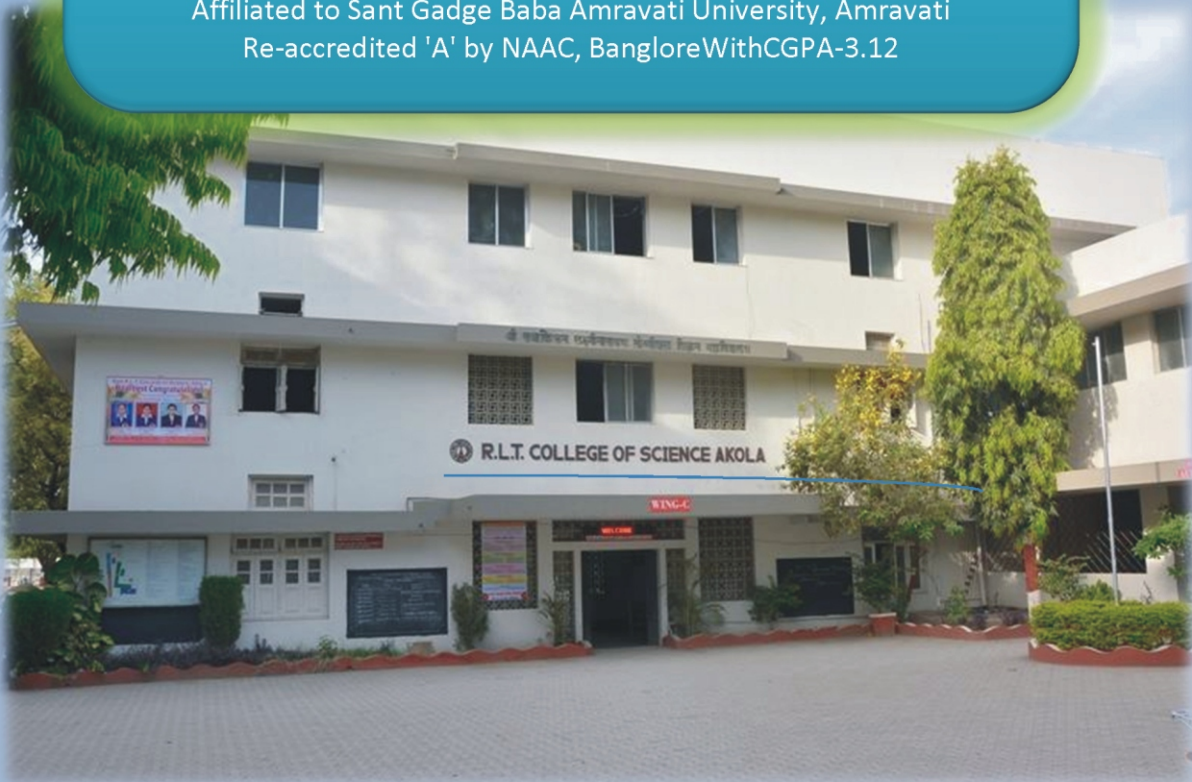




The Berar General Education Society's  
**Shri Radhakisan Laxminarayan Toshniwal  
College of Science, Akola (M.S.)  
(R. L. T. College of Science)**

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



**ANNUAL REPORT**

**2020-21**

# THE BERAR GENERAL EDUCATION SOCIETY, AKOLA

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## SHRI RADHAKISAN LAXMINARAYAN TOSHWAL COLLEGE OF SCIENCE, AKOLA

### VISION

"To become one of the best educational institutions in the country, aspiring for national recognition of excellence through teaching, learning, research and extension in the field of science and technology."

### MISSION

Shri Radhakisan Laxminarayan Toshniwal College of Science dedicates itself to the cause of science education and propagation of scientific temper among the students, it seeks to mould a student into a multifaceted person with a pragmatic mind and a humane out look capable of facing the challenges of the 21st century. Shri R.L.T. College expects every student entering its portal to be a disciplined, hardworking, well read member of the community ready to give his best to the country.



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The Berar General Education Society's

**SHRI RADHAKISAN LAXMINARAYAN  
TOSHNIWAL  
College of Science,  
Civil Line, Akola (M.S.) 444001**

Established on 1/04/1970

Recognized by Government of Maharashtra  
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## **ANNUAL REPORT**



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# Department of Biochemistry

## REPORT

Biochemistry department of college offers education at undergraduate level. Due to COVID-19 Pandemic this year whole teaching and examination was shifted to online pattern. Teachers of department upgraded themselves in using online tools like Google Classroom, Google meet, Zoom and others, even assignment and project submissions are also done by using Google classroom. Department also runs career-oriented courses like CCLT and DCLT. This year total 164 students participated in this course.

Department organised tree plantation drive on 24<sup>th</sup> July 2020 in which summer flowering plants were planted in college premises. Event was conducted in collaboration with Nisargakatta, Dr. V.D. Nanoty, Dr. U.K. Bhalekar, Dr. Harish S. Malpani, IQAC coordinator Dr. Rahatgoankar, Dr. Chandrawanshi, Shri Amol Sawant and Shri Pradip Kidile were present in event. On 15<sup>th</sup> October 2020 on the occasion of birth anniversary of late Dr. APJ Abdul Kalam Reading awareness Day was celebrated in collaboration with College library. Around 30 students of department presented poems and articles in event. Dr. V.D. Nanoty, Dr. U.K. Bhalekar, Ms. S. N. Gawande, Mrs. D.R. Goenka, Ms. Maithilee Deshmukh and Mr. Mangesh Ubale Librarian were present in event; Dr. Harish Malpani worked as coordinator of event.

This year Dr. V.D. Nanoty sir awarded with Best Principal award by S.G.B Amravati University Amravati for session 2020-21. This award is popularly known as "Seva Gaurav Puraskar". This award highlights dedication of Dr. Nanoty sir for students and college. Dr. U.K. Bhalekar got retired from services as per government norms on 30<sup>th</sup> November 2020. In his felicitation program organised by department, his contribution for college and society was greatly appreciated by Principal Dr. V.D. Nanoty, Dr. Archana Pethe, Dr. Aarti Deshpande and many senior faculty in subject Microbiology and Biochemistry.

**Dr. Harish S. Malpani**  
In charge  
Department of Biochemistry

# Department of Botany

## REPORT

Department of Botany is always ahead in performing the various academic as well as co-curricular activities. Due to Pandemic situations all the activities were mostly taken on Online platform. Some of the activities are highlighted below.

### **State Level E-Workshop on Eco-friendly Holi :-**

Department of Botany, Environment Cell & IQAC organised State Level Workshop in Collaboration with Gramayan Pratishthan (NGO), Nagpur. Dated 27<sup>th</sup> March 2021 at 4.00 pm

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 attended the workshop. Convener of workshop was Dr. A.A. Sangole, IQAC co-ordinator Dr. R.L. Rahatgaonkar. Chief Guest was Mr. Anilji Sambre, President, Gramayan Pratishthan (NGO), Nagpur. Speaker & Demonstrator, Mrs. Pragati Madhai, prepared & demonstrate the brilliant shades of Holi colours made from Natural extracts. Most of these plants also have medicinal properties and Holi colours prepared from them are actually beneficial to the skin.

The Organizing Secretary was Mrs. V.N. Badgujar, 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 were given to the participants.

### **Celebration of 'Krush Divas' :-**

On 1st July 2021, Dept. of Botany & Environmental Cell Celebrated 'Krush Divas'. Plantation of medicinal plants useful for Environment were planted in the campus in presence of Resp. Principal Dr. V. D. Nanoty Sir & Dr. Chandravanshi Sir. All the members of Environmental Cell & Non-Teaching staff were present in this event.

### **Plantation on Independence Day 15<sup>th</sup> August :-**

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 plantation of higher quantity of oxygen produced were planted. Plants i.e. air pollution and sound pollution reducer plants were planted in the campus in presence of Resp. Principal Dr. V. D. Nanoty Sir and Resp. Dr. U.K. Bhalekar Sir. All the members of Botany, Environmental Cell & Non-Teaching staff were present in this event.

### **M.Sc. Botany Affiliation :-**

On 8<sup>th</sup> March M.Sc. Botany Affiliation Committee of Dr. R.A. Gulhane, Dr. V. S. Sangawar, & Dr. K. C. More inspected Botany Dept. & sanctioned P. G. in Botany.

### **The achievement of staff members are mentioned below.**

**Mrs. V. N. Badgujar** :- She has participated and presented paper in International E- Conference on "Innovative Research Trends in Life Sciences." Held at Department of Life Sciences, Shri Shivaji College, Akola on 3<sup>th</sup>, 4<sup>th</sup> & 5<sup>th</sup> December 2020.

**Dr. P.M. Khadse :-** He has recognized as Ph.D. Supervisor (Guide) in the subject Botany on Dated 21/06/2021 by S.G.B. Amravati University, Amravati.

He has completed Short Term Course in “MOOCS, E-Content Development and Open Educational Resources”. held during 28/09/2020 to 3/10/2020 organized by UGC-Human Resource Development Center, S.G.B. Amravati University, Amravati.

He has participated and presented paper in International E-Conference on “Innovative Research Trends in Life Sciences.” held at Department of Life Sciences, Shri Shivaji College, Akola on 3<sup>th</sup>, 4<sup>th</sup> & 5<sup>th</sup> December 2020.

He has published his research paper in International Journal For Innovative Research In Multidisciplinary Field, Special Issue and he has published another research paper in the book of “Current Updates In Life Sciences”. published by Pundit Jawaharlal Nehru Center, Shri Shivaji College, Akola a National Publication.

**Dr. A.A. Sangole :-** She has Recognised as Ph.D Supervisor in the subject Botany as per the Notification of Sant Gadage Baba Amravati University Amravati, Monday, the 21st June, 2021 Notification No. 58/ 2021. She has published two papers in International Journal and one paper presented in International Conference. She has also published one chapter in online Book “MCQ’s in Botany B.Sc.II Sem III.

**Mr. Shailendra V. Madavi :-** He has participated International E-Conference on Recent Advances in Chemical, Physical and Biological Sciences Date 29-30/06/2021 held by Department of Chemistry, Nabira Mahavidyalaya, Katol and Association of Chemistry Teachers (ACT) C/o Homi Bhabha Center for Science Education (TIFR) Mumbai.

He has participated International Conference (Virtual Mode) on Recent Trends in Science and Technology date 03/07/2021 held by Sevadal Mahila Mahavidyalaya, Nagpur, Sardar Patel Mahavidyalaya, Chandrapur and Guru Nanak College of Science, Ballarpur.

“GO GREEN”

**Prof. Mrs. V.N. Badgujar**  
Asst. Prof. & Head  
Dept. of Botany



# Department of Chemistry Crystal Club

## REPORT

It is with great pleasure I share with you the annual report of chemistry department for the session 2020-2021 of Shri R.L.T. College of Science, Akola. Department is contributing significantly in creating and disseminating knowledge in various areas through undergraduate, postgraduate and doctoral programmes and providing an education through practically focused, multidimensional, quality teaching-learning process in excellent academic environment. In our pursuit of excellence, we persistently seek and adopt innovative methods to improve the quality of education. The benchmarks we set for ourselves in the field of teaching and research propel us in our journey towards excellence. Faculty of the department comprises qualified and goal-oriented members and always at forefront to organize various academic activities to inculcate effective learning abilities and research skills, to extend the intellectual depth, to make students creative, innovative and self-reliant.

To expose the students in the frontier areas in chemistry and to enhance employability skill of them, department is always ahead in performing the various academic activities. The important academic activities and the programmes organized by the department of chemistry during the session 2019-20 are as mentioned below.

### **Inauguration of 'CRYSTAL Club' -**

To enhance the academic activity of student and to increase the participation of student in social activity, department of chemistry has decided to establish one student club and in view of this our department establishes '**CRYSTAL Club**' (*Chemical Research by Young Scientist & Technicians Aborting Lacking of Society*) which was inaugurated online due to Pandemic condition of Covid-19 on 9<sup>th</sup> November 2020. **Principal Dr. V. D. Nanoty** was the president for this function and Dr. V.N. Badgujar Head, Department of Botany was the inaugurator for the function. Presence of head's of various departments had been added grace to this function. Ms. Shrutika Kadam was the student President of this club and students from M.Sc. I & II year are the members of this club with some officiating body.

- **Online University Level Seminar Competition on Analytical Chemistry M.Sc. Chemistry, Sem III, organized by Shri R.L.T. College of Science, Akola in collaboration with AUCTA :**

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. Innani Mahavidyalaya, Karanja Lad, Dr. Kishor Puri, 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 Googlemeet. 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. Nilesh Kadu, Assistant Professor, Bhartiya Mahavidyalaya, Amravati. The prizes were announced by jury, first prize won by Ms. Akanksha Pinjarkar, Shri Shivaji College, Akola, second prize won by Ms. Shivani Pandey, Shri Shivaji Science College, Amravati and third prize grabbed by Ms. Shrutika Kadam, Shri R.L.T. College of Science, Akola.

The chief guest of the programme Dr. P. R. Rajputs, President, AUCTA had encouraged students to build up their confidence and expressed good will by 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 for the successful organization of the competition. Programme was anchored by Ms. Ketki Bansod madam and Dr. A. G. Sarap expressed vote of thanks.

- **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.**
- **Organization of Online Chemistry Practical Workshop for B.Sc. - Students :**  
Department of Chemistry Developed e-module of online Chemistry Practical Workshop for B.Sc-I students on 10<sup>th</sup> March 2020. The student who stood first was given a text book in the form of gift. Total 70 students participated in this test. Dr. Aashish Sarap and Dr. P.T. Agrawal
- **Atchem ... aptitude test in chemistry** - To create interest in chemistry, assess the conceptual understanding and to upgrade the subject knowledge, aptitude test in chemistry was conducted for B.Sc.-III year students on 6<sup>th</sup> February 2020. Total 467 students were participated in the test. Mr. Pravin P. Nage, Ms. Vaishnavi B. Mhaisane, Ms. Shraddha P. Kharode and Mr. Shubham G. Mhatarmare have achieved the 1<sup>st</sup> position respectively. Students were given Cash Prize of Rs. 201/- . Dr. Pradip P. Deohate and Mr. S.C. Zyate were the conveners of this test.

The important achievements of the faculty members of department of chemistry during the session 2019-20 are as highlighted below.

- **Dr. Pradip P. Deohate** has published 3 research papers in national / international journals along with 2 books and 1 educational DVD. He has participated in 4 national / international e-conferences and presented 1 research paper. He has attended several national /

international workshops, webinars, short term courses and faculty development programmes. Under his guidance 1 student is doing the Ph.D. research work. He has guided 2 students for research project. His 1 scientific article was published in college science magazine *infoSCIENCE*. He has conducted AUCTA's national level online aptitude test in chemistry as the organizing secretary. He has chaired the plenary session of invited lecture and worked as jury of technical session of oral and poster presentations of international conference at Mungasaji Maharaj Mahavidyalaya, Darwha. He has worked as the member of subject examination committee of S.G.B. Amravati University, Amravati. He is working as the chief editor of AUCTA Newsletter and editor of science magazine *infoSCIENCE*. He has worked as the subject expert of selection committee, resource person and jury member for various academic and scientific programmes.

- **Dr. Poonam T. Agrawal** has published 3 research papers in international journal. She has participated in 1 conferences and presented research papers. Three students were registered under her supervision for the Ph.D. degree. She worked as a course coordinator for the Short Term Course on Research Methodology organized by Shri R.L.T. College of Science, Akola in Collaboration with Ph.D. Cell Sant Gadge Baba Amravati University, Amravati. She has worked as a resource person Renewable Energy Source Workshop. She was the course coordinator for Pre-Ph.D course work. . She has worked as Convener for University level intercollegiate seminar competition organized by AUCTA in Collaboration with Shri R.L.T. College of Science, Akola. She has worked as a Coordinator for Online E-Learning outreach Programme of **IISR**, Deharadun.
- **Dr. Pravin R. Kawle** has published 1 research papers international journals. He has guided 3 students for research project. He has worked as Organizing Secretary for University level intercollegiate seminar competition organized by AUCTA in Collaboration with Shri R.L.T. College of Science, Akola. He Has Worked as organizing member of National seminar on Water Conservation, Catch the Rain.
- **Dr. Kavita M. Heda** has participated in 1 conferences and presented research papers. She has guided 3 students for research project. She has guided 3 students for research project.
- **Dr. Aashish G. Sarap** has published 1 research papers in international journal. He has guided 3 M.Sc. students for research project. He has worked as organizing member of Short Term Course on Research Methodology organized by Shri R.L.T. College of Science, Akola in collaboration with Ph.D. Cell Sant Gadge Baba Amravati University, Amravati.
- **Mr. Vinod D. Deotale** has published 1 research papers in international journal. He has guided 3 M.Sc. students for research project.
- **Mr. Shankesh C. Zyate** has Published 1 research paper in Journal He has guided 3 M.Sc. students for research project. He has worked as Org. Secretary for National seminar on Water Conservation, Catch the Rain.
- **Ms. Kalpana A. Palaspagar** has submitted her thesis for Ph.D. degree in research laboratory of department of chemistry. **Three** students were **registered for Ph.D.** under the guidance of **Dr. Poonam T. Agrawal**, Head department of Chemistry. They have also published research papers in national and international journals, attended the conferences and presented research papers. Students are at the centre of all endeavors

in department of chemistry. During the session 2018-19, additions to the students' achievements are as follows.

