



The Berar General Education Society's
ShriRadhakistanLaxminarayanToshniwal
College of Science, Akola (M.S.)
(ShriR.L.T. College of Science)

Recognized by Government of Maharashtra
Affiliated to SantGadge Baba Amravati University, Amravati
Re-accredited 'A' by NAAC, BangaloreWithCGPA-3.12



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

**CRITERION I
CURRICULAR ASPECTS**

**Key Indicator - 1.3
Curriculum Enrichment**

1.3.1

**Institution integrates crosscutting issues relevant to
Professional Ethics, Gender, Human Values,
Environment and Sustainability into the Curriculum**



The Berar General Education Society's Akola
SHRI RADHAKISAN LAXMINARAYAN TOSHNIWAL COLLEGE OF SCIENCE

Civil Lines, Akola, 444001 (Maharashtra)

Affiliated to Sant Gadge Baba Amravati University, Amravati

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

AISHE CODE: C-43124

E-mail: rltcollegeakola@gmail.com

Website: www.rltsc.edu.in

COLLEGE CODE: 210

Principal: Dr. Vijay D. Nanoty

phone: 0724-2415480, 9822724504

Ref. No: RLT/IQAC/C-I/1.3

Date: 26.09.2022

DECLARATION

This is to declare that, the information, data, true copies of the supporting documents etc. furnished in this file is checked and verified by IQAC, Shri R. L. T. College of Science, Akola and found to be correct.

Dr. R. L. Rahatgaonkar
IQAC Co-ordinator
Shri R.L.T. College of Science,
Akola

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



Key Indicator - 1.3 Curriculum Enrichment

Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum

The College is affiliated to Sant Gadge Baba Amravati University Amravati and works according to the academic curriculum of the university. The Sant Gadge Baba Amravati University started Choice Based Credit System (CBCS) from session 2022-23 which is a part of New Education Policy 2020. In choice-based system departments choose electives related to these issues as a practice. The curricular activities carried out during academic session 2017-18 to 2021-22 in our college promote human values, professional ethics, gender sensitivity, environment and sustainability with the same conviction and students of our college acquire knowledge by following these values.

The curricular and co-curricular activities of the college are skillfully integrated with professional ethics. The faculty members incorporate concepts related to ethical practice during their regular classes. Diploma courses in clinical laboratory technology, astronomy, sericulture and certificate courses in clinical laboratory technology refer that there is good adherence to professional ethics. The certificate courses in apiculture, sericulture, renewable sources of energy, digital skill development, faculty development programme completed successfully. Short term course in research methodology, part time course on digital skill development, spoken tutorial project, skill development for pharmaceutical industry was organized by the college. Similarly national or state level workshops were arranged by the college on organic farming for sustainable agriculture organic farming, intellectual property rights and patent filing, process of drugs designing and drugs discovery, new education policy-2020, soft skill development, nutritional empowerment during covid-pandemic, preparation herbal products. The sport department play an active role to increase participation and training of students in different games. The department has initiated on-campus activities like Disaster Management Club (DMC), NSS, NCC, Sky Observation Club gives students motivation and opportunity for social services.

To provide equal access to students 'Equal Opportunity Centre' of the college is working effectively. On the occasion of birth anniversaries of Chhatrapati Shivaji Maharaj, Mahatma Gandhi, Dr. Babasaheb Ambedkar, Swami Vivekanand, Dr. A. P. J. Abdul Kalam the students are motivated to deliver speeches to propagate the phenomenal work done by these great personalities and also their thoughts and philosophy of life. Every year the college publishes a magazine 'Pratibimb' containing poems and articles to increase the thinking ability, sensitivity and writing habit of the students.

The subject 'Environmental Science' is the part of B. SC. II syllabus. 'Environment Cell specially working for protection and conservation of environment. Environment audit is regularly conducted in the college every year. This college has received the prestigious award in cleanliness. The on-campus activities to ensure environment-friendliness and organizes special programmes on occasions such as environment day, ozone day, farmers day, wildlife week, world earth day, world sparrow day regularly to sensitize students and the local community about degradation of environment. The college has organized workshop on eco-friendly 'Ganesh Idol' preparation, eco-friendly 'Holi' for maintenance of environment cleanliness. Crystal Club, Micrans, Zebra Club, Holy Basil Club of respective departments are working with related activities.

Women Cell was formed on 11th July, 2016 to empower the women in gender equality, education and health. On the eve of "Women's Day" the women empowerment cell organizes the programmes every year with different topics related to gender equality, empowerment of women and rights of women. All department and activities of college encourages good participation in every academic and elated event.

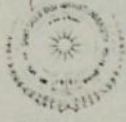
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SANT GADGE BABA
 AMRAVATI UNIVERSITY
 AMRAVATI - 444602
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 GRAM AMUNI

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 No SGBAU/7-D/6/71/107
 Date: 20 APR 2007

श्री. गाकपुडे
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To,
 The Secretary,
 Department of Higher Education,
 Government of Maharashtra,
 Mantralaya Annexe,
 Mumbai-32.

Subject : Sanction of Courses under the UGC scheme of " Career Oriented Programme 2006-07-under plan" to the colleges affiliated to the University.

Sir,
 Proposals of the colleges for " Introduction of Career Oriented Courses at first-degree level, were recommended by the University to the UGC under the UGC scheme. The UGC has granted permission to the following colleges for Career Oriented Courses at first-degree level and also granted financial assistance for this purpose, copy of which is enclosed herewith for your reference.

Sr. No.	Name of the Colleges	Course Approved by UGC	Fin. Assistance Sanction
1	Vidnyan Mahavidyalaya, Malkapur, Distt. Buldana	Water Quality and Soil Testing	7.00 lakh
2	Late N.A. Deshmukh Arts & Comm. College, Chandurbazar, Distt. Amravati	Computer and information Tech.	7.00 lakh
3	Smt. Kesharbai Lahoti M.V. Amravati	Fashion Designing	5.00 lak
4	Lokmanya Tilak M.V., Wani Distt. Yavatmal	Functional English	5.00 lakh
5	L. B. Aney Mahila M.V., Yavatmal	Fashion Designing	5.00 lakh
6	M. Fule Arts, Commerce & Sitaramaji Choudhari Science College, Warud, Distt. Amravati	Biomedical Laboratory	7.00 lakh
7	Matoshri Vimlabai Deshmukh Mahavidyalaya, Amravati	English Grammar and Communicative Skills	5.00 lakh
8	Nehru Arts & Commerce College, Nerparsopant, Distt. Yavatmal	Accounting & Auditing	5.00 lakh
9	R.A. Arts & Shri M.K. Commerce & Shri S.R. Rathi Science Mahavidyalaya, Washim	E-Commerce	5.00 lakh
10	Swatantra Sainik Late K.R. Innani Mahavidyalaya, Koranaja(Lad), Washim	Taxation	5.00 lakh
11	S.P.M. Late Tatyasaheb Mahajan Arts & Commerce College, Chikhli, Dist Buldana	E-Commerce	5.00 lakh
12	Smt. R. Sarda Arts & Commerce College, Anjangaon Surji, Distt. Amravati	Translation Proficiency	5.00 lakh
13	Vidya Bharati Mahavidyalaya, Amravati	Insurance	5.00 lakh
14	Smt. Vatsalabai Naik Mahila Mahavidyalaya, Pusad, Dist. Yavatmal	Functional English	5.00 lakh

Contd ..2/..

CRITERION I: CURRICULAR ASPECTS

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15	Y.D.V.D. Arts & Commerce College, Teosa, Distt. Amravati	Finance Management & Auditing	5.00 lakh
16	Tal-shashila Mahavidyalaya, Amravati	Communicative Skills in English	5.00 lakh
17	Savitribai Phule Mahila Mahavidyalaya, Washim	Communicative Skills in English	5.00 lakh
18	S.Khandelwal Arts, Science & Commerce College, Akola	Biomedical Instrumentation	7.00 lakh
19	Arts & Science Mahila Mahavidyalaya, Mehkar, Distt. Buldana	Fashion Designing	5.00 lakh
20	Phulsing Naik Mahavidyalaya, Pusad, Distt. Yavatmal	Non-Conventional energy System	7.00 lakh
21	Adarsha Science, J.B.Arts & Commerce Mahavidyalaya, Dhamangaon(Rly.), Distt. Amravati	Web Designing & Office Automation	5.00 lakh
22	B.B.Arts, N.B. Commerce & B.P.Science College, Digras, Distt. Yavatmal	Vermiculture	7.00 lakh
23	Bharatiya Mahavidyalaya, Amravati	Clinical Laboratory Technology	7.00 lakh
24	Bar. R.D. Arts & Smt. I. K. Commerce & N.K.D. Science College, Badnera-Amravati	Sericulture	7.00 lakh
25	Dr. Babasaheb Ambedkar Mahavidyalaya, Amravati	Applied sociology	5.00 lakh
26	G. S. Gawande Arts & Commerce College, Umalkhed, Distt. Yavatmal	Agriculture Management	5.00 lakh
27	Ghulam Nabi Azad Arts & Commerce College, Barshitakli, Distt. Akola	Fashion Designing Computer Application	10.00 lakh
28	J.D.Patil Sangludkar Mahavidyalaya, Daryapur, Distt. Amravati	Fresh Water Fish Culture	7.00 lakh
29	K.N. College of Arts, Commerce, Karanja(Lad), Distt. Washim	Banking	5.00 lakh
30	Atasalheb Parvekar Mahavidyalaya, Yavatmal	Communication Skill in English	5.00 lakh
31	Arts & Commerce College, Motala, Distt. Buldana	Accountancy and Auditing	5.00 lakh

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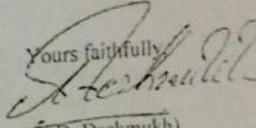
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32	G. S. Tompe Arts & Commerce Mahavidyalaya, Chandur Bazar, Distt. Amravati	Translation Proficiency Information and Computer Technology	12.00 lakh
33	B. S. Patil Mahavidyalaya, Achalpur, Paratwada, Distt. Amravati	Rural Handicraft	5.00 lakh
✓ 34	R. L. T. College of Science, Akola	Clinical Laboratory Technology	7.00 lakh
35	Shri Shivaji College, Akot, Distt. Akola	E-Commerce	5.00 lakh

The above courses sanctioned by the UGC are permanently on non-grant basis and there is no financial burden on the Government. It is requested to kindly grant permission for introduction of the courses to the said colleges at the earliest, so that the courses could be introduced from this academic session.

Thanking you.

Encl : Copies of the UGC letters.

Yours faithfully,

(C. D. Deshmukh)
Registrar

Copy forwarded for information to :

- 1] The Principal ,
- 2] Dy. Registrar (Academic), Sant Gadge Baba Amravati University
- 3] Asstt. Registrar (College), Sant Gadge Baba Amravati University

A-7843

Draft Scheme of Examination for the Certificate/Diploma/Advanced Diploma course for the Subject Clinical Laboratory Technology under the scheme of Career Oriented Programme by the U.G.C.

I. Preamble; Introduction, Objective, Eligibility scheme per year. Teaching Scheme (period per week) & Examination scheme.

I Certificate Course

Paper-I

- Unit I Anatomy
- Unit II Physiology.
- Unit III Biochemistry & Elementary clinical biochemistry.
- Unit IV Microbiology
- Unit V Haematology & Clinical pathology

Practicals :- Based on theory paper.

II Diploma Course.

