Kale
6.	Isha Pramod Asambe	15.	Pravin Prakash Nage
7.	Neha Shivaprakash Rahate	16.	Saurabh Arvind Shegokar
8.	Neha Vinayak Mankar	17.	Shyam Samadhan Dahibhate
9.	Nikita Bhaskar Wadje		

[SSR/Criterion-II/ Teaching, Learning & Evaluation/ QIM-2.3.1]

Batch-B5			
1.	Aasawari Subhash Wagare	31.	Rani Gajanan Lande
2.	Aishwarya Surendra Khete	32.	Renuka Ramesh Talokar
3.	Aparna Dipak Wagh	33.	Roshani Amarising Rathod
4.	Ashwini Purushottam Dhore	34.	Ruchita Gajanan Kakade
5.	Chanchal Sanjay Ramteke	35.	Sonal Santosh Mhaturkar
6.	Chanda Kailash Wankhede	36.	Syeda Saniya Syed Haroon Syed
7.	Dewyani Ganesh Shrinath	37.	Tejasvini Vasudeo Gavhale
8.	Divya Gajendrasingh Chauhan	38.	Trupti Arun Rahate
9.	Farheen Tabassum Mohd Rafique	39.	Uma Prakash Mundale
10.	Fatema Aliasgar Patel	40.	Vaishnavi Ashok Tayade
11.	Firdous Fatema Mohd Siddiqui	41.	Vaishnavi Devidas Dongre
12.	Gayatri Vijay Dhombre	42.	Vaishnavi Girdhar Honale
13.	Jaya Narayan Bhartilak	43.	Vaishnavi Rajesh Mhaisne
14.	Meghna Arun Pawar	44.	Vaishnavi Sanjay Ingle
15.	Mukta Keshav Zatale	45.	Yukta Babanrao Bunde
16.	Mukta Mahadev Hage	46.	Yukta Sandesh Bende
17.	Neha Gajanan Vairale	47.	Abhishek Jagdish Lokhande
18.	Neha Rajesh Kawalekar	48.	Ashish Sanjiv Baghewar
19.	Neha Shrikrushna Dhakare	49.	Gopal Baldeo Zatale
20.	Nikita Gopal Jadhal	50.	Parag Premanand Khandare
21.	Pallavi Purushottam Dod	51.	Pavan Sahebrao Honale
22.	Pallavi Ramesh Fasale	52.	Prajwal Raju Turuk
23.	Pallavi Ravindra Kirtak	53.	Pritesh Dinesh Vilhekar
24.	Pallavi Vinod Wagh	54.	Ram Rajesh Mangle
25.	Pooja Anil Talokar	55.	Sachin Rambhau Chaudhari
26.	Pooja Vinodrao Nage	56.	Sachin Shankar Atkar
27.	Poonam Anil Anpat	57.	Sangam Vilas Ambhore
28.	Pragati Ashok Ingle	58.	Suraj Gangadhar Kale
29.	Pragati Ramesh Gopnarayan	59.	Vinay Haridas Bavaskar
30.	Pratiksha Dnyaneshwar Lunge	60.	Vishal Ramrao Janjal
Batch-B6			
1.	Bhagyashri Sanjay Kale	5.	Mangalkumar Gajanan Mawale
2.	Gauri Prabhakar Tale	6.	Mayur Vinod Tayade
3.	Shamal Parmeswar Suryakar	7.	Suraj Dilip Thakare
4.	Shubhangi Prakash Rathod		
Batch-B7			
1.	Ashvini Himmat Ingle	4.	Ravina Ramesh Sarap
2.	Nikita Haribhau Tapare	5.	Akash Manohar More
3.	Radhika Vitthal Shelke	6.	Shubham Prabhakar Wankhade

[SSR/Criterion-II/ Teaching, Learning & Evaluation/ QIM-2.3.1]

Batch-P1			
1.	Apeksha Dadarao Tidke	6.	Dhiraj Prakash Goswami
2.	Ayeshamaa Mohd Faiyaz Amdani	7.	Nagorao Siddhartha Fulkar
3.	Komal Nagesh Shegokar	8.	Sadanand Padmakar Ghonge
4.	Manisha Mahadeo Awachar	9.	Shripad Nilkanth Tarale
5.	Vijaya Wasudev Pimple	10.	Vikas Bhaskar Kalamb
Batch-P2			
1.	Aarti Dnyaneshwar Katore	10.	Vaishali Arun Hatole
2.	Arti Dhanraj Ohe	11.	Vaishnavi Mahesh Warhade
3.	Durga Shrikrushana Khawale	12.	Vaishnavi Ravindra Deshmukh
4.	Fatema Ansar Ahmed Shaikh	13.	Vaishnavi Shrikrishna Vyawahare
5.	Neha Sunil Harimkar	14.	Avinash Namdev Katare
6.	Prachi Sanjay Ubale	15.	Jivan Mahadav Shelke
7.	Prerna Pandurang Ghuikar	16.	Pranav Dilip Patil
8.	Priyanka Satish Ingole	17.	Rohit Gajanan Bhople
9.	Srushti Prasad Mate		
Batch-P3			
1.	Aishwarya Suresh Tayade	8.	Mukul Sudheer Kongle
2.	Pooja Eknath Raut	9.	Prameya Pravin Upasane
3.	Priyanka Digamber Naitam	10.	Rohit Raju Sule
4.	Shubhangi Dilip Matre	11.	Rushikesh Mahesh Neware
5.	Akshay Rajendra Nikole	12.	Vishwajeet Sunil Mondhe
6.	Aniruddh Prabhakar Sangle	13.	Vrushabh Mahesh Dinode
7.	Mayur Praful Date	14.	Yogesh Gajanan Malokar
Batch-P4			
1.	Aartee Haridas Mogare	22.	Yogita Dnyaneshwar Shelke
2.	Bhagyashri Devedas Titur	23.	Adesh Rameshwar Wagh
3.	Chhaya Pradip Bhakare	24.	Ashutosh Anil Solanke
4.	Madhuri Dinkar Mohe	25.	Dhiraj Gautam Sirsat
5.	Mayuri Dhananjay Thakare	26.	Dipankar Rajendra Telgote
6.	Mayuri Vinod Shegaonkar	27.	Nikhil Sunil Chakranarayan
7.	Nikita Pandurang Dhurde	28.	Pavan Gajanan Shelke
8.	Nikita Sudhakar Thakare	29.	Pawan Vinayak Band
9.	Pooja Najukrao Pawasale	30.	Piyush Rajendra Raut
10.	Prachi Anil Ingle	31.	Pradip Jagan Kalbande
11.	Pratiksha Uttamrao Golam	32.	Pranav Gajanan Kadu
12.	Pratiksha Vilas Banole	33.	Prathamesh Vinod Bende
13.	Renuka Rajabhau Gaud	34.	Pratik Gajanan Dofe
14.	Rucha Ramesh Waghmare	35.	Ravi Suresh Manmode
15.	Ruchika Ghanshyam Neware	36.	Rushikesh Ulhasrao Kharate

[SSR/Criterion-II/ Teaching, Learning & Evaluation/ QIM-2.3.1]

16.	Sayali Vitthal Thote	37.	Shantanu Suryakant Wankhade
17.	Shubhangi Shivdas Dhore	38.	Shivam Vilasrao Mate
18.	Shweta Subhash Nagre	39.	Shrikrushna Dnyaneshwar Dabhade
19.	Sonali Balkrishna Kulat	40.	Shubham Gajanan Mhatarmare
20.	Vaishnavi Pralhad Akhare	41.	Vipul Mukinda Ghate
21.	Vaishnavi Sanjay Talokar	42.	Vishal Haridas Kanpure
Batch-P5			
1.	Kalyani Prashant Pathak	3.	Sarang Sudhil Sarjekar
2.	Pratik Sadashivrao Deshmukh	4.	Shubham Tirtharaj Kamle
Batch-P6			
1.	Ankita Pramod Tayade	4.	Poonam Ramesh Aware
2.	Anuja Manikrao Ingle	5.	Rupali Vasant Idhol
3.	Neha Shashikant Wakhare	6.	Kunal Deepak Dhanedhar



Dr. Pradip P. Deohate

Co-ordinator

Date - 24.07.2018

Remedial Coaching Classes



Dr. Vijay D. Nanoty

Principal

Shri R.L.T. College of Science, Akola

Shri R.L.T. College of Science, Akola

NAAC Reaccredited Grade 'A' with CGPA 3.12 (3rd Cycle)

Affiliated to Sant Gadge Baba Amravati University, Amravati

**Remedial Coaching Classes for Academically Weaker Students
(SC, ST, OBC, Minority and Others)****List of Students, B.Sc.-III (Semester-V, VI)**

(Session : 2018-19)

Batch-B1			
1.	Apeksha Pramod Bhagde	9.	Radha Baburao Katre
2.	Ashwini Vilas Mahale	10.	Sakshi Manoj Gawande
3.	Bhayashree Narayan Pawade	11.	Sapna Gajanan Ingle
4.	Gayatri Ashok Nagolkar	12.	Sneha Sanjay Khumkar
5.	Komal Shankar Langote	13.	Sonali Shrihari Janjal
6.	Kulsum Banu Izhar Shaikh	14.	Akshay Shrikrushana Wakte
7.	Naman Gopal Kandarkar	15.	Devashish Ajay Khandare
8.	Nidhi Satish Telgote	16.	Shubham Gajanan Kadam
Batch-B2			
1.	Achal Rahul Shegaonkar	9.	Pracheta Hemant Sudke
2.	Ankita Gopalrao Ganeshpure	10.	Pragati Ramdas Pakhare
3.	Ashwini Kishor Fursule	11.	Priyanka Gajanan Katkhede
4.	Gayatri Anil Galkhe	12.	Rohini Vitthal Dhore
5.	Harsha Gopal Wankhade	13.	Simran Anil Sachdeo
6.	Mayuri Rajabhau Patil	14.	Vaishnavi Balubhau Kale
7.	Monika Jagdeorao Bole	15.	Shivam Vishnu Ingle
8.	Nida Tabasum Mohammad Javed		
Batch-B3			
1.	Madhura Anil Kharate	9.	Shivani Ranjan Pawar
2.	Neha Laxmanrao Shirsat	10.	Shraddha Gajanan Sonone
3.	Neha Shrikrushna Tekade	11.	Shraddha Vilas Pande
4.	Pooja Shriram Bodade	12.	Shreya Sudhakar Junghare
5.	Poonam Gangadhar Wagh	13.	Ajay Vasanttrao Bonde
6.	Preeti Sanjay Bhad	14.	Ninad Prashant Borakhade
7.	Samiksha Chandrashekhar Mahalle	15.	Prajwal Sheshrao Dhanokar
8.	Samiksha Vishnu Kale	16.	Vishal Ravindra Bhakre
Batch-B5			
1.	Apeksha Suresh Tayade	20.	Saima Parveen Abdul Maqsood
2.	Archana Keshav Ingle	21.	Sanjivani Sanjay Bharaskar
3.	Arti Purushottam Kadam	22.	Shalini Gautam Tayade

[SSR/Criterion-II/ Teaching, Learning & Evaluation/ QIM-2.3.1]