- **Ms. Shraddha Hatgaonkar** (M.Sc. Chemistry) stood 1<sup>st</sup> Merit in the Merit list of Sant Gadge Baba Amravati University, Amravati in summer 2020.
- **Ms. Anjali Yadav** (M.Sc. Chemistry) stood 5<sup>th</sup> Merit in the Merit list of Sant Gadge Baba Amravati University, Amravati in summer 2020.
- **Ms. Roshani Gwalani** (M.Sc. Chemistry) stood 6<sup>th</sup> Merit in the Merit list of Sant Gadge Baba Amravati University, Amravati in summer 2020.
- **Ms. Komal Thakare** (M.Sc.-Chemistry) stood 10<sup>th</sup> Merit in the Merit list of Sant Gadge Baba Amravati University, Amravati in summer 2020.
- **Ms. Shrutika Kadam** (M.Sc.-II) has participated in University Level Intercollegiate Seminar Competition organized by AUCTA in collaboration with Shri R.L.T. College of Science, Akola and achieved the 2<sup>nd</sup> Prize.
- **Ms. Shrutika Kadam**(M.Sc.-II) has been achieved First Prize in State Level Poster Competition Organized by M.S.P. Arts Science & K.P.T. Commerce College under the them Chemical and material Science.
- **Ms. Shrutika V. Kadam** (M.Sc.-I) has been participated n National Level Poster Competition on the occasion of National Science Day on 28<sup>th</sup> February 2021.
- **Ms. Ankita Jaiswal** (M.Sc.-II) has completed the Summer Research Training Programme organized by CSIR-SRTP) 2020 online During June to August-2020 Co-ordinated by CSIR-NEIST, Jorhat

**Initiative Taken by Chemistry Department for the Society, Teacher Fraternity & Students during the pandemic condition of Covid-19.**

**Distribution of Mask and Sanitizer :**

Crystal Club of Department of Chemistry distributed mask and sanitizer to the needy students and non teaching members.

**Online Innovative magazine Publication on the eve of World Creativity and Innovation Day 21st April-2021 :**

P.G. Department of Chemistry had published online magazine on worlds Innovation day on the eve of World creativity and Innovation day on 21<sup>th</sup> April 2021. Seventeen students of P.G. Department of Chemistry gave one Innovative theme/ Idea and these concepts were compelling in the form of magazine which was published online on 21<sup>th</sup> April 2020. **Dr. Poonam Agrawal** was the coordinator and Editor of this magazine and **Dr. Kavita Heda and Dr. Aashish Sarap** was the member of editorial board.

**Online Short Term Course on Research Methodology :**

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 13<sup>th</sup> July to 16<sup>th</sup> 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. Harish Malpani** proposes the vote of thanks by giving best wishes of Hon'ble President Adv. Motisinghji Mohta and Shri Pawanji Maheshwari, Hon. Secretary, of The B.G.E. Society, Akola.

**Dr. Poonam T. Agrawal**  
Head, Department of Chemistry  
In-charge, P.G. Department of Chemistry

# Department of Computer Science & IT

## REPORT

Department of Computer Science established in 1<sup>st</sup> July, 1997 and Information Technology introduced in the year 2010-11. Computer Science Grant aid in April 2012 and first post of Assistant Professor filled in 2014.

Department has conducted various activities throughout this session, teaching using online Platforms: Google Class Room, Google meet, Zoom, You Tube etc. as well as regular students' Seminar, Project, Unit Test, Practical and Theory Examination online.

### Online Virtual Guest Lecture/ Workshop

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

Also Organized Online Workshop on "E-Waste Management: Reduce, Repair, Refurbish, Recycle & Reuse" in collaboration with Department of Computer Science, Electronics, Physics and PTA on dated 11-08-2021. Resource person 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), more than 300 students and parents take benefit of this workshop.

### Organized / Attended Online Programs :

Mr. R.B. Ghayalkar Assistant Professor of Department of Computer Science has successfully completed following Programs :

- Online ARPIT Course for Career Advancement Scheme(CAS) promotion Skills For New Educational Architecture held on 15.09.2020 which was conducted by SWAYAM and Sant Gadge Baba Amravati University.
- Digital Image Processing which was conducted by NPTEL-AICTE held on Spt-Dec 2020.
- Apart from this he has also participated and successfully completed one week FDP on "Recent Trends in Medical Imaging" Organized by SKNCOE, Pune.

Also he has work as Organizing Committee Member/Coordinator as well as online technical help for various online programs organized by college:

- State Level E-Workshop on Eco-Friendly Holi held on 27-03-2021,
- National Level E-Workshop on Organic Farming for Sustainable Agriculture held on 24-03-2021.
- Online Guest lecture on International Woman's Day held on 08-03-2021
- Also Stream YouTube Live celebration of Foundation day of B.G.E. Society Akola's on 14-02-2021.

**Mr. R.B. Ghayalkar**  
(Assistant Professor)  
Department of Computer Science

# Department of Electronics

## REPORT

### GOALS :-

It is one of the most challenging subject related to technology providing the tremendous scope in various fields. The department has always been interested not only in updating the curriculum, but also in enhancing the laboratory facilities to cope up with the new development in the technologies. The department offers hands on training to the students to meet the requirement of the industry. Guiding the students to excel in each of the fields and to make them well equipped to face challenges posed by the industry with confidence and dedication.

### OBJECTIVES :-

- 1) To Prepare the students for successful and productive career choices in both public and private sectors in the field of electronics.
- 2) To Prepare the students for their career in Govt. sectors also.
- 3) To provide students with a solid foundation in the field of electronics this serves them lifelong in their professional domain as well as higher education.
- 4) To Provide students with an academic environment that ignites in one the spirit of excellence, develop the urge of discovery, creativity, inventiveness, leadership and overall ambience that fosters brilliance.

### DEPARTMENTAL STAFF :-

Sr.No.	Name of teaching / non teaching staff	Designation	Qualification	Teaching Exp.	Research paper
1	Shri R.G. Chavan	Asso.Prof.	M.Sc.	32 years	4
2	Mr. R.D. Chaudhari	Assist. Prof.	M.Sc.,M.Phil.	13 years	12
3	Mr. G.B. Giri	Lab.Assist			

### Students Achievements (Curricular, Co-curricular and Extra curricular) :-

Ku. Janaki D. Deshmukh stood 10th merit in S.G.B. Amravati University, Amravati in Summer-2020 Examination.

### Infrastructure Development and Instruments in the Year 2020-2021 :-

Electronics instruments & Laser Printer worth Rs. 23,025/- purchased in the department.

### PLACEMENT OF STUDENTS :- 03

#### Placement of the Students in the year 2020-21

Sr.No.	Name of the Students	Firm
1	Mr. Pranav D. Patil	TCS, Nagpur
2	Ku. Komal Verma	Cognizent Ltd. Chennai
3	Ku. Simran Gadodiya	Infosys, Bangalore

**STRENGTH :-**

- 1) Good laboratory infrastructure with state of art hardware and software tools.
- 2) Excellent research facility available with advance instruments. (CRO. DSO, LCD projector)
- 3) Versatile and talented faculty and technical persons.

**WEAKNESSES :-**

- 1) Students teacher ratio.
- 2) Research funding and support.
- 3) Soft skill and communication skill of students need to be improved.

**Opportunities :-**

- 1) More MOUS with industry and Education Sectors.
- 2) Platform for interdisciplinary research.
- 3) Joint curriculum with other departments.

**Challenges :-**

- 1) To frame and design an effective curriculum, teaching learning methodologies that bridges the gap between industry and institution.
- 2) To convert the laboratory into a smart automated lab.
- 3) To establish a smart micro controller programming lab.

**Prof. R.G. Chavan**  
Associate Professor and Head  
Deptt. of Electronics



# Department of Languages

## REPORT

The academic session 2020-21 has been another special one continued its journey both online and offline modes as per directions. Online lectures and competitions proved to be very helpful for students sitting at home.

The Department of Languages comprises three languages Marathi, Hindi, English having one permanent faculty and rest 2 contributory teachers in all. Who all are serving with utmost dedication through teaching not only prescribed syllabus but also inspiring the students to achieve success in various competitive exams as well. Along with traditional teaching methods teacher also take the best use of teaching in digital-classrooms for effective learning experiences the department is solely concerned with B.Sc. part one only for the purpose of fulfilling the communicative aspect of language learning the department always tried giving its best by organising various activities like languages games, grammar quiz, debate and elocution competition for students

Like every year this academic session 2020-21 too creative competition was organised with the theme Covid-19 : A Scientific Attitude. The competition aims to motivate students to put forward their ideas on a particular theme. Mr. Mangesh Ubale worked as convenor while Mr. A.B. Khedkar worked as Organising Secretary. As this is a joint initiative of Department of Languages and the Library.

# Department of Library and Information Centre

## REPORT

The Library has been constantly improvising and implementing new ideas. As application of new methods and ideas give birth to creativity and new knowledge. The Department of Library is marching on the same path; various subject new books as every year are introduced this year too. Magazines, Journals, Periodicals, Reference Books, DVD's, CD's, News papers and various types of competitive exams related books along with the 'Diwali Issues' are too introduced for the taste of local literature.

As a part of education oriented programmes our library LAUNCHES 'Network Resource Centre' i.e. NRC attached with INFLIBNET. These are main educational sources of UGC and Govt. of India. Through these programme students of college, researchers, faculty members, and users in various fields of knowledge can use these books and journals likely called e-books and e-journals in this programme. Library introduced "Earn and Learn" scheme, in which students are given encouragement to stand on their feet economically, so they can earn. These living even while they learn they are assigned with the works like filling in the online application forms during admission process and scholarship forms too. We do this every year but this is not possible this year due to COVID-19.

Like every year this year too "14 Tas Abhyas Vikasayacha Dhyas" is the best practice of the college Library every year gives its 100% for the success of this programme. This happens to be on 14<sup>th</sup> April on the birth anniversary of Dr. Babasaheb Ambedkar. As a part of 'World Book Day' celebrated on 23<sup>rd</sup> April, 'Best Reader' award every year. We displayed great thoughts by great thinkers every day. Like every year this year too "Vaachan Prerna Diwas" was celebrated on 14<sup>th</sup> October. The birth anniversary of Dr. APJ Abdul Kalam and quiz contest was also organized for students and winning team was gifted with books by the hands of the respected Principal Sir. New arrival of book is displayed on display board. We develop the students for cultural activities. Every year we celebrate the birth anniversary of father of Library Science Dr. S.R. Ranganathan. This year "Creative Writing Competition" was organized by library in association with Department of Languages for students to enhance the skill of writing.

All activities were conducted virtually (On Line) due inevitable lockdown condition because of COVID-19.

**Mangesh R. Ubale**  
Librarian

# Department of Mathematics

## REPORT

Department of Mathematics is one of the major department of Shri R.L.T. College of Science and is having granted PG course. Some of the important educational activities and achievements of students and faculty members of the department during the session 2020-21 are highlighted as below.

- Departmental staff :
  - (i) Dr. S.B. Tadam (H.O.D. & Asst. Prof.)
  - (ii) Dr. S. L. Munde (Assistant Prof.)
  - (iii) Mr. Gautam Ingole (Non-teaching)
- All the teachers started their works of respective college committees.
- Students strength of the department :

Sr. No.	Class	No. of Students	No. of Sections
1	B.Sc.I	174	2
2	B.Sc.II	158	2
3	B.Sc.III	216	2
4	M.Sc.I	111	1
5	M.Sc.II	104	1
	Total	763	8

- Number of teachers (Paper wise) : 4 for U.G and P.G.
- Number of Contract Basis teachers : 2 for P.G. and U.G.
- Academic activities like Seminars, Online viva, Project Assignment and e-quiz were conducted online for B.Sc. I<sup>st</sup>, II<sup>nd</sup> & III<sup>rd</sup>, M.Sc. I<sup>st</sup> & II<sup>nd</sup> students. For these activities, groups of students were disbanded and each group was assigned a group teacher.

In seminars, topics were given to the students and on the given topic students created videos of their seminar and upload it on the given link.

After seminar submissions, seminar videos were checked by the corresponding group teacher and the questions and clarifications raised by teacher and answered by the student. Vivas were conducted by each group teacher on the meeting platform Google meet or Zoom.

Seminars improves student interest in subject, subject knowledge and help to improve personality, together with this, due to online process student also learned about the video making and online submission.

- Every year on 14<sup>th</sup> April our college celebrate birth Anniversary of Great Social Reformer Bharat Ratna Dr. Babasaheb Ambedkar by 14 hours study campaign. To pay tribute to Dr. Babasaheb Ambedkar on his birth anniversary, Department of Mathematics was organized 12 hrs. Study Campaign on 14<sup>th</sup> April 2021.

All M.Sc. II year students were participated in this campaign. Regarding this, notice and schedule of 12hrs. Study campaign was displayed on Google class room. The portion for reading of four papers was given to the students for study and MCQ test was also taken on these four papers. On 14<sup>th</sup> April, at exactly 9o'clock , the students started to study. As per schedule MCQ test was provided by PG teachers to the students. The students solved MCQ test by following the schedule strictly. Total 98 students participated in this event. Thus the study campaign was made successful with the help of students and teachers. This event was taken online. Platform used for this event were Google class room, Google form and Whats App group of the students.

In this way student paid tribute to Dr. Babasaheb Ambedkar by studying 12 hours continuously.

#### **Notice and Schedule of the Event :**

As per proud tradition of our college, tomorrow on 14th April 2021 our college is celebrating Birth Anniversary of great social reformer Bharat Ratna Dr. Babasaheb Ambedkar by 14 hours study campaign. You all are requested to participate positively in the said event. The event will begin at 9 am and run until 9 pm. You have to read the corresponding units of the paper assigned by the respective teachers, after which MCQ test will be given. You have to submit your answer paper on google class room. Schedule of the event is as follows.

Sr.No.	Name of Teacher	Name of Paper	Portion for reading	Reading Time	Time of MCQ test
1.	Dr. S.B. Tadam	Functional Analysis I	Unit IV & V	09 am to 11.30 am	11.30 am to 12 noon
2.	Dr. S.L.Munde	Operations Research	Unit I & III	12 noon to 02.30 pm	02.30 pm to 03 pm
3.	Ms. K. R. Sharma	General Relativity	Unit IV & V	03 pm to 05.30 pm	05.30 pm to 06 pm
4.	Ms. S.S. Mhaske	Fluid Dynamics I	Unit III & IV	06 pm to 08.30 pm	08.30 pm to 09 pm

#### **Link of MCQ test :**

- Paper : Functional Analysis I -  
<https://forms.gle/GX7uAvGsUgRc7zwT9>
  - Paper : Operations Research -  
<https://forms.gle/wv8Utvk5UHQC3Wu38>
  - Paper: General Relativity -  
<https://classroom.google.com/c/NjU0MDc0NzQ5NzZa/a/Mjl1MzQyNDgyMTQy/details>
  - Paper: Fluid Dynamics I -  
<https://classroom.google.com/c/NjU0MDc0NzQ5NzZa/a/MzE1ODY0ODA5MDE0/details>
- 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.

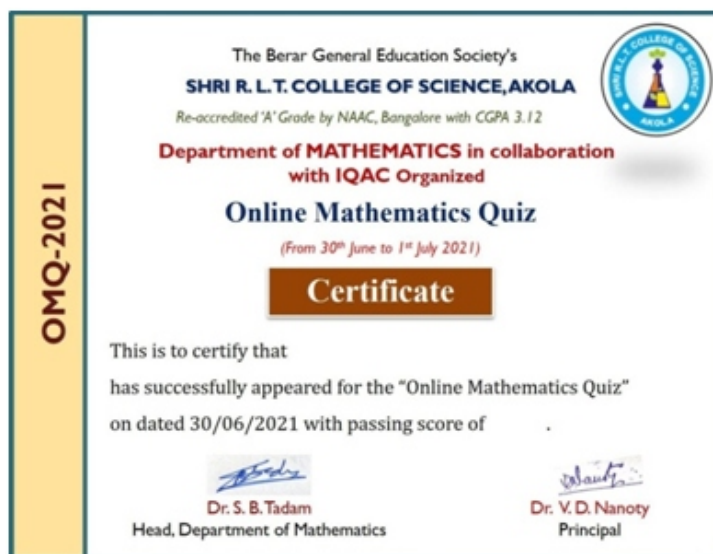
The platform used for this Online Mathematics Quiz was Google form. In first section of the quiz personal details of the participant was asked. After fulfilling the details of first section, second section is opened which contains 25 questions, each question carrying two marks. All questions were made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

At 12 o'clock on 30<sup>th</sup> 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 1<sup>st</sup> 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>

- E-Certificate of “Online Mathematics quiz”



- During the session 2020-21 the achievements of the department are shown in the following table.