Paper-II

- Unit I Clinical Biochemistry
- Unit II Immunohaematology & Blood Bank Technology
- Unit III Histo technology
- Unit IV Exfoliative cytology, museum techniques & Autopsy Technique
- Unit V Laboratory Management & Ethics

Practicals :- Based on theory paper.

III Advanced Diploma Course.

Paper-III

- Unit I Immunology and Serology.
- Unit II Parasitology, Mycology, and Virology.
- Unit III Advance Techniques & Future Trends in Biochemistry, Microbiology and Clinical Pathology.
- Unit IV Advance Techniques and future Trends in Haematology, Histotechnology and Molecular diagnostic techniques.
- Unit-V Computer Applications

Practicals :- Based on theory paper.

Draft Syllabus of Examination for the Certificate/Diploma/Advanced Diploma course for the Subject Clinical Laboratory Technology under the scheme of Career Oriented Programme by the U.G.C.

Preamble : To make the current Indian higher education system more relevant & carrier oriented with focus on quality & excellence.

Introduction :- Knowledge; skills; and aptitude for gainfull employment in wage sector in general and self employment in particular.

Objective :- Skill enhancing.

A) Eligibility :-

- 1) **Certificate Course :** A Student should have passed 12th standard examination of Maharashtra State Board of Secondary and Higher Secondary Education in Science stream or an examination recognised as equivalent thereto and should have admitted to B.Sc.Part-I/ B.Com Part-I/ B.A. Part-I.
- 2) **Diploma Course :** A Student should have passed Certificate Course in Clinical Laboratory Technology.
- 3) **Advanced Diploma Course :** A Student should have passed Diploma Course in Clinical Laboratory Technology.

B) Teaching scheme (per course) :-

150 Theory periods	=150	
50 Practical x 3 periods each	=150	
Total	300 Periods	= 20 Credits.

Fieldwork/Projectwork/Training (3 Hrs x 50)= 150 Hrs. = 10 Credits

Total 30 Credits in a year.

I Certificate course = 30 credit	Ist year
II Diploma course = 60 credits (30 earned during certificate course)	IInd year
III Advanced diploma course = 90 credits (30 in certificate & 30 in .. diploma = 60 earned)	IIIrd year

C) Examination Scheme (every year) :-

Theory	:	70 Marks 3 Hrs.
Practical	:	30 Marks 4 Hrs.
Project/Fieldwork	:	50 Marks

Minimum Marks for passing : An examinee must obtain in order to pass the examination 35% marks for theory and practicals separately.

DCLT

*Along with
B.Sc II*

**SYLLABUS PRESCRIBED FOR DIPLOMA COURSE IN
CLINICAL LABORATORY TECHNOLOGY.
THEORY**

Unit I - Clinical Biochemistry

- 1) Aim & scope of biochemistry.
- 2) Structure of cell.
- 3) Carbohydrate - Biological importance.
- 4) Amino Acids, Proteins, function of plasma protein.
- 5) Lipids - Definition, steroids
- 6) Nucleic Acids DNA, RNA.
- 7) Haemoglobin.
- 8) Enzymes & Coenzymes.
- 9) Gastric Juice - constituents, collection - Acidities.
- 10) Carbohydrate Metabolism, Glycolysis, glycogenolysis, gluconeogenesis, ketosis, glycosuria, renal glycosuria, ketonuria.
- 11) Metabolism of lipids, Triglyceride, cholesterol, plasmalipoprotein- ketone bodies & ketonuria.
- 12) Protein metabolism: urea, creatine, creatinine, protein urea, edema, transaminases.
- 13) Water & mineral metabolism - dehydration- calcium, phosphorous, sodium, potassium, chlorides, iron, iodine, etc.
- 14) Inborn errors of metabolism
- 15) Hormones - Definition, functions.
- 16) Blood and cerebrospinal fluid, function.
- 17) Urine - formation, renal function test.
- 18) Liver function test.

Unit II Immuno haematology & Blood Banking Technology

- 1) Historical Aspect.
- 2) Human blood group antigens, inheritance antibodies and secretors.
- 3) ABO Blood groups system sub groups source of antigens type of antibodies.
- 4) Rh Blood group system.
- 5) Other Blood group system.
- 6) Cross matching.
- 7) Coombs tests
- 8) Blood transfusion procedure.
- 9) Complication of blood transfusion.
- 10) Haemolytic disorders of Newborn and exchange transfusion.
- 11) Blood collection :
 - a) Selection & screening of donor, b) Collection of blood, c) Various anticoagulants used, d) Storage of blood.
- 12) Cell separation, and transfusion of various components of blood .
- 13) Organization, operation and administration of blood bank.

Unit III Histotechnology

- 1) Introduction.
- 2) Cell, Tissue & their function.
- 3) Methods of examination of tissue and cells
- 4) Fixation of tissue.
 - a) Classification of fixatives, b) Simple fixatives, c) Micro anatomical fixatives, d) Cytological fixatives, e) Histochemical fixatives
- 5) Tissue processing.
 - a) Collection of specimen, b) Labelling and fixation, c) Dehydration, d) Clearing, e) Impregnation, f) Embedding.
- 6) Section Cutting.
 - a) Microtomes and microtomes knives, b) Techniques of section cutting, c) Mounting of sections, d) Frozen section.

- 8) Decalcification.
 a) Fixation, b) Decalcification, c) Detection of end point, d) Neutralization and processing.

Unit IV Exfoliative cytology, museum techniques & Autopsy Technique

- 1) Exfoliative cytology
 - a) Types of specimen & preservation, b) Preparation and fixation of smears, c) Papanicolaou staining technique, d) Sex chromatin staining.
- 2) Museum Techniques.
 - a) Reception of specimen, b) Preparation and fixation, c) Restoration and fixation, d) Preservation, e) Presentation
- 3) Autopsy Technique.
 - a) Assisting in Autopsy, b) Preservation of organs & processing of the tissue.

Unit V Laboratory Managements & Ethics.

- 1) Role of laboratory in Health care, delivery.
 1. General
 2. Human health & Diseases.
 - a) Types of diagnosis, b) Process of diagnosis.
 3. Laboratory at different levels
 4. Duties & responsibility.
- 2) Laboratory services in the health, delivery system in India.
 1. Laboratory services in India.
 2. The health administration system in India.
 - a) At the National level, b) At the state level, c) At the district level, d) At the village level, e) Voluntary Health organisations in India, f) Health programmes in India.
- 3) Laboratory planning.
 1. General principles.
 2. Laboratory goal.
 3. Operational data.
 - a) Market potential, b) Hospital Laboratory relation, c) Competitions, d) Laboratory trends.
 4. Planning at different levels.
 5. Guiding principles for planning hospital laboratory services.
 - a) Factors, b) Guiding principles for planning, c) Functional criteria, d) Operational demand, e) Section of a hospital laboratory, f) Common areas, g) Design aspect, h) Space requirement.
 6. Planning for a basic health laboratory.
- 4) Laboratory organization.
 1. General principles
 2. Components & functions of laboratory.
 3. Staffing the laboratory.
 4. Job descriptions.
 5. Job Specifications.
 6. Work schedule.
 7. Personal reassignment, and work load assesment.
- 5) Care of laboratory glassware, equipment and chemicals.
 1. General principles.
 2. Care & cleaning of glasswares.
 3. Making simple glass wares in the laboratory.
 4. Care of equipments and apparatus.
 5. Laboratory chemicals their proper use and care.
 6. Proper storage.
 7. Labelling.
- 6) Specimen handling.
 1. General principles
 2. Collection techniques and containers for specimen.
 3. Types of specimens.
 4. Specimen entry.
 5. Specimen transport.
 6. Specimen transfer and distribution & reassignment.
 7. Specimen Disposal.
 8. Specimen preservation.
- 7) Laboratory safety
 1. General principles.
 2. Inter-departmental communications.
 3. Public Relations.
 - a) Patients, b) Physicians, c) Nursing staff, d) Sales representatives, e) Other personal.
 4. Request and Report forms.
 5. Continuing education.
 6. Method of evaluation and selection.
 7. First aid.
 8. Safety measures.

- 14 -

- (a) Mechanical (b) Electrical (c) Chemical (d) Biological (e) Radioactive
- 9. Specimen disposal
- 10. Specimen preservation
- 8) Quality control.
 - 1. General principles.
 - 2. Non-analytical functions
 - a) Request specifications, b) Specimen specifications, c) Distribution of tests
 - 3. Analytical functions.
 - a) Method, b) Equipment, c) Reagents and materials, d) Proficiency testing
- 9) Material managements.
 - a) Procurement, b) Identification and correspondence of materials with sources, c) Inventory control and analysis, d) Inspection and storage, e) Records & reports, f) Cost control g) Purchase and utilization of supplies.
- 10) Ethics - General Principles.

PRACTICALS

Clinical Biochemistry

- 1) Diagnostic test of urine; collection & preservation, physical characteristic.
- 2) Normal constituents (a) Qualitative test of urea, uric Acid, creatinine, calcium phosphores, sodium chloride (b) Titrable acidity (c) Urea clearance & creatinine clearance.
- 3) Abnormal constituents of urine.
 - (a) Qualitative test for sugar, Albumin, ketone, blood, bile salts and pigments (b) Determination of sugar, albumin (c) Test for lactosuria, Pentosuria, fructosuria etc.
- 4) Blood/serum/plasma.
 - a) Collection and preservation of blood, b) Blood glucose test, c) G.T.T.
- 5) Non-protein Nitrogenous compounds - Determination of serum urea; uric acid; creatinine.
- 6) Determination of serum protein and A.G. Ratio, serum Electrophoresis and Zinc sulphate turbidity test.
- 7) Serum Electrolytes
- 8) Serum Enzymes.
 - a) Determination of SGOT and SGPT, b) Determination of Phosphatase (Acid & Alkaline)
- 9) Serum bilirubin total & Direct.
- 10) Serum lipids : Cholesterol, Triglyceride, HDL & LDL.
- 11) Other body fluid.
 - (a) Gastric juice : HCl, Bilepigment, bilesalt and starch.
 - Free and total Acidity
 - Gastric function test.
 - (b) Cerebro spinal fluid , sugar proteins, chloride pandy's test.

II. Immuno haematology & Blood Banking Technology

- 1) ABO grouping a) Slide technique (b) Tube technique.
 - 2) Cross matching methods of major & minor cross matching.
 - 3) Rh typing
 - a) Rapid tube test, b) Slide Anti D, c) One stage albumin technique, d) Two stage albumin technique.
 - e) Coombs antihuman globulin.
 - 4) Coombs test.
 - a) Direct coombs, b) Indirect coombs.
 - 5) Donor's screening and selection.
 - a) Identification, b) Recording Haemoglobin estimation, c) Grouping and typing of donor's blood, d) Ruling out transfusion transmitted diseases.
 - 6) Drawing of blood.
 - a) Asepsis, b) Reassurance, c) Venipuncture and Collection, d) Care of donor.
 - 7) Blood Storage
 - a) Anticoagulant preparation, b) Recording the details of storage of blood, c) Maintenance, cleaning of various equipments used in blood bank.
- Field Work :- Visit to :- Reference blood group center, Blood Bank.

III. Histotechnology

- 1) Fixation processing, embedding and section cutting and preparation of slides.
- 2) Sharpening of the knife.
- 3) Preparation of adhesives to fix the section on slide.

IV. Exfoliative cytology, museum techniques & Autopsy Technique

- 1) Preparation & fixation of cytology smears
- 2) Papanicolou staining technique.
- 3) Museum working, mounting, preservation and maintenance of museum specimens (Mounting in museum laboratory)
- 4) Visit to Autopsy Room to familiarise the working system.