4.	Dipali Balkrushna Khandare	23.	Sneha Rajendra Gadge
5.	Dipti Ram Sable	24.	Sneha Sunil Ganoje
6.	Gazala Mansur Khan	25.	Sonali Samadhan Chincholkar
7.	Kalyani Rajeev Helge	26.	Supriya Diliprao Solanke
8.	Mayuri Jiwan Bhagat	27.	Suvarana Ramerao Jadhav
9.	Mayuri Sanjay Thakare	28.	Vaishali Panjabrao Charate
10.	Megha Mohan Khandare	29.	Vaishnavi Sudhakar Thakare
11.	Mohini Vinayak Mate	30.	Akshay Samadhan Shelke
12.	Pallvai Sheshrao Dhoke	31.	Gaurav Ravindra Akot
13.	Payal Rajesh Sonavane	32.	Mangesh Bhagwantrao Deshmukh
14.	Pooja Gopal Dandale	33.	Rushikesh Dnyandeo Nimkande
15.	Pranali Shailesh Shirsat	34.	Saurabh Sanjay Chatarkar
16.	Renuka Nandu Gaondhalekar	35.	Swaraj Ravindra Khawane
17.	Revati Rajendra Salvikar	36.	Tanesh Ulhasrao Bhatkar
18.	Ruchita Rajesh Girhe	37.	Tushar Himmatrao Gite
19.	Sahrish Isharaque Ahmed Shaikh	38.	Umakant Pandurang Palkhade
Batch-B6			
1.	Gayatri Ramesh Dhamne	4.	Rohini Vinod Pawar
2.	Komal Shyam Devkate	5.	Vishal Nandkishor Mohanik
3.	Punam Manikarao Tayade		
Batch-B7			
1.	Mayuri Arun Borchate	3.	Rohini Baliram Gawande
2.	Prajakta Prakashrao Wadal		
Batch-P1			
1.	Harsha Arun Sahare	4.	Nikita Pramod Yeole
2.	Komal Ramdas Dambare	5.	Shubham Govind Gadhekar
3.	Monal Sanjay Tayade	6.	Shubham Prabhudas Majare
Batch-P2			
1.	Kiran Dilip Kalanke	7.	Tejaswini Sanjay Gawai
2.	Lalita Ram Mungyalkar	8.	Trupti Gajanan Bhure
3.	Neha Baliram Zamare	9.	Dipak Ganesh Lahase
4.	Sayali Manikrao Kalmegh	10.	Gaurav Pradiprao Gorle
5.	Shivani Shailesh Tiwari	11.	Pranil Shaligaram Ingle
6.	Shriya Himmat Waghmare	12.	Vaibhav Kailash Karale
Batch-P3			
1.	Damini Deepak Khade	6.	Vaishnavi Sunil Ghatol
2.	Kajal Gajanan Sarap	7.	Akshay Bhaskar Lodam
3.	Rucha Vinodrao Thorat	8.	Mahadev Sureshrao Ghuge
4.	Samiksha Sudhakar Chaudhari	9.	Vishal Dipak Tayade
5.	Shraddha Chandrakant Dhawale		

[SSR/Criterion-II/ Teaching, Learning & Evaluation/ QIM-2.3.1]

Batch-P4			
1.	Akanksha Rajesh Gawande	17.	Shubhangi Dinkar Gopnarayan
2.	Arati Balkrushna Ingle	18.	Shubhangi Rajendra Ekghare
3.	Ashwini Santosh Shegokar	19.	Shubhangi Sanjay Gondchowar
4.	Bharti Kakasaheb Wankhade	20.	Vaishali Prakash Manekar
5.	Kajal Rameshwar Javake	21.	Vaishanavi Sanjay Kidey
6.	Mayuri Dnyaneshwar Gadge	22.	Vaishnavi Kisan Aswar
7.	Mayuri Ganesh Zatale	23.	Abhijeet Gajanan Tayade
8.	Mayuri Sudhakar Kale	24.	Ajay Subhash Sitre
9.	Nikita Ramdas Ghate	25.	Ajinkya Pandurang Dahibhat
10.	Pallavi Najukarao Gavande	26.	Akshay Shriram Ghope
11.	Pallavi Pralhad Gawai	27.	Arjun Ananta Nemade
12.	Pallavi Pundlik Lahamge	28.	Pratik Mahadeo Date
13.	Pooja Kailas Yeole	29.	Rahul Vasant Ghogare
14.	Pooja Shankar Hage	30.	Rushikesh Chandrakant Kambe
15.	Raksha Prakash Pawar	31.	Shubham Pralhad Nawle
16.	Rewati Subhash Wankhade	32.	Somesh Devidas Khelkar
Batch-P5			
1.	Ashvini Santosh Sonone	3.	Niharika Wasudeo Khopade
2.	Namrata Vinod Tayade	4.	Faisal Malik Abdul Salam Shaikh
Batch-P6			
1.	Manisha Arvind Sarap	5.	Rutuja Avinash Gadave
2.	Pallavi Ram Yewatkar	6.	Shweta Anil Kale
3.	Payal Sanjay Maind	7.	Suraj Sunita Waghmare
4.	Pranali Nandkishor Pawar		



Dr. Pradip P. Deohate

Co-ordinator

Date - 24.07.2018

Remedial Coaching Classes



Dr. Vijay D. Nanoty

Principal

Shri R.L.T. College of Science, Akola

The Berar General Education Society's

Shri R.L.T. College of Science, Akola

NAAC Reaccredited Grade 'A' with CGPA 3.12 (3rd Cycle)

Affiliated to Sant Gadge Baba Amravati University, Amravati



Remedial Coaching Classes for Academically Weaker Students (SC, ST, OBC, Minority and Others)

Dr. P. P. Deohate	(Co-ordinator)
Dr. S. M. Nagrale	(Member)
Dr. A. S. Sawarkar	(Member)
Dr. A. G. Sarap	(Member)
Mr. M. R. Ubale	(Member)

Report

(Session : 2019-20)

As per the guidelines of UGC, in order to enable the students belonging to the communities SC, ST, OBC and minorities, who need remedial coaching to come up to the level necessary for pursuing higher studies effectively and to reduce their failure and drop-out rate, "Remedial Coaching Classes for SC, ST, OBC and Minorities" was started in Shri R.L.T. College of Science, Akola from 1st July 2010 under the guidance of Principal Dr. Vijay D. Nanoty. These classes were extended to other academically weaker students from the session 2018-19.

In the session 2019-20 actual teaching was started from 1st August 2019 and total 446 students of B.Sc.-II and B.Sc.-III were get benefitted. Total 26 faculty members were engaged in the teaching work for strengthening the subject knowledge, upgrading the practical skill and for improving the academic skill and conceptual understanding of the students in various subjects.

Some guest lectures of eminent academicians were arranged for the students to create interest in the subject and to clear the basic ideas about the subject. The students were encouraged to participate in workshops, seminars, webinars, quizzes etc. organized by the college and other institutes.

The subjects covered under remedial coaching classes were Botany, Chemistry, Computer Science, Electronics, Mathematics, Microbiology, Physics and Zoology. Question bank and model answer papers along with reading material and notes were provided to the students. Overall coaching was carried out at departmental level on non-remunerative basis.

Dr. Pradip P. Deohate

Co-ordinator

Dr. Vijay D. Nanoty

Principal

Date - 15.04.2020

Remedial Coaching Classes

Shri R.L.T. College of Science, Akola

Shri R. L. T. College of Science, Akola

Shri R.L.T. College of Science, Akola

NAAC Reaccredited Grade 'A' with CGPA 3.12 (3rd Cycle)
Affiliated to Sant Gadge Baba Amravati University, Amravati

Remedial Coaching Classes for Academically Weaker Students (SC, ST, OBC, Minority and Others)

Time Table, B.Sc.-II (Semester-III, IV) (Session : 2019-20)

Day	Time	B.Sc.-II (Sem-III)	B.Sc.-II (Sem-IV)
		Aug-2019 to Oct-2019	Jan-2020 to Mar-2020
Monday	09.00 to 10.00	BOT (VNB)	BOT (AAS)
	10.00 to 11.00	CHE (PPD)	CHE (KMH)
Tuesday	09.00 to 10.00	CPS (RBG)	CPS (RBG)
Wednesday	09.00 to 10.00	ELE (RGC)	ELE (RDC)
	10.00 to 11.00	MATH (SBT)	MATH (SLM)
Thursday	09.00 to 10.00	MCB (HSM)	MCB (SNG)
Friday	09.00 to 10.00	PHY (PPG)	PHY (SRJ)
	10.00 to 11.00	ZOO (ASS)	ZOO (SRK)
Saturday	09.00 to 10.00	CHE (VDD)	ZOO (RPJ)

Room No. - 07

(Effective from 01.08.2019 and 01.01.2020)

Time Table, B.Sc.-III (Semester-V, VI) (Session : 2019-20)

Day	Time	B.Sc.-III (Sem-V)	B.Sc.-III (Sem-VI)
		Aug-2019 to Oct-2019	Jan-2020 to Mar-2020
Monday	09.00 to 10.00	CHE (PTA)	CHE (PRK)
	10.00 to 11.00	BOT (PMK)	BOT (SVM)
Tuesday	09.00 to 10.00	ELE (RDC)	ELE (RGC)
Wednesday	09.00 to 10.00	CPS (RBG)	CPS (RBG)
	10.00 to 11.00	MCB (SNG)	MCB (HSM)
Thursday	09.00 to 10.00	MATH (SLM)	MATH (SBT)
Friday	09.00 to 10.00	ZOO (SMN)	ZOO (RLR)
	10.00 to 11.00	PHY (SRJ)	PHY (RMA)
Saturday	09.00 to 10.00	CHE (AGS)	CHE (SCZ)

Room No. - 08

(Effective from 01.08.2019 and 01.01.2020)



Dr. Pradip P. Deohate

Co-ordinator



Dr. Vijay D. Nanoty

Principal

Date - 20.07.2019

Remedial Coaching Classes

Shri R.L.T. College of Science, Akola

Shri R. L. T. College of Science, Akola

Shri R.L.T. College of Science, Akola

NAAC Reaccredited Grade 'A' with CGPA 3.12 (3rd Cycle)
Affiliated to Sant Gadge Baba Amravati University, Amravati

Remedial Coaching Classes for Academically Weaker Students (SC, ST, OBC, Minority and Others)

List of Teachers

(Session : 2019-20)

Sr.No.	Name of the Teacher	Subject
1.	Mrs. V. N. Badgajar	Botany
2.	Dr. P. M. Khadse	Botany
3.	Dr. A. A. Sangole	Botany
4.	Mr. S. V. Madavi	Botany
5.	Dr. P. T. Agrawal	Chemistry
6.	Dr. P. P. Deohate	Chemistry
7.	Dr. P. R. Kawle	Chemistry
8.	Dr. K. M. Heda	Chemistry
9.	Dr. A. G. Sarap	Chemistry
10.	Mr. V. D. Deotale	Chemistry
11.	Mr. S. C. Zyate	Chemistry
12.	Mr. R. B. Ghayalkar	Computer Science
13.	Mr. R. G. Chavan	Electronics
14.	Mr. R. D. Chaudhari	Electronics
15.	Dr. S. B. Tadam	Mathematics
16.	Dr. S. L. Munde	Mathematics
17.	Dr. H. S. Malpani	Microbiology
18.	Ms. S. N. Gawande	Microbiology
19.	Mr. P. P. Gedam	Physics
20.	Dr. R. M. Agrawal	Physics
21.	Mr. S. R. Jaiswal	Physics
22.	Dr. S. M. Nagrale	Zoology
23.	Dr. A. S. Sawarkar	Zoology
24.	Dr. S. R. Kohchale	Zoology
25.	Dr. R. L. Rahatgaonkar	Zoology
26.	Dr. R. P. Joshi-Sawalkar	Zoology



Dr. Pradip P. Deohate

Co-ordinator



Dr. Vijay D. Nanoty

Principal

Date - 20.07.2019

Remedial Coaching Classes

Shri R.L.T. College of Science, Akola

Shri R. L. T. College of Science, Akola

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**Remedial Coaching Classes for Academically Weaker Students
(SC, ST, OBC, Minority and Others)**

List of Students, B.Sc.-II (Semester-III, IV)

(Session : 2019-20)