Sr. No.	Name of Faculty / Students	Designation / Class	Achievements
1.	Dr. Sujata B. Tadam	Assistant Prof. & H.O.D.	1) Participated & successfully completed the Course “33rd Online Short Term Course on E-Content Development” during 28/05/2020 to 03/06/2020 organized by UGC – Human Resource Development Centre, Gujarat University, Ahmedabad. 2) Worked as a chairperson for the technical Session of Online Oral presentation of

			One day National Multidisciplinary e-conference on Research in Science and Technology for sustainable Development sponsored by Indian Science Congress Association Amravati Chapter and organized by Rajarshee Shahu Science College Chandur Railway on 23 <sup>rd</sup> March 2021.
2.	Dr. Samadhan L. Munde	Assistant Professor	1) Participated & Attended Online in “Refresher Course in Basic Sciences (Mathematics)” conducted by UGC – HRDC, S.G.B.A. University, Amravati from 21-12-2020 to 02-01-2021 and obtained A+ Grade. 2) Worked as a Jury (Subject Expert) in University Level UG Student Seminar Competition on Algebra organized by Vidnyan Mahavidhyalaya, Malkapur on dated 09 – 03 – 2021. 3) Presented a Research Paper entitled as “Anisotropic Bianchi Type-III Cosmological Model with Quark Matter in $f(R, T)$ Gravity” in “National e-Conference on Recent Mathematical Innovation & Skills in 21 Century” organized by R.D.I.K. & K.D. College, Badnera on dated 27 – 03 – 2021. 4) Published a Research Paper entitled as “Kaluza-Klein Cosmological Model with Quark and Strange Quark Matter in $f(R, T)$ Gravity” in international Journal of Advanced Research (A Cross Ref Indexed Journal). 5) Published a Research Paper entitled as “Bianchi Type-III Cosmological Model with Special Form of Deceleration Parameter in $f(R, T)$ Gravity” in International Journal of Creative Research Thoughts. 6) Published a Research Paper entitled as “Kaluza-Klein Universe in $f(R, T)$ Gravity with Constant Deceleration Parameter in Presence of Quark Matter” in International Journal of Science and Research.
3.	Ms. Rohini M. Wankhade	PG student	Won third prize in Online University Level Essay Competitions during Feb. 5-15, 2021 Organized by the Department of Mathematics & IQAC, Sant Gadge Baba Amravati University, Amravati In Collaboration with R.D.I.K. & K.D. College, Badnera : Adarsha Science, J.B. Arts & Birla Commerce Mahavidyalaya, Dhamangaon (Rly) and Shri. Dr. R.G. Rathod Arts & Science College, Murtizapur, Dist-Akola

**Dr. S. B. Tadam**  
H.O.D.  
Dept. of Mathematics

# UG AND PG Department of Microbiology

## REPORT

Department of Microbiology is one of leading department in college offering education at undergraduate, postgraduate and research level. Due to COVID-19 Pandemic this year whole teaching and examination was shifted to online pattern. Teachers of department upgraded themselves in using online tools like Google Classroom, Google meet, Zoom and others, even assignment and project submissions are also done by using Google classroom. For this up gradation Dr. Harish S. Malpani completed 3 courses of online teaching conducted by SGB Amravati University and Ramanujan College University of Delhi while Ms. S.N. Gawande completed FDP organised by KTHM College Nashik affiliated to Pune University. Department also runs career-oriented courses like CCLT and DCLT. This year total 164 students participated in this course.

Department runs student activity unit named MICRANS which was inaugurated this year by online way. Event was inaugurated at the hands of Hon. Dr. A. M. Deshmukh President Microbiologist Society India and Dr. S.D. Patankar President of MSI Maharashtra state on date 27<sup>th</sup> of January 2021. On this occasion Dr. V.D. Nanoty motivated and guided students. Ms. Naseem Ali from M.Sc. II Microbiology was elected as president of MICRANS and Ms. Vaibhavi Topale of B.Sc. III was elected as Secretary for session 2020-2021. In collaboration with Microbiologist Society India department declares best student from UG and PG category every year. This year Ms. Prjakta Kulkarni from M.Sc. II who is working as Covid warrior at District hospital Buldhana and Mr. Atul Seth from B.Sc. III were declared Best student. On 24<sup>th</sup> December 2020 College took felicitation of all Covid warriors in which ten departmental alumni participated.

Department organised tree plantation drive on 24<sup>th</sup> July 2020 in which summer flowering plants were planted in college premises. Event was conducted in collaboration with Nisargakatta, Dr. V.D. Nanoty, Dr. U.K. Bhalekar, Dr. Harish S. Malpani, IQAC coordinator Dr. Rahatgaonkar, Dr. Chandrawanshi, Shri Amol Sawant and Shri Pradip Kidile were present in event. On 15<sup>th</sup> October 2020 on the occasion of birth anniversary of late Dr. APJ Abdul Kalam Reading awareness Day was celebrated in collaboration with college library. Around 30 students of department presented poems and articles in event. Dr. V.D. Nanoty, Dr. U.K. Bhalekar, Ms. S.N. Gawande and Mr. Mangesh Ubale Librarian were present in event, Dr. Harish Malpani worked as coordinator of event.

This year Dr. V.D. Nanoty sir awarded with Best Principal award by S.G.B Amravati University Amravati for session 2020-21. This award is popularly known as “Seva Gaurav Puraskar”. This award highlights dedication of Dr. Nanoty sir for students and college. Dr. U.K. Bhalekar got retired from services as per government norms on 30<sup>th</sup> November 2020. In his felicitation program organised by department, his contribution for college and society was greatly appreciated by Principal Dr. V.D. Nanoty, Dr. Archana Pethe, Dr. Aarti Deshpande and many senior faculty in subject Microbiology.

This year three students registered for Ph.D. degree under supervision of Dr. V.D. Nanoty at department namely Ms. S.N. Gawande, Mr. Sandeep Toshniwal and Ms. Abhilasha Deshmukh All faculty members attended several virtual events and conferences and also published research papers at National and International reputed journals.

**Dr. Harish S. Malpani**  
Asst. Professor & Head  
Department of Microbiology

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

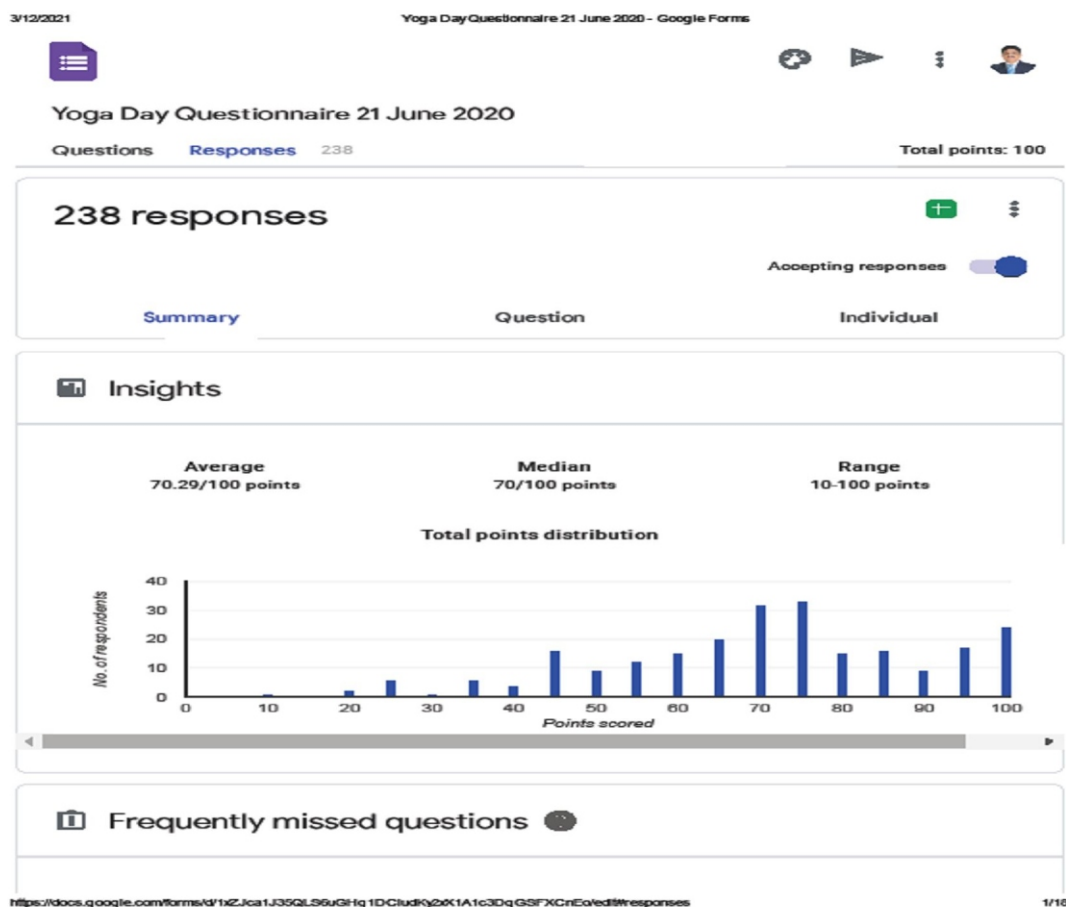
## Department Physical Education and Sports

Degree College

Report of Session 2020-2021

### International Day of Yoga 2020 21<sup>st</sup> June 2020

International Day of Yoga was celebrated on 21<sup>st</sup> June 2020 through online Quiz Competition due to Covid-19 pandemic. Quiz included 20 questions on the basis of Yoga related important information. 238 participants online participated and out of these participants 202 were awarded certificates. This activity helps to motivate all participants to develop body mind coordination and physical fitness with Yoga Practices.







The Berar General Education Society's  
**SHRI R. L. T. COLLEGE OF SCIENCE, AKOLA**  
(Affiliated to Sant Gadge Baba Amravati University, Amravati)  
Re-accredited 'A' Grade by NAAC with CGPA 3.12  
**Department of Physical Education and Sports**  
**INTERNATIONAL DAY OF YOGA -2020**  
21<sup>st</sup> June 2020, Sunday



Yoga for Harmony & Peace  
**Yoga is Life**

**CERTIFICATE OF PARTICIPATION**

This is awarded to **{{Full Name}}**  
is successfully appeared the Yoga Quiz on the occasion of  
the **INTERNATIONAL DAY OF YOGA, 2020**. We salute your efforts.

**Dr. K.R. Lathi**  
Physical Education  
Teacher



**Dr. R.D. Chandrawanshi**  
Director of Physical  
Education and Sports

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




Fit, Fine and Full Knowledge in Mind then Life will Shine. **{{Certificate ID}}**


## National Sports Day on 29th August 2020

On the occasion of National Sports Day on 29<sup>th</sup> August 2020 Sports achievers are felicitated and Online Practical Video Session Presentation (Physical Fitness Exercises) Competition was conducted. In this Online Practical Video Session Presentation 57 participants were participated.



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Re-accredited 'A' Grade by NAAC with CGPA 3.12  
**Department of Physical Education and Sports**  
**National Sports Day**  
**29<sup>th</sup> August 2020**  
**CERTIFICATE OF PARTICIPATION**  
This is awarded to **Sunil Gajananrao Dhakulkar**  
for successfully Participated and Appeared in the Sports Quiz and  
Practical Video Session on the occasion of the **NATIONAL SPORTS**  
**DAY 2020. Be fit for Nation.**

 <b>Dr. K.R. Lathi</b> Physical Education Teacher	 <b>Dr. R.D. Chandrawanshi</b> Director of Physical Education and Sports	 <b>Dr. V.D. Nanoty</b> Principal Shri R.L.T.College of Sci.,Akola
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**Major Dhyan Chand**  
**'Magician of Hockey'**

Fit, Fine and Full Knowledge in Mind then Life will Shine.



## National Sports Day- 29<sup>th</sup> August 2020

### Online Practical Video Session Presentation (Physical Fitness Exercises)

#### Result

Rank	Name of Participants	Institute	Place	Prize Amount
I	Mr. MalyDhara	Pharmaceutical Science and Research University	Delhi	1000/-
II	Mr. Abhijeet Sayre	Shri R.L.T. College of Science, Akola	Akola	700/-
III	Ms. MrunaliWawge	Shri R.L.T. College of Science, Akola	Akola	500/-



1. MalayDhara Delhi



2. Abhijeet Sayre Akola, Maharashtra



3. Mrunali Wawge Akola Maharashtra



4. Shubham Mhatarmare Maharashtra



5. Noor Khan Kanpur UP



6. Anuja Ingle Maharashtra



The Berar General Education Society's  
**Shri R.L.T. College of Science, Akola**  
Department of Physical Education and Sports  
**National Level**

## **Physical Fitness Campaign**

**Open for All**

**No Age Limit**

**No Fees**

**Physical Fitness Exercise related Quiz and Online Video Competition.**  
**(Link is open from 20<sup>th</sup> March 2021 to 26<sup>th</sup> March 2021)**

**(Cash Prize only for Video: I Rank 3000/-, II Rank 2000/-, III Rank 1000/- and Two Consolation Prizes of Rs.500/-each)**

**Google Link for**

**Registration :** [https://docs.google.com/forms/d/e/1FAIpQLSdWnB0qjzhSSVXAlNhY3rhpjEKpjQPCu0ntZHcGqDUJYUEq\\_g/viewform?usp=sf\\_link](https://docs.google.com/forms/d/e/1FAIpQLSdWnB0qjzhSSVXAlNhY3rhpjEKpjQPCu0ntZHcGqDUJYUEq_g/viewform?usp=sf_link)

**Department of Physical Education and Sports and IQAC invite you to send your Physical Fitness exercise related video.**

- 1. For getting Certificate minimum 50% score is required.**
- 2. Short Video of Physical Fitness exercise on proper kit.  
Video Size up to 10 MB and duration 1MIN.**
- 3. Language of Video is Hindi, Marathi and English only. Video Format MP4 only .**
- 4. I, II and III rank given to video on the basis of Best Exercise, Importance of Exercise and Presentation Skill.**
- 5. There will be cash prize for Winner First Rank 3000/-, Second Rank 2000/-, Third Rank Rs. 1000/- and Two Consolation Prizes of Rs. 500/- each)**
- 6. Judge's panel decision will be final and there is no appeal in future.**
- 7. Result will be declared on 30<sup>th</sup> March 2021.**
- 8. Participation certificates will be issued on 10th April 2021 on Telegram or Google drive link.**
- 9. Cash Prize will be transfer by online payment mode or if you want to collect cash Prize visit to college on 30<sup>th</sup> March 2021 between 11:00 AM to 2:00 PM.**

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

**Dr. Rajesh D. Chandrawanshi, Director of Physical Education and Sports,**

**Mob.No.8788868145**

**Dr. Rajendra L. Rahatgaonkar, IQAC, Coordinator**

**Dr. Kanchan R. Lathi, Physical Education Teacher**

## List of Participants

Sr.	Full Name	City	State
1	Dr. Rajesh D. Chandrawanshi	Akola	Maharashtra
2	Dr K R Lathi	Akola	Maharashtra
3	Shweta Singh	Varanasi	UP
4	Kamlesh Tewari	Haldwani	Uttarakhand
5	Srushti Gajanan Murhe	Akola	Maharashtra
6	Shabdashri Gajanan Murhe	Akola	Maharashtra
7	Sebastian Varghese	Gandinagar	Gujarat
8	Anuradha Aniruddha Mahajan	Akola	Maharashtra
9	Miss. Sanskruti Anil Tirkar	Akola	Maharashtra
10	Dr Ravindra Pandurang Jagtap	Nagpur	Maharashtra
11	DivyaManik Sable	Akola	Maharashtra
12	Arya Rajesh Chandrawanshi	Akola	Maharashtra
13	Pinkusingh	Lucknow	Uttar Pradesh
14	Dr. Abhishek Anand	Giridih	Jharkhand
15	Vinay Kadam	Gwalior	Madhya Pradesh
16	Jyoti prasad raidingia	Dibrugarh	Assam
17	Manoj Sharma	Sundernager	Himachal Pradesh
18	Anuj S. Kela	Lonar	Maharashtra
19	Priyatam Kumar Singh	Isri ,Dumri , 825167	Jharkhand
20	PranjaliVishwambhartathod	Akola	Maharashtra
21	Chetan Vilas Kale	Akola	Maharashtra
22	Sanskruti Vinod Ganoje	Akola	Maharashtra
23	Rutuja Mukund Bidwai	Akola	Akola
24	Prof.AslamN.Khan	. Amravati	Maharashtra
25	Sagar BabanraoAarulkar	Akola	Maharashtra
26	Dr.Hemant Verma	Jalna	Maharashtra
27	Jidnyasa Rajesh Yadav	Akola	Maharashtra
28	Gaurav Pandurang Bhatkar	Akola	Maharashtra
29	Ku. Sakshi Pramod Payghan	Akola	Maharashtra
30	TanayaJaykumar Wankhade	Akola	Maharashtra
31	Ku.VaishnaviPanjabraoDalu	Akola	Maharashtra
32	Avanti Milind Deshmukh	Akola	Maharashtra
33	BhamtoshPramanik	Bargarh	Odisha
34	Komal Amol Wahurwagh	Akola	Maharashtra
35	Anil Nayak	Bhubaneswar	Odisha
36	Ajaiz Ahmad Ganie	Kulgam	Jammu and Kashmir
37	HiteshkumarGovindbhai Parmar	Ahemdabad	Gujarat
38	Nitin Kumar	Bilaspur	Himachal
39	Abhishek Kumar	Vikeshpury	Delhi
40	Rutuja Sudhakar Badhe	Akola	Maharashtra

Sr.	Full Name	City	State
41	Lavannya Ravindra Likhari	Akola	Maharashtra
42	VedantiMurlidharKokate	Akola	Maharashtra
43	Kishan Mukesh Gupta	Akola	Maharashtra
44	Rutwik Rajendra Katekar	Akola	Maharashtra
45	Dr. Bhaskar M. Sawarkar	Umarkhed	Maharashtra
46	Kalyani Killedar	Akola	Maharashtra
47	Vivek Shailesh Bhatia	Akola	Maharashtra
48	Mohammad Rafique Abdul Rauf	Akola	Maharashtra
49	Roshan DevanandGawarguru	Akola	Maharashtra
50	Sunil B Chordiya	Arni	Maharashtra
51	Rajni Sharma	Sundernager	Himachal Pradesh
52	RajviGawai	Akola	Maharashtra
53	Amisha Suresh Pradhan	Akola	Maharashtra
54	Divyani Sanjay Khandare	Akola	Maharashtra
55	Bhushan Vishnu Gondchawar	Akola	Maharashtra
56	Akshay Parasnath Tiwari	Akola	Maharashtra
57	Vaishnavi BhagwanLawale	Akola	Maharashtra
58	Chirag SanjayAnnadate	Akola	Maharashtra
59	Mrunali Gajanan Wawge	Akola	Maharashtra
60	Abdul Aziz Khan	Akola	Maharashtra
61	Santosh Chauhan	Renusagar	Uttar Pradesh
62	Apurva santoshWakode	Akola	Akola
63	Shrutika Sadashiv Kogade	Degaon	Maharashtra
64	Ku Bhagyashree D. Nagpure	Akola	Maharashtra
65	Debasish Barla	Jharsuguda	Odisha
66	ShreyashchandrashekharChoube	Akola	Maharashtra
67	Sakshi Sanjiv Ghaywat	Akola	Maharashtra
68	Surjeet Singh	Mandi	Himachal Pradesh
69	Isha Gupta	MANDI	M. L. S. M collage
70	HemlatakishorkumarMundada	Akola	Maharashtra
71	Manisha Thakur	Sundernagar	HP
72	Komal Ramesh Waghmare	Akola	Maharashtra
73	Abhishek Pratapsing Rathod	Patur	Maharashtra
74	Sayeed Khan	Akola	Maharashtra
75	Adesh Rajesh Dongare	Amravati	Maharashtra
76	AvinashShudakarTayade	Akola	Maharashtra
77	Ankita Vishnu Bagde	Akola	Maharashtra
78	SarjerjeraoRambhau Wagh	Buldana	Maharashtra
79	Harshdip Ranjeet Umale	Akola	Maharashtra
80	Jyotiprakash Mohanty	Bhubaneswar	Odisha
81	Aditya Ramesh Talokar	Akola	Maharashtra
82	Mr.PramodMallinathKhed	Kalaburagi	Karnataka
83	Anand Rajendra Bajpai	Akola	Maharashtra



The Berar General Education Society's  
**Shri R.L.T. College of Science, Akola**  
 Department of Physical Education and Sports  
 and I.Q.A.C.