V. Laboratory Management & Ethics

N.B. :- Each topic will have at list one practical.

The project / field work involving visit to atleast 10 different institutions / pathology labs. / hospitals units of related to the subjects and critical analysis of these Units should be submitted for diploma course.



**SANT GADGE BABA
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Department of Lifelong Learning & Extension

Department of Lifelong Learning & Extension

No. SGBAU/DLLE/526/ 282/2022

Date:- 07/09/2022

TO WHOM IT MAY CONCERN

This is to certify that Shri Radhakisan Laxminarayan Toshniwal College of Science, Akola (Maharashtra State) college code - 210 is affiliated with Sant Gadge Baba Amravati University, Amravati from 1970. The college has permanent affiliation and the following course / subject are thought in the said college as per approval by Department of Lifelong Learning & Extension, Sant Gadge Baba Amravati University, Amravati.

They are as follows:

Sr. No.	Name of Course & Duration	Duration of Course	Current Affiliation Status Permanent / Temporary
1.	Diploma in Sericulture	6 Months	Permanent
2.	Diploma in Astronomy	6 Months	Permanent

I wish success in the ambitious task which has desires to undertake in future.


Dr. Shri. R. T. Patil
DIRECTOR
Dept. of Lifelong Learning
& Extension
Sant Gadge Baba Amravati University



**SANT GADGE BABA
AMRAVATI UNIVERSITY**
AMRAVATI - 444602
(M.S.)

☎ : 2662206, 2662207, 2662208, 2662249, 2662358.
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FAX NO. 0721-2660949, 2662135

Email: reg@sgbau.ac.in

Department of Lifelong Learning & Extension

Department of Lifelong Learning & Extension
No. SGBAU/DLLE/526/283/2022
Date:- 07/09/2022

Certificate of Appreciation


This is to certify that Shri Radhakisan Laxminarayan Toshniwal College of Science, Akola (Maharashtra State) college code - 210 was designed the following six moth skill based Diploma Courses.

Hence provide an appreciation certificate to the college by Department of Lifelong Learning and Extension, Sant Gadge Baba Amravati University, Amravati.

Sr.No.	Name of Course	Duration of Course	Name of the Course Designer
1.	Diploma in Sericulture	6 Months	Dr. R. P. Joshi Asst. Professor Dept. Zoology
2.	Diploma in Astronomy	6 Months	Shri S. R. Jaiswal Asst. Professor Dept. Physics

I wish her/him success in the future and become a role model for teachers.


Dr. Shrikant Patil
DIRECTOR
Dept. of Lifelong Learning
& Extension
Sant Gadge Baba Amravati University

Sant Gadge Baba  **Amravati University**
Department of Lifelong Learning & Extension
Diploma Courses
(6 Month)
Syllabus
For
Diploma in Astronomy

(Theory)

Unit I:

History of Astronomy

(20 Marks)

1. Pre historic astronomy
2. Early ideas of heavens
3. Astronomy as tool in everyday life and basis for religion.
4. Contributions by ancient Hindu, Arabic and Greek astronomers or thinkers like Ptolemy, Aryabhata, Varahmir, Nicolas Copernicus, Johannes Kepler, Galileo Galili, Tycho Brahe, Issac Newton etc.

Unit II:

Sky and Coordinate system in Astronomy

(20 Marks)

1. Aspect of sky at a given place
2. Sky conditions for astronomical observations
3. Identification of some prominent stars in the night sky
4. Spherical coordinate system.
5. Latitude and longitude at a place on the earth.
6. Celestial coordinate system (RA and Dec).
7. Concept of celestial equator, elliptic and equinoxes.
8. Precession of equinoxes.
9. Astronomical definition of time.
10. Visual magnitude system for stars and planets.

Unit III:

Sky observations at night

(20 Marks)

1. Ideal sky for astronomical observations.
2. Constellation including Zodiac belt.
3. Sky charts.
4. Motion of moon.
5. Apparent motion of sun.
6. Motion of planets.

Unit IV:

Astronomical Instruments

(20 Marks)

1. Sextant: Principle of working and its application for measurement of coordinates of stars and planets.
2. Introductions about lenses and mirrors.
3. Types of Telescope, Constructions Working, Handling the Telescope, Binocular, Telescope with mobile camera.

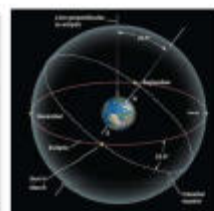
Practical Work: (200 marks)

The distribution of marks for practical-I & II will be as follows:

- Students must be performing hands-on Projects. (80 marks)
- Students give Seminar on selected hand-on project and submit it report (20 marks)
- Students must be performing observatory Projects. (80 marks)
- Students give Seminar on selected observatory project and submit it report (20 marks)

Tentative Project List:

- Phases of the Moon
- Measuring the Diameter of the Sun
- Apparent motion of the sun
- Polari the north star/Ursa Major
- Planets and Planetary Systems
- Nebulas and Galaxy
- Mechanism of the Seasons
- Constellation including Zodiac belt
- Solar & Lunar eclipse
- Telescope Making
- Spacecraft
- Rocket Launcher
- Artificial Satellite




01
SANT GADGE BABA AMRAVATI UNIVERSITY
SHORT - TERM CERTIFICATE COURSES EXAMINATION OF SUMMER - 2021
PROGRAMME FOR THEORY
Revised

Day	Date	Time	Subject
Tuesday	30-11-2021	09 AM. To 10 AM.	Certificate Course Tally
			Certificate Course Desktop Publishing
			Certificate Course Food & Beverages Services
			Certificate Course Housekeeping
			Certificate Course Textile weaving
			Certificate Course Textile Spinning
			Diploma in Sericulture
			Diploma in Astronomy
		02 PM. To 03 PM.	a) Diploma in Naturopathy & Yoga Therapy Paper-I
			b) Diploma in Naturopathy & Yoga Therapy Paper-II


(Note :- The Schedule is subject to corrections, if any)
The Name of Examination centre is printed on Admission Card of the examinee.


AMRAVATI
DATE : 24/11/2021

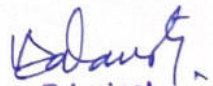

Dr.H. R. Deshmukh
Director, Board of Examinations and Evaluation
Sant Gadge Baba Amravati University

Shri R. L. T. College of Science, Akola**Time Table (Online/Offline mode)****Session-2021-2022 (w.e.f.-01/12/2021)****Diploma Courses (Astronomy and Sericulture)**

Day	Class	Time	Theory/ Practical
Monday	Sericulture	10:00 am to 11:00 am	Theory
Tuesday	Astronomy	5:00 pm to 6:00 pm	Theory
Wednesday	Sericulture	10:00 am to 11:00 am	Theory
Thursday	Astronomy	5:00 pm to 6:00 pm	Theory
Friday	Sericulture	9:00 am to 11:00 am	Practical
Saturday	Astronomy	6:00 pm to 8:00 pm	Practical


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


 S. A. Jaiswal
 Asst. Professor
 Dept. of Physics


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


One day workshop on "EUREKA: Students Guidance program"

Date: 25 November 2017


One day workshop "EUREKA" was organized on dated 25th Nov 2017 by Shri R.L.T. College of Science, Akola for students & teachers in collaboration with State Institute of Science, Nagpur and Education Department Z.P. Akola.

In the session of workshop all the participants visited the Department of Zoology, where information about the animal's specimens and models, human skeleton etc was given. There was interaction between students, teachers and staff of Zoology Department. Dr. Rashmi Joshi Sawalkar conducted the Students guidance activity in the Department and guided the students 'Aptitude test' was conducted on the given information from different department. The workshop is coordinated by Dr. S.W. Bhaware sir under the guidance of Principal Dr. V.D. Nanoty sir




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


Principal
Shri RLT College of Science, Akola


Dr. R. L. Rahatgaonkar
IQAC Co-ordinator
Shri R.L.T. College of Science,
Akola

National Workshop cum seminar on ‘Art of Perfume and Soap making’

Date: 08/09/2018

Issues addressed: Self Employment

Education Must be for giving the jobs, not for securing the jobs’ with this motto Department of Chemistry’s CRYSTAL Club Organized One Day National level workshop on ‘The Art of Perfume & Soap Making’ on 9th September 2018. Hon’ble Dr. Ranjeet Patil, Minister of Home Affairs was the Inaugurator of the workshop. IAS, District collector, Akola Hon’ble Shri. Astikkumar Pande was the Guest of Honor for this workshop. Hon’ble Dr. R.B. Heda, the President of The B.G.E. Society, Akola was the President for the Programme. The Inauguration of workshop took place in the gracious presence of Honorary Sec. of the B.G.E. Society Adv. Motisinghji Mohta and All the Executive member of the B.G.E. Society. Er. Ashween Nannware, Scientist, CSIR central Institute of Medicinal and Aromatic Plant Lucknow and Mr. And Mrs. Mukul Agrawal Industrialist of Manufacturing Perfume and fragrance Product, Nagpur were the Resource persons of the workshop. More than 500 students from all over the region got benefited by this workshop. All the staff members and members of crystal club organized the event successfully.




Invitation


Inaugural programme

Demonstration of Manufacturing Perfume

Participants of workshop


Dr. P. T. Agrawal
 Activity Coordinator


Dr. R. L. Rahatgaonkar
 IQAC Coordinator


Dr. V. D. Nanoty
 Principal


Baliraja Chetna Abhiyan: A workshop on ‘Self Employment through Fisheries’

Date: 19/12/2018


One day workshop on ‘Self Employment through Fisheries’ was organized jointly by Shri R.L.T. College of Science, Akola, NSS Unit, Department of Fisheries, Govt. of Maharashtra, Office of the Asst. Commissioner of Fisheries (Tech.), Akola. The workshop was held on 19th Dec. 2018 at adopted village Aapoti (Kd) under the guidance of Principal Dr. Vijay D. Nanoty and Mr. Suresh R. Bharti, Asst. Commissioner of Fisheries, Akola. Total 215 participants including 162 students, 38 villagers and 15 staff members participated in workshop. Damodhar Kadu (President of K.S.P. Society, Aapatapa), Dinesh Dhope (Asst. Fisheries Development Officer, Mahan), Lakshmitai Ghuse (Sarpanch, Aapoti (Kd) graced the inaugural function. Dr. Archana Sawarkar, Coordinator of workshop delivered introductory remark and introduced the guests. Damodhar Kadu guided the gathering on the benefit of adopting self employment. In the first session, Dinesh Dhope guided on Aquarium keeping maintenance & employment opportunities. He also informed about various schemes implemented by Fisheries Department of Maharashtra Govt. In the second session, Prof. Ranjana Dharmale, Brijlal Biyani College, Amravati, explained about Introduction to fishes & their caring. Dhope gave demonstration on Construction of fish aquarium. In the concluding session, Dr. Sanjay Tidke (Dist. Coordinator N.S.S., Akola) informed about various schemes implemented under Unnat Bharat Campaign and Baliraja Chetna campaign. In his presidential speech, Dr. Umesh Bhalekar called upon youths to look at self employment with positive attitude.