Batch-B1			
1.	Alfiya Fatima Khwaja	10.	Rachana Ratan Pawar
2.	Apurva Gajanan Manatkar	11.	Shweta Mangesh Tamble
3.	Bhagyashri Sunil Kawale	12.	Srushti Devendra Kshirsagar
4.	Dhanashri Vinod Mahalle	13.	Vaishnavi Vishnu Jamkar
5.	Kalyani Arun Tayde	14.	Vaishnavi Anil Nimje
6.	Kshitija Dipak Shirsat	15.	Vaishnavi Sadashiv Awhale
7.	Pragati Satish Kalne	16.	Abhijeet Prashant Sayre
8.	Pratiksha Raju Awadhut	17.	Nayan Anant Wawge
9.	Priti Pradip Wankhade	18.	Rutvij Basweshwar Dahrenkar
Batch-B2			
1.	Aishwarya Vijay Punase	12.	Snehal Sudhir Lade
2.	Geeta Sunil Vilhekar	13.	Vaishnavi Damodhar Ramekar
3.	Kanchan Suresh Deole	14.	Vaishnavi Gajanan Rokade
4.	Mahima Nanarao Amanakar	15.	Vaishnavi Murlidhar Katkhede
5.	Megha Digambar Khadase	16.	Vaishnavi Ravindra Tikar
6.	Monika Gajanan Pachpor	17.	Vaishnavi Vasantrao Verulkar
7.	Nayana Dinesh Kharbadkar	18.	Devanshu Vilas Raut
8.	Payal Gopal Tratak	19.	Parikshit Ashok Potdukhe
9.	Pooja Ratan Waghmare	20.	Roshan Sudhakar Badhe
10.	Priya Rajesh Raut	21.	Shubham Balkrushna Murumkar
11.	Sayali Anil Wakhare	22.	Vishvajitsing Shivsing Daberao
Batch-B3			
1.	Arati Chandrachudsingh Killedar	14.	Samruddhi Shailesh Fokmare
2.	Ashvini Keshav Manjare	15.	Shoeba Noor Shaikh Galib
3.	Gargi Dilip Sirsat	16.	Shruti Arun Thakare
4.	Hrutuja Bharat Gopnarayan	17.	Suchita Pramod Vanjari
5.	Madhuri Vilas Sonune	18.	Vaibhavi Bharat Tople
6.	Manisha Subhash Bhonde	19.	Vaishnavi Sahebrao Sure
7.	Mayuri Gajendra Rathod	20.	Atharva Rajendra Mohokar
8.	Pallavi Pramod Patil	21.	Kartik Rajesh Choudhari
9.	Piyusha Rajesh Rathod	22.	Piyush Subhash Wankhade

[SSR/Criterion-II/ Teaching, Learning & Evaluation/ QIM-2.3.1]

10.	Pratiksha Ravindra Ghuge	23.	Pratik Kailas Kate
11.	Radhika Vijay Patil	24.	Suhas Tejrao Umale
12.	Rajshri Gajanan Raut	25.	Yadnesh Sanjay Dhore
13.	Rushali Gajanan Gawai		
Batch-B5			
1.	Aakanksha Shrikrushana Dongare	36.	Sanchita Sanjay Ingle
2.	Aarti Anil Dhoke	37.	Sanjana Prakash Ingle
3.	Akanksha Ajabrao Ingle	38.	Shraddha Pramodrao Kharode
4.	Amruta Anilkumar Khandare	39.	Shraddha Rajesh Sontakke
5.	Ankita Ganesh Dongare	40.	Shubhangi Haribhau Tapare
6.	Bhavna Gopal Shingade	41.	Tanashree Gajanan Khiradkar
7.	Dhanshri Vinod Gathekar	42.	Vaishali Gajanan Kadu
8.	Dipali Narayan Aswar	43.	Vaishnavi Dilip Bhivate
9.	Divya Nandkishor Wahurwagh	44.	Vaishnavi Gajanan Kakad
10.	Dnyaneshwari Nandkishor Polkat	45.	Vaishnavi Nandkishor Gaykwad
11.	Harshali Vilas Neware	46.	Vaishnavi Shyamsundar Ingle
12.	Jagruti Pravin Tayade	47.	Abhishek Prashant Zadokar
13.	Jyotsna Arjun Chavan	48.	Ajay Gajanan Ghuge
14.	Kajal Sunil Wankhade	49.	Ajay Pandurang Gaikwad
15.	Kalyani Ramesh Ingle	50.	Amar Dipak Dongare
16.	Mohini Gopal Mendhe	51.	Avinash Shravan Anjankar
17.	Pallavi Rajesh Dhole	52.	Chaitanya Subhash Dhadel
18.	Pallavi Sahebrao Kalmegh	53.	Dinesh Dilip Bhagat
19.	Prachi Ravindra Dere	54.	Gaurav Bhimrao Wankhade
20.	Pragati Devrao Kawar	55.	Gaurav Gajanan Wagh
21.	Pranali Pramod Dongare	56.	Gaurav Madhukarrao Deshmukh
22.	Pranita Pramod Sontakke	57.	Gaurav Pandurang Bhatkar
23.	Pratiksha Sudhakar Shinde	58.	Hrushikesh Balmukund Tiwari
24.	Priti Shrikrushna Sirsat	59.	Karan Ishwardas Wankhade
25.	Priya Chandrashekhar Khobare	60.	Mahesh Vishwas Kakad
26.	Priya Gopal Wahurwagh	61.	Om Kanhu Kale
27.	Punam Mohan Raut	62.	Omprakash Ganesh Tambade
28.	Radha Rajesh Amode	63.	Pavan Ramkrushna Ingle
29.	Radha Tulshiram Badhe	64.	Piyush Panjabrao Adole
30.	Rupali Dadarao Surwade	65.	Prasad Krishnarao Gulhane
31.	Saba Parveen Shaikh Israil Shaikh	66.	Raman Samadhan Rathod
32.	Sakshi Gopalrao Tayade	67.	Saurabh Pradip Harne
33.	Sakshi Satyanarayan Kondawar	68.	Saurabh Rajesh Dhole
34.	Samiksha Ajay Phuse	69.	Shrikant Sunil Sonawane
35.	Samiksha Shrikrushna Dongare	70.	Vikram Shivdas Mahakale

[SSR/Criterion-II/ Teaching, Learning & Evaluation/ QIM-2.3.1]

Batch-B6			
1.	Durga Santosh Pore	5.	Mahima Mahendra Langote
2.	Gayatri Narendra Sable	6.	Shraddha Babarao Sable
3.	Kanchan Vinod Ingle	7.	Sneha Vijay Wadate
4.	Komal Gulabrao Gavhale	8.	Sujata Bharat Wankhade
Batch-B7			
1.	Anjali Gajanan Ingole	4.	Ruchita Ganesh Bawaskar
2.	Nikita Harish Mirjamle	5.	Vaishnavi Gajanan Gadge
3.	Pratiksha Narayan Lanjulkar	6.	Vaishnavi Santosh Bunde
Batch-P1			
1.	Khushboo Ganesh Thakare	7.	Vaishnavi Gopal Sontakke
2.	Mahima Vishnu Mahalle	8.	Vaishnavi Radhakisan Bhande
3.	Prerna Sharad Gedam	9.	Vaishnavi Sunil Ingle
4.	Swati Surendra Lokahande	10.	Akshay Kishor Shejole
5.	Vaishali Sanjay Sontakke	11.	Vikas Jagdish Gawai
6.	Vaishali Vinayak Chopade		
Batch-P2			
1.	Aishwrya Vinayak Tayade	12.	Vrushali Surendra Ingle
2.	Ashwini Kishor Gaikwad	13.	Bhushan Vilas Gawai
3.	Hrutuja Pramod Dhore	14.	Chetan Vilas Kale
4.	Mehreen Fatima Sajid Husain	15.	Gopal Ramdas Kokane
5.	Mrunali Gajanan Wawge	16.	Mohan Prakash Khadekar
6.	Nayanika Kiran Kale	17.	Rohit Sagar Keche
7.	Pranali Shekhar Hedau	18.	Rohit Sudhakar Wadkar
8.	Riya Suhas Bhongade	19.	Sohail Ahmed Khan
9.	Shivani Dilip Sonone	20.	Vaibhav Umashankar Ghonge
10.	Swatee Harishchandra Irache	21.	Vikas Prakash Sonone
11.	Triveni Prabhakar Wankhade		
Batch-P3			
1.	Arati Prabhakar Gole	9.	Aditya Suresh Gawande
2.	Ashwini Santosh Gadge	10.	Mayur Dnyaneshwar Mesare
3.	Diksha Sanjay Ingle	11.	Nikhil Ram Pitale
4.	Madhuri Ajabrao Mahalle	12.	Nikhil Ramdas Gite
5.	Prajakta Uttam Parate	13.	Pawan Dilip Mohod
6.	Rushali Gopal Mhaisne	14.	Prashant Vijay Waghmare
7.	Shraddha Vijay Tapare	15.	Rushikesh Raghunath Ghawat
8.	Vaishnavi Sanjay Patil	16.	Siddhant Deepak Akolkar
Batch-P4			
1.	Aafrin Riyaz Shekh	23.	Samiksha Ujval Thakare
2.	Anjali Gopal Zatale	24.	Sharaddha Sanjay Ghatol

[SSR/Criterion-II/ Teaching, Learning & Evaluation/ QIM-2.3.1]

3.	Ankita Balwant Shirsat	25.	Sneha Naval Shirsat
4.	Ashwini Mahadeo Raut	26.	Tanvi Dharma Shirsat
5.	Bharti Gajanan Sawle	27.	Vidya Jivan Bhagat
6.	Gauri Narendra Patle	28.	Yogini Ganesh Bhagat
7.	Gayatri Dilip Raut	29.	Abhay Rohidas Jadhav
8.	Gayatri Sunil Thorat	30.	Abhijit Rajesh Dhore
9.	Komal Indrabhan Gawai	31.	Abhishek Pratapsing Rathod
10.	Kshitija Jitendra Deshmukh	32.	Ajay Gajanan Nitnaware
11.	Mayuri Vijay Munde	33.	Ankit Gopal Bawaskar
12.	Mohini Sunil Rathod	34.	Ankur Sheshrao Dhoke
13.	Monali Sukhdeo Sonone	35.	Ashish Balkrushna Solanke
14.	Muskan Tabassum Mohammad	36.	Ashish Vishwanath Randale
15.	Payal Shrikrushna Deoke	37.	Jivan Sopan Korde
16.	Pooja Shridhar Kachare	38.	Mahesh Gulab Rathod
17.	Pratiksha Gulab Patond	39.	Nikhil Subhash Khelkar
18.	Priya Balkrushna Waghmare	40.	Pavan Arvind Sarap
19.	Priyanka Pandurang Khere	41.	Sanket Ravindra Gawatre
20.	Ruchita Ramesh Surwade	42.	Shashikant Vinod Ohekar
21.	Sai Vijay Bhagwat	43.	Shrikant Vijay Kangate
22.	Samiksha Suresh Dhage	44.	Sumit Samadhan Rathod
Batch-P5			
1.	Nikita Rajendra Sonawane	5.	Raghav Sarang Nibandhe
2.	Prajwal Liladhar Waghade	6.	Sahil Devanand Palaspagar
3.	Prajwal Sajjan Dhande	7.	Tushar Dinesh Patil
4.	Prem Gajanan Khanderao		
Batch-P6			
1.	Apurva Ganesh Ingle	7.	Aditya Ranjit Deshmukh
2.	Dhanashree Anil Barshe	8.	Aetesam Husain Azhar Husain
3.	Mayuree Vijay Shegokar	9.	Devesh Santosh Khandare
4.	Pooja Balasaheb Wankhade	10.	Subodh Babulal Nawale
5.	Vaishnavi Devendra Metange	11.	Sumedh Gajanan Sardar
6.	Vijaya Shantaram Vasatkar	12.	Swapnil Anil Tayade



Dr. Pradip P. Deohate

Co-ordinator

Date - 20.07.2019

Remedial Coaching Classes



Dr. Vijay D. Nanoty

Principal

Shri R.L.T. College of Science, Akola

Shri R.L.T. College of Science, Akola

NAAC Reaccredited Grade 'A' with CGPA 3.12 (3rd Cycle)

Affiliated to Sant Gadge Baba Amravati University, Amravati

**Remedial Coaching Classes for Academically Weaker Students
(SC, ST, OBC, Minority and Others)****List of Students, B.Sc.-III (Semester-V, VI)**

(Session : 2019-20)