**National Level Online  
 Physical Fitness Campaign**

(20<sup>th</sup> March 2021 to 26<sup>th</sup> March 2021)

**Result**

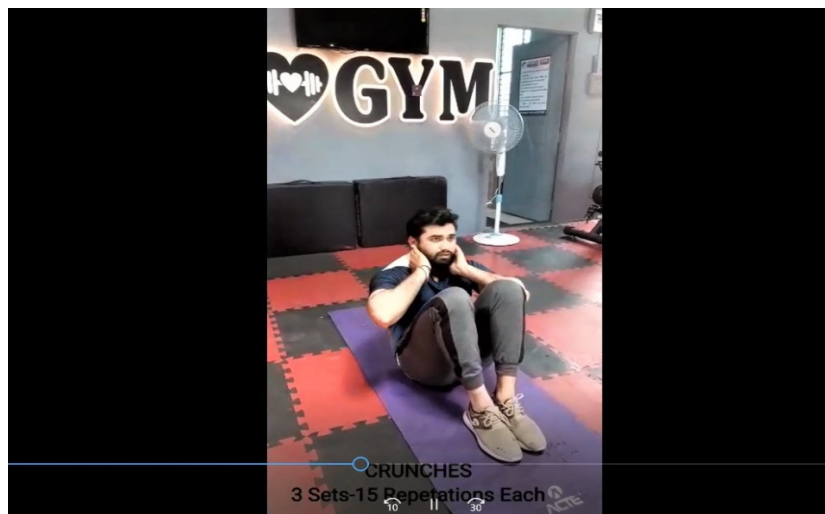
Rank	Name	State	Prize Amount
I	Ms. Vaishanvi Lawale	Maharashtra	3000/-
II	Mr. Akshay Tiwari	Maharashtra	2000/-
III	Ms. Rutuja Badhe	Maharashtra	1000/-
Consolation I	Mr. Abhishek Kumar	Delhi	500/-
Consolation II	Mr. Bhabatosh Pramanik	Odhisha	500/-

Place : Akola

Date : 30/03/2021



Rank	Name	State	Prize Amount
I	Ms. Vaishanvi Lawale	Maharashtra	3,000/-



Rank	Name	State	Prize Amount
II	Mr. Akshay Tiwari	Maharashtra	2,000/-

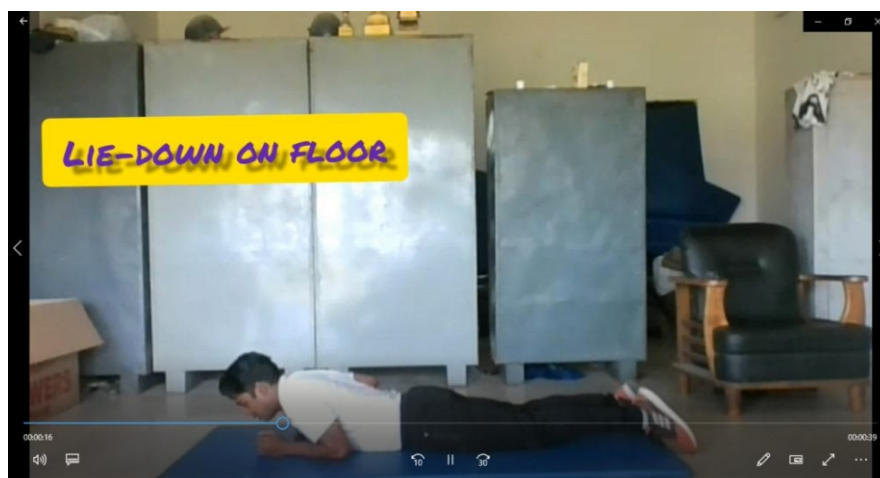




Rank	Name	State	Prize Amount
III	Ms. Rutuja Badhe	Maharashtra	1,000/-



Rank	Name	State	Prize Amount
Consolation - I	Mr.Abhishek Kumar	Delhi	500/-



Rank	Name	State	Prize Amount
Consolation -II	Mr. BhabatoshPramanik	Odhisha	500/-



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**Online**  
**Certificate Course in Physical Fitness**  
Dt. 5<sup>th</sup> to 15<sup>th</sup> June 2021



**Be fit for Nation**

**Fitness Task Force**

**No Fees**

**Open to All**

The world is facing a problem of Covid 19 pandemic and as per scientist's opinion the third wave of Covid 19 may be active soon. In the light of the current situation physical fitness plays a vital role in prevention of disease and it helps the person to stay active. This course will be helpful to boost your immunity. We are committed to provide basic physical fitness related information and practical knowledge to Students, Players and People. We conduct this course to develop physical fitness activities for society health benefits.

**Registration Scheduled. 27<sup>th</sup> May 2021 To 4<sup>th</sup> June 2021**

**Google Link For Registration - [Certificate Course in Physical Fitness](#)**



**Course Schedule /Time Table**

<b>Date</b>	<b>Time</b>	<b>Event/Classes</b>	<b>Name of Expert</b>
5 <sup>th</sup> June 2021	7:00 To 7:30 AM	Opening Ceremony	
	7:30 To 8:00 AM	<b>Concept of Physical Fitness</b>	<b>Dr. R. D. Chandrawanshi</b> Director of Physical Education and Sports, Shri R.L.T. College of Science, Akola
	8:00 To 9:00 AM	<b>Informative &amp; Practical Session- Stretching Exercises</b>	
6 <sup>th</sup> June 2021	7: 00 To 8:00AM	<b>Informative &amp; Practical Session- Warm up Exercises</b>	<b>Dr. R.M. Kadam</b> Director of Physical Education and Sports, B.B. Arts, N.B. Commerce & B.P. Science College, Digras
	8:00 To 9:00 AM	<b>Informative &amp; Practical Session- Suryanamaskar</b>	<b>Mr. Dhananjay Bhagat</b> Director, Ajinkya Fitness Park, Akola
7 <sup>th</sup> June 2021	7:00 To 8:00 AM	<b>Informative &amp; Practical Session- Aerobics</b>	<b>Dr. Shweta Mendhe</b> Director of Physical Education and Sports, Smt. R.D.G. College for Women, Akola
	8:00 To 9:00 AM	<b>Informative &amp; Practical Session- Yoga</b>	<b>Dr. Babarao Sangle</b> Director of Physical Education and Sports, Bapumiya Sirajoddin Patel Arts, Commerce & Science College, Pimpalgaon Kale

<b>Date</b>	<b>Time</b>	<b>Event/Classes</b>	<b>Name of Expert</b>
8 <sup>th</sup> June 2021	7:00 To 8:00 AM	Informative & Practical Session- <b>Zumba</b>	<b>Ms. Kanchan Wagh</b> Aerobics & Zumba Instructor University Color Holder 24 Fitness Center, Akola
		Informative & Practical Session- <b>Pranayama &amp; Mediation</b>	<b>Dr. V.A. Khodaskar</b> Director of Physical Education and Sports, Nehru Mahavidyalaya, Nerparsopant, Yavatmal
9 <sup>th</sup> June 2021	7:00 To 8:00 AM	Informative & Practical Session - <b>Postural Deformities Part I</b>	<b>Dr. Pravin Dabre</b> Director of Physical Education and Sports, Shripad Krushna Kolhatkar Mah., Jaglaon Jamod
	8:00 To 9:00 AM	Informative & Practical Session- <b>Use of Resistance Tube exercises for strength training</b>	<b>Dr. Shirish Topare</b> Director of Physical Education and Sports, Bharatiya Mah., Morshi Amravati
10 <sup>th</sup> June 2021	7:00 To 8:00 AM	Informative & Practical Session- <b>Abdominal Exercises, Squats, Planks and Lunges</b>	<b>Mr. Anuj Kela</b> Fitness Trainer & Nutritionist P.G. Student of M.P.Ed., PGTD Dept. SGBAU, Amravati
	8:00 To 9:00 AM	Informative Session- <b>Healthy Habits &amp; Diet Plan</b>	<b>Dr. Nilima Tingre</b> , Dietitian, Ajinkya Fitness Park Akola
11 <sup>th</sup> June 2021	7:00 To 8:00 AM	Informative & Practical Session- <b>Sticks Exercises, Wall Exercises</b>	<b>Mr. Abhijit Sayre</b> Gold Medal in Ashtedo Akhada International Tournament Expert in Stick Practice, Akola
	8:00 To 9:00 AM	Informative & Practical Session- <b>Jogging, Walking and Running</b>	<b>Dr. Atul Patil</b> Director of Physical Education and Sports, R.D.I. K. College, Badnera, Amravati
12 <sup>th</sup> June 2021	7:00 To 8:00 AM	Informative & Practical Session- <b>Physical Fitness through Traditional Sports</b>	<b>Dr. Rakesh Badgujar</b> Exe. Member of Sports Authority of India, Director, Badgujar Sports Academy, Amravati
	8:00 To 9:00 AM	Informative Session- <b>Importance of Physical Activities in Covid 19 Pandemic</b>	<b>Dr. Sagar Narkhede</b> Director of Physical Education and Sports, Saraswati Kala Mah., Dahihanda, Akola
13 <sup>th</sup> June 2021	7:00 To 8:00 AM	Informative & Practical Session- <b>Pushups/Dips, Specific Exercises, Skipping Rope</b>	<b>Mr. Abhishek Kumar</b> Fitness Trainer & Coach Short NIS in Boxing New Delhi
	8:00 To 9:00 AM	Informative Session- <b>Jobs Opportunities in the field Of Physical Fitness</b>	<b>Dr. K.R Lathi</b> Physical Education Teacher Shri R.L.T. College of Sci., Akola
14 <sup>th</sup> June 2021	7:00 To 8:00 AM	Practical Session- <b>Specific Exercises for Increase of Height an Effective on burning Body Fats</b>	<b>Mr. Akshay Tiwari</b> Fitness Trainer & Nutritionist Enfield Fitness Center, Akola
	8:00 To 9:00 AM	Informative & Practical Session - <b>Postural Deformities Part II</b>	<b>Dr. Pravin Dabre</b> Director of Physical Education and Sports, Shripad Krushna Kolhatkar Mah., Jaglaon Jamod
<b>All participants are informed to prepare one-hour practical session based on daily task in evening time and post photograph on Telegram group. (Please Join Telegram Group at the time of Registration)</b>			
15 <sup>th</sup> June 2021	7:00 To 5:00 PM	<b>Quiz &amp; Feedback</b>	Online
20 <sup>th</sup> June 2021	7:00 To 5:00 PM	<b>Certificate Distribution</b>	Online

## Certificate Course in Physical Fitness

### Syllabus

#### Practical and Informative Session

Sr. No.	Event	Morning Session	Evening Session	Total Hours
1	Concept of Physical Fitness	00:30 Min.	00:00 Min.	00:30 Min.
2	Stretching Exercises	00:30 Min.	00:30 Min.	1:00 Hour
3	Warm up Exercises	1 :00 Hour	1:00 Hour	3:00 Hours
4	Suryanamaskar	1:00 Hour		
5	Aerobics	1 :00 Hour	1:00 Hour	3:00 Hours
6	Yoga	1 :00 Hour		
7	Zumba	1 :00 Hour	1:00 Hour	3:00 Hours
8	Pranayama & Mediation	1 :00 Hour		
9	Postural Deformities Part I	1 :00 Hour	1:00 Hour	3:00 Hours
10	Use of Resistance Tube exercises for strength training	1 :00 Hour		
11	Abdominal Exercises, Squats, Planks and Lunges	1 :00 Hour	1:00 Hour	3:00 Hours
12	Healthy Habits & Diet Plan	1 :00 Hour		
13	Sticks Exercises, Wall Exercises	1 :00 Hour	1:00 Hour	3:00 Hours
14	Jogging, Walking and Running	1 :00 Hour		
15	Physical Fitness through Traditional Sports	1 :00 Hour	1:00 Hour	3:00 Hours
16	Importance of Physical Activities in Covid 19 Pandemic	1 :00 Hour		
17	Pushups/Dips, Specific Exercises, Skipping Rope	1 :00 Hour	1:00 Hour	3:00 Hours
18	Jobs Opportunities in the field Of Physical Fitness	1 :00 Hour		
19	Specific Exercises helps to Increase Height an Effective on burning Body Fats	1 :00 Hour	1:00 Hour	3:00 Hours
20	Postural Deformities Part II	1 :00 Hour		
21	Quiz/ Examination	7:00 AM To 5 :00 PM		10:00 Hours
Total Hours				38.50Hours

#### Time Table

**This course realted time table was shown in above brochure.**

## Registration Details

Organizing Committee is proud to announce that total registration for this Certificate Course in Physical Fitness is 714 out of these registration 03 participants from Pakistan and Bangladesh.