Web link: <https://www.rltsc.org/2018/12/one-day-workshop-on-self-employment-through-fisheries/>

	
<p>Information about various schemes implemented under Unnat Bharat and Baliraja Chetna campaign.</p>	<p>Demonstration on Construction of fish aquarium</p>


Dr. A.S. Sawarkar
 Activity Coordinator


Dr. R.L. Rahatgaonkar
 IQAC Coordinator


Dr. V. D. Nanoty
 Principal


Self Employment training: Manufacturing of Fragrance Stick

Date: 20/12/2018


CRYSTAL Club, Department of Chemistry organized **workshop on manufacturing of fragrance stick** to make village people, especially women self employed and to develop a practical skill among them. Students of CRYSTAL Club gave the demonstration how to make the fragrance stick and which chemicals should used to make various types of fragrance. Apart from this the second part of workshop includes the environmental friendly fragrance preparation by using the temple waste known as Nirmalya. This was the best part of the workshop. Also to bring the environment awareness among village people, students of our college gave them the demonstration about the making of paper bag.

On this occasion, Dr. Archana Sawarkar, member of NSS advisory committee of college explained the benefits of self employment. She said, 'The longer that you spend in self employment, the more confident you become in your ability to survive and thrive on your own, regardless of the situation'. Prof. Sujata Tadam, Coordinator of College Women Cell guided the participants about necessity of self employment. **Total 89 female and 43 male candidates participated in this training programme.**

	
<p>Demonstration about manufacturing of fragrance sticks (Agarbatti)</p>	<p>Demonstration about the making of paper bags</p>
	
<p>Guidance by Dr. Archana Sawarkar</p>	<p>Guidance by Prof. Sujata Tadam</p>


Dr. Poonam T. Agrawal
 Coordinator of workshop


Dr. R.L. Rahatgaonkar
 IQAC Coordinator


Dr. V. D. Nanoty
 Principal

Issue addressed: Health Awareness

Guest Lecture organised by MICRANS

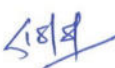
Micrans unit of Shri R.L.T. College Science in collaboration with Microbiologist Society India and Akola Blood Bank jointly organised Guest lecture on 'Blood and its components' and 'Easy way to control Infection' on date 4 February 2019. Total 350 students and 15 teachers participated and got benefited from the lecture. Dr. V.D. Nanoty and Dr. U. K. Bhalekar were present for this event. Dr. Rekha M. Agrawal (Coordinator, Akola Blood Bank) delivered talk about Blood transfusions and blood components whereas Dr. A. M. Deshmukh delivered lectures on 'Easy way to control Infection'.

Dr. H. S. Malpani organised this event, Ms. S. N. Gawandé conducted event and Ms. M. M. Deshmukh proposed vote of thanks. Organising committee members Ms. S. J. Maheshwari, Ms. M.M. Deshmukh, Ms. V.U. Bhusari, teaching and non-teaching staff and students took efforts for this event.




Dr. H. S. Malpani

Coordinator MICRANS


Dr. R. L. Rahatgaonkar
IQAC Co-ordinator
Shri R.L.T. College of Science,
Akola


Dr. V. D. Nanoty

Principal

Issue addressed: Research propagation.

International Webinar in collaboration with Badrinayan Barwale college, Jalna

Department of Microbiology of Shri. R. L. T. College of Science, Akola in collaborations with Microbiology Society India and Badrinayan Barwale College, Jalna. Organised **One Day International Webinar on Recent trends in Genetic Modifications** on date **9th February 2019**. Dr. V. D. Nanoty, Dr. U. K. Bhalekr, Dr. H. S. Malpani, Ms. S. N. Gawande, all teaching staff and **43 students** of M.Sc. Microbiology attended this webinar.

Initiative for this webinar was taken by Dr. Suresh Kagne of Badrinayan Barwale College Jalna in association with Microbiologist Society India. Webinar started with Key Note address of Dr. Usha B. Zehr, Director of MAHYCO on topic Plant breeding innovation: Advances in agriculture. After that Dr. Tanzima Yasmin Professor, University of Rajshahi Bangladesh delivered talk on GMO and general concern. Third talk was of Dr. Abdullah Sahael of Jahangirnagar University Bangladesh on topic Optimisation of genetic engineering approaches for disease resistance citrus. Last talk of day was delivered by Mr. Sutar Suhas, research scholar of Institute of Crop Sciences, China on topic CRISPR/Cas9 mediated editing of wheat to improve drought resistance.

This webinar gave audience opportunity to interact with international research scholars and helped in research propagation.



(Weblink: <https://www.rltsc.org/2019/02/webinar-conducted-at-rlt/>)

Dr. R. L. Rahatgaonkar
IQAC Co-ordinator
Shri R.L.T. College of Science,
Akola

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

Issue Addressed: Propagation of scientific temperament


Department of Microbiology 2018-19

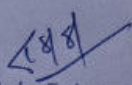
SHRI R. L. T. COLLEGE OF SCIENCE, AKOLA

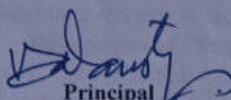
REPORT FOR IQAC 2019-20

(On the Occasion of Golden Jubilee Year of Shri R. L. T. College of Science, Akola)

IQAC ACTIVITY No.:5

Name of the Activity	Online Soft Skill Development Workshop (On the Occasion of Golden Jubilee Year of Shri R. L. T. College of Science, Akola)		
Date	Faculty	Department/ Committee	Coordinator Name
27/04/2020	Dr. Poonam T. Agrawal- Coordinator Shri.R.D. Chaudhary- Member Dr. A.G. Sarap-Co- coordinator Dr. H.S. Malpani- Member	Department of Chemistry & Career Counselling and Placement Cell & IQAC Shri R.L.T.College of Science, Akola	Dr. Poonam T. Agrawal
Time	Venue	Number of Participants	Nature Indoor/Outdoor /Online/Offline
-----	---	702	Online
Link	https://forms.gle/n4AFdUa2b9cfsiSC8		
Spread sheet Link	https://docs.google.com/spreadsheets/d/1_eMTAnhtfRF3ujhQzKLJ_zKFRKd8hAUes_H-2Fhbk90/edit?usp=sharing		
Detail Analysis Report QR code	Not only R.L.T.College students or the students from S.G.B.Amravati University, near by places like amravati, Nagpur Karanja, wardha get benifited by this workshop but Students from M.P., A.P., Jammu and Kashmir and many states students took the benefit of workshop. Please scan the QR code to see the details. 		
Support/ Assistance	Shri R.L.T. College of Science, Akola		


Dr. R. L. Rahatgaonkar
IQAC Co-ordinator
Shri R.L.T. College of Science,
Akola


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

Sant Gadge Baba Amravati University, Amravati

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

(Re-Accredited 'A' Grade by NAAC with CGPA 3.12)

Organized

One Day Workshop

EUREKA

(Emerging Universe of Research Education & Knowledge Ascent)

For

High School students and Teachers

In Collaboration with

State Institute of Science Education, Nagpur

Department of Education (Sec.), Z.P. Akola &

District Science Forum, Akola

Date: 13th March 2019



REPORT



- Organizers -

Dr. Vijay D. Nanoty

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

Dr. Archana S. Sawarkar

Coordinator

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

Mr. Prakash Mukund

Education Officer (Sec.) Z. P. Akola

Dr. Ravindra S. Bhaskar

Coordinator

Akola District Science Forum

Issue addressed: Scientific temper

One Day Workshop

EUREKA

Shri R.L.T. College of Science, Akola, State Institute of Science Education, Nagpur, Department of Education (Sec.), Z.P. Akola and Akola District Science Forum jointly organized one Day Workshop EUREKA (Emerging Universe of Research Education & Knowledge Ascent) for High School students and teachers on 13th March 2019. Total 118 students and 30 teachers participated in the event. Principal Dr. V.D. Nanoty presided over the programme while Dinesh Tarole, Deputy Education Officer, inaugurated the workshop. Dr. Ravindra Bhaskar, coordinator of Akola District Science Forum made opening remark. Principal Dr. Nanoty said that students should develop scientific attitude. Prof. Dattaraj Vidyasagar, Dr. Sanjay Tidke (Dist. Coordinator of NSS), Prof. Shailesh Jaiswal, Vishal More (Damini Squad member) were the resource persons. Mr. Prakash Mukund, Education Officer, guided the participants. Laboratory visits were arranged for participants. Science Aptitude Test was conducted. Winners of Science Aptitude Test were felicitated.


Dr. Sudhir Kohchale and Prof. Shailesh Jaiswal conducted the proceedings whereas Madhav Munshi, Principal, New English High School, proposed a vote of thanks. Coordinator Dr. Archana Sawarkar, Organizing committee members Dr. S.R. Kohchale, Dr. R.P. Joshi, Mr. R.B. Ghayalkar, Dr. H.S. Malpani, S.R. Jaiswal, A.B. Khedkar, teaching and non teaching staff and students work hard for success of workshop.




Presidential speech by Mr. Prakash Mukund,
Education Officer (Sec.), Z.P. Akola

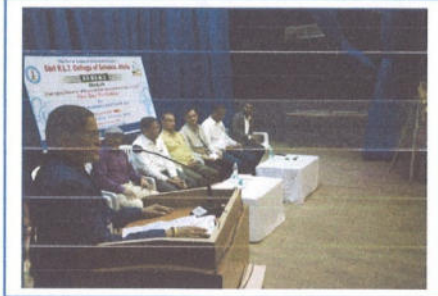







Winner Team of Science Aptitude Test


Dr. Archana Sawarkar
Coordinator of Workshop


Dr. Vijay Nanoty
Principal



One day workshop EUREKA (Emerging Universe of Research Education & Knowledge Ascent) Inaugural function	
	
Welcome speech by Dr. Archana Sawarkar, Coordinator of Workshop	Introductory speech by Dr. R.S. Bhaskar, Coordinator of District Science Forum
	
Inaugural address by Dinesh Tarole, Deputy Education Officer, Z.P. Akola	Presidential speech by Principal Dr. Vijay Nanoty
	
Vote of thanks by Madhav Munshi, Principal, New Eng. High School, Akola	Anchoring by Prof. Shailesh Jaiswal

Shri R. L. T. College of Science, Akola
Department of Computer Science/ IT
Session 2018-19

Spoken Tutorial Project Report
(Training & Assessment Test)

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

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

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

Details of Online Workshop & Training & Assessment Test is as follows:

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

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

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

#	First Name	Last Name	Email Id
1	NAMRATA	JOSHI	namratajoshi9106@gmail.com
2	NAMRATA	PONGANTY	namratanameo271@gmail.com
3	SHRADDHA	DHAWALE	dhawaleshraddha20@gmail.com
4	VAISHNAVI	DESHMUKH	vairuja174@gmail.com
5	SHUBHAM	SHRIWAS	shubhamshriwas786@gmail.com
6	VISHAL	TAYADE	vishaltayade201@gmail.com
7	MAHADEV	GHUGE	mahadevghuge98@gmail.com



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

Dr. R. L. Rahatgaonkar
IQAC Co-ordinator
Shri R.L.T. College of Science,
Akola


Principal
Shri R.L.T.College of Science
Civil Lines, Akola (MS)


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


REPORT FOR IQAC 2019-20

(On the Occasion of Golden Jubilee Year of Shri R. L. T. College of Science, Akola)

IQAC ACTIVITY No.: 06

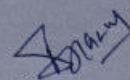
Name of the Activity	Online Corona Awareness Programme (Covid-19) (On the Occasion of Golden Jubilee Year of Shri R. L. T. College of Science, Akola)		
Date	Faculty	Department/ Committee	Coordinator Name
29/04/2020	Dr. Poonam T. Agrawal-Coordinator Dr. A.G. Sarap Co-coordinator	Department of Chemistry & IQAC Shri R.L.T.College of Science, Akola	Dr. Poonam T. Agrawal
Time	Venue	Number of Participants	Nature Indoor/Outdoor /Online/Offline
-----	---	911	Online
Link	https://forms.gle/1waDBGmzoA9qWvsPA		
Spread sheet Link	https://docs.google.com/spreadsheets/d/1XbfNLzCAIagkihKcywfi_DDSYDOAfNvRvAeSeBiQ74/edit?usp=sharing		
Detail Analysis Report QR code	Not only R.L.T.College students or the students from S.G.B.Amravati University, near by places like amravati, Nagpur Karanja, wardha get benefited by this workshop but Students from M.P., A.P., Jammu and Kashmir and many states students took the benefit of workshop. Please scan the QR code to see the details. 		
Support/ Assistance	Shri R.L.T. College of Science, Akola		


Dr. R. L. Rahatgaonkar
IQAC Co-ordinator
Shri R.L.T. College of Science,
Akola


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

BRIEF INFORMATION ABOUT THE ACTIVITY (CRITERION NO.)