Batch-B1			
1.	Achal Govind Masane	10.	Rushali Kishor Gawali
2.	Anjali Vinod Pawar	11.	Rushali Rameshwar Bochare
3.	Gayatri Prakash Dhande	12.	Samrudhi Sahebrao Yeutkar
4.	Kartika Jaydeep Kalne	13.	Shraddha Sudhakar Thakare
5.	Namrata Kisan Gaikwad	14.	Vaishnavi Ajabrao Labhade
6.	Pallavi Anil Kamble	15.	Vaishnavi Satish Sonwane
7.	Pallavi Santosh Shegokar	16.	Mayur Laxmanrao Yeole
8.	Pranali Anil Chopade	17.	Saurabh Shivaji Khamkar
9.	Rajnandini Rajesh Tarode		
Batch-B2			
1.	Anushree Damodhar Kalbende	10.	Sneha Arjun Wahurwagh
2.	Madhuri Sanjaykumar Narwade	11.	Vaishnavi Subhash Pawar
3.	Nikita Sanjay Modak	12.	Vaishnavi Maheshrao Shete
4.	Pallavi Mahadeo Sonone	13.	Aditya Rajendra Ade
5.	Pallavi Shrikrushna Mansute	14.	Akash Kailas Wankhade
6.	Pragati Vilis Janunkar	15.	Govind Bhaurao Andhale
7.	Rupali Sanjay Solanke	16.	Sahil Amarsingh Kakan
8.	Shruti Gajanan Kalwe	17.	Shreyas Shriram Ingle
9.	Shweta Sanjay Patil	18.	Tushar Harishchandra Rathod
Batch-B3			
1.	Aishwarya Pandurang Wakte	9.	Priyanka Nitin Chauvhan
2.	Dipali Jagannath Tayade	10.	Sakshi Sudhir Nawale
3.	Harsha Gokuldas Gawai	11.	Snehal Vitthal Raut
4.	Isha Pramod Asambe	12.	Sufiya Areeb Mohammad Fazil
5.	Neha Shivaprakash Rahate	13.	Trupti Rameshwar Nakat
6.	Nikita Bhaskar Wadje	14.	Pavan Dinkar Darmode
7.	Nikita Dattatray Avhale	15.	Rohit Gajanan Dange
8.	Priya Manohar Karale	16.	Saurabh Arvind Shegokar
Batch-B5			
1.	Aasawari Subhash Wagare	23.	Roshani Amarising Rathod
2.	Anuradha Gajanan Pohare	24.	Sakshi Bhaskar Jayale

[SSR/Criterion-II/ Teaching, Learning & Evaluation/ QIM-2.3.1]

3.	Apeksha Vijay Bagade	25.	Samiksha Uddhwarao Gawande
4.	Bhagyashree Devidas Sawarkar	26.	Savita Pandit Pawar
5.	Chanda Kailash Wankhede	27.	Sayali Ramdhan Ade
6.	Divya Gajendrasingh Chauhan	28.	Snehal Surendra Ghogare
7.	Fatema Aliasgar Patel	29.	Sonal Santosh Mhaturkar
8.	Firdous Fatema Mohd Siddiqui	30.	Sunidhi Sahadeorao Tale
9.	Jayshree Subhash Pawar	31.	Tejasvini Vasudeo Gavhale
10.	Komal Nagorao Kate	32.	Trupti Arun Rahate
11.	Komal Sudhakar Ingle	33.	Vaishnavi Ashok Tayade
12.	Manisha Vishwambhar Deokate	34.	Vaishnavi Sanjay Ingle
13.	Meghna Arun Pawar	35.	Vaishnavi Suresh Kalmegh
14.	Mukta Keshav Zatale	36.	Yashashree Lt Shivsing Daberao
15.	Nikita Laxmanrao Aghadate	37.	Yukta Babanrao Bunde
16.	Nikita Tulshidas Bargat	38.	Abhishek Jagdish Lokhande
17.	Palak Kuldeep Ingle	39.	Akash Ramkrishna Mehare
18.	Pallavi Ravindra Kirtak	40.	Ashish Sanjiv Baghewar
19.	Pooja Subhash Rathod	41.	Gopal Baldeo Zatale
20.	Pooja Vasant Waghmare	42.	Nana Dattatray Mahalle
21.	Pranita Namdeo Patil	43.	Pritesh Dinesh Vilhekar
22.	Priya Digambar Jaulkar	44.	Sagar Bhimrao Ghuge
Batch-B6			
1.	Bhagyashri Sanjay Kale	4.	Abdul Kamil Jazib Abdul Kareem
2.	Nikita Rajendra Dod	5.	Sagar Bhimrao Wankhade
3.	Shubhangi Prakash Rathod	6.	Suraj Dilip Thakare
Batch-B7			
1.	Archita Suresh Pundkar	4.	Shubham Prabhakar Wankhade
2.	Ashvini Himmat Ingle	5.	Siddhant Santosh Ingle
3.	Padma Prabhakar Divnale		
Batch-P1			
1.	Komal Nagesh Shegokar	7.	Vaishnavi Ashok Mangate
2.	Mukta Uddhaw Khandwaye	8.	Vaishnavi Jayantrao Gawande
3.	Pritichanda Keshab Mahapatra	9.	Vijaya Ramdas Tekade
4.	Priyanka Rajesh Kawalekar	10.	Rushikesh Dilipkumar Surwade
5.	Roshan Raju Ganeshpure	11.	Umesh Datta Kharat
6.	Rupali Madhukar Bopate	12.	Vikas Bhaskar Kalamb
Batch-P2			
1.	Aarti Dnyaneshwar Katore	7.	Priyanka Satish Ingole
2.	Chanda Milind Bahekar	8.	Srushti Prasad Mate
3.	Fatema Ansar Ahmed Shaikh	9.	Vaishnavi Mahesh Warhade
4.	Janhavi Yashwant Dolas	10.	Jivan Mahadav Shelke

[SSR/Criterion-II/ Teaching, Learning & Evaluation/ QIM-2.3.1]

5.	Komal Mahadeo Khond	11.	Pranav Dilip Patil
6.	Komal Jagdish Kekan	12.	Suraj Sanjay Annadate
Batch-P3			
1.	Aishwarya Suresh Tayade	6.	Yogita Janardhan Raut
2.	Namrata Vijay Girhe	7.	Akshay Rajendra Nikole
3.	Rutuja Ravindra Saraf	8.	Harinarayan Manohar Mangle
4.	Shivani Jayant Patil	9.	Rohit Raju Sule
5.	Sonal Sanjay Deokate	10.	Vishal Raju Bhilkar
Batch-P4			
1.	Bhagyashri Devedas Titur	21.	Vaishnavi Manohar Wankhade
2.	Chhaya Pradip Bhakare	22.	Vaishnavi Pralhad Akhare
3.	Damini Subhashrao Gorave	23.	Yogita Dnyaneshwar Shelke
4.	Diksha Prakash Pawar	24.	Ajinkya Prashant Deshmukh
5.	Gauri Anant Tayade	25.	Akshay Gajanan Pophale
6.	Madhavi Sharad Bondre	26.	Amit Gajanan Wankhade
7.	Manali Rameshwar Jadhav	27.	Dhiraj Gautam Sirsat
8.	Monal Nagnath Bhoje	28.	Ghanshyam Ramkrushna Raut
9.	Nikita Bhaurao Jane	29.	Mahendra Prakash Khanderao
10.	Nikita Pandurang Dhurde	30.	Mahesh Ganesh Gawande
11.	Nikita Sudhakar Thakare	31.	Mahesh Najukrao Janjal
12.	Pallavi Bhashkar Janokar	32.	Mayur Ramesh Javake
13.	Pallavi Dinesh Akhare	33.	Pranav Gajanan Kadu
14.	Pratiksha Vilas Banole	34.	Rohit Raju Awadhut
15.	Renuka Pralhadrao Akhare	35.	Rushikesh Rajiv Badode
16.	Ruchika Ghanshyam Neware	36.	Rushikesh Ulhasrao Kharate
17.	Shivani Rashtrapati Chothmal	37.	Rushikesh Vishnu Sarap
18.	Shruti Nagorao Kalmegh	38.	Sanket Sanjay Raut
19.	Shubhangi Shivdas Dhore	39.	Shaikh Shakeel Shaikh Basheer
20.	Shweta Subhash Nagre		
Batch-P5			
1.	Mayur Ganesh Kangate	3.	Vishwajit Ganesh Tidke
2.	Anup Arun Raut		
Batch-P6			
1.	Aditi Anilrao Kolhe	3.	Ishwari Rajendra Hingne
2.	Anuja Manikrao Ingle	4.	Nikhil Pravin Mankar



Dr. Pradip P. Deohate

Co-ordinator



Dr. Vijay D. Nanoty

Principal

Date - 20.07.2019

Remedial Coaching Classes

Shri R.L.T. College of Science, Akola

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Shri R.L.T. College of Science, Akola

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Remedial Coaching Classes for Academically Weaker Students (SC, ST, OBC, Minority and Others) (Online)

Dr. P. P. Deohate	(Co-ordinator)
Dr. S. M. Nagrale	(Member)
Dr. A. S. Sawarkar	(Member)
Dr. A. G. Sarap	(Member)
Mr. M. R. Ubale	(Member)

Report

(Session : 2020-21)

In order to enable the students of SC, ST, OBC and minority communities, that are in need of remedial coaching to come up to the level necessary for taking higher education successfully and to bring down their drop-out rate and failure, "Remedial Coaching Classes for SC, ST, OBC and Minorities" was started in Shri R.L.T. College of Science, Akola as per the guidelines of UGC from 1st July 2010 under the guidance of Principal Dr. Vijay D. Nanoty. From the session 2018-19, these classes were extended to other academically weaker students.

In the session 2020-21 total 408 students of B.Sc.-II and B.Sc.-III were admitted. Due to Covid-19 pandemic, actual teaching was done in the month of February-2021 and May-2021 through the online platform of Google Meet, Zoom and YouTube. Overall 26 faculty members of different departments were engaged in the teaching work for strengthening the subject knowledge, upgrading the practical skill and for improving the academic skill and conceptual understanding of the students in various subjects. The subjects covered were Botany, Chemistry, Computer Science, Electronics, Mathematics, Microbiology, Physics and Zoology.

Students were encouraged to participate in various e-workshops, webinars, online quizzes and guest lectures of eminent academicians organized by the college and other institutes to create interest and to clear the basic ideas about the subject. MCQ's, question bank, reading material, books and notes were provided to the students in pdf format. Overall coaching was carried out at departmental level on non-remunerative basis.