Sr. No.	State	Country	No. of Participants
1	Andhra Pradesh	India	1
2	Arunachal Pradesh	India	1
3	Assam	India	20
4	Bihar	India	5
5	Chandigarh	India	1
6	Chhattisgarh	India	3
7	Delhi	India	27
8	Goa	India	2
9	Gujarat	India	20
10	Haryana	India	5
11	Himachal Pradesh	India	28
12	Jammu & Kashmir	India	7
13	Jharkhand	India	7
14	Karnataka	India	2
15	Kerala	India	2
16	Ladakh	India	4
17	Madhya Pradesh	India	20
18	Maharashtra	India	470
19	Manipur	India	1
20	Meghalaya	India	1
21	Odisha	India	2
22	Punjab	India	3
23	Rajasthan	India	12
24	Sikkim	India	1
25	Tamil Nadu	India	30
26	Telangana	India	3
27	Uttarakhand	India	2
28	Uttar Pradesh	India	21
29	West Bengal	India	10
30	Chittagong	Bangladesh	1
31	Distt Bajaur Khyber Pakhtunkhwa	Pakistan	2
		<b>Total</b>	<b>714</b>



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**Online**  
**Certificate Course in Physical Fitness**  
Dt. 5<sup>th</sup> to 15<sup>th</sup> June 2021

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**Fitness Task Force**

**No Fees**

**Open to All**

**Links / URL**

<b>Date</b>	<b>Event/Classes</b>	<b>Name of Expert</b>	<b>Links /URL</b>
5 <sup>th</sup> June 2021	Opening Ceremony		
	<b>Concept of Physical Fitness</b>	<b>Dr. R. D. Chandrawanshi</b> DPES, Shri R.L.T. College of Science, Akola	<a href="https://www.youtube.com/watch?v=AqUm57yB6Cg&amp;t=1536s">https://www.youtube.com/watch?v=AqUm57yB6Cg&amp;t=1536s</a>
Informative & Practical Session- <b>Stretching Exercises</b>			
6 <sup>th</sup> June 2021	Informative & Practical Session- <b>Warm up Exercises</b>	<b>Dr. R.M. Kadam</b> DPES, B.B. Arts, N.B. Commerce & B.P. Science College, Digras	<a href="https://www.youtube.com/watch?v=FwnMKt740Po&amp;t=473s">https://www.youtube.com/watch?v=FwnMKt740Po&amp;t=473s</a>
	Informative & Practical Session- <b>Suryanamaskar</b>	<b>Mr. Dhananjay Bhagat</b> Director, Ajinkya Fitness Park, Akola	
7 <sup>th</sup> June 2021	Informative & Practical Session- <b>Aerobics</b>	<b>Dr. Shweta Mendhe</b> DPES, Smt. R.D.G. College for Women, Akola	<a href="https://www.youtube.com/watch?v=j4ZFpt5u2CQ&amp;t=422s">https://www.youtube.com/watch?v=j4ZFpt5u2CQ&amp;t=422s</a>
	Informative & Practical Session- <b>Yoga</b>	<b>Dr. Babarao Sangle</b> DPES, Bapumiya Sirajoddin Patel Arts, Commerce & Sci. College, Pimpalgaon Kale	
8 <sup>th</sup> June 2021	Informative & Practical Session- <b>Zumba</b>	<b>Ms. Kanchan Wagh</b> Aerobics & Zumba Instructor University Color Holder 24 Fitness Center, Akola	<a href="https://www.youtube.com/watch?v=4UiaIUmbCU&amp;t=2672s">https://www.youtube.com/watch?v=4UiaIUmbCU&amp;t=2672s</a>
	Informative & Practical Session- <b>Pranayama &amp; Meditation</b>	<b>Dr. V.A. Khodaskar</b> DPES, Nehru Mahavidyalaya, Nerparsopant, Yavatmal	
9 <sup>th</sup> June 2021	Informative & Practical Session - <b>Postural Deformities-I</b>	<b>Dr. Pravin Dabre</b> DPES, Shripad Krushna Kolhatkar Mah., JaglaonJamod	<a href="https://www.youtube.com/watch?v=H8AIWb1nd0&amp;t=160s">https://www.youtube.com/watch?v=H8AIWb1nd0&amp;t=160s</a>
	Informative & Practical Session- <b>Use of Resistance Tube exercises for strength training</b>	<b>Dr. Shirish Topare</b> DPES, Bharatiya Mah., Morshi Amravati	

<b>Date</b>	<b>Event/Classes</b>	<b>Name of Expert</b>	<b>Links /URL</b>
10 <sup>th</sup> June 2021	<b>Informative &amp; Practical Session- Abdominal Exercises, Squats, Planks and Lunges</b>	<b>Mr. Anuj Kela</b> Fitness Trainer & Nutritionist P.G. Student of M.P.Ed., PGTD Dept. SGBAU, Amravati	<a href="https://www.youtube.com/watch?v=GB7ujyVPv18&amp;t=7037s">https://www.youtube.com/watch?v=GB7ujyVPv18&amp;t=7037s</a>
	<b>Informative Session- Healthy Habits &amp; Diet Plan</b>	<b>Dr. Nilima Tingre</b> Dietitian Ajinkya Fitness Park, Akola	
11 <sup>th</sup> June 2021	<b>Informative &amp; Practical Session- Sticks Exercises, Wall Exercises</b>	<b>Mr. Abhijit Sayre</b> Gold Medal in Ashtedo Akhada International Tournament Expert in Stick Practice, Akola	<a href="https://www.youtube.com/watch?v=FJEMeKx2wqE&amp;t=7170s">https://www.youtube.com/watch?v=FJEMeKx2wqE&amp;t=7170s</a>
	<b>Informative &amp; Practical Session- Jogging, Walking and Running</b>	<b>Dr. Atul Patil</b> DPES, R.D.I. K. College, Badnera, Amravati	
12 <sup>th</sup> June 2021	<b>Informative &amp; Practical Session- Physical Fitness through Traditional Sports</b>	<b>Dr. Rakesh Badgujar</b> Exe. Member of Sports Authority of India, Director, Badgujar Sports Academy, Amravati	<a href="https://www.youtube.com/watch?v=2pkadaHY74g&amp;t=1833s">https://www.youtube.com/watch?v=2pkadaHY74g&amp;t=1833s</a>
	<b>Informative Session- Importance of Physical Activities in Covid 19 Pandemic</b>	<b>Dr. Sagar Narkhede</b> DPES, Saraswati Kala Mahavidyalaya, Dahihanda, Akola	
13 <sup>th</sup> June 2021	<b>Informative &amp; Practical Session- Pushups/Dips, Specific Exercises, Skipping Rope</b>	<b>Mr. Abhishek Kuma r</b> Fitness Trainer & Coach Short NIS in Boxing New Delhi	<a href="https://www.youtube.com/watch?v=bPX7MP_2Srg">https://www.youtube.com/watch?v=bPX7MP_2Srg</a>
	<b>Informative Session- Jobs Opportunities in the field Of Physical Fitness</b>	<b>Dr. K.R Lathi</b> Physical Education Teacher Shri R.L.T. College of Science, Akola	
14 <sup>th</sup> June 2021	<b>Practical Session- Specific Exercises for Increase of Height an Effective on burning Body Fats</b>	<b>Mr. Akshay Tiwari</b> Fitness Trainer & Nutritionist Enfield Fitness Center, Akola	<a href="https://www.youtube.com/watch?v=rCZw1zscZFU">https://www.youtube.com/watch?v=rCZw1zscZFU</a>
	<b>Informative &amp; Practical Session - Postural Deformities-II</b>	<b>Dr. Pravin Dabre</b> DPES, Shripad Krushna Kolhatkar Mah., Jaglaon Jamod	
	<b>Last Session- Group Discussion, Quiz related Guidance, Feedback</b>	Course organizing Committee Members and Participants	
15 <sup>h</sup> June 2021	<b>Quiz, Photos &amp; Feedback</b>	Online 7:00 AM To 5:00 PM	<a href="https://forms.gle/xB1hbrDr9ko7oxpE9">https://forms.gle/xB1hbrDr9ko7oxpE9</a>

### **Quiz/Examination**

302 participants were appeared in online Quiz/Examination held on 15<sup>th</sup> June 2021 and passed.



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Re-accredited 'A' Grade by NAAC with CGPA 3.12

**Department of Physical Education and Sports**  
**I.Q.A.C. In collaboration with**

**Ajinkya Fitness Park, Akola**

**Certificate Course in Physical Fitness**



Be Active & Stay  
Healthy at Home.



This is to certify that

**Swapnanil Sarmah**

has successfully completed Online Certificate Course in Physical  
Fitness of duration of 11 days from 5th to 15th June 2021.

**Mr. Dhananjay Bhagat**  
Director

**Dr. R.D. Chandrawanshi**  
Course Coordinator

**Dr. V.D. Nanoty**  
Principal

Ajinkya Fitness Park, Akola Director of Physical Edu.& Sports Shri R.L.T.College of Sci., Akola

Fit, Fine and Full Knowledge in Mind then Life will Shine .

Cert.No. 1



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Be Active & Stay  
Healthy at Home.



This is to certify that

**HIROK JYOTI BARUAH**

has participated in Online Certificate Course in Physical Fitness of  
duration of 11 days from 5th to 15th June 2021.

**Mr. Dhananjay Bhagat**  
Director

**Dr. R.D. Chandrawanshi**  
Course Coordinator

**Dr. V.D. Nanoty**  
Principal

Ajinkya Fitness Park, Akola Director of Physical Edu.&Sports Shri R.L.T.College of Sci., Akola

Fit, Fine and Full Knowledge in Mind then Life will Shine.

Cert.No. CPF- 005

**Sports Committee Members**

1. Dr. R.D.Chandrawanshi Chairman
2. Dr. R.L. Rahatgaonkar Member
3. Prof. V.N. Badgujar Member
4. Prof. S.B. Tada m Member



# Department of Physics

## REPORT

In this academic year total 627 students enrolled in the department, out of which 170 students enrolled in B.Sc.-I, 198 students in B.Sc.-II and 259 students in B.Sc.-III year. The department of Physics has received approval from the Government of Maharashtra and S.G.B.A.U. Amravati to start M.Sc. Physics (P. G.) on non-grand basis.

The teaching staff of the department, Shri P. P. Gedam, Dr. R. M. Agrawal and Shri S. R. Jaiswal has published research articles in reputed national and international journals and conferences. Abhishek Makode from B.Sc.-II (P2) got 2nd prize in "Online Presentation and demonstration of Physics experiment competition" at Shivaji Science College, Amravati on the occasion of National Science Day, under the guidance of Shri S. R. Jaiswal.

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 P. P. Gedam and Shri S.R. Jaiswal were worked as an organisers of the program.

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 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. 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.

Diploma Course in Astronomy has conducted by Physics department. Shri S. R. Jaiswal has worked as a coordinator of the course. Total 23 students were admitted in the course. The course has been conducted online/offline mode by Shri S. R. Jaiswal.

Shri S.R. Jaiswal delivered Guest Lectures in various interuniversity colleges which are given below :

- Online short term course on Research Methodology at Shri R. L. T. College of Science, Akola.
- One day online workshop on Development of E-content for teaching and learning at M.S.P. Arts, Science and K. P. T. Commerce College, Manora.
- Online guest lecture on Phases of Moon and Formation of Hindu Calendar at J.D. Patil Sangludkar Mahavidyalaya, Daryapur.
- Online add-on course on Digital Skills for Creative Students-Teacher (Disc) at Government College of Education, Akola and Yawatmal.

Shri S.R. Jaiswal Participated and successfully completed online Course on Space Technology and Application at Indian Institute of Remote Sensing (IIRS)-Indian Space Research Organisation (ISRO).

HOD  
Physics

# Department of Zoology

## REPORT

### DEPARTMENTAL ACTIVITIES :

#### A) WILD LIFE CONSERVATION WEEK PROGRAM : (2-7 October 2020)

Sr. No.	Date	Name of the Event	Coordinator / Teacher In-Charge
1	2 <sup>nd</sup> to 7 <sup>th</sup> Oct. 2020	Article Writing Competition on the topic <b>“Wonderful World of Butterflies”</b> .	Dr. Archana S. Sawarkar
2	3 <sup>rd</sup> to 6 <sup>th</sup> Oct. 2020	Essay writing Competition <b>TOPIC : Impact of Covid-19 Pandemic on Wild-life and Environment.</b>	Dr. Rashmi P. Joshi
3	4/10/2020	Wild Life Documentary	Dr. S.M. Nagrale & Dr. Rashmi P. Joshi
4	5/10/2020	Mobile Photography Competition on <b>“Wild Life &amp; Nature”</b>	Dr. S.M. Nagrale
5	6/10/2020	Quiz Competition on <b>“Wild Life Conservation”</b>	Dr. Rashmi P. Joshi & Dr. S.M. Nagrale
6	7/10/2020	<b>Results</b> of the events conducted was declared.	

#### 1. Essay writing Competition

##### Topic : Impact of Covid-19 Pandemic on Wild-life and Environment.

ZEBRA Cell, Department of Zoology celebrated **World Wildlife Week- 2020** by organizing **Virtual Essay Competition** on the topic: **“Impact of Covid-19 Pandemic on Wild-life and Environment”**. The activity was conducted for all the B.Sc. students to create awareness about wild life conservation and to aware the students about the Covid -19 Pandemic effect on wildlife. The competition was conducted by 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. About 35 essays were selected as good one and out of best 3 were selected for 1<sup>st</sup>, 2<sup>nd</sup>, 3<sup>rd</sup> and 2 consolation prizes by the Jury, Dr. Poonam T. Agrawal, H.O.D. of Chemistry, Shri R.L.T College of Science, Akola. The winners List and Result was declared on last day of week, i.e. 7/10/2020.

#### 2. Wild life Documentary show

On 4<sup>th</sup> of October 2020 while celebration the International Wild Life Week the day was scheduled for the documentary on Tiger, Tiger Poaching Tiger Census, Conservation of Tigers in India. All the Students from Life Sciences were shown the documentary at 11:00 am. The two short films of 30 minutes was shown and links were uploaded in all the Google Classrooms of life sciences. The students got knowledge and through these films they aware about the Tigers, there territory and How the Greedy Human Being's destroys the animal and then the ecosystem.

#### 3. Mobile photography Competition : Wild life and Nature

On the occasion of celebration of Wildlife conservation week, on **5<sup>th</sup> October 2020** , Department of Zoology, ZEBRA cell organized **Mobile Photography Competition on theme ‘ Wildlife and Nature’**. More than 37 students participate in the photography competition.

Students submitted their mobile clicked photograph online on competition website. Judges, Mr. Shailendra Madavi and Mr. Kushal Senad selected the photographs which were purely based on theme and awarded by ranks 1<sup>st</sup>, 2<sup>nd</sup>, 3<sup>rd</sup> and two consolation prizes.

#### 4. Quiz Competition on Wild life Conservation

On the occasion of celebration of Wildlife conservation week, on **5<sup>th</sup> October 2020**, Department of Zoology, ZEBRA cell organised **Quiz Competition on theme 'Wildlife Conservation'**. More than 77 students participate in competition. Students solved the online quiz provided by Google form. Judges, Students were awarded by ranks 1<sup>st</sup>, 2<sup>nd</sup>, 3<sup>rd</sup> and two consolation prizes.

Sr. No.	Conducted from Date	Name of the Event	Position of Winners	Name of Winner Students
1	2 <sup>nd</sup> to 7 <sup>th</sup> Oct. 2020	Article Writing Competition on the topic <b>"Wonderful World of Butterflies"</b> .	I st	Ku. Twinkle R. Gawai (B.Sc. II /B5)
			II nd	Ku. Nikita J. Tembhekar (B.Sc. II /B6)
			III rd	Ku. Sakshi S. Khade (B.Sc. III /B5)
			Consolation 1	Mr. Pratik S. Wankhade (B.Sc. II/ B5)
			Consolation 2	Ku. Samiksha S. Lingayat (B.Sc.II/ B5)
2	3 <sup>rd</sup> to 6 <sup>th</sup> Oct. 2020	Essay writing Competition <b>TOPIC: Impact of Covid-19 Pandemic on Wild-life and Environment.</b>	I st	Ku. Harsha Saraf (B.Sc. I/ B3)
			II nd	Ku. Dhanashree V. Gathekar (BSc III/B5)
			III rd	Ku. Amina Shaikh (B.Sc. I / B3)
			Consolation 1	Ku. Uzma Saher (B.Sc. I/ B5)
			Consolation 2	Ku. Juvairiya Sadiya Naseer Khan (B.Sc. I/ B3)
3	5/10/2020	Mobile Photography Competition on <b>"Wild Life &amp; Nature"</b>	I st	Disha Pandey (B.Sc. II /B6)
			II nd	Vaishali Chavale (B.Sc.II /B5)
			III rd	Pratiksha Pawar (B.Sc. I /B5)
			Consolation 1	Rutuza Badhe (B.Sc. I /B5)
			Consolation 2	Sonal Gawande (B.Sc. I)
4	6/10/2020	Quiz Competition on <b>"Wild Life Conservation"</b>	I st	Ku. Saima Parveen (B.Sc. I/ B5)
			II nd	Rushabh Rajendra Ingole (B.Sc. III /B5)
			III rd	Ku. Sakshi DilipKhandekar (BSc II/ B5)
			Consolation 1	Ku. Aishwarya Sunil Sonone (BSc III /B5)
			Consolation 2	Samreenfirdous shaikh Sadique (B.Sc. I/ B5)

#### B) WALL MAGAZINE - BESST (2-7 Oct. 2020)

ZEBRA Club, Department of Zoology celebrated **Wildlife Week- 2020** by organizing online **Article Writing Competition** on topic **Wonderful World of Butterflies**. Students of life sciences participated in the competition. In their huge response, participants narrated about Butterfly diversity, Life cycle of butterflies, Plant butterfly relationship, Ecological importance of butterflies, Need of butterfly conservation and many more topics related to butterfly. Thus, we tried to make a

small contribution in creating awareness about this small wonderful insect.

Mr. Shailendra V. Madavi and Dr. A.S. Sawarkar worked as jury members of the competition. The event was organised by Dr. Archana Sawarkar and Dr. Sudhir Kohchale. Some selected articles were displayed on student's Wall magazine **BESST** (Biological & Environmental Studies with Social Temperament).

### **C) E-CERTIFICATE COURSE IN APICULTURE (27/6/2021 to 2/7/2021)**

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.

**Dr. S.M. Nagrale**  
H.O.D.  
Department of Zoology

# Environmental Cell

## REPORT

### **Celebration of 'Krush Divas'**

On 1 July 2021 by Dept. of Botany & Environment Cell celebrated 'Krush Divas'. Plantation of medicinal plants useful for environment were planted in the campus in presence of Resp. Principal Dr. V. D. Nanoty Sir & Dr. Chandravanshi Sir. All the members of Environmental Cell & Non-Teaching staff were present in this event.

### **Plantation on Independence Day 15<sup>th</sup> August**

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 produced plants were planted. Outdoor plants like Tecomastans, Nyctanthesarbor-tristis, Sapindusmukorossi, Bauhinia recemosa, Putranjivaroxburghi, Dalbergiasisoo, Anthocephaluscadamba, Moringaolifera, Murrayakoenigi, Neriumindica & Some Indoor or In shade plants likeOcimum sanctum, Ficusbenjamina, Dypsislutescens, Dracenastrifasciata were planted.

### **Awareness programme for saving Electricity on 26th August 2021**

Shri R.L.T. College of Science, Akola and EFEC (Environment and Forest Education Center) jointly organised an awareness program to save electricity, paper and energy. Posters carrying message for Environment conservation were released. Stickers that displays the message of protecting Environment, saving electricity, papers and energy were posted on key places in College premises. Mr. Uday Vaze of EFEC explained how to avoid misuse of resources and save Environment from pollution. In Presidential address Principal Dr. V. D. Nanoty sir appreciate the green initiative of EFEC and Environment cell of the college.