TOPIC/ SUBJECT OF THE ACTIVITY	Online Corona Awareness Programme (Covid-19)
OBJECTIVES	<ol style="list-style-type: none"> 1. To give the knowledge of COVID-19 Virus. 2. To make aware students about its harmful effect. 3. To bring awareness about this Covid-19 disease. 4. To Explain the Precautions to be taken during this situation. 5. To make aware how physical exercise boost the immunity. 6. To provide the moral support to the students.
METHODOLOGY	<p>Due to Pandemic condition of COVID-19, it is not possible to conduct the activity offline but it is necessary to boost the moral of the students during this pandemic condition. It is a part and parcel of teacher to bring out the awareness among the students and the society. The B.G.E.Society is also play a key role in this awarenesscampaign. Adv. Motisinghji Mohta sir, The President of the B.G.E. Society address the students and the society and brings out the awareness among them. Principal of our college, Dr. V.D. Nanoty being a microbiologist gives the details about the precautions to be taken in his video session. Dr. Harish Malpani, Asst. Professor of microbiology also gave video lecture on awareness of corona virus. Dr. Rajesh Chandrawanshi, Physical director of college explain how to keep our fitness during this pandemiccondition.</p>
OUTCOMES	<ol style="list-style-type: none"> 1. Total 911 participants get benefited by this workshop which is actually a big outcome. 2. This workshop brings awareness about Covid-19. 3. Participants comes to know about what Precautions should be taken during this dangerous condition. 4. Self-confidence is developed among the students. 5. This workshop gives moral support to the participants,


Coordinator


Dr. Poonam T. Agrawal
Assistant Professor & Head,
Department of Chemistry,
Shri R.L.T. College of Science, Akola

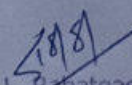
SHRI R. L. T. COLLEGE OF SCIENCE, AKOLA

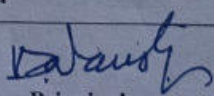
REPORT FOR IQAC 2019-20

(On the Occasion of Golden Jubilee Year of Shri R. L. T. College of Science, Akola)

IQAC ACTIVITY No.:9

Name of the Activity	आत्मनिर्भरभारत: Skill development workshop under the theme My India; My development (On the Occasion of Golden Jubilee Year of Shri R. L. T. College of Science, Akola)		
Date	Faculty	Department/ Committee	Coordinator Name
21/05/2020	Dr. Poonam T. Agrawal-Coordinator Shri.R.D. Chaudhary-Member Dr. A.G. Sarap-Co- coordinator Dr. H.S. Malpani- Member	Department of Chemistry & Career Counselling and Placement Cell & IQAC Shri R.L.T.College of Science, Akola	Dr. Poonam T. Agrawal
Time	Venue	Number of Participants	Nature Indoor/Outdoor /Online/Offline
-----	---	552	Online
Link	https://forms.gle/HWUYUd1scAMejRix6		
Spread sheet Link			
Detail Analysis Report QR code	Not only R.L.T.College students or the students from S.G.B.Amravati University, near by places like amravati, Nagpur Karanja, wardha get benifited by this workshop but Students from M.P., A.P., Jammu and Kashmir and many states students took the benefit of workshop. Please scan the QR code to see the details. 		
Support/ Assistance	Shri R.L.T. College of Science, Akola		


Dr. R. L. Ranatgaonkar
IQAC Co-ordinator
Shri R.L.T. College of Science,
Akola


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

BRIEF INFORMATION ABOUT THE ACTIVITY (CRITERION NO.)	
TOPIC/ SUBJECT OF THE ACTIVITY	आत्मनिर्भरभारत: Skill development workshop under the theme My India; My development
OBJECTIVES	<ol style="list-style-type: none"> 1. To make the students independent and self-reliant in all senses 2. To motivate the students to start their own small scale business. 3. To make aware the students about different small scale startup programme. 4. To make aware the students about different small scale business.
METHODOLOGY	<p>Career counselling Cell of Shri R.L.T.College of Science is always ahead for the upliftment of students in all the ways. Some students in the college belongs to economically weaker sections. To make some job available and to give them some economical support by earn while learn scheme, placement cell organized this workshop. In this workshop introduction about small scale business is given by videos. If any student interested in starting such small scale business then all the possible facility is provided to him/her by the college. As the population of India increase very rapidly it is not possible to get the job. So this is a better way to start our own independent business and also provides jobs to some other people. AatmNirbhar Bharat is a dream of our Respected Prime Minister to make the India self-reliant. Our college had taken a step to bring it true.</p>
OUTCOMES	<ol style="list-style-type: none"> 1. Total 552 students get benefited by this workshop which is actually a big outcome. 2. At the end of this workshop students should come to know.... <ul style="list-style-type: none"> • About the various small scale business. • Learn how these small scale business runs. • Develop effective skills for various business. • Conduct effective business correspondence and prepare business reports which produce results. 3. Self-confidence is developed among the students.

Coordinator



Dr. Poonam T. Agrawal
Assistant Professor & Head,
Department of Chemistry,
Shri R.L.T. College of Science, Akola

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

REPORT FOR IQAC 2019-20

(On the Occasion of Golden Jubilee Year of Shri R. L. T. College of Science, Akola)

IQAC ACTIVITY No.:10

Name of the Activity	Online Faculty Development Program on Development of E-Content (On the Occasion of Golden Jubilee Year of Shri R. L. T. College of Science, Akola)		
Date	Faculty	Department/Committee	Coordinator / Organizing Secretary Name
08/06/2020 To 15/06/2020	Dr. Poonam T. Agrawal-Organizing Secretary Mr. Shailesh Jaiswal-Coordinator Dr. A.G. Sarap-Member Dr. H.S. Malpani-Member	Shri R.L.T.College of Science, Akola	Dr. Poonam T. Agrawal: Organizing Secretary Shri Shailesh Jaiswal: Coordinator
Time	Venue	Number of Participants	Nature Indoor/Outdoor /Online/Offline
-----	---	923	Online
Link	https://forms.gle/HWUYUd1scAMejRix6		
Spread sheet Link	 Feedback analysis QR Code		
Detail Analysis Report QR code	Not only R.L.T.College students or the students from S.G.B.Amravati University, near by places like amravati, Nagpur Karanja, wardha get benifited by this workshop but Students from M.P., A.P., Jammu and Kashmir and many states students took the benefit of workshop. Please scan the QR code to see the details. 		
Support/ Assistance	Shri R.L.T. College of Science, Akola		

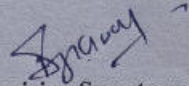
S/S/28
Dr. R. L. Rahatgaonkar
IQAC Co-ordinator
Shri R.L.T. College of Science,
Akola

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

BRIEF INFORMATION ABOUT THE ACTIVITY (CRITERION NO.)

<p>TOPIC/ SUBJECT OF THE ACTIVITY</p>	<p>Online Faculty Development Program on Development of E-Content</p>
<p>OBJECTIVES</p>	<ol style="list-style-type: none"> 1. To provide the information and skill to teachers about the various e-content. 2. To motivate the teachers to use e-content. 3. To Promote generation of e-Content in all subjects 4. To make aware the teachers about various e-content & how can they used in it to make their teaching-learning process more effective. 5. To make available the e-content to teachers and students through various delivery modes for formal and non-formal education, for supplementing and complementing teaching.
<p>METHODOLOGY</p>	<p>Due to the pandemic condition of cov0id-19, not only the India but the whole world stop. Nobody in his life time have seen such a dangerous situation. There is a condition of complete lockdown in the whole world. This situation affects the complete life of people. In such condition it is a duty of teacher to boost the moral of the students. But as it is complete lockdown, school and college were also closed. But how can one stop the education of the students. As from many years we are using the traditional methods of Black board for teaching it is quite difficult to switch towards the modern computerized method of teaching-learning. In view of this Shri R.L.T.College of science faculty members have took initiation to arrange one such faculty development programme for the teacher fraternity for E-content development.</p> <p>The faculty development progrmaee was organized by Shri R. L.T. College from 8th June to 15th June 2020. In this programme day wise e-content activities are there, like opening of goggle account, google class, preparation of video lecture etc. Assignments were also given so that there should be liveness in the programme. Our expert faculty by their videos or direct live teaching have explained all the concept to the participants. Day wise activity was there. This six days programme help all the teacher s during the pandemic condition of corona.</p>

OUTCOMES	<ol style="list-style-type: none">1. Total 923 participants get benefited by this workshop which is actually a big outcome.2. At the end of this workshop participants should come to know....<ul style="list-style-type: none">• How to open google account.• How to create our own google• How to assign the work, check the test in google class.• How to create our video-lectures.3. Self-confidence is developed among the participants towards modern teaching.4. They come to know the different e-content.5. Participants teachers have developed their own e-content.
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Organizing Secretary
Dr. Poonam T. Agrawal
Assistant Professor & Head,
Department of Chemistry,
Shri R.L.T. College of Science, Akola

National conference on Multidisciplinary Research in Science and Technology for Healthy lifestyle Management

Date: 24/10/2020

Shri RLT College of Science, Akola organized **National conference on Multidisciplinary Research in Science and Technology for Healthy lifestyle Management**, on 24/10/2020 Friday on the occasion of Golden Jubilee Year of College. The conference is organized for multidisciplinary aspects and to provide research platform to all discipline.

The program was inaugurated by **Dr. M.G. Chandekar**, Hon'ble Vice-Chancellor, SGB Amravati University, Amravati. The chairperson of the program was **Dr. R.B. Heda**, Hon'ble President, The Berar General Education Society, Akola and the Chief Guest was **Adv. Motisingh Mohta**, Hon'ble Hon. Secretary, The Berar General Education Society, Akola. The key speaker, resource persons and guests of programs were **Dr. Datta Madamwar**, UGC-BSR Faculty Fellow, Sardar Patel University, Vallabh Vidyanagar (Gujrat), **Dr. Satish Sharma**, Professor and Head, Department of Electronic & Computer Science, RTM Nagpur University, Nagpur, **Dr. P.R. Bhagat**, Professor in Chemistry, School of Advanced Science, VIT University, Vellore (T.N.) and **Dr. O.S. Sarate**, Former Scientist F, Birbal Sahani Institute of Palaeo -sciences, Lucknow.

Total 551 teachers, delegates and research scholars were present for the function. A souvenir was published and released by the hands of guests. Chief guest and resource persons enlightened the participants by their knowledge.