Dr. Pradip P. Deohate

Co-ordinator

Dr. Vijay D. Nanoty

Principal

Date - 30.06.2021

Remedial Coaching Classes

Shri R.L.T. College of Science, Akola

Shri R. L. T. College of Science, Akola

Shri R.L.T. College of Science, Akola

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Remedial Coaching Classes for Academically Weaker Students (SC, ST, OBC, Minority and Others)

(Online)

Time Table, B.Sc.-II (Semester-III, IV)

(Session : 2020-21)

Day	Time	B.Sc.-II (Sem-III)	B.Sc.-II (Sem-IV)
		February-2021	May-2021
Monday	08.00 to 09.00	BOT (VNB)	BOT (AAS)
	09.00 to 10.00	CHE (PPD)	CHE (KMH)
Tuesday	08.00 to 09.00	CPS (RBG)	CPS (RBG)
Wednesday	08.00 to 09.00	ELE (RGC)	ELE (RDC)
	09.00 to 10.00	MATH (SBT)	MATH (SLM)
Thursday	08.00 to 09.00	MCB (HSM)	MCB (SNG)
Friday	08.00 to 09.00	PHY (PPG)	PHY (SRJ)
	09.00 to 10.00	ZOO (ASS)	ZOO (SRK)
Saturday	08.00 to 09.00	CHE (VDD)	ZOO (RPJ)

Online (Google Meet, Zoom and YouTube) (Effective from 01.02.2021 and 01.05.2021)

Time Table, B.Sc.-III (Semester-V, VI)

(Session : 2020-21)

Day	Time	B.Sc.-III (Sem-V)	B.Sc.-III (Sem-VI)
		February-2021	May-2021
Monday	08.00 to 09.00	CHE (PTA)	CHE (PRK)
	09.00 to 10.00	BOT (PMK)	BOT (SVM)
Tuesday	08.00 to 09.00	ELE (RDC)	ELE (RGC)
Wednesday	08.00 to 09.00	CPS (RBG)	CPS (RBG)
	09.00 to 10.00	MCB (SNG)	MCB (HSM)
Thursday	08.00 to 09.00	MATH (SLM)	MATH (SBT)
Friday	08.00 to 09.00	ZOO (SMN)	ZOO (RLR)
	09.00 to 10.00	PHY (SRJ)	PHY (RMA)
Saturday	08.00 to 09.00	CHE (AGS)	CHE (SCZ)

Online (Google Meet, Zoom and YouTube) (Effective from 01.02.2021 and 01.05.2021)



Dr. Pradip P. Deohate

Co-ordinator



Dr. Vijay D. Nanoty

Principal

Date - 21.01.2021

Remedial Coaching Classes

Shri R.L.T. College of Science, Akola

Shri R. L. T. College of Science, Akola

Shri R.L.T. College of Science, Akola

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Remedial Coaching Classes for Academically Weaker Students

(SC, ST, OBC, Minority and Others)

(Online)

List of Teachers

(Session : 2020-21)

Sr.No.	Name of the Teacher	Subject
1.	Mrs. V. N. Badgujar	Botany
2.	Dr. P. M. Khadse	Botany
3.	Dr. A. A. Sangole	Botany
4.	Mr. S. V. Madavi	Botany
5.	Dr. P. T. Agrawal	Chemistry
6.	Dr. P. P. Deohate	Chemistry
7.	Dr. P. R. Kawle	Chemistry
8.	Dr. K. M. Heda	Chemistry
9.	Dr. A. G. Sarap	Chemistry
10.	Dr. V. D. Deotale	Chemistry
11.	Mr. S. C. Zyate	Chemistry
12.	Mr. R. B. Ghayalkar	Computer Science
13.	Mr. R. G. Chavan	Electronics
14.	Mr. R. D. Chaudhari	Electronics
15.	Dr. S. B. Tadam	Mathematics
16.	Dr. S. L. Munde	Mathematics
17.	Dr. H. S. Malpani	Microbiology
18.	Ms. S. N. Gawande	Microbiology
19.	Mr. P. P. Gedam	Physics
20.	Dr. R. M. Agrawal	Physics
21.	Mr. S. R. Jaiswal	Physics
22.	Dr. S. M. Nagrale	Zoology
23.	Dr. A. S. Sawarkar	Zoology
24.	Dr. S. R. Kohchale	Zoology
25.	Dr. R. L. Rahatgaonkar	Zoology
26.	Dr. R. P. Joshi-Sawalkar	Zoology



Dr. Pradip P. Deohate

Co-ordinator



Dr. Vijay D. Nanoty

Principal

Date - 21.01.2021

Remedial Coaching Classes

Shri R.L.T. College of Science, Akola

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Remedial Coaching Classes for Academically Weaker Students

(SC, ST, OBC, Minority and Others)

(Online)

List of Students, B.Sc.-II (Semester-III, IV)

(Session : 2020-21)

Batch-B1			
1.	Anushka Rameshwar Khande	8.	Pranjal Pramod Shirsat
2.	Gayatri Anil Tayade	9.	Samiksha Bharat Ingle
3.	Kalyani Vishnu Ingle	10.	Shrutika Shubhash Sawale
4.	Komal Ashok Korkane	11.	Sneha Siddharth Sirsat
5.	Madhavi Devidas Chavan	12.	Rushabh Gulabrao Nimborkar
6.	Mansi Sudhakar Borkar	13.	Shritej Rajesh Gawande
7.	Nayana Ramesh Wakode	14.	Yash Rajendra Patode
Batch-B2			
1.	Deepali Manohar Bargat	10.	Suvarna Anil Shitre
2.	Divya Ramdas Gawai	11.	Vaishnavi Ganesh Ingle
3.	Gauri Atul Khanzode	12.	Akshay Sanjay Adole
4.	Jyoti Shyam Pitale	13.	Divesh Gajanan Mate
5.	Manali Dhananjay Dhoran	14.	Gopal Narayan Jaitade
6.	Priyanka Gautam Ingole	15.	Mohit Ravindra Misre
7.	Sakshi Mahadeo Dhangare	16.	Parag Nilkanth Nemade
8.	Sakshi Sanjay Girhe	17.	Rushikesh Pundlik Agale
9.	Sakshi Santosh Katole		
Batch-B3			
1.	Aachal Pandurang Shahakar	12.	Sharyu Gajanan Gosavi
2.	Achal Anil Tayade	13.	Shruti Vijay Gore
3.	Chanchal Sanjay Golande	14.	Snehal Dilip Chavhan
4.	Kalyani Sanjay Ingle	15.	Vaishnavi Dashrath Waghmare
5.	Mayuri Dayalu Rathod	16.	Vaishnavi Devendra Akhare
6.	Megha Laxman Raut	17.	Vaishnavi Prashant Raut
7.	Mohini Sarjerao Thorat	18.	Vaishnavi Rameshwar Tayde
8.	Nikita Suresh Tayade	19.	Vaishnavi Ramkrushna Badarkhe
9.	Poonam Ramesh Waghmare	20.	Yogini Panjabrao Raut
10.	Priyanka Shivajirao Shirame	21.	Aniket Gajanan Raut
11.	Sakshi Dilip Nakhale	22.	Kunal Tejab Rathod

[SSR/Criterion-II/ Teaching, Learning & Evaluation/ QIM-2.3.1]

Batch-B5			
1.	Aafreen Parveen Sayyed	30.	Uzma Mahwash Khan
2.	Adiba Khatoon Khan	31.	Vaishnavi Basantrao Thorat
3.	Akanksha Gajanan Ingle	32.	Vaishnavi Kishor Waghole
4.	Ankita Pratapsing Solanke	33.	Vaishnavi Pandurang Raut
5.	Bhavana Subhash Kantale	34.	Vaishnavi Sharad Bache
6.	Dipali Gajanan Bhaltilak	35.	Vishaka Chandramani Tayade
7.	Kumud Vijay Matre	36.	Abhishek Bhaskar Surwade
8.	Meghana Dipak Kalpande	37.	Aniket Suresh Jadhal
9.	Nausheen Parveen Khan	38.	Bhushan Vishnu Gondchawar
10.	Neha Gajanan Sontakke	39.	Darshan Dattatray Khelkar
11.	Prachi Dilip Dalu	40.	Harshal Somdatt Giram
12.	Pragati Pramod Bhakre	41.	Kapil Dharmaraj Wankhade
13.	Prajakta Gajanan Lavhale	42.	Mahesh Sahebrao Rathod
14.	Pratiksha Bhagwan Bhople	43.	Nayan Tarachand Dhoke
15.	Pratiksha Sunil Pawar	44.	Prashad Santoshrao Ekade
16.	Priya Raosaheb Wahurwagh	45.	Prashant Prabhu Kale
17.	Punam Dhanraj Bhawane	46.	Pratik Sevakram Wankhade
18.	Rakhi Mahadeo Narwade	47.	Pratik Subhash Sitre
19.	Roshni Tulshiram Ambhore	48.	Ritesh Sanjay Dhanokar
20.	Rutika Ramdas Khandare	49.	Ritesh Sanjiv Hiralkar
21.	Sanskruiti Vijay Waghmare	50.	Sanket Vijayrao Dhenge
22.	Shabana Parveen Syed	51.	Saurabh Girish Gawali
23.	Shruti Ajay Sonone	52.	Shreyas Krishna Sutar
24.	Shubhangi Kailas Yadgire	53.	Shubham Santosh Masne
25.	Snehal Ramkrushna Khandare	54.	Siddharth Sahebrao Ingle
26.	Supriya Dilip Sonone	55.	Sumit Jaysing Solanke
27.	Tanaya Manoj Khandare	56.	Vishal Mahadev Andhale
28.	Tejaswini Gajanan Aglave	57.	Vishal Pundlik Chondke
29.	Twinkle Ravindra Gawai		
Batch-B6			
1.	Aachal Gajanan Donge	6.	Shruti Narayanrao Wajire
2.	Anajali Sanjay Matre	7.	Varsha Manoj Bagde
3.	Divyani Sanjay Khandare	8.	Digvijay Ram Kamble
4.	Kalyani Sunil Puri	9.	Mayur Rajendra Mhaisane
5.	Pooja Raju Ingle	10.	Vaibhav Ravidra Thorat
Batch-B7			
1.	Gauri Kailas Gayki	4.	Vaishnavi Keshav Ingle
2.	Sejal Rajendra Wahurwagh	5.	Vaishnavi Ravindra Thorat
3.	Sukhada Vilas Andhare	6.	Vaishnavi Santosh Khandare

[SSR/Criterion-II/ Teaching, Learning & Evaluation/ QIM-2.3.1]

Batch-P1			
1.	Aishwarya Ashok Tayade	6.	Amar Chandrabhan Khandare
2.	Damini Ganesh Wankhade	7.	Kunal Arvind Kirote
3.	Gauri Ramesh Yenkar	8.	Kunal Kailas Khandare
4.	Pragati Lakshman Mhasal	9.	Mayur Uttamrao Chavan
5.	Aditya Manik Wahurwagh		
Batch-P2			
1.	Asmita Pradip Khandare	8.	Sujata Kishor Nichal
2.	Kshiteeja Santosh Nakat	9.	Vaishnavi Sunil Taram
3.	Neha Suresh Chandan	10.	Vaishnavi Shyam Chavan
4.	Prachi Kisan Chavhan	11.	Vaishnavi Uddhav Puri
5.	Prajakta Subhash Dhurde	12.	Ajay Subhash Wankhade
6.	Pranjali Rajesh Wahurwagh	13.	Pranay Yogesh Kamble
7.	Prerna Nitin Kukade	14.	Utkarsh Gajanan Wankhade
Batch-P3			
1.	Anjali Tejrao Tayade	8.	Ankit Ulhas Ingle
2.	Ankita Umesh Gote	9.	Nikhil Anil Kute
3.	Bharti Manohar Kalinge	10.	Nikhil Dinkar Raut
4.	Priyanka Narendra Khete	11.	Sanket Santosh Nagre
5.	Ragini Sanjay Khandare	12.	Swapnil Ramesh Londe
6.	Shraddha Chandravachan Kharat	13.	Tejas Sanjay Patange
7.	Vishakha Ramesh Lokhande		
Batch-P4			
1.	Akansha Umesh Ingle	18.	Sanjana Sunil Kamle
2.	Ankita Digambar Sonone	19.	Shivani Naresh Surwade
3.	Anuja Raju Ingle	20.	Shraddha Bhagwan Ghogare
4.	Dipali Gajanan Ingle	21.	Srushti Amol Wahurwagh
5.	Gauri Subhash Shegokar	22.	Vaishnavi Pandari Chavhan
6.	Gauri Sunil Khadse	23.	Vaishnavi Ajabrao Katkhede
7.	Hetal Jitendra Jadav	24.	Atharv Suresh Bhojane
8.	Komal Vikas Dangat	25.	Hrishikesh Shrikrishna Mankar
9.	Mayuri Vijay Thakare	26.	Kunal Prakash Chondke
10.	Nikita Mangesh Tayade	27.	Nilesh Ramesh Shirsat
11.	Pratibha Suresh Swarge	28.	Om Vinayak Shelar
12.	Prerana Subhash More	29.	Prathamesh Vinod Bende
13.	Priyanka Namdeo Sirsat	30.	Ramkumar Ambadas Rathod
14.	Priyanka Vijay Nidhane	31.	Sagar Ramchandra Chandan
15.	Rohini Devidas Chavan	32.	Sanket Gajanan Kadam
16.	Rupali Haridas Laudkar	33.	Sanket Mohan Tayade
17.	Sakshi Mahesh Tikar	34.	Swapnil Ratnadip Wankhade

[SSR/Criterion-II/ Teaching, Learning & Evaluation/ QIM-2.3.1]