All members of Environment cell and Criterion VII participated in the event.

### **Plastic Free Environment Campaign**

On 13<sup>th</sup> August 2021 was initiated Plastic free Environment Campaign in presence of Principal Dr. V. D. Nanoty Sir & Members of Environmental Cell & N.S.S. in College campus.

### **Participation of students in Various Environment competition**

Our student Ms. Pradnya M. Bhatkule (B.Sc.II) participated & won second prize in "I Restore Earth" Competition organised by Green Army Club & I.Q.A.C. of Vinayak Vidghyan Mahavidyalaya, Nandgoan on World Earth Day Celebration 22nd April, 2021

**Prof. Mrs. V. N. Badgujar**  
Co-ordinator Environmental Cell  
Asst. Prof. & Head Dept. of Botany

# Sky Observation Club

## REPORT

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, due to COVID-19 Pandemic all activities of sky observation club have been conducted in online mode. The regular meetings, guidance classes and various activities are held throughout the session via google meets and zoom meeting. For the observation of the sky students has been used sky map application of mobile phones and find the astronomical objects in the sky. Students also took the valuable information about *Telescope and Star Dials* in astronomical gallery.

Sky observation Club in collaboration with department of Physics has also been conducted “Diploma Course in Astronomy” under 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. Total 23 students were admitted in the course. The course has been conducted online/offline mode by Shri S. R. Jaiswal and covered 200 hours of teaching (Theory + Practical’s).

**Shri S. R. Jaiswal**  
Co-ordinator, Dip. Course & SOC

**Dr. V. D. Nanoty**  
Principal

# National Cadet Corps

## REPORT

The strength of NCC Cadets in this year is 50 cadets.

Strength of Cadets in year 2020-21

Year	SD	SW	NCC Cdt
I	21	08	29
II	18	11	29
III	14	07	21
Total	53	26	79

It is pleased to highlight the activities run by NCC Unit.

- 27 NCC Cadets are take part and performing Yoga on the occasion of International Yoga Day which is held every year on 21st June 2020.
- 53 Cadets were participated in Independence Day Flag hosting program at Shri R.L.T. College on 15th Aug. 2020.
- Enrolment of NCC cadets took place on 25th Sept. 2020. There is total 08 girl cadets and 21 boy cadets were enrolled in NCC 1st year.
- 40 cadets participated in Tree plantation programme in college on 15th Aug. 2020.
- Covid-19 awareness programmed was organised via online mode by the NCC Cadet on dated 26th Sept. 2020.
- 27 cadets are taken part in “Shwachta Abhiyan” programme in which cadets with ANO clean the college campus Civil Line area on 02nd Oct. 2020.
- On the occasion of Death Anniversary of Hon’ble former Principal M.G. Joshi Sir NCC Unit of this college organise and participated in Blood donation Camp in college auditorium in which 05 NCC Cadets donate blood on 24th Dec. 2020.
- 56 Cadets were participated in Republic Day Flag hosting program at Shri R.L.T. College on 26th Jan. 2021.
- 27 Cadets are appeared for B-cert exam.-2020.
- 21 Cadets are appeared for C-cert exam.-2020.

**Lt. Dr. R.M. Agrawal**  
Associate NCC Officer

# राष्ट्रीय सेवा योजना

## नियमित अहवाल

### वृक्षारोपण :

१२ जुलै २०२० रोजी वन विभाग यांच्या सहकार्याने वृक्षारोपण कार्यक्रमांतर्गत वृक्ष लागवड व रोपट्यांचे वितरण करण्यात आले. हे कार्यक्रम शिवापूर, अकोला (वन महोत्सव) येथे करण्यात आले. एनएसएसच्या स्वयंसेवकांनी शिवापूर परिसरामध्ये सुमारे ३० झाडे लावली. एन.एस.एस. च्या कार्यक्रम अधिकारी डॉ. रश्मी जोशी यांच्यासह स्वयंसेवक आणि वन अधिकारी श्री. आवे, श्री. गिते, श्री. गोंदाणे यांनी वृक्षारोपण अभियानाच्या यशस्विते करिता परिश्रम केले.

**दि. १२ ऑगस्ट २०२० :** विद्यापीठातील निर्देशानुसार विद्यार्थ्यांची प्रवेश प्रक्रिया सुरु होती. कोरोना काळातील ह्या प्रवेश प्रक्रिये दरम्यान कोणी कोरोना बाधित होता कामा नये म्हणून रासेयो विभागाकडून सावधगिरी म्हणून महाविद्यालयातील परिसरात कोरोना महामारीपासून बचाव करण्याकरिता विद्यार्थी व शिक्षक, शिक्षकेतर कर्मचाऱ्यांकरिता "Sanitizer Pedal Stand" ठेवण्यात आले. महाविद्यालयाचे प्राचार्य डॉ. व्ही.डी. नानोटी ह्यांच्या हस्ते त्याचे उद्घाटन करून महाविद्यालयाच्या मुख्य प्रवेश द्वाराजवळ हे "Sanitizer Pedal Stand" ठेवण्यात आले. विविध ठिकाणी "NO MASK - NO ENTRY" चे फलक लावण्यात आले.

### दि. १३ ऑगस्ट २०२० ला निबंध स्पर्धा व पोस्टर स्पर्धेचे आयोजन

दि. १३ ऑगस्ट २०२० रोजी प्रशासनाने दिलेल्या निर्देशानुसार श्री रा.ल.तो. विज्ञान महाविद्यालयाच्या रा.से.यो. चमू आणि भाषा विभागाकडून विविध स्पर्धांचे ऑनलाईन आयोजन करण्यात आले होते. त्यामध्ये वर्ग ९ वी ते १२ वी पर्यंतच्या विद्यार्थ्यांच्या निबंध स्पर्धा आणि पोस्टर स्पर्धा घेण्यात आल्या. निबंध व पोस्टर ह्या दोन्ही स्पर्धा "गंदगी मुक्त मेरा गाव" ह्या विषयावर आधारित होती. विद्यार्थ्यांचा उत्स्फूर्त प्रतिसाद लाभला. विद्यार्थ्यांनी विविध माध्यमातून "गंदगी मुक्त मेरा गाव" या विषयावर जनजागृती केली.

**दि. १४ ऑगस्ट २०२० :** श्री रा.ल.तो. च्या रा.से.यो. चमूने दत्तक ग्राम येथे दि. १४ ऑगस्ट २०२० रोजी रोपट्यांचे वितरण केले व गावातील विविध ठिकाणी वृक्षारोपणाचा कार्यक्रम राबविला. दि. १५ ऑगस्ट २०२० ला महाविद्यालय परिसरातील रोपवाटिकेत मा.प्राचार्य डॉ. व्ही.डी. नानोटी व IQAC समन्वयक डॉ. आर.एल. रहाटगांवकर ह्यांच्या हस्ते वृक्षारोपण करण्यात आले. कार्यक्रमाला शिक्षक वृंद व शिक्षकेतर कर्मचारी उपस्थित होते.

**दि. १५ ऑगस्ट २०२० :** दत्तक ग्राम आपोती खुर्द (आपातापा) येथे आरोग्यवर्धिनी केंद्र आणि ग्राम-पंचायत कार्यालयात कोरोना प्रादुर्भाव पासून मुक्त करण्याकरिता रासेयो कडून निर्जंतुकीकरण करण्यात आले.

कोरोना महामारीच्या काळात स्वतःचे व इतरांचे बचाव करण्याकरिता दत्तक ग्राम आपोती खुर्द येथील प्राथमिक स्वास्थ्य केंद्र आपातापा व ग्राम पंचायत आपातापा ह्या दोन्ही ठिकाणी श्री रा.ल.तो. विज्ञान महाविद्यालयाच्या रासेयोच्या कार्यक्रम अधिकारी डॉ. रश्मी जोशी व काही स्वयंसेवकांकडून सेनिटाईजेशन करण्यात आले. PHC येथे दत्तक ग्रामचे उपसरपंच डॉ. उमेश बोपटे PHC Co-ordinator डॉ. हर्षवर्धन बर्डे व Pharmacist आठवले मॅडम ह्यांचे सहकार्य लाभले.

### दि. २ ऑक्टोबर २०२० – महात्मा गांधी जयंती :

राष्ट्रपिता महात्मा गांधी यांचे जयंतीचे औचित्य साधून आणि COVID-19 च्या मार्गदर्शक नियमांचे पालन



करून, मास्कचे वापर, सामाजिक अंतर ठेवून श्री रा.ल.तो. महाविद्यालयाच्या रासेयो पथकाने स्वच्छता दूतांचे सत्कार केले व त्यांना मास्क चे आणि Sanitizer प्रदान केले. सर्वप्रथम राष्ट्रपिता महात्मा गांधी व लाल बहादूर शास्त्री जयंती निमित्त प्रतिमेचे पूजन करून त्यांना आदरांजली वाहिली. स्वच्छ भारत स्वस्थ भारत अभियान अंतर्गत स्वच्छता दूतांनी महाविद्यालयाचे परिसर, वर्ग खोल्या स्वच्छ केल्या व संपूर्ण परिसराला Sanitize करण्यात आले.

#### **दि. १५ आक्टोबर २०२० – एक दिवसीय राष्ट्रीय कार्यशाळा NEP 2020 (राष्ट्रीय शैक्षणिक धोरण) :**

श्री आर.एल.टी. कॉलेज ऑफ सायन्स अकोलाच्या एन.एस.एस. युनिट आणि IQAC ने भारत सरकारच्या शिक्षण मंत्रालयाच्या सौजन्याने NEP 2020 (राष्ट्रीय शैक्षणिक धोरण – उच्च शैक्षणिक संस्थांसाठी सामाजिक उद्योजकता निर्माण करणे) वर एक दिवसीय आभासी कार्यशाळेचे आयोजन केले. ह्या कार्यशाळेच्या माध्यमातून विद्यार्थ्यांना उद्योजकता कशी निर्माण करावी व विद्यार्थ्यांच्या सुप्त गुणांना वाव देण्याकरिता एक दिवसीय Skill Development कार्यशाळेचे आयोजन रासेयो च्या कार्यक्रम अधिकारी डॉ. रश्मी जोशी सावलकर ह्यांनी केले. कार्यशाळेसाठी रिसोर्स पर्सन म्हणून श्री. अभिषेक रंजन (MGNCRE, MoE) हे लाभले होते.

#### **दि. २८ नोव्हेंबर २०२० – महात्मा ज्योतिबा फुले ह्यांची पुण्यतिथी :**

लोकांमध्ये शिक्षणाचे बी रोवणारे, क्रांतीसूर्य महात्मा ज्योतिबा फुले ह्यांच्या पुण्यतिथी निमित्त अभिवादन कार्यक्रम घेण्यात आले. विद्यार्थ्यांना आभासी पद्धतीने महात्मा फुलेंच्या कार्याबद्दल माहिती करून देण्यात आली.

#### **संविधान सप्ताह साजरा (दि. २४ नोव्हेंबर ते २ डिसेंबर २०२०)**

२६ नोव्हेंबर ला रासेयो पथकाद्वारे संविधान दिवस साजरा केला गेला. संविधान उद्देशिकाचे वाचन करण्यात आले. संविधानचा मान राखण्याबद्दल शपथ देण्यात आली.

#### **दि. २४ डिसेंबर २०२० – रक्तदान शिबीर :**

आपल्या देशात मागील १ वर्षापासून COVID-19 चा प्रादुर्भाव असल्यामुळे राज्यात रक्ताचा तुटवडा मोठ्या प्रमाणात निर्माण झाला होता. राज्य सरकारने केलेल्या आव्हानाला सरसावून राष्ट्रीय सेवा योजनेने हे आव्हान स्वीकारले व त्याला यशस्वीरित्या पूर्णत्वास आणले. रा.से.यो. च्या माध्यमातून रक्तदान शिबिरांचे आयोजन करून रक्ताचा साठा निर्माण करण्यात आला. “रक्तदान – श्रेष्ठदान” या संकल्पनेतून हे सामाजिक कर्तव्य पार पाडण्यात आले. “चला तर मग रक्तदान करू या.... सामाजिक बांधिलकी जपूया” ही भावना मनात बाळगून दि. २४ डिसेंबर २०२० रोजी श्री रा.ल.तो. विज्ञान महाविद्यालयातील रासेयो पथकाद्वारे रक्तदान शिबिराचे आयोजन करण्यात आले. स्वर्गीय प्राचार्य श्री.म.गो. जोशी ह्यांच्या स्मृति प्रित्यर्थ रक्तदान शिबिराचे प्रत्येक वर्षी २४ डिसेंबरला आयोजन करण्यात येते. ह्या वर्षी कोविड-१९ महामारीचा प्रादुर्भाव असतांना सुद्धा सामाजिक अंतर ठेवून व मास्क चे वापर करून हे सामाजिक कर्तव्य यशस्वीरित्या पार पाडले गेले. शासनाने दिलेल्या मार्गदर्शक सूचनांचे पालन करत ३१ रक्तदात्यांनी ह्या शिबिरात रक्तदान केले.

#### **रस्ता सुरक्षा सप्ताह :**

“रस्ता सुरक्षा सप्ताह” दर वर्षी जानेवारी महिन्यात साजरा केला जातो, पण २०२१ ला “रस्ता सुरक्षा महिना” (१८ जानेवारी ते १७ फेब्रुवारी) म्हणून साजरा करण्यात आले. श्री रा.ल.तो. विज्ञान महाविद्यालय, अकोलाचे रासेयो पथक व उप प्रादेशिक परिवहन कार्यालय, अकोला यांच्या संयुक्त विद्यमाने रस्ता सुरक्षा सप्ताहाचे आयोजन करण्यात आले. दि. ०४-०२-२०२१ रोजी अकोला शहरातील विविध ठिकाणी बस स्टँड, खुले नाट्यगृह, जिल्हाधिकारी कार्यालय व इतर ठिकाणी पथनाट्याच्या माध्यमातून जनजागृती करण्याचे कार्य रासेयो च्या विद्यार्थ्यांनी केले. महाविद्यालयाचे प्राचार्य डॉ. विजय नानोटी, मा. विनोद जिचकार, उप-प्रादेशिक परिवहन अधिकारी, मा. गोपाल

वरोकार, सहाय्यक प्रादेशिक वाहन अधिकारी, मा. प्रफुल्ल मेश्राम, मोटार वाहन निरीक्षक यांच्या विशेष उपस्थितीत आयोजन करण्यात आले. डॉ. रश्मी जोशी सावलकर, रासेयो कार्यक्रम अधिकारी आणि डॉ. सुधीर कोहचाळे, रासेयो क्षेत्रीय समन्वयक यांच्या उपस्थितीत विविध ठिकाणी रासेयो स्वयंसेवकांनी पथनाट्याच्या माध्यमातून जनजागृती केली. एन.एस.एस. युनिट तर्फे "रस्ता सुरक्षा: जीवन रक्षा" या विषयावर आभासी पद्धतीने प्रश्न मंजूषा स्पर्धेचे आयोजन केले. यामध्ये ३०० हून अधिक विद्यार्थ्यांनी सहभाग घेतला.

#### **दि. १९ फेब्रुवारी २०२० – छत्रपती शिवाजी महाराज जयंती :**

दि. १९ फेब्रुवारी २०२० रोजी छत्रपती शिवाजी महाराज जयंती साजरी करण्यात आली. कार्यक्रमाला अध्यक्ष म्हणून महाविद्यालयाचे प्राचार्य मा.डॉ. व्ही.डी. नानोटी, रासेयो कार्यक्रम अधिकारी डॉ. रश्मी जोशी, डॉ. समाधान मुंडे, शिक्षकेतर कर्मचारी युनिट प्रमुख श्री. चंद्रकांत अहिरकर हे उपस्थित होते.

#### **दि. २३ फेब्रुवारी २०२१ – संत गाडगे बाबा जयंती :**

रासेयो कार्यक्रम अधिकारी डॉ. समाधान मुंडे व डॉ. रश्मी जोशी सावलकर ह्यांनी महाविद्यालयाचे प्राचार्य डॉ. व्ही.डी. नानोटी ह्यांच्या अध्यक्षतेखाली संत गाडगे बाबा जयंती निमित्त अभिवादन कार्यक्रम घेवून विद्यार्थ्यांचे सोसीअल मिडियाच्या माध्यमातून उद्बोधन करण्यात आले.

#### **दि. ५ जून २०२१ – जागतिक पर्यावरण दिवस :**

डॉ. रश्मी जोशी सावलकर यांनी सेमिनार स्पर्धेचे आयोजन केले. सेमिनारचा विषय "Environment Restoration" हा होता. २७ स्पर्धकांनी भाग घेऊन स्पर्धा यशस्वीरित्या पार पाडली. ४ विजेत्यांना रोख बक्षीस देण्यात आले, प्रथम क्रमांकाला रु. ७००/-, द्वितीय ५००/-, तृतीय ३००/- आणि उत्तेजनार्थ २००/- देण्यात आले.