The program was concluded by valedictory function in gracious presence of Dr. R.S. Jaipurkar, Hon'ble Pro-VC, SGB Amravati University Amravati, Mr. Vijaykumar Toshniwal, Hon'ble Sr. Vice President, Dr Ravindra C. Jain, Hon'ble Jr. Vice President, Mr. Sharad A. Chaware, Hon'ble Jt. Secretary, The Berar General Education Society, Akola.

The Convener of Program was Principal Dr. V.D. Nanoty, Co-convener Dr. U.K. Bhalekar and Organising Secretary were Dr. R.D. Chandrawanshi, Dr. S.M. Nagrale and Dr. P.T. Agrawal. Special efforts for publication and souvenir release taken by Dr. P.P. Deohate and Financial matters handled by Mr. R.G. Chavhan. All the teaching and non-teaching took untidy efforts for success of program.



Invitation



Organized by

The Berar General Education Society's
Shri R.L.T. College of Science, Akola
Civil Lines, Akola, Maharashtra - 444 001

Re-accredited by NAAC with 'A' Grade, CGPA-3.12 (3rd Cycle)
Recognised by Government of Maharashtra
Affiliated to Sant Gadge Baba Amravati University, Amravati
Phone - 0724-2415490, Fax - 0724-2415650
E-mail - rtcollegeakola@gmail.com, Website - www.rltsc.edu.in

In association with

Microbiologist's Society, India
Amravati University Chemistry Teachers' Association, Amravati
Amravati University Physics Teachers' Association, Amravati

Respected Sir/Madam,

We solicit your august presence at the Inaugural and Valedictory Function of "National Conference on Multidisciplinary Research in Science and Technology for Health Lifestyle Management" (NCMRST-2020).

INAUGURAL FUNCTION

- Inaugurator** : **Dr. M.G. Chandekar**
Hon'ble Vice-Chancellor
S.G.B. Amravati University, Amravati
- Chairperson** : **Dr. R.B. Heda**
Hon'ble President
The Berar General Education Society, Akola
- Chief Guest** : **Adv. Motisingh Mohta**
Hon'ble Hon. Secretary
The Berar General Education Society, Akola
- Guest of Honour** : **Dr. Datta Madamwar**
UGC-BSR Faculty Fellow,
Sardar Patel University, Vallabh Vidyanagar (Gujrat)
- Dr. Satish Sharma**
Professor & Head, Dept. of Electronics & Computer Science
R.T.M. Nagpur University, Nagpur
- Dr. P.R. Bhagat**
Professor in Chemistry, School of Advanced Sciences,
Vellore Institute of Technology (VIT University), Vellore (T.N.)
- Dr. O.S. Sarate**
Former Scientist-F
Birbal Sahni Institute of Palaeosciences, Lucknow

- Day and Date : Friday, 24th January 2020
- Time : 10.00 a.m.
- Venue : College Auditorium

VALEDICTORY FUNCTION

- Chief Guest** : **Dr. R.S. Jaipurkar**
Hon'ble Pro-Vice-Chancellor
S.G.B. Amravati University, Amravati
- Chairperson** : **Shri Vijaykumar Toshniwal**
Hon'ble Sr. Vice-President
The Berar General Education Society, Akola
- Guest of Honour** : **Dr. Ravindra C. Jain**
Hon'ble Jr. Vice-President
The Berar General Education Society, Akola
- Shri Sharad A. Chaware**
Hon'ble Jt. Secretary
The Berar General Education Society, Akola

- Day and Date : Friday, 24th January 2020
- Time : 4.30 p.m.
- Venue : College Auditorium

You are invited for a Lunch after Inaugural Function of NCMRST-2020.
Please join us on this occasion.

R.S.V.P.
Dr. Vijay D. Nanoty
Principal
Shri R.L.T. College of Science, Akola
Convener, NCMRST-2020



Patrons

- Dr. Murlidhar G. Chandekar**
Hon'ble Vice Chancellor, S.G.B.A.U., Amravati
- Dr. Rajkumar B. Heda**
Hon'ble President
- Adv. Motisingh G. Mohta**
Hon'ble Hon. Secretary
- Shri Vijaykumar S. Toshniwal**
Hon'ble Sr. Vice President
- Dr. Ravindra C. Jain**
Hon'ble Jr. Vice President
- Shri Sharad A. Chaware**
Hon'ble Jt. Secretary
- Adv. Pramod W. Agrawal**
Dr. Satyanarayan R. Baheti
Adv. Ajaykumar R. Gupta
Shri Pavan N. Maheshwari
Er. Abhijeet G. Paranjape
- Prof. Shrikrushna R. Amraotikar**
Sau Devyani M. Choudhary
Prof. Vishwanath T. Hajare
Shri Vijaykumar R. Panpaliya
Shri Avinash B. Sureka
- Shri Anilkumar S. Tapadia**
Hon'ble Executive Members of the B.G.E. Society, Akola

Convener

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

Co-Convener

Dr. Umesh K. Bhalekar

Treasurer

Mr. Ram G. Chavan

Organizing Secretaries

Dr. Rajesh D. Chandrawanshi

Dr. Sushil M. Nagrale

Dr. Poonam T. Agrawal

Joint Secretaries

Mrs. Vaishali N. Badgujar

Dr. Sujata B. Tadam

Mr. Mangesh R. Ubale

Mr. Prashant P. Gedam

Dr. Rajendra L. Rahatgaonkar


IQAC Co-ordinator

Local Organizing Committee

- | | | | |
|---------------------------|----------------------------|----------------------------|--------------------------|
| Dr. A. S. Sawarkar | Dr. P. P. Deohate | Mr. R. D. Chaudhari | Dr. P. M. Khadse |
| Dr. P. R. Kawle | Dr. S. R. Kohchale | Dr. K. M. Heda | Dr. A. A. Sangole |
| Dr. A. G. Sarap | Mr. R. B. Ghayalkar | Dr. H. S. Malpani | Mr. S. V. Madavi |
| Dr. R. P. Joshi | Dr. R. M. Agrawal | Dr. S. L. Munde | Mr. V. D. Deotale |
| Ms. S. N. Gawande | Mr. A. B. Khedkar | Mr. S. C. Zyate | Mr. S. R. Jaiswal |

National Conference on ⁽³⁾ *online*
Multidisciplinary Research in Science and Technology
 for Healthy Lifestyle Management
NCMRST-2020
 Friday, 24th January 2020

The Berar General Education Society's
Shri R.L.T. College of Science, Akola



Name : Prof./Dr./Mr./Ms./Mrs. Ashish D. Bansod
 Designation : Asst. Prof. & Head, Dept. of Chemistry
 College / Institute / University : Rajawade Science College, Chandur Rly.
 Address : Chandur Rly.
 E-mail : drashishbansod@gmail.com Mobile No. : 9890603165
 Abstract Title : Synthesis, spectral characterization and antimicrobial studies of some transition metal complexes with ONNO-donor tetradentate
 Sub-Theme : -
 Presentation : Oral / Poster / Participation only
 Accommodation Required : Yes / No
 Registration Fee : Rs. 500/-
 Payment Mode : Cash / DD / RTGS / NEFT
 Payment Details : Transaction / DD No. 001314808181 Date 13/01/20

Photocopy of this form can be used

Rajawade
 Signature



CRITERION I: CURRICULAR ASPECTS

National Conference on
Multidisciplinary Research in Science and Technology
for Healthy Lifestyle Management
NCMRST-2020
Friday, 24th January 2020
Organized by
The State Council Education Society's
Shri R.L.T. College of Science, Akola
In association with
Microbiologist's Society, India
Amravati University Chemistry Teachers' Association, Amravati
Amravati University Physics Teachers' Association, Amravati

Feedback Form

Thank you for your active participation in NCMRST-2020. Please take a moment to provide us with feedback. Your inputs are most essential to ensure best learning experience and conduct next events. Tick the appropriate (✓)

Name: Dr. Sachin N. Tayode
College/Institute: Late. Kundalikrishna Gawali Arts & Science College, stepur
E-mail ID: tayode.sachin@gmail.com
Contact No.: 9664298337, 9766453637

Sl. No.	Comments on the Conference	Excellent	Good	Fair	Poor
1.	Pre-conference communication	✓			
2.	Organization of conference	✓			
3.	Registration procedure	✓			
4.	Schedule and timing of conference	✓			
5.	Keynote address		✓		
6.	Invited talks	✓			
7.	Oral / poster presentation sessions		✓		
8.	Souvenir and its contents		✓		
9.	Food and refreshment		✓		
10.	Accommodation (if any)		✓		
11.	Facilities in the conference		✓		
12.	Hospitality during the conference		✓		

Overall remark: _____
Any suggestions: _____
Participant's Signature: _____

National Conference on
Multidisciplinary Research in Science and Technology
for Healthy Lifestyle Management
NCMRST-2020
Friday, 24th January 2020
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The State Council Education Society's
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Feedback Form

Thank you for your active participation in NCMRST-2020. Please take a moment to provide us with feedback. Your inputs are most essential to ensure best learning experience and conduct next events. Tick the appropriate (✓)

Name: Dr. Yashraj S. Thakur
College/Institute: Yashwantrao Mahavidyalaya, Nandgaon
E-mail ID: yashrajst2020@gmail.com
Contact No.: 9604812046

Sl. No.	Comments on the Conference	Excellent	Good	Fair	Poor
1.	Pre-conference communication				
2.	Organization of conference				
3.	Registration procedure				
4.	Schedule and timing of conference				
5.	Keynote address				
6.	Invited talks				
7.	Oral / poster presentation sessions				
8.	Souvenir and its contents				
9.	Food and refreshment				
10.	Accommodation (if any)				
11.	Facilities in the conference				
12.	Hospitality during the conference				

Overall remark: Excellent
Any suggestions: Keep it up, and thank you for giving such platform
Participant's Signature: _____