Batch-P5			
1.	Rani Subhash Zarkhande	4.	Govind Ankush Likhe
2.	Sweety Sanjay Wankahde	5.	Suyog Shankar Ingole
3.	Akshay Mohanrao Ghule		
Batch-P6			
1.	Asmita Yogendra Ambhore	4.	Anand Parameshwar Bhakare
2.	Pooja Prakash Ingle	5.	Shantanu Shivdas Zakarde
3.	Puja Gajanan Podhade	6.	Tanmay Anil Bonde



Dr. Pradip P. Deohate

Co-ordinator

Date - 21.01.2021

Remedial Coaching Classes



Dr. Vijay D. Nanoty

Principal

Shri R.L.T. College of Science, Akola

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NAAC Reaccredited Grade 'A' with CGPA 3.12 (3rd Cycle)

Affiliated to Sant Gadge Baba Amravati University, Amravati

Remedial Coaching Classes for Academically Weaker Students

(SC, ST, OBC, Minority and Others)

(Online)

List of Students, B.Sc.-III (Semester-V, VI)

(Session : 2020-21)

Batch-B1			
1.	Apurva Gajanan Manatkar	7.	Radhika Rajesh Gawali
2.	Bhagyashri Sunil Kawale	8.	Vaishnavi Vishnu Jamkar
3.	Kalyani Arun Tayde	9.	Vaishnavi Anil Nimje
4.	Kshitija Dipak Shirsat	10.	Vaishnavi Sadashiv Awhale
5.	Pragati Satish Kalne	11.	Abhijeet Prashant Sayre
6.	Priti Pradip Wankhade	12.	Nayan Anant Wawge
Batch-B2			
1.	Geeta Sunil Vilhekar	9.	Shrutika Gopalrao Dalvi
2.	Kanchan Suresh Deole	10.	Snehal Sudhir Lade
3.	Megha Digambar Khadase	11.	Vaishnavi Damodhar Ramekar
4.	Pooja Ratan Waghmare	12.	Vaishnavi Murlidhar Katkhede
5.	Pragati Rajesh Karale	13.	Vaishnavi Vilasrao Khumkar
6.	Priya Rajesh Raut	14.	Devanshu Vilas Raut
7.	Sapna Vinayakrao Waghmare	15.	Parikshit Ashok Potdukhe
8.	Sayali Anil Wakhare	16.	Vishvajitsing Shivsing Daberao
Batch-B3			
1.	Chaitali Sanjay Palaspagar	10.	Rushali Gajanan Gawai
2.	Divyani Ganesh Mulatkar	11.	Samruddhi Shailesh Fokmare
3.	Gargi Dilip Sirsat	12.	Suchita Pramod Vanjari
4.	Kshitija Nagorao Markad	13.	Vaibhavi Bharat Tople
5.	Madhuri Vilas Sonune	14.	Vaishnavi Shivdas Dhore
6.	Manisha Rajkumar Jumale	15.	Vaishnavi Sunil Tayde
7.	Manisha Subhash Bhonde	16.	Piyush Subhash Wankhade
8.	Mayuri Gajendra Rathod	17.	Pratik Kailas Kate
9.	Piyusha Rajesh Rathod	18.	Pravin Prakash Nage
Batch-B5			
1.	Aarti Anil Dhoke	31.	Shraddha Rajesh Sontakke
2.	Aarti Sohan Mundhe	32.	Shubhangi Haribhau Tapare
3.	Aishwarya Sunil Sonone	33.	Snehal Gajanan Soratkar

[SSR/Criterion-II/ Teaching, Learning & Evaluation/ QIM-2.3.1]

4.	Akanksha Ajabrao Ingle	34.	Sonali Raju Baghe
5.	Ashwini Narendra Tayade	35.	Sonali Ramesh Dhurve
6.	Devika Nilesh Pathar	36.	Suvarana Kundalik Thakare
7.	Divya Nandkishor Wahurwagh	37.	Vaishnavi Angadrao Andhale
8.	Harshali Vilas Neware	38.	Vaishnavi Devidas Dongre
9.	Jagruti Pravin Tayade	39.	Vaishnavi Dilip Bhivate
10.	Jaya Narayan Bhaltlak	40.	Vaishnavi Shyamsundar Ingle
11.	Jyotsna Arjun Chavan	41.	Vrushali Sunil Dewale
12.	Kajal Sunil Wankhade	42.	Amar Dipak Dongare
13.	Kalyani Ramesh Ingle	43.	Dinesh Dilip Bhagat
14.	Mohini Mukundrao Gorge	44.	Ganesh Atmaram Tiwale
15.	Neha Rajesh Kawalekar	45.	Gaurav Bhimrao Wankhade
16.	Prachi Ravindra Dere	46.	Kunal Sanjay Raut
17.	Pragati Devrao Kawar	47.	Mangesh Mohan Kalamb
18.	Pranita Pramod Sontakke	48.	Nirmal Sahebrao Tayade
19.	Priti Shrikrushna Sirsat	49.	Omprakash Ganesh Tambade
20.	Priti Sudhir Ingle	50.	Pavan Ramkrushna Ingle
21.	Priya Gopal Wahurwagh	51.	Raman Samadhan Rathod
22.	Priya Prakash Khandare	52.	Rushabh Rajendra Ingole
23.	Punam Mohan Raut	53.	Sachin Shankar Atkar
24.	Ranubai Nagorao Chikte	54.	Sameer Sunil Patil
25.	Rupali Dadarao Surwade	55.	Sangam Vilas Ambhore
26.	Saba Parveen Shaikh	56.	Shubham Anantrao Tikar
27.	Sakshi Sanjay Ingle	57.	Swapnil Puran Ingle
28.	Sanchita Sanjay Ingle	58.	Vikram Shivdas Mahakale
29.	Sanjana Prakash Ingle	59.	Vishal Ramrao Janjal
30.	Shalaka Sanjay Ambhore		
Batch-B6			
1.	Kanchan Vinod Ingle	4.	Kunal Mahendra Shirsat
2.	Shraddha Babarao Sable	5.	Mangalkumar Gajanan Mawale
3.	Sneha Vijay Wadate	6.	Mayur Vinod Tayade
Batch-B7			
1.	Ruchita Ganesh Bawaskar	4.	Vaishnavi Rajesh Dadgal
2.	Shivani Gangadhar Ingle	5.	Prathamesh Bhaskar Ganjare
3.	Vaishnavi Gajanan Gadge		
Batch-P1			
1.	Manisha Mahadeo Awachar	5.	Vaishnavi Gopal Sontakke
2.	Prerna Sharad Gedam	6.	Vaishnavi Sunil Ingle
3.	Vaishali Sanjay Sontakke	7.	Vikas Jagdish Gawai
4.	Vaishali Vinayak Chopade	8.	Vipul Vinayakrao Katkhede

[SSR/Criterion-II/ Teaching, Learning & Evaluation/ QIM-2.3.1]

Batch-P2			
1.	Ashwini Kishor Gaikwad	7.	Chetan Vilas Kale
2.	Mrunali Gajanan Wawge	8.	Gopal Ramdas Kokane
3.	Pranali Shekhar Hedau	9.	Rohit Sagar Keche
4.	Sakshi Rajesh Sontakke	10.	Vaibhav Umashankar Ghonge
5.	Vrushali Surendra Ingle	11.	Vikas Prakash Sonone
6.	Bhushan Vilas Gawai		
Batch-P3			
1.	Diksha Sanjay Ingle	6.	Mayur Dnyaneshwar Mesare
2.	Prajakta Uttam Parate	7.	Nikhil Ramdas Gite
3.	Rushali Gopal Mhaisne	8.	Prashant Vijay Waghmare
4.	Shraddha Vijay Tapare	9.	Rushikesh Pralhadrao Dhore
5.	Shubhangi Dilip Matre	10.	Rushikesh Raghunath Ghawat
Batch-P4			
1.	Anjali Gopal Zatale	23.	Vaishnavi Vinod Ninghot
2.	Ankita Balwant Shirsat	24.	Vidya Jivan Bhagat
3.	Arti Ramesh Gayki	25.	Yogini Ganesh Bhagat
4.	Gauri Narendra Patle	26.	Abhijit Rajesh Dhore
5.	Gayatri Sunil Thorat	27.	Ajay Gajanan Nitnaware
6.	Ketki Sanjay Ingle	28.	Ankit Gopal Bawaskar
7.	Komal Indrabhan Gawai	29.	Ankur Sheshrao Dhoke
8.	Mayuri Vijay Munde	30.	Ashutosh Anil Solanke
9.	Monali Sukhdeo Sonone	31.	Dipankar Rajendra Telgote
10.	Neha Bhimarao Charate	32.	Gaurav Gajanan Dhole
11.	Pooja Shridhar Kachare	33.	Jivan Sopan Korde
12.	Pragati Jaydrath Kankal	34.	Mahesh Gulab Rathod
13.	Pranali Sanjay Shirsat	35.	Sanket Haridas Raut
14.	Priyanka Rajesh Khandare	36.	Shashikant Vinod Ohekar
15.	Ruchita Ramesh Surwade	37.	Shivam Vilasrao Mate
16.	Rupali Sanjay Chavan	38.	Shrikant Vijay Kangate
17.	Samiksha Ujval Thakare	39.	Sumit Samadhan Rathod
18.	Sharaddha Sanjay Ghatol	40.	Suraj Manohar Mandase
19.	Shraddha Vijay Ghatre	41.	Suraj Vijay Matre
20.	Sneha Naval Shirsat	42.	Swapnil Sominath Murtadkar
21.	Tanvi Dharma Shirsat	43.	Vaibhav Shridhar Tewale
22.	Vaishnavi Kishor Jadhav		
Batch-P5			
1.	Nikita Rajendra Sonawane	4.	Sahil Devanand Palaspagar
2.	Prajwal Sajjan Dhande	5.	Vaibhav Vikas Sulkar
3.	Prem Gajanan Khanderao		

[SSR/Criterion-II/ Teaching, Learning & Evaluation/ QIM-2.3.1]

Batch-P6			
1.	Apurva Ganesh Ingle	5.	Deepak Sevakram Wahile
2.	Mayuree Vijay Shegokar	6.	Devesh Santosh Khandare
3.	Pallavi Gopal Kakad	7.	Prashik Himmat Dandi
4.	Pooja Balasaheb Wankhade	8.	Swapnil Anil Tayade



Dr. Pradip P. Deohate

Co-ordinator

Date - 21.01.2021

Remedial Coaching Classes



Dr. Vijay D. Nanoty

Principal

Shri R.L.T. College of Science, Akola

The Berar General Education Society's

Shri R.L.T. College of Science, Akola

NAAC Reaccredited Grade 'A' with CGPA 3.12 (3rd Cycle)
Affiliated to Sant Gadge Baba Amravati University, Amravati



Remedial Coaching Classes for Academically Weaker Students (SC, ST, OBC, Minority and Others) (Online/Offline)

Dr. P. P. Deohate	(Co-ordinator)
Dr. S. M. Nagrale	(Member)
Dr. A. S. Sawarkar	(Member)
Dr. A. G. Sarap	(Member)
Mr. M. R. Ubale	(Member)

Report

(Session : 2021-22)

In order to enable the students of SC, ST, OBC and minority communities, that are in need of remedial coaching to come up to the level necessary for taking higher education successfully and to bring down their drop-out rate and failure, "Remedial Coaching Classes for SC, ST, OBC and Minorities" was started in Shri R.L.T. College of Science, Akola as per the guidelines of UGC from 1st July 2010 under the guidance of Principal Dr. Vijay D. Nanoty. From the session 2018-19, these classes were extended to other academically weaker students.

In the session 2021-22 total 330 students of B.Sc.-II and B.Sc.-III were admitted. Actual teaching was started from 15th October 2021, initially through the online platform of Google Meet, Zoom, YouTube and then after by conducting offline classes. From 8 departments, total 26 faculty members were engaged in the teaching work for strengthening the subject knowledge, upgrading the practical skill and for improving the academic skill and conceptual understanding of the students in various subjects. The subjects covered were Botany, Chemistry, Computer Science, Electronics, Mathematics, Microbiology, Physics and Zoology.