#### **दि. २१ जून २०२१ – आभासी पद्धतीने जागतिक योग दिवस साजरा :**

महाविद्यालयाचे रासेयो पथक आणि क्रीडा विभागा ह्यांच्या संयुक्त विद्यमाने आभासी पद्धतीने घेण्यात आले. २५० विद्यार्थ्यांनी सहभाग नोंदविला. अंजिक्य फिटनेसचे संचालक मा. धनंजय भगत ह्यांनी योगाचे प्रात्यक्षिक दाखवून स्वतःला फिट ठेवण्याचे आव्हान केले. कार्यक्रमाचे अध्यक्ष प्राचार्य मा. डॉ.व्ही.डी. नानोटी हे होते तर कार्यक्रमाचे आयोजन क्रीडा विभाग प्रमुख डॉ. राजेश चंद्रवंशी व रासेयो कार्यक्रम अधिकारी डॉ. रश्मी जोशी व डॉ. समाधान मुंडे यांनी केले. कार्यक्रमाच्या शेवटी डॉ. जोशी ह्यांनी सर्वांचे आभार मानले.

# Research Activity

## REPORT

### 3.3.2 Number of research papers per teachers in the journals notified on UGC website during the year

Title of paper	Name of the author/s	Department of the Teacher	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the journal
1. Studies on dental health status to correlate between detrimental food habits and oral hygiene: a questionnaire based survey	Dr. V. D. Nanoty, Ms. S. N. Gawande	Microbiology	International Journal of Dental Science and Innovative Research, 4(3), 278, 2021	2021	2581-5989	Nil
2. Non-aqueous potentiometric analysis of drug aceclofenac in bulk and single component pharmaceuticals	Dr. P. P. Deohate	Chemistry	Scholars Impact: International Multidisciplinary Multilingual Peer Reviewed Research Journal, 7(3), 230, 2020	2020	2394-7640 2394-7632	Nil
3. Synthesis of triazine linked pyrazole heterocyclics by conventional heating and microwave irradiative cyclocondensation and evaluation of antitubercular and antimicrobial potential	Dr. P. P. Deohate	Chemistry	Indian Journal of Chemistry, 59B, 1707, 2020	2020	0975-0983 0376-4699	UGC Care List-II(Scopus) <a href="https://www.scopus.com/sourceid/24111">https://www.scopus.com/sourceid/24111</a> UGC Care List-II (WoS) <a href="https://mjl.clarivate.com/searchresults?issn=0376-4699">https://mjl.clarivate.com/searchresults?issn=0376-4699</a>
4. Synthesis of pyrimidine linked pyrazole heterocyclics by microwave irradiative cyclocondensation and evaluation of	Dr. P. P. Deohate	Chemistry	Indian Journal of Chemistry, 60B, 611, 2021	2021	0975-0983 0376-4699	UGC Care List-II(Scopus) <a href="https://www.scopus.com/sourceid/24111">https://www.scopus.com/sourceid/24111</a> UGC Care List-II (WoS) <a href="https://mjl.clarivate.com/searchresults?issn=0376-4699">https://mjl.clarivate.com/searchresults?issn=0376-4699</a>

their insecticidal and antibacterial potential						vate.com:/searchresults?issn=0376-4699
5.A novel investigation of nanoparticles glucose penta acetate and their comparative study	Dr. P. T. Agrawal, Dr. A. G. Sarap	Chemistry	Vidyabharati International Interdisciplinary Research Journal, Sp., 263, 2020	2020	2319-4979	UGC Care List-II (WoS) <a href="https://mjl.clarivate.com:/searchresults?issn=2319-4979">https://mjl.clarivate.com:/searchresults?issn=2319-4979</a>
6.Nanoparticles of lactosyl thiocarbamides : synthesis and characterization	Dr. P. T. Agrawal, Mr. S. C. Zyate	Chemistry	Vidyabharati International Interdisciplinary Research Journal, Sp., 255, 2020	2020	2319-4979	UGC Care List-II (WoS) <a href="https://mjl.clarivate.com:/searchresults?issn=2319-4979">https://mjl.clarivate.com:/searchresults?issn=2319-4979</a>
7.Synthesis and characterization of nanoparticles of maltosylated thiocarbamides and derivatives	Dr. P. T. Agrawal	Chemistry	Vidyabharati International Interdisciplinary Research Journal, Sp., 259, 2020	2020	2319-4979	UGC Care List-II (WoS) <a href="https://mjl.clarivate.com:/searchresults?issn=2319-4979">https://mjl.clarivate.com:/searchresults?issn=2319-4979</a>
8.Synthesis of pyrazines and imidazoles using lemon juice (Citrus limon) as a recyclable catalyst	Dr. P. R. Kawle	Chemistry	Indian Journal of Chemistry, 59B, 1887, 2020	2020	0975-0983 0376-4699	UGC Care List-II(Scopus) <a href="https://www.scopus.com/sourcoid/24111">https://www.scopus.com/sourcoid/24111</a> UGC Care List-II (WoS) <a href="https://mjl.clarivate.com:/searchresults?issn=0376-4699">https://mjl.clarivate.com:/searchresults?issn=0376-4699</a>
9.Synthesis and characterization of some novel sugar containing 2,4-isodithiobiurets	Dr. K. M. Heda	Chemistry	International Journal of Chemical Sciences, 19(6), 410, 2021	2021	0972-768X	UGC Care List-II(Scopus) <a href="https://www.scopus.com/sourcoid/20400195007">https://www.scopus.com/sourcoid/20400195007</a>
10.Study of phytoplankton of lake Bhivapur, Tq.-Tiwasa, Dist. Amravati	Dr. P. M. Khadse	Botany	International Journal for Innovative Research in Multidisciplinary Field, 23(Sp.), 25, 2021	2021	2455-0620	Nil

11. Flowering phenology and pollen histochemical analysis of <i>Gossypium</i> Sp.	Dr. A. A. Sangole	Botany	International Journal of Science Technology and Management, 10(Sp.1), 88, 2021	2021	2394-1537	Nil
12. Phytochemical screening and analysis of selected medicinal plant in local area	Dr. A. A. Sangole	Botany	Scholars Impact: International Multidisciplinary Multilingual Peer Reviewed Research Journal, 7(3), 235, 2020	2020	2394-7640 2394-7632	Nil
13. Enzyme alterations in haemolymph of the silkworm, <i>Bombyx mori</i> during grasserie infection	Dr. R. P. Joshi	Zoology	Bioscience Biotechnology Research Communications , 14(2), 675, 2021	2021	2321-4007 0974-6455	UGC Care List-II (WoS) <a href="https://mjl.clarivate.com/searchresults?issn=0974-6455">https://mjl.clarivate.com/searchresults?issn=0974-6455</a>
14. Kaluza-Klein universe in $f(R,T)$ gravity with constant deceleration parameter in presence of quark matter	Dr. S. L. Munde	Mathematics	International Journal of Science and Research, 10(4), 852, 2021	2021	2319-7064	Nil
15. Bianchi type-III cosmological model with special form of deceleration parameter in $f(R,T)$ gravity	Dr. S. L. Munde	Mathematics	International Journal of Creative Research Thoughts, 9(4), 3659, 2021	2021	2320-2882	Nil
16. Kaluza-Klein cosmological model with quark and strange quark matter in $f(R,T)$ gravity	Dr. S. L. Munde	Mathematics	International Journal of Advanced Research, 9(4), 264, 2021	2021	2320-5407	Nil
17. Pure zinc oxide based nono thick film for water vapour sensing	Dr. R. M. Agrawal	Physics	Scholars Impact: International Multidisciplinary Multilingual Peer Reviewed	2020	2394-7640 2394-7632	Nil

application			Research Journal, 7(3), 289, 2020			
18. CuO activated ZnO thick films for H <sub>2</sub> S gas sensor at lower temperature	Dr. R. M. Agrawal	Physics	Scholars Impact: International Multidisciplinary Multilingual Peer Reviewed Research Journal, 7(4), 113, 2020	2020	2394-7640 2394-7632	Nil
19. Improvement of quantum efficiency through Gd <sup>3+</sup> to Eu <sup>3+</sup> energy transfer in YF <sub>3</sub> phosphor	Mr. S. R. Jaiswal	Physics	Luminescence, 1, 2021	2021	1522-7235 1522-7243	UGC Care List-II (Scopus) <a href="https://www.scopus.com/sourceid/26988">https://www.scopus.com/sourceid/26988</a> UGC Care List-II (WoS) <a href="https://mjl.clarivate.com/searchresults?issn=1522-7235">https://mjl.clarivate.com/searchresults?issn=1522-7235</a>
20. Energy transfer process in MgF <sub>2</sub> : Gd <sup>3+</sup> , Eu <sup>3+</sup> phosphor : application to visible quantum cutting	Mr. S. R. Jaiswal	Physics	International Journal of Scientific Research in Science and Technology, 8(1), 272, 2021	2021	2395-602X 2395-6011	Nil
21. Optically stimulated luminescence (OSL) properties of CaF <sub>2</sub> : Ce phosphor for radiation dosimetry	Mr. S. R. Jaiswal	Physics	International Journal of Scientific Research in Science and Technology, 8(1), 133, 2021	2021	2395-602X 2395-6011	Nil
22. Strengthen immunity for Covid-19 pandemic period	Dr. R. D. Chandrawanshi	Physical Education	Research Nebula, Sp., 97, 2020	2020	2277-8071	Nil

# Alumni Committee

## REPORT

Prof. R.D. Chaudhari	:	Chairman
Prof. R.G. Chavan	:	Alumni Sr. Member
Dr. P. T. Agrawal	:	Member
Prof. R. B. Ghayalkar	:	Member

**Permanent Registration No. : F-20205**

### Registered Alumni Committee Members

1)	Shri Deepak Mayee	–	President
2)	Shri Prashant Bule	–	Vice –President
3)	Shri R.D. Chaudhari	–	Secretary
4)	Dr. V.D. Nanoty	–	Member / Principal
5)	Shri R.G. Chavan	–	Member
6)	Dr. R.L. Rahatgaokar	–	Member
7)	Dr. Poonam T. Agrawal	–	Member
8)	Shri Sunil T. Patil	–	Member
9)	Shri Sunil M. Jadhao	–	Member
10)	Dr. Jayshree V. Bhale	–	Member
11)	Dr. Ashivini S. Morwal	–	Member

### Account Details :

Name	:	Shri R.L.T. College of Science Alumni Association, Akola
Account No.	:	3858820618
IFSC Code	:	CBIN0283820
Bank	:	Central Bank of India RLT Branch, Akola

### Account Statement :

Balancing Amount on Dated 27/08/2021 - Rs. 70184/-

### Alumni meeting in the year 2020-21 :

Sr.No.	Date of meetings
1	Online meeting 20th June 2020
2	Online meeting 10th September 2020
3	12th December 2020
4	24th December 2020
5	20th June 2021

### **1) Blood Donation Camp and Alumni Day 24 Dec 2020 :-**

For the inauguration of Late Principal M.G.Joshi Memorial day Programme on 24<sup>th</sup> Dec. 2020 our college alumna Sau. Andhare Madam, Lecturer, Dept. of Mathematics, Shri R.L.T. College of Science, Akola felicitated and inaugurated the programme in presence of Hon. Adv. M. G. Mohata, President, The B.G.E. Society, Akola and Shri Pawanaji Maheshwari, Secretary, The B.G.E. Society, Akola, Shri Vijaykumar Toshnival, Sr. Vice-President, Shri Abhijitaji Paranjape Jt. Secretary and Dr. Ravindra Jain, Jr. Vice President of the BGE Society, Akola gives the message to our students and felicitated the meritorious students.

### **2) Corona warriors felicitation :-**

Seven students of microbiology department are the pride alumni for us. They have got the job in GMC for covid19 testing laboratory as technician. these are Ku. Medha Bharate, Ku. Vaishnavi Gandhi, Ku. Sneha Jadhao, Ku. Sanjana Narwade, Ku. Shital Ghuge, Ku. Supriya Ghangate, Ku. Shruti Joshi felicitated on this day.

### **3) Felicitiation of Alumni :-**

Our Alumna Sau. Andhare madam, Lecturer in Department of Mathematics of our college felicitated by the hands of our President Adv. Motisinghji Mohata sir, President, Shri Pawanaji Maheshwari sir Secretary, Shri Abhijitaji Paranjape sir Jt. Secretary, The BGE Society, Akola and our Principle Dr.V.D. Nanoty

### **4) Alumni Social Activity :-**

Distribution of books to needy students of our college in presence of alumni association Distribution of mask by our alumni association to the students and workers in the college. And also sanitizer by our alumni association

### **5) National online workshop on “Intellectual Property Rights and Patent filing“ :-**

Online National workshop on IPR and Patent filing organised successfully with huge response of 230 participants across the India. Our alumnus Dr. Aniket Gade, Assist. Professor, Dept. of Biotechnology S.G.B. Amravati University, Amravati has delivered excellent talk on “IPR and patent filing“ on 31 August 2021 online link. He has given the brief idea about IPR and patent filing. I congratulate IQAC, Department of Microbiology and Alumni Association. Good efforts taken by Dr. Harish Malpani, Dr. Rahatgoankar, Dr. Agrawal, Dr. Nagrale, Dr. Sarap, Shri Ghyalkar, Shri Choudhary, Ms. Gawande. Special efforts taken by Dr. Kohchale and Shri Jaiswal.

Participants can join the youtube link as given due to default limit of 100 participants, join on youtube live...

<https://youtu.be/lgBDzZMjJY>

**Shri R.D. Chaudhari**  
Chairman



# Career, Counseling & Placement Cell

## REPORT

Prof. R.D. Chaudhari	Chairman
Dr. Poonam T. Agrawal	Member
Dr. Ashish Sarap	Member
Dr. Harish Malpani	Member

### Placement of the Students in the year 2020-21

Sr.No.	Name of Student	Firm
1	Shubam P. Bhagat	Army
2	Ku. Pallavi M. Deshmukh	EPFO Office
3	Mr. Pranav D. Patil	TCS
4	Ku. Pallavi M. Sonone	India Post
5	Ku. Komal Verma	Cognizent
6	Ku. Simran Gadodiya	Infosys
7	Mr. Shantanu S. Wankhade	Cognizent
8	Ku. Aishwarya S. Banait	Lab. Scientific Officer
9	Mr. Sani .B. Ingle	Teacher
10	Mr. Anand D. Tajane	Canara Bank
11	Ku. Roshani Kadam	Laboratory Tech. Assistant

- Online workshop on creative use of ICT
- Campus internship of students taken in colaboation with Bolt lot
- Placement cell meeting with UPSC coordinators of amravati division
- Registration for our students joining in 2021 Batch for UPSC /MPSC online coaching class

**Shri R.D. Chaudhari**  
Chairman

# Report of Online Workshop on E-Waste Management : Reduce, Repair, Refurbish, Recycle & Reuse

**Date : 11-08-2021**

**Issue Addressed : Environment consciousness**

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

This workshop was organized for making awareness in students and their parents about E-Waste and its Managements. Topic was very elaboratively 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.

**Recorded YouTube Link:**

<https://youtu.be/vQhiVK6EaZ4>

Registration Link:

<https://forms.gle/2TFkxijtFJiRpvc8>

Feedback form link:

<https://forms.gle/tmvhmJyY94XrvZ6c8>

**Dr. Archana S. Sawarkar**  
Convener

**Mr. Ram B. Ghayalkar**  
Coordinator

**Dr. R.L. Rahatgaonkar**  
IQAC Coordinator

**Dr. V. D. Nanoty**  
Principal

# **Three Days National Level E-Workshop on Disaster Management Preparedness**

**Theme: Know Disaster..... No Disaster.....**

**(27/05/2020 to 29/05/2020)**

The B.G.E. Society's Shri. R.L.T. College of Science, Akola Department of Life Long Learning and Extension Sant Gadge Baba Amravati University, Amravati and District Disaster Unit Akola jointly organized three days National level E-workshop on Disaster Management Preparedness. Hon. Adv. M.G. Mohta, President of The BGE Society, Akola were present as President of Inaugural function, workshop was inaugurated by the hands of Hon. Dr. Murlidharji Chandekar, Vice Chancellor SGBAU, Amravati, in presence of Dr. Shrikant Patil, Director, Department of Life Long Learning and Extension SGBAU, Shri Pavanji Maheshwari, Hon. Secretary of The BGE Society, Akola, Dr. V.D. Nanoty, Principal, Shri R.L.T. College of Science, Akola, Dr. S. R. Kohchale Organizing Secretary of workshop, Dr. A. S. Sawarkar Jt. Secretary and organising committee members Shri Shailesh Madavi, Shri Shankesh Zyate and Dr. Samadhan Munde. Shri Sandip Sable Disaster Management Officer District, Disaster Management Unit Collector office, Akola, Dr. Prafulla Katkar (Ph.D., Italy PDF, Denmark) Department of Microbiology, Gurunanak College of Science, Ballarpur (M.S). Akshay Ghope, SPPU, Pune Dr. Sudhir Rushi Kohchale, Coordinator, Principal Brigade Disaster Management Club Shri R.L.T. College of Science, Akola, Shri Sandip Waghalkar TOT expert, District Collector Office, Akola, Dr. P. Madhiyaghazan Assistant Professor, Department of Zoology J.K.K. Nataraja College of Arts and Science Komarapalayam, Namakkal (Tamilnadu), Siddhesh Menon Faculty, Department of Microbiology St. Xavier College, Goa, Delivered lectures on various topics of Disaster Preparedness.