Sl. No.	Sl. No.	Name of Participant	Institute/College Name	Title of Research Paper	Presentation	Contact No.	Reg. Fee	Pub. Fee	Payment Details	Signature
1	1	Dr. Yash Thakur	Shri R.L.T. College of Science, Akola	INFLUENCE OF pH ON CHARACTERIZATION AND EXTRACTION OF ALKALOID FROM BACTERIAL ISOLATES OF URUGAL LAKE	Participation	96221278	500	300	cash	Cash Paid
2	2	Dr. T. K. Bhadani	Shri R.L.T. College of Science, Akola	ANTIBIOTIC POTENTIAL OF TRICHOVIRIDIA SPECIES OF SOIL INSECTS	Poster	9666453637	500	300	cash	Received
3	3	Prof. R. S. Chavan	Shri R.L.T. College of Science, Akola	EFFECT OF HEAT AND ACCELERATION ON ADSORPTION ABILITY OF MIRA AND VERA	Poster	96221278	500	300	cash	Received
4	4	Dr. S. D. Chavan	Shri R.L.T. College of Science, Akola	EFFECT OF HEAT AND ACCELERATION ON ADSORPTION ABILITY OF MIRA AND VERA	Poster	96221278	500	300	cash	Received
5	5	Dr. S. D. Chavan	Shri R.L.T. College of Science, Akola	EFFECT OF HEAT AND ACCELERATION ON ADSORPTION ABILITY OF MIRA AND VERA	Poster	96221278	500	300	cash	Received
6	6	Dr. S. D. Chavan	Shri R.L.T. College of Science, Akola	EFFECT OF HEAT AND ACCELERATION ON ADSORPTION ABILITY OF MIRA AND VERA	Poster	96221278	500	300	cash	Received
7	7	Dr. S. D. Chavan	Shri R.L.T. College of Science, Akola	EFFECT OF HEAT AND ACCELERATION ON ADSORPTION ABILITY OF MIRA AND VERA	Poster	96221278	500	300	cash	Received
8	8	Dr. S. D. Chavan	Shri R.L.T. College of Science, Akola	EFFECT OF HEAT AND ACCELERATION ON ADSORPTION ABILITY OF MIRA AND VERA	Poster	96221278	500	300	cash	Received
9	9	Dr. S. D. Chavan	Shri R.L.T. College of Science, Akola	EFFECT OF HEAT AND ACCELERATION ON ADSORPTION ABILITY OF MIRA AND VERA	Poster	96221278	500	300	cash	Received
10	10	Dr. S. D. Chavan	Shri R.L.T. College of Science, Akola	EFFECT OF HEAT AND ACCELERATION ON ADSORPTION ABILITY OF MIRA AND VERA	Poster	96221278	500	300	cash	Received
11	11	Dr. S. D. Chavan	Shri R.L.T. College of Science, Akola	EFFECT OF HEAT AND ACCELERATION ON ADSORPTION ABILITY OF MIRA AND VERA	Poster	96221278	500	300	cash	Received
12	12	Dr. S. D. Chavan	Shri R.L.T. College of Science, Akola	EFFECT OF HEAT AND ACCELERATION ON ADSORPTION ABILITY OF MIRA AND VERA	Poster	96221278	500	300	cash	Received
13	13	Dr. S. D. Chavan	Shri R.L.T. College of Science, Akola	EFFECT OF HEAT AND ACCELERATION ON ADSORPTION ABILITY OF MIRA AND VERA	Poster	96221278	500	300	cash	Received
14	14	Dr. S. D. Chavan	Shri R.L.T. College of Science, Akola	EFFECT OF HEAT AND ACCELERATION ON ADSORPTION ABILITY OF MIRA AND VERA	Poster	96221278	500	300	cash	Received

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

REPORT FOR IQAC 2020-21

(On the Occasion of Golden Jubilee Year of Shri R. L. T. College of Science, Akola)

IQAC ACTIVITY No.:11

Name of the Activity	Online Short Term Course on Research Methodology		
Date	Faculty	Department/ Committee	Coordinator / Organizing Secretary Name
13 th July To 16 th July 2020	Dr. Poonam T. Agrawal-Organizing Secretary Mr. Shailesh Jaiswal- Member Dr. A.G. Sarap- Member Dr. H.S. Malpani- Member DR. Rohit Agrawal- Member	Shri R.L.T.College of Science, Akola & Ph.D.Cell Sant Gadge Baba Amravati University, Amravati. & AUCTA & MSI	Dr. Poonam T. Agrawal: Organizing Secretary
Time	Venue	Number of Participants	Nature Indoor/Outdoor /Online/Offline
-----	---	3225	Online
Link			
Spread sheet Link			
Detail Analysis Report QR code	Not only R.L.T.College students or the students from S.G.B.Amravati University, near by places like amravati, Nagpur Karanja, wardha get benefited by this workshop but Students from M.P., A.P., Jammu and Kashmir and many states students took the benefit of workshop. Please scan the QR code to see the details.		
Support/ Assistance	Shri R.L.T. College of Science, Akola		



Dr. R. L. Rahatgaonkar
IQAC Co-ordinator
Shri R. L. T. College of Science,

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

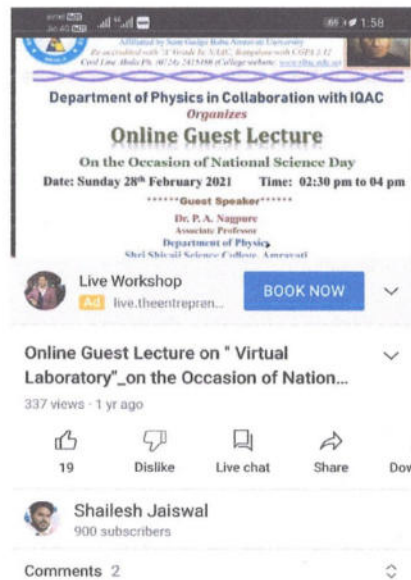
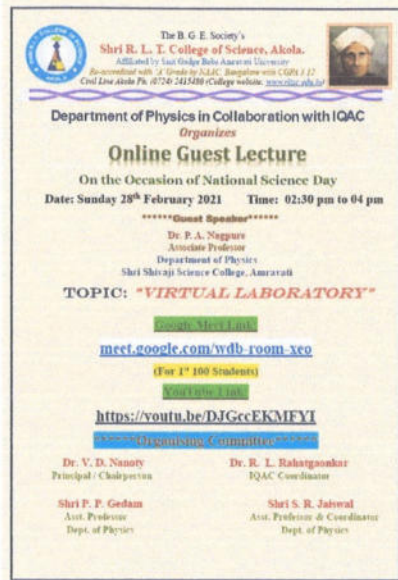
CRITERION I: CURRICULAR ASPECTS

BRIEF INFORMATION ABOUT THE ACTIVITY (CRITERION NO.)

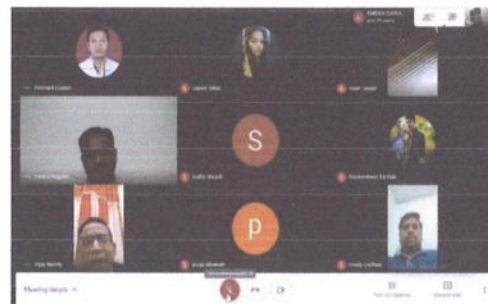
TOPIC/ SUBJECT OF THE ACTIVITY	Online Short Term Course on Research Methodologytent
OBJECTIVES	<ol style="list-style-type: none"> 1. To provide the information to researchers about the Ph.D. Entrance Examination. 2. To provide the information regarding pre-Ph.D. course work 3. To provide the information about Review of literature survey, how to write synopsis and thesis. 4. To make aware the teachers about various UGC schemes for research funding and how to apply for it. 5. To aware the researchers about how to apply for patent. 6. To motivate the students for Research. 7. To motivate the students and teachers to apply for various research funding. 8. To motivate the teachers to apply for patent.
METHODOLOGY	<p>Four days Online Short Term Course on Research Methodology was being organized by Shri R.L.T.College of Science, Akola in collaboration with Ph.D. Cell Sant Gadge Baba Amravati University, Amravati and Amravati University Chemistry Teachers Association and Microbiologist Society India from 13th July to 16th July 2020. The programme was started with University song. Principal Dr. V.D. Nanoty Delivered the welcome Speech and Hon'ble DR. Hemant Deshmukh, Director Board of Examinations and evaluations gave the introductory remark.</p> <p>The Online Short Term Course was formally inaugurate by Hon'ble Vice-Chancellor of Sant Gadge Baba Amravati University, Amravati Hon'ble Dr. MurlidharjiChandekar. 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.</p> <p>Dr. TusharDeshmukh, 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</p>

Shri RLT College of Science, Akola
Department of Physics

Online Guest Lecture on Virtual Laboratory



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.

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

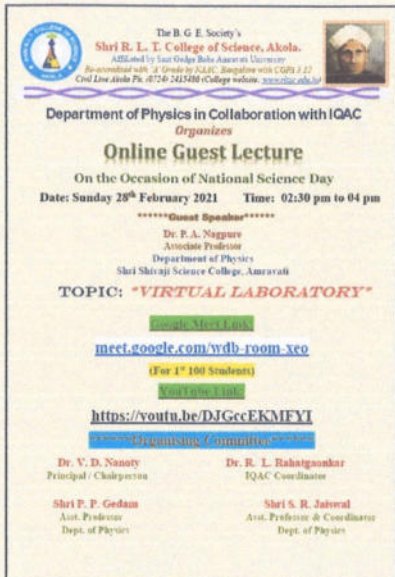
Information Brochure: <https://bit.ly/38ypwGW>

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

Handwritten signature

Shri RLT College of Science, Akola
Department of Physics

Online Guest Lecture on Virtual Laboratory



The B. G. E. Society's
Shri R. L. T. College of Science, Akola.
Affiliated to Sant Gadge Baba Ambedkar University
Recognized with 'A' Grade by UGC, Bangalore with COPU 2.22
Civil Line Akola Pin- 43746. 242549 (College website: www.shri-rlt.ac.in)

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

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

TOPIC: **"VIRTUAL LABORATORY"**

meet.google.com/vdb-room-xco
(For 1* 100 Students)
<https://youtu.be/DJGccEKMFIY>

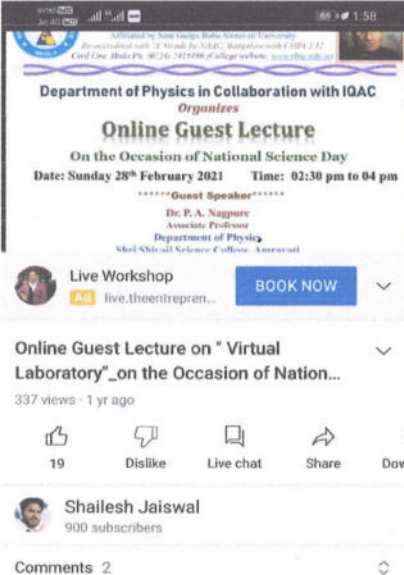
www.facebook.com/DepartmentofPhysicsShriRLT
Organising Committee

Dr. V. D. Nanoty
Principal / Chairperson

Dr. R. L. Bahatgaonkar
IQAC Coordinator

Shri P. P. Gedam
Asst. Professor
Dept. of Physics

Shri S. R. Jaiswal
Asst. Professor & Coordinator
Dept. of Physics



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

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

Live Workshop
Ad live.theentrepren... **BOOK NOW**

Online Guest Lecture on " Virtual Laboratory" _on the Occasion of Nation...
337 views · 1 yr ago

19 Dislike Live chat Share Down

Shailesh Jaiswal
900 subscribers

Comments 2

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.