MCQ's, question bank, reading material, books and notes were provided to the students in pdf format and also in the form of printed material. Students were encouraged to participate in various workshops/e-workshops, seminars/webinars, online quizzes and lectures of eminent personalities organized by the college as well as other institutions. Overall coaching was carried out at departmental level on non-remunerative basis.

Dr. Pradip P. Deohate

Co-ordinator

Dr. Vijay D. Nanoty

Principal

Date - 31.05.2022

Remedial Coaching Classes

Shri R.L.T. College of Science, Akola

Shri R. L. T. College of Science, Akola

Shri R.L.T. College of Science, Akola

NAAC Reaccredited Grade 'A' with CGPA 3.12 (3rd Cycle)
Affiliated to Sant Gadge Baba Amravati University, Amravati

Remedial Coaching Classes for Academically Weaker Students

(SC, ST, OBC, Minority and Others)

(Online/Offline)

Time Table, B.Sc.-II (Semester-III, IV)

(Session : 2021-22)

Day	Time	B.Sc.-II (Sem-III)	B.Sc.-II (Sem-IV)
		Oct-2021 to Jan-2022	Mar-2022 to May-2022
Monday	08.00 to 09.00	CHE (PPD)	CHE (KMH)
	09.00 to 10.00	BOT (VNB)	BOT (AAS)
Tuesday	08.00 to 09.00	ELE (RGC)	ELE (RDC)
Wednesday	08.00 to 09.00	CPS (RBG)	CPS (RBG)
	09.00 to 10.00	MCB (HSM)	MCB (SNG)
Thursday	08.00 to 09.00	MATH (SBT)	MATH (SLM)
Friday	08.00 to 09.00	ZOO (ASS)	ZOO (SRK)
	09.00 to 10.00	PHY (PPG)	PHY (SRJ)
Saturday	08.00 to 09.00	CHE (VDD)	ZOO (RPJ)

Online (Google Meet, Zoom and YouTube) (Effective from 15.10.2021 and 01.03.2022)

Room No. - 15

Time Table, B.Sc.-III (Semester-V, VI)

(Session : 2021-22)

Day	Time	B.Sc.-III (Sem-V)	B.Sc.-III (Sem-VI)
		Oct-2021 to Jan-2022	Mar-2022 to May-2022
Monday	08.00 to 09.00	BOT (PMK)	BOT (SVM)
	09.00 to 10.00	CHE (PTA)	CHE (PRK)
Tuesday	08.00 to 09.00	CPS (RBG)	CPS (RBG)
Wednesday	08.00 to 09.00	ELE (RDC)	ELE (RGC)
	09.00 to 10.00	MATH (SLM)	MATH (SBT)
Thursday	08.00 to 09.00	MCB (SNG)	MCB (HSM)
Friday	08.00 to 09.00	PHY (SRJ)	PHY (RMA)
	09.00 to 10.00	ZOO (SMN)	ZOO (RLR)
Saturday	08.00 to 09.00	CHE (AGS)	CHE (SCZ)

Online (Google Meet, Zoom and YouTube) (Effective from 15.10.2021 and 01.03.2022)

Room No. - 16



Dr. Pradip P. Deohate

Co-ordinator



Dr. Vijay D. Nanoty

Principal

Date - 04.10.2021

Remedial Coaching Classes

Shri R.L.T. College of Science, Akola

Shri R. L. T. College of Science, Akola

Shri R.L.T. College of Science, Akola

NAAC Reaccredited Grade 'A' with CGPA 3.12 (3rd Cycle)
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Remedial Coaching Classes for Academically Weaker Students

(SC, ST, OBC, Minority and Others)

(Online/Offline)

List of Teachers

(Session : 2021-22)

Sr.No.	Name of the Teacher	Subject
1.	Mrs. V. N. Badgujar	Botany
2.	Dr. P. M. Khadse	Botany
3.	Dr. A. A. Sangole	Botany
4.	Mr. S. V. Madavi	Botany
5.	Dr. P. T. Agrawal	Chemistry
6.	Dr. P. P. Deohate	Chemistry
7.	Dr. P. R. Kawle	Chemistry
8.	Dr. K. M. Heda	Chemistry
9.	Dr. A. G. Sarap	Chemistry
10.	Dr. V. D. Deotale	Chemistry
11.	Mr. S. C. Zyate	Chemistry
12.	Mr. R. B. Ghayalkar	Computer Science
13.	Mr. R. G. Chavan	Electronics
14.	Mr. R. D. Chaudhari	Electronics
15.	Dr. S. B. Tadam	Mathematics
16.	Dr. S. L. Munde	Mathematics
17.	Dr. H. S. Malpani	Microbiology
18.	Ms. S. N. Gawande	Microbiology
19.	Mr. P. P. Gedam	Physics
20.	Dr. R. M. Agrawal	Physics
21.	Mr. S. R. Jaiswal	Physics
22.	Dr. S. M. Nagrale	Zoology
23.	Dr. A. S. Sawarkar	Zoology
24.	Dr. S. R. Kohchale	Zoology
25.	Dr. R. L. Rahatgaonkar	Zoology
26.	Dr. R. P. Joshi-Sawalkar	Zoology



Dr. Pradip P. Deohate

Co-ordinator



Dr. Vijay D. Nanoty

Principal

Date - 04.10.2021

Remedial Coaching Classes

Shri R.L.T. College of Science, Akola

Shri R. L. T. College of Science, Akola

Shri R.L.T. College of Science, Akola

NAAC Reaccredited Grade 'A' with CGPA 3.12 (3rd Cycle)

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Remedial Coaching Classes for Academically Weaker Students

(SC, ST, OBC, Minority and Others)

(Online/Offline)

List of Students, B.Sc.-II (Semester-III, IV)

(Session : 2021-22)

Batch-B1			
1.	Jyoti Devidas Dangate	7.	Vaishnavi Shivadas Sarse
2.	Kiran Tilak Jadhao	8.	Harshdeep Gajanan Kamble
3.	Rajvi Vijay Gawai	9.	Nagsen Indravijay Jamnik
4.	Rasika Prakash Tapre	10.	Rutwik Anil Dhore
5.	Sakshi Gajanan Shelke	11.	Sumedh Jagan Surushe
6.	Shweta Gajanan Karale		
Batch-B2			
1.	Aarti Avinash Nakat	8.	Sakshi Raju Raut
2.	Dipti Rajesh Uke	9.	Samiksha Chandravijay Jamnik
3.	Jagruti Navinchandra Banot	10.	Shruti Sudhir Shejole
4.	Mahek Parveen Mohd.	11.	Karan Gajanan Chavhan
5.	Mayuri Pramod Wanare	12.	Pankajkumar Shivkumar Yadav
6.	Mrunal Shyam Tayade	13.	Pushpak Deepak Ingole
7.	Nabila Firdous Yusuf Shah	14.	Ritesh Vikas Sulkar
Batch-B3			
1.	Akanksha Rameshwar Shegokar	9.	Priyanka Sanjay Varthe
2.	Amina Anjum Zerab Shaikh	10.	Sadiya Parveen Mohd.
3.	Anushka Dinesh Tayade	11.	Shital Dinkar Khandare
4.	Harshali Sitaram Jadhao	12.	Shreya Mangesh Loute
5.	Juhi Vinod Sarag	13.	Pranay Sandeep Rathod
6.	Juvairiya Sadiya Nasir Khan	14.	Shantanu Sunilrao Wawage
7.	Maseera Firdous Ijaz Khan	15.	Sharad Vijay Shirsat
8.	Mehwash Jabeen S. Naziruddin		
Batch-B5			
1.	Ankita Dinesh Sultane	28.	Shrutika Sadashiv Kogade
2.	Arpita Ramesh Lataye	29.	Tejasvini Nagorao Darokar
3.	Ashwini Prakash Bochare	30.	Tejasvini Gajanan Walivkar
4.	Gauri Ramkrushna Lahole	31.	Uzma Saher Jamil Khan Khan
5.	Gauri Mahadev Ingle	32.	Vaishnavi Dipak Ujade

[SSR/Criterion-II/ Teaching, Learning & Evaluation/ QIM-2.3.1]

6.	Gayatri Atul Wange	33.	Vaishnavi Bhagwan Lawale
7.	Gayatri Keshao Masane	34.	Vaishnavi Satish Bhalerao
8.	Kalyani Mahadev Jawalkar	35.	Vaishnavi Sanjay Ingole
9.	Komal Mahadeo Zatale	36.	Veena Pravin Bansod
10.	Komal Pramod Gawande	37.	Abhijeet Vinayak Ingle
11.	Madhuri Bhashkar Dhangekar	38.	Aditya Sudhakar Yewale
12.	Manju Gajanan Wahurwagh	39.	Akshay Dilip Khodake
13.	Mohini Gajanan Kakad	40.	Amardeep Santosh Band
14.	Nadiya Firdous Mohammad Iqbal	41.	Anand Dipak Dongare
15.	Narayani Dinesh Sonone	42.	Ashwin Santosh Lalde
16.	Neha Kishor Gawai	43.	Chetan Santosh Vilhekar
17.	Nikita Pramod Vanjari	44.	Dhiraj Shahaji Sardar
18.	Pradnya Pramod Dongare	45.	Gaurav Laxman Donge
19.	Riddhi Sanju Dhoran	46.	Harshal Devidas Ghode
20.	Rutuja Sudhakar Badhe	47.	Krushnakant Babarao Wande
21.	Sakshi Anil Bhagat	48.	Om Nandkishor Kangate
22.	Samreen Firdous Shaikh Sadique	49.	Rohit Devanand Khillare
23.	Samruddhi Deepak Arulkar	50.	Shantanu Suresh Honale
24.	Sana Firdous Mushtaque Khan	51.	Shrikant Rajendra Gawali
25.	Sangita Duryodhan Manwar	52.	Sumit Raju Dhengle
26.	Sayali Dasharath Shelke	53.	Vishwas Shailesh Lokhande
27.	Sayali Santosh Kandarkar		
Batch-B6			
1.	Ankita Vishnu Bagde	4.	Manish Raju More
2.	Gayatri Rajesh Barate	5.	Romil Vilas Tayade
3.	Komal Gajanan Doke		
Batch-B7			
1.	Dipali Mohan Surwade	3.	Abhinav Eknath Khandare
2.	Kajal Sureshrao Mohature	4.	Ram Dilip Dhore
Batch-P1			
1.	Madhuri Ravindra Gawai	4.	Pratiksha Rambhau Tayade
2.	Meenakshi Nilkanth Ingle	5.	Kushal Namdeo Raut
3.	Prajakta Ramkrushna Khandare	6.	Pratik Prakash Bayaskar
Batch-P2			
1.	Puja Shankar Wadhe	4.	Piyush Dhanraj Khandare
2.	Rutika Pradip Dhawane	5.	Shaikh Irshad Shaikh Nisar
3.	Manav Sanjay Sonone	6.	Utkarsh Rajendra Damodar
Batch-P3			
1.	Pooja Nandkishor Mohanik	5.	Shantanu Vinod Tuljapure
2.	Shivani Dilip Matre	6.	Shivam Chandrakant Lakhe

[SSR/Criterion-II/ Teaching, Learning & Evaluation/ QIM-2.3.1]

3.	Akshay Vinod Athawale	7.	Shreyas Ravindra Jamodkar
4.	Dnyaneshwar Manikrao Kankale	8.	Sumedh Babarao Dongre
Batch-P4			
1.	Anuja Vilas Banole	12.	Sanjana Dipak Sirsat
2.	Gayatri Ulhas Wagh	13.	Shruti Mohan Tayade
3.	Grishma Girish Wankhede	14.	Sujata Sanjay Gondchawar
4.	Hrutuja Ajay Yekhande	15.	Tejaswini Vijay Ambhore
5.	Kanchan Rajesh Dhurandhar	16.	Vrushali Ravi Wankhade
6.	Komal Amol Wahurwagh	17.	Abhishek Manoj Awagan
7.	Payal Shivaji Ghuge	18.	Akshay Uttam Nikhade
8.	Pooja Gajanan Pawar	19.	Aniket Gajanan Kambale
9.	Ravina Anil Tivale	20.	Avinash Sudhakar Tayade
10.	Sakshi Vinayak Vairale	21.	Bhavik Pramod Waghmare
11.	Samiksha Ambadas Shitre		
Batch-P5			
1.	Gauri Vinod Paturkar	4.	Suraj Kailas Aghadate
2.	Samiksha Rajesh Amode	5.	Yash Sandip Waghmare
3.	Hariom Dattatray Yenkar		
Batch-P6			
1.	Mrunal Kishor Sapdhare	4.	Darshan Avinash Wankhade
2.	Pranali Ajay Gawai	5.	Shaikh Ashraf Shaikh Hanif
3.	Vaishnavi Nitin Mhaisane	6.	Vipul Gajanan Girhe