# Report on State level E-Workshop on Eco-friendly Holi

## Organised by

Department of Botany

Environment Cell & IQAC

in Collaboration with Gramayan Pratishtan ( NGO), Nagpur

27<sup>th</sup> March 2021 at 4.00pm

### Introduction:

**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 R.L.T. College of Science, Akola. On this workshop Advocate Motisinghji Mohta, Hon'ble President of the Berar General Education Society, Akola & Shri P. N. Maheshwari, Hon. Secretary, The B.G.E. Society, Akola and All Executive Committee Members of the B.G.E. Society, Akola attended the workshop. Convener of workshop was Dr. A.A. Sangole, IQAC Coordinator Dr. R.L. Rahatgaonkar.

**Chief Guest** was Mr. Anilji Sambre, President, Gramayan Pratishtan (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.

The Organizing Secretary was Mrs. V.N. Badgujar & 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 were given to the participants.

**Youtube link** : [https://www.youtube.com/watch?v=XOqLPtYO\\_D4&authuser=0](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** : Holicolours prepared from nature, are actually beneficial to the skin. Natural colours give positive effect on human body.

# Report of Awareness Program to save Electricity, Paper & Energy

**Date: 26-08-2021**

**Issue Addressed : Environment consciousness**

Shri R.L.T College of Science, Akola and EFEC (Environment and Forest Education Center) jointly organized an awareness program to save electricity, paper and energy on 26<sup>th</sup> August 2021.

Mr. Uday Vaze of EFEC explained that excessive pollution and exploitation of resources is causing immense environmental damage. Hence, EFEC came up with an idea to display posters and stickers that carry the message of protecting the environment at large. Dr. Archana Sawarkar, Coordinator of programme told how to avoid misuse of resources and save environment from pollution. 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. In Presidential address Principal Dr. V. D. Nanoty sir stated that nature is beautiful and needs to be preserved. He appreciated the green initiative of EFEC and environment cell of the college. All members of Environment cell and Criterion VII participated in the event. Members of Environment cell also joined Public awareness program, in which Hon. 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.

**Dr. Archana Sawarkar**  
Activity Coordinator

**Dr. R.L. Rahatgaonkar**  
IQAC Coordinator

**Dr. V. D. Nanoty**  
Principal

# IQAC ACTIVITY

## REPORT

IQAC ACTIVITY No. :02

Name of the Activity	<b>Workshop on Hazardous Management and Fire Extinguisher Demonstration</b>		
Date	Faculty	Department/ Committee	Coordinator / Organizing Secretary Name
16 <sup>th</sup> September 2021	Dr. Poonam T. Agrawal -Organizing Secretary  Dr. Sudhir Kohchale - Resource Person  All the Teaching and Non-Teaching Staff members of Chemistry Department	Department of Chemistry, & Principal Brigade Disaster Management Cell Shri R.L.T.College of Science, Akola	Dr. V.D. Nanoty, Principal & Convener  Dr. Poonam T. Agrawal : Organizing Secreta ry
Time	Venue	Number of Participants	Nature Indoor/Outdoor /Online/Offline
-----	Shri R.L.T.College of Science Akola	80	Offline
Link			
Spread sheet Link			
Detail Analysis Report QR code	<p>A major emergency in a works is one, which has the potential to cause serious injury or loss of life. It may cause extensive damage to property and serious disruption both inside and outside the works. It would normally require the assistance of emergency services to handle it effectively. An important element of mitigation is emergency planning, i.e. identifying accident possibility, assessing the consequences of such accidents and deciding on the emergency procedures, both on site and off site that would need to be implemented in the event of an emergency.</p> <p>In view of all the problems created due to Hazardous or fire the department of chemistry in collaboration with disaster management club took initiative to organize hazardous management workshop for the Teaching, non-teaching and P.G. Students of M.Sc, Chemistry. In all 80 participants tool part in this workshop</p>		
Support/ Assistance	Shri R.L.T. College of Science, Akola		

BRIEF INFORMATION ABOUT THE ACTIVITY (CRITERION NO. ....)

<p>TOPIC/ SUBJECT OF THE ACTIVITY</p>	<p><b>Workshop on Hazardous Management and Fire Extinguisher Demonstration</b></p>
<p>OBJECTIVES</p>	<ol style="list-style-type: none"> <li>1. To localize the emergency and, eliminate it; and</li> <li>2. To minimize the effects of the accident on people and property. Elimination will require prompt action by operations and works emergency staff using, for example, fire–fighting equipment, water sprays etc.</li> <li>3. To make aware all the participants for minimizing the effects may include rescue, first aid, evacuation, rehabilitation.</li> <li>4. To give the information about all these to the people who are in direct contact with these hazardous.</li> </ol>
<p>METHODOLOGY</p>	<p>Hazardous Management and fire Extinguisher Demonstration Workshop was Organized by the department of Chemistry in collaboration with Principal Brigade disaster Management Club of Shri R.L.T.College of Science, Akola on 16<sup>th</sup> of September 2021.The date September 16<sup>th</sup> was specially choosen as 16<sup>th</sup> sept. is Ozone day and view of this also we have tried to make aware all about the effect of this hazardous on the environment. Dr. V. D. Nanoty, Principal of the college was the convenor for this workshop.Dr. Poonam Agrawal, Head Department of Chemistry was the organizing secretary for this workshop and Dr. Sudhir Kochale, Coordinator of Disaster management Cell was the Resource person for this workshop. Hon’ble Joint Director Higher Education, Amaravati Region Dr. M.P.Wadekar was the Inagurator of this workshop and the Inaguration was organized in the gracious presence Dr. Rameshwar Bhise , Principal Shri Shivaji College of Science Akola, Dr. S.V.Kolhe Professor Dept. of Chemistry, Shri Shivaji college, Akot, Dr. K.N. Puri, Professor and Head, Department of Chemistry Shri</p>

	<p>Shivaji College, Akola. . Principal Dr. V.D. Nanoty Delivered the welcome Speech. Hon'ble Joint Director DR. M.P. Wadekar highlight the importance of such Hands-on workshop in his inaugurator speech also congratulated the department of chemistry for taking initiatives for such workshop. Dr. Sudhir Kochale, Co-coordinator of the Disaster management cell gave the demonstration of the working of fire Extinguisher. Later on some of the non-teaching staff members and students from P.G.Department of Chemistry have given the training of use of fire Extinguisher. Dr. Poonam Agrawal gave the presentation regarding the hazardous management to all the non-teaching staff members. Hon'ble President Adv. M.G.Mohta, The B.G.E.Society, Honorary Secretary Shri Pawan Maheswari gave best wishes for this workshop. Dr. P.R. Kawle, Assistant professor of Chemistry department conducted the programme and Dr. Aashish Sarap had proposed the vote of thanks. All the teaching and non teaching members of department of chemistry took the efforts for the successful organization of this events.</p>
<p>OUTCOMES</p>	<ol style="list-style-type: none"> <li>1. Total 80 teaching, non-teaching and students of P.G. Chemistry students get benefited by this workshop which is actually a big outcome.</li> <li>2. At the end of this workshop participants should come to know.... <ul style="list-style-type: none"> <li><input type="checkbox"/> How to handle the fire Extinguisher in xase of emergency</li> <li><input type="checkbox"/> They came to know various hazardous material present in the laboratory.</li> <li><input type="checkbox"/> They came to know how to handle this hazardous material of laboratory</li> <li><input type="checkbox"/> They came to know how to do hazardous waster management.</li> </ul> </li> </ol>

Organizing Secretary  
**Dr. Poonam T. Agrawal**  
Associate Professor & Head  
Department of Chemistry



## Activities undertaken during 2020-21 Related with Environment

- 24-7-2020 : पक्ष्यांचे ज्युस सेंटर अर्थात पक्ष्यांना मधुरस देणाऱ्या वृक्षाचे रोपण with निसर्गकट्टा अकोला
- 8-8-2020 : Sanitizer prepared by Chemistry Deptt. and distributed (free of cost) in society.
- 14-8-2020 : Plantation at Jafrabad / Akola.
- 21-8-2020 : Certificate by MGNCRE, Certificate of Recognition of Institution as Swacchata Action Plan Institution. Group for Post Covid-19 for sanitization and Hygiene, Wase management, Water management, Energy management and Greenery
- 12-9-2020 : Sanitization of classroom.
- 2-10-2020 : महात्मा गांधी जयंती / लाल बहादुर शास्त्री जयंती / स्वच्छतादुत सत्कार Mask व Sanitizer देऊन
- 21-1-2020 : आज तक Channel - Sanitization of Room
- 1-12-2020 : Diploma Course in Sericulture (6 months + Diploma Course in Astronomy.
- 26-1-2021 : प्रजासत्ताक दिन – वृक्षारोपण
- 5-6-2021 : Celebration of World Environment Day - Restoring Ecosystem - By N.S.S.
- 27-6-2021 to 2-7-2021 : Department of Zoology with IQAC organises E-Certificate Course in Apiculture.
- 11-8-2021 : Parent Teacher Association (PTA) Department of Electronics, Computer Science and Physics / IQAC collaboratively organises online workshop on E-Wase Management - Reduce, Repair, Refurbish, Recycle and Reuse.
- 1-7-2021 : Plantation Drive
- 6-8-2021 : Plantation at Shirpur
- 12-8-2021 : One District One Green Champion Award (2020-21) Mahatma Gandhi National Council of Rural Education Department of Higher Education Minstry of Education Govt. of India हस्ते आदरणीय जिल्हाधिकारी निमा अरोरा मॅडम
- 15-3-2021 : District Level Webinar on Conservation of Water catch the Rain, where it fall, when it fall

### World Sparrow Day :

Department of Zoology (Zebra Cell in collaboration with IQAC of Shri R.L.T. College of Science, Akola celebrated "World Sparrow Day" on 20th March 2021.

## Activities organised by IQAC from Jan. - July 2021

1. Department of Physics in collaboration with IQAC organises Online Guest Lecture on topic "Virtual Laboratory Guest Lecture - Dr. P.A. Nagpure - Associate Prof. Dept. of Physics, Shri Shivaji Science College, Amravati on 28-2-2021.
2. Womens Cell of college in collaboration with IQAC organises International Womens Day programme. Chief speakers Dr. Smita Deshmukh, Amravati, Ku. Kalpana Palaspagar (Principal, Sarpanch), Dr. Vaibhavi Naur on 8-3-2021.
3. Department of Physical Education and Sports IQAC in collaboration with Ajinkya Fitness Park organised Certificate Course of Physical Fitness from 5-6-2021 to 15-6-2021.
4. Department of Zoology with IQAC organises E-Certificate Course in Apiculture from 27th June to 2nd July 2021.
5. Parent Teacher Association (PTA) / Department of Electronics, Computer Science and Physics collaboratively organises online workshop on E-Waste Management; Reduce, Repair, Refurbish, Recycle and Reuse on 11-8-2021. Resource Person : Dr. Y.S. Tamgadge (Warud)
- 6) Dept. of Microbiology / Alumni Association / IQAC in collaboration with IPR SGB Amravati University, Amravati organises National Online Workshop on Intellectual Property Rights and patent filing. Resource Person - Dr. Aniket Gade (SGBAU) on 31-8-2021.
- 7) Dept. of Chemistry / IQAC / DMC organises workshop on Hazardous Management and fire extinguisher Demonstration on 16-9-2021. Resource Person - Dr. S.R. Kohchale, Dr. M.P. Wadekar (J.D.)
- 8) Department of Electronics / IQAC / Alumni Association and Environmental cell Awareness programme about Mobile Radiation on 30-9-2021. Resource Person - Renuka Digamber
- 9) Department of Chemistry / IQAC / organises workshop on Process of Drug Designing and Drug Discovery, Chief Guest - Dr. Dileep Malkhede Sir, Hon. V.C. SGBAU on 4-10-2021.

**Shri R.L.T. College of Science, Akola**  
**Achievements**  
**2020-21**

**Meritorious students**

<b>Sr.</b>	<b>Name of Student</b>	<b>Class</b>	<b>Achievement</b>
<b>1</b>	<b>Ms. Shraddha Hatgaonkar</b>	M.Sc. Chemistry	1 <sup>st</sup> Merit in Chemistry in SGBAU Amravati 2019-20
<b>2</b>	<b>Ms. Roshni Gwalani</b>	M.Sc. Chemistry	6 <sup>th</sup> Merit in Chemistry in SGBAU Amravati 2019-20
<b>3</b>	<b>Ms. Anjali Yadav</b>	M.Sc. Chemistry	9 <sup>th</sup> Merit in Chemistry in SGBAU Amravati 2019-20
<b>4</b>	<b>Ms. Komal Thakare</b>	M.Sc. Chemistry	10 <sup>th</sup> Merit in Chemistry in SGBAU Amravati 2019-20
<b>5</b>	<b>Ms. Janaki Deepak Deshmukh</b>	B.Sc.	10 <sup>th</sup> Merit in B.Sc. SGBAU Amravati 2019-20

## Meritorious Students in S.G.B. Amravati University Examination S/2020



**Ms. Shraddha Hatgaonkar**  
1st Merit in  
M.Sc. Chemistry



**Ms. Roshni Gwalani**  
6th Merit in  
M.Sc. Chemistry



**Ms. Anjali Yadav**  
9th Merit in  
M.Sc. Chemistry



**Komal Thakare**  
10th Merit in  
M.Sc. Chemistry



**Ms. Janaki Deepak  
Deshmukh**  
10<sup>th</sup> Merit in B.Sc.

## NSS Achievements



**Prasad Gulhane**  
**NSS Best Volunteer Award**  
**District level**  
**University level**



**Dr. Rashmi P. Joshi (Sawalkar)**  
**Best NSS program officer Award**

**Felicitation of Dr. Rashmi Joshi (Sawalkar) NSS Programme Officer for  
(Best District level, University level, State level)  
at the hands of Vice Chancellor Res. Dr. Murlidharji Chandekar along with  
Dr. Rajeshji Burunge, Coordinator N.S.S. SGBAU, Amravati**

<b>Awards and Achievements</b>	
<b>National Service Scheme (NSS) 2019-20</b>	
<b>(Awarded in Session 2020-21)</b>	
<b>State Level Awards (2019-20)</b>	
Best NSS Unit	Shri R.L.T. College of Science, Akola
Best Programme Officer	Dr. Rashmi P. Joshi (Sawalkar)
<b>University Level Awards (2019-20)</b>	
Best NSS Unit	Shri R.L.T. College of Science, Akola
Best Lady Programme Officer	Dr. Rashmi P. Joshi (Sawalkar)
Best N.S.S. Volunteer (Male)	Prasad Krushnrao Gulhane
<b>District Level Awards (2019-20)</b>	
Best Lady Programme Officer	Dr. Rashmi P. Joshi (Sawalkar)
Best N.S.S. Volunteer (Male)	Prasad Krushnrao Gulhane
<b>University Swachata Puraskar for Akola District (2019-20)</b>	
Shri R.L.T. College of Science, Akola Best College for Swachhata Puraskar in Akola District.	
Honourable <b>Principal Dr. Vijay D. Nanoty</b> has been Awarded by the prestigious <b>SEVA GAURAV PURASKAR</b> in Principal Category by Sant Gadge Baba Amravati University, Amravati. (2020-21)	
Shri R.L.T. College of Science Akola has been recently Awarded as <b>“ONE DISTRICT ONE GREEN CHAMPION”</b> under Swachhata Action Plan Scheme (SAP) by the hands of I.A.S. Hon. Neema Arora, Akola District Collector. The Award by Government of India, Mahatma Gandhi National Council of Rural Education (MGNCRE), Ministry of Education.	



**“ONE DISTRICT ONE GREEN CHAMPION”**

under Swacchata Action Plan Scheme (SAP)

Dr. Rashmi P. Joshi (Sawalkar) receiving awards by the hands of I.A.S. Hon. Neema Arora, Akola District Collector.

The Award by Government of India, Mahatma Gandhi National Council of Rural Education (MGNCRE),

Ministry of Education.

## NCC Achievements



Dr. Rohitkumar M. Agrawal was commissioned with the Rank of Lieutenant by DGNCC (Indian Army) with the completion of PRCN course at Kamptee and appointed as an Associate NCC Officer (ANO) in college under 11 MAH BN NCC, Akola



## College Development Committee (CDC)

01	Adv. M. G. Mohta	President
02	Shri Pawanji Maheshwari	Member
03	Shri Vijaykumarji Toshniwal	Member
04	Dr. Ravindraji Jain	Member
05	Dr. Satishji Rathi	Member
06	Dr. Kiranji Laddha	Member
07	Shri Rameshchandraji Chandak	(Hon. Invitee Member)
08	Shri Amitji Sureka	(Hon. Invitee Member)
09	Shri Krishnaji Deshmukh	(Hon. Invitee Member)
10	Sau. Mrunalitai Kulkarni	(Hon. Invitee Member)
11	Dr. Amitiji Heda	(Hon. Invitee Member)
12	Shri Ratindraji Singi	(Hon. Invitee Member)
13	Shri Shivprakashji Mantri	(Hon. Invitee Member)
14	Shri Shashibhai Shah	(Hon. Invitee Member)
15	Shri R.G. Chavan	Member (Teaching Staff )
16	Dr. R. D. Chandrawanshi	Member (Teaching Staff )
17	Mrs. V. N. Badgujar	Member (Teaching Staff )
18	Dr. R. L. Rahatgaonkar	Member (IQAC Coordinator)
19	Shri D. J. Wankhade	Member (Non-Teaching Staff )
20	Dr. V. D. Nanoty	Principal (Ex-Officio Secretary)



**The Berar General Education Society's  
Shri Radhakisan Laxminarayan Toshniwal  
College of Science, Akola (M.S.)**

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