Dr. Pradip P. Deohate

Co-ordinator

Date - 04.10.2021

Remedial Coaching Classes



Dr. Vijay D. Nanoty

Principal

Shri R.L.T. College of Science, Akola

Shri R.L.T. College of Science, Akola

NAAC Reaccredited Grade 'A' with CGPA 3.12 (3rd Cycle)

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Remedial Coaching Classes for Academically Weaker Students

(SC, ST, OBC, Minority and Others)

(Online/Offline)

List of Students, B.Sc.-III (Semester-V, VI)

(Session : 2021-22)

Batch-B1			
1.	Gayatri Anil Tayade	8.	Shrutika Shubhash Sawale
2.	Kalyani Vishnu Ingle	9.	Sneha Siddharth Sirsat
3.	Komal Ashok Korkane	10.	Rushabh Gulabrao Nimborkar
4.	Madhavi Devidas Chavan	11.	Shritej Rajesh Gawande
5.	Nayana Ramesh Wakode	12.	Sudip Manik Bhojar
6.	Pranjal Pramod Shirsat	13.	Yash Rajendra Patode
7.	Samiksha Bharat Ingle		
Batch-B2			
1.	Divya Ramdas Gawai	7.	Suvarna Anil Shitre
2.	Gauri Atul Khanzode	8.	Vaishnavi Ganesh Ingle
3.	Jyoti Shyam Pitale	9.	Divesh Gajanan Mate
4.	Manali Dhananjay Dhoran	10.	Gopal Narayan Jaitade
5.	Priyanka Gautam Ingole	11.	Parag Nilkanth Nemade
6.	Sakshi Mahadeo Dhangare	12.	Rushikesh Pundlik Agale
Batch-B3			
1.	Aachal Pandurang Shahakar	10.	Snehal Dilip Chavhan
2.	Achal Anil Tayade	11.	Vaishnavi Dashrath Waghmare
3.	Chanchal Sanjay Golande	12.	Vaishnavi Prashant Raut
4.	Kalyani Sanjay Ingle	13.	Vaishnavi Rameshwar Tayde
5.	Megha Laxman Raut	14.	Yogini Panjabrao Raut
6.	Mohini Sarjerao Thorat	15.	Akshay Eknath Rode
7.	Poonam Ramesh Waghmare	16.	Aniket Gajanan Raut
8.	Priyanka Shivajirao Shirame	17.	Om Raju Sarap
9.	Sakshi Dilip Nakhale		
Batch-B5			
1.	Aafreen Parveen Sayyed	25.	Uzma Mahwash Khan
2.	Adiba Khatoon Khan	26.	Vaishnavi Basantrao Thorat
3.	Akanksha Gajanan Ingle	27.	Vaishnavi Kishor Waghole
4.	Bhavana Subhash Kantale	28.	Vaishnavi Sharad Bache

[SSR/Criterion-II/ Teaching, Learning & Evaluation/ QIM-2.3.1]

5.	Kumud Vijay Matre	29.	Vishaka Chandramani Tayade
6.	Meghana Dipak Kalpande	30.	Abhishek Bhaskar Surwade
7.	Nausheen Parveen Khan	31.	Darshan Dattatray Khelkar
8.	Neha Gajanan Sontakke	32.	Harshal Somdatt Giram
9.	Pragati Pramod Bhakre	33.	Kapil Dharmaraj Wankhade
10.	Prajakta Gajanan Lavhale	34.	Mahesh Sahebrao Rathod
11.	Pratiksha Sunil Pawar	35.	Nayan Tarachand Dhoke
12.	Priya Raosaheb Wahurwagh	36.	Prashad Santoshrao Ekade
13.	Punam Dhanraj Bhawane	37.	Prashant Prabhu Kale
14.	Rakhi Mahadeo Narwade	38.	Pratik Sevakram Wankhade
15.	Roshni Tulshiram Ambhore	39.	Pratik Subhash Sitre
16.	Rutika Ramdas Khandare	40.	Ritesh Sanjay Dhanokar
17.	Sanskriti Vijay Waghmare	41.	Sanket Vijayrao Dhenge
18.	Shabana Parveen Syed	42.	Saurabh Girish Gawali
19.	Shruti Ajay Sonone	43.	Shreyas Krishna Sutar
20.	Snehal Ramkrushna Khandare	44.	Shubham Santosh Masne
21.	Supriya Dilip Sonone	45.	Siddharth Sahebrao Ingle
22.	Tanaya Manoj Khandare	46.	Sumit Jaysing Solanke
23.	Tejaswini Gajanan Aglave	47.	Vishal Mahadev Andhale
24.	Twinkle Ravindra Gawai	48.	Vishal Pundlik Chondke
Batch-B6			
1.	Aachal Gajanan Donge	6.	Shruti Narayanrao Wajire
2.	Anajali Sanjay Matre	7.	Varsha Manoj Bagde
3.	Divyani Sanjay Khandare	8.	Digvijay Ram Kamble
4.	Kalyani Sunil Puri	9.	Mayur Rajendra Mhaisane
5.	Pooja Raju Ingle		
Batch-B7			
1.	Gauri Kailas Gayki	4.	Vaishnavi Keshav Ingle
2.	Sejal Rajendra Wahurwagh	5.	Vaishnavi Ravindra Thorat
3.	Sukhada Vilas Andhare	6.	Vaishnavi Santosh Khandare
Batch-P1			
1.	Aishwarya Ashok Tayade	5.	Aditya Manik Wahurwagh
2.	Damini Ganesh Wankhade	6.	Amar Chandrabhan Khandare
3.	Gauri Ramesh Yenkar	7.	Kunal Arvind Kirote
4.	Pragati Lakshman Mhasal	8.	Kunal Kailas Khandare
Batch-P2			
1.	Asmita Pradip Khandare	8.	Vaishnavi Sunil Taram
2.	Kshiteeja Santosh Nakat	9.	Vaishnavi Shyam Chavan
3.	Neha Suresh Chandan	10.	Vaishnavi Uddhav Puri
4.	Prajakta Subhash Dhurde	11.	Ajay Subhash Wankhade

[SSR/Criterion-II/ Teaching, Learning & Evaluation/ QIM-2.3.1]

5.	Pranjali Rajesh Wahurwagh	12.	Pranay Yogesh Kamble
6.	Prerna Nitin Kukade	13.	Utkarsh Gajanan Wankhade
7.	Sujata Kishor Nichal		
Batch-P3			
1.	Anjali Tejrao Tayade	7.	Ankit Ulhas Ingle
2.	Ankita Umesh Gote	8.	Nikhil Anil Kute
3.	Bharti Manohar Kalinge	9.	Nikhil Dinkar Raut
4.	Priyanka Narendra Khete	10.	Sanket Santosh Nagre
5.	Ragini Sanjay Khandare	11.	Swapnil Ramesh Londe
6.	Shraddha Chandravachan Kharat	12.	Tejas Sanjay Patange
Batch-P4			
1.	Akansha Umesh Ingle	15.	Srushti Amol Wahurwagh
2.	Ankita Digambar Sonone	16.	Vaishnavi Pandari Chavhan
3.	Dipali Gajanan Ingle	17.	Vaishnavi Ajabrao Katkhede
4.	Gauri Subhash Shegokar	18.	Atharv Suresh Bhojane
5.	Hetal Jitendra Jadav	19.	Hrishikesh Shrikrishna Mankar
6.	Komal Vikas Dangat	20.	Kunal Prakash Chondke
7.	Nikita Mangesh Tayade	21.	Nilesh Ramesh Shirsat
8.	Pratibha Suresh Swarge	22.	Om Vinayak Shelar
9.	Prerana Subhash More	23.	Prathamesh Vinod Bende
10.	Priyanka Namdeo Sirsat	24.	Ramkumar Ambadas Rathod
11.	Rupali Haridas Laudkar	25.	Sagar Ramchandra Chandan
12.	Sakshi Mahesh Tikar	26.	Sanket Mohan Tayade
13.	Sanjana Sunil Kamle	27.	Shree Anil Barshe
14.	Shraddha Bhagwan Ghogare	28.	Tarun Rajesh Kanojiya
Batch-P5			
1.	Rani Subhash Zarkhande	3.	Akshay Mohanrao Ghule
2.	Sweety Sanjay Wankahde	4.	Govind Ankush Likhe
Batch-P6			
1.	Gauri Sanjay Wakode	4.	Anand Parameshwar Bhakare
2.	Pooja Prakash Ingle	5.	Shantanu Shivdas Zakarde
3.	Puja Gajanan Podhade	6.	Tanmay Anil Bonde



Dr. Pradip P. Deohate

Co-ordinator

Date - 04.10.2021

Remedial Coaching Classes



Dr. Vijay D. Nanoty

Principal

Shri R.L.T. College of Science, Akola

Shri. R.L.T College of Science, Akola

World Earth Day celebration

By Department of Biochemistry, Botany, Microbiology & Zoology (Life Science)

On the occasion of World Earth Day, various life sciences departments (Biochemistry, Botany, Microbiology & Zoology) and IQAC of Shri. R.L.T College of Science, Akola, collaborated for the first time to celebrate "World Earth Day" on 22nd April, 2022, in the Department of Microbiology. The event was chaired by Dr. V.D. Nanoty (Principal, Shri. R.L.T College of Science, Akola). Dr. R.L. Rahatgaonkar (IQAC Co-ordinator), Dr. S.N. Nagrale (Head, Department of Zoology), Smt. V.N. Badgujar (Head, Department of Botany), Dr. H.S. Malpani (Head, Department of Microbiology & Biochemistry), and Dr. A.S. Sawarkar (Department of Zoology) graced the dais. Dr. S.N. Nagrale explained the ways by which the community of Life Sciences can help in maintaining healthy environment on Earth and encouraged the students to be mindful about their environmental habits. He expressed that this union of all departments of life sciences is innovative and necessary. Dr. A.S. Sawarkar raised some important concerns about environment and shared some thumb rules to implement in our everyday lives. She also focused on the e-waste that is generated and not managed properly. Smt. V.N. Badgujar advised the audience to be mindful while using natural and non-renewable resources. She also explained the urgent need to plant more trees to curb the rising temperature. Dr. H.S. Malpani encouraged the young minds to act, innovate and implement for a greener future. He mentioned that all of us should work in partnership to save our planet from continuous degradation. Dr. V.D. Nanoty expressed that the college has been undertaking various tasks towards the betterment of environment. He congratulated all the departments for coming together for this noble cause. He also explained the various aspects of 'Invest in Our Planet' and urged that the Life Sciences departments should uptake the task of making small but valuable changes for a better Earth. Students also brought forward the views of the young minds on ways to protect Earth from waste, glacier retreats, deforestation, coral bleaching, and other problems. They also suggested effective everyday habits that we can imply to curb these problems. The program was hosted by the PG students of Microbiology and many students from Biochemistry, Zoology, and Botany departments presented their views in the form of speeches and poems. More than 20 students participated in the Poster presentation and Elocution competitions held for PG students. Dr. S.R. Kohchale, Dr. P.M. Khadse, Dr. A.A. Sangole, Dr. R.P. Joshi, Ms. S.N. Gawande, Dr. S.V. Madavi and all the teaching staff of the department of Biochemistry, Botany, Microbiology, & Zoology were present at the event. The event was successfully conducted.





Dr. Harish S. Malpani
Asst. Professor & Head
Department of Microbiology & Biochemistry