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

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

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

V. D. Nanoty

The Berar General Education Society's
Shri R. L. T. College of Science, Akola



**Department Physical Education & Sports
Degree College**



REPORT

The Berar General Education Society's
Shri R. L. T. College of Science, Akola
Department of Physical Education and Sports
& I.Q.A.C. in Collaboration with
Ajinkya Fitness Park, Akola

Online

Certificate Course in Physical Fitness

Dt. 5th to 15th June 2021

Be fit for Nation Fitness Task Force No Fees Open to All



The Berar General Education Society's
Shri R. L. T. College of Science, Akola
 Department of Physical Education and Sports
 & I.Q.A.C. in Collaboration with
Ajinkya Fitness Park, Akola



Online
Certificate Course in Physical Fitness
 Dt. 5th to 15th 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. 27th May 2021 To 4th June 2021

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



Course Schedule /Time Table

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

CRITERION I: CURRICULAR ASPECTS

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



The Berar General Education Society's
Shri R. L. T. College of Science, Akola
 Department of Physical Education and Sports
 & I.Q.A.C. in Collaboration with
Ajinkya Fitness Park, Akola



Online
Certificate Course in Physical Fitness
 Dt. 5th to 15th June 2021

Be fit for Nation

Fitness Task Force

No Fees

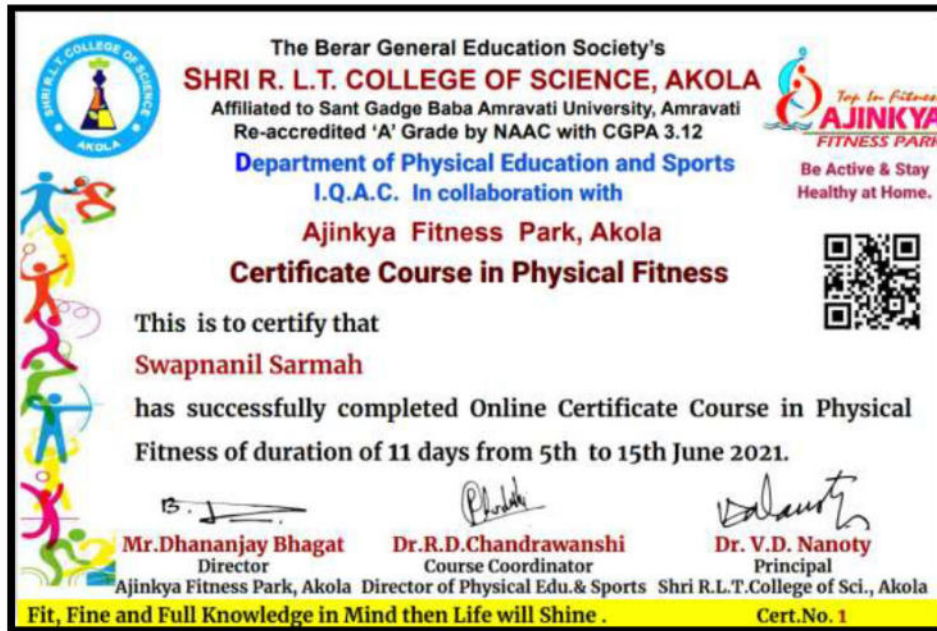
Open to All

Links / URL

Date	Event/Classes	Name of Expert	Links /URL
5 th June 2021	Opening Ceremony		
	Concept of Physical Fitness	Dr. R. D. Chandrawanshi DPES, Shri R.L.T. College of Science, Akola	https://www.youtube.com/watch?v=AqUm57vB6Cg&t=1536s
	Informative & Practical Session- Stretching Exercises		
6 th June 2021	Informative & Practical Session- Warm up Exercises	Dr. R.M. Kadam DPES, B.B. Arts, N.B. Commerce & B.P. Science College, Digras	https://www.youtube.com/watch?v=FwnMKt740Po&t=473s
	Informative & Practical Session- Suryanamaskar	Mr. Dhananjay Bhagat Director, Ajinkya Fitness Park, Akola	
7 th June 2021	Informative & Practical Session- Aerobics	Dr. Shweta Mendhe DPES, Smt. R.D.G. College for Women, Akola	https://www.youtube.com/watch?v=j4ZFpt5u2CQ&t=422s
	Informative & Practical Session- Yoga	Dr. Babarao Sangle DPES, Bapuniya Sirajoddin Patel Arts, Commerce & Sci. College, Pimpalgaon Kale	
8 th June 2021	Informative & Practical Session- Zumba	Ms. Kanchan Wagh Aerobics & Zumba Instructor University Color Holder 24 Fitness Center, Akola	https://www.youtube.com/watch?v=4UiaIUmbCU&t=2672s
	Informative & Practical Session- Pranayama & Mediation	Dr. V.A. Khodaskar DPES, Nehru Mahavidyalaya, Nerparsopant, Yavatmal	
9 th June 2021	Informative & Practical Session - Postural Deformities-I	Dr. Pravin Dabre DPES, Shripad Krushna Kolhatkar Mah., Jaglaon Jamod	https://www.youtube.com/watch?v=H8AIWb1nd0&t=160s
	Informative & Practical Session- Use of Resistance Tube exercises for strength training	Dr. Shirish Topare DPES, Bharatiya Mah., Morshi Amravati	

CRITERION I: CURRICULAR ASPECTS

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



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
I.Q.A.C. In collaboration with
Ajinkya Fitness Park, Akola
Certificate Course in Physical Fitness

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



The Berar General Education Society's
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Department of Physical Education and Sports
I.Q.A.C. In collaboration with
Ajinkya Fitness Park, Akola
Certificate Course in Physical Fitness

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.

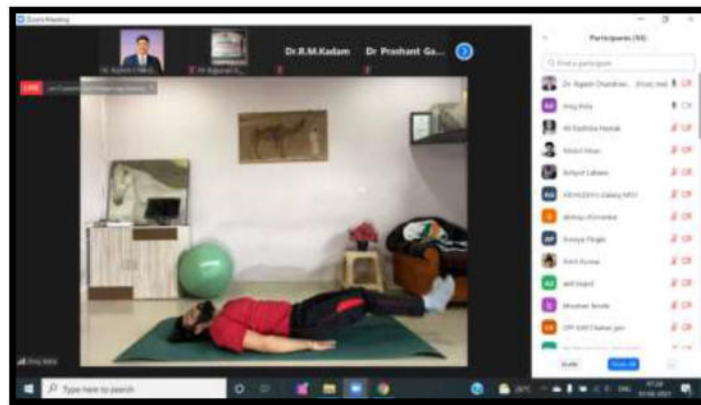
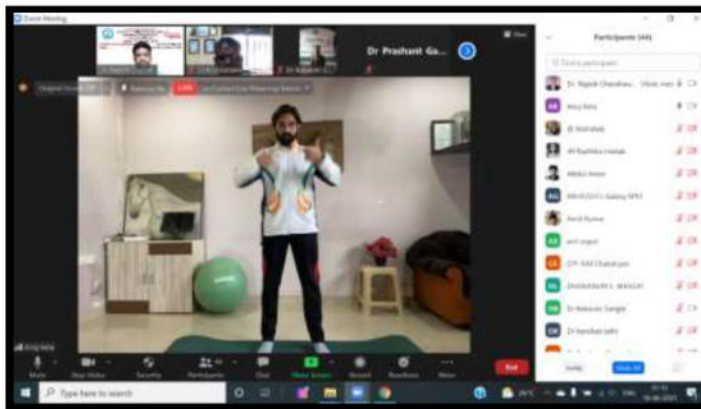
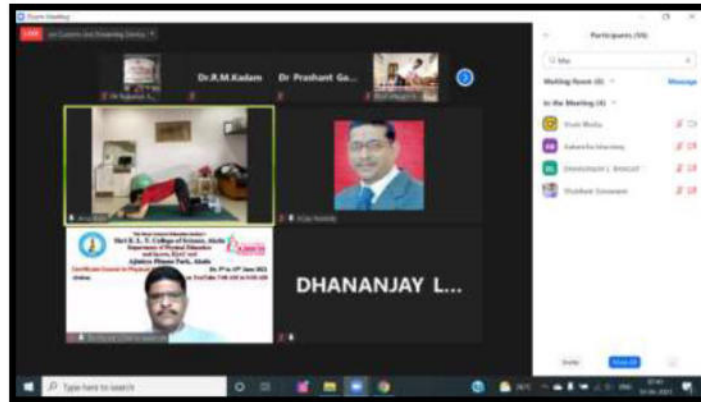
Mr. Dhananjay Bhagat Director
Dr. R.D. Chandrawanshi Course Coordinator
Dr. V.D. Nanoty Principal

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

Abdominal Exercises, Squats, Planks and Lunges

Abdominal Exercises, Squats, Planks and Lunges related introductory remark and practical session was nicely conducted by Mr. Antuj Kela, Fitness Trainer & Nutritionist, P.G. Student of M.P.Ed., PGTD Dept. SGBAU, Amravati



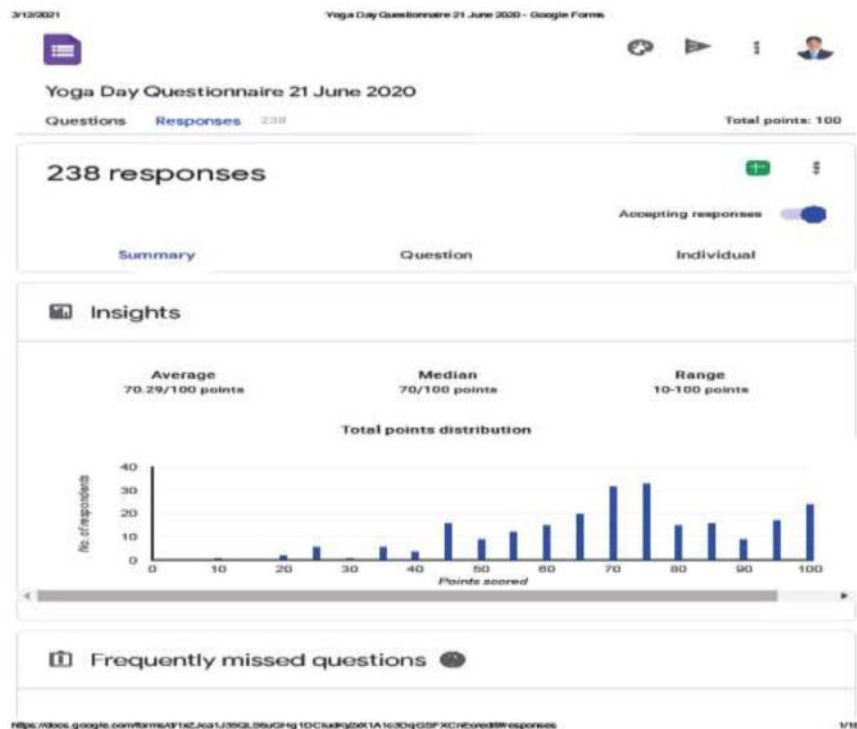
Shri R. L. T. College of Science, Akola
Department Physical Education and Sports

Degree College

Report of Session 2020-2021

International Day of Yoga 2020
21st June 2020

International Day of Yoga was celebrated on 21st 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
21st June 2020, Sunday

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

Yoga is Life

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

National Sports Day- 29th August 2020

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

Result

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



1. Maly Dhara Delhi



2. Abhijeet Sayre Akola, Maharashtra



3. Mrunali Wawge Akola Maharashtra



4. Shubham Mhataramare 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 20th March 2021 to 26th 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/1FAIpQLSdWnB0qjzhSSVXAINhY3rhpjEKpjOPCu0ntZHcGqDUJYUEg_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 30th 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 30th 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



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**

(20th March 2021 to 26th March 2021)

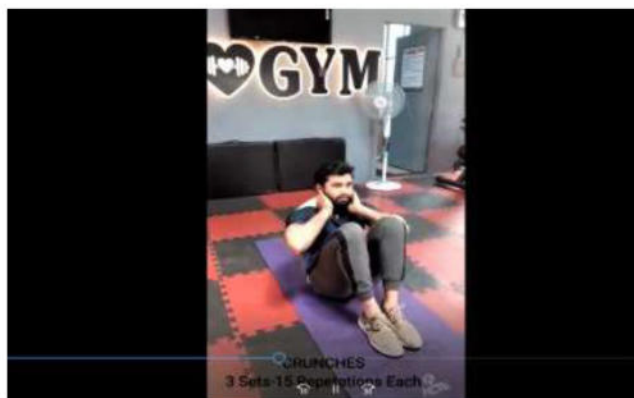
Result

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	Odisha	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/-

SHRI R. L. T. COLLEGE OF SCIENCE, AKOLA
REPORT FOR IQAC 2020-21

IQAC ACTIVITY No.: (RPJS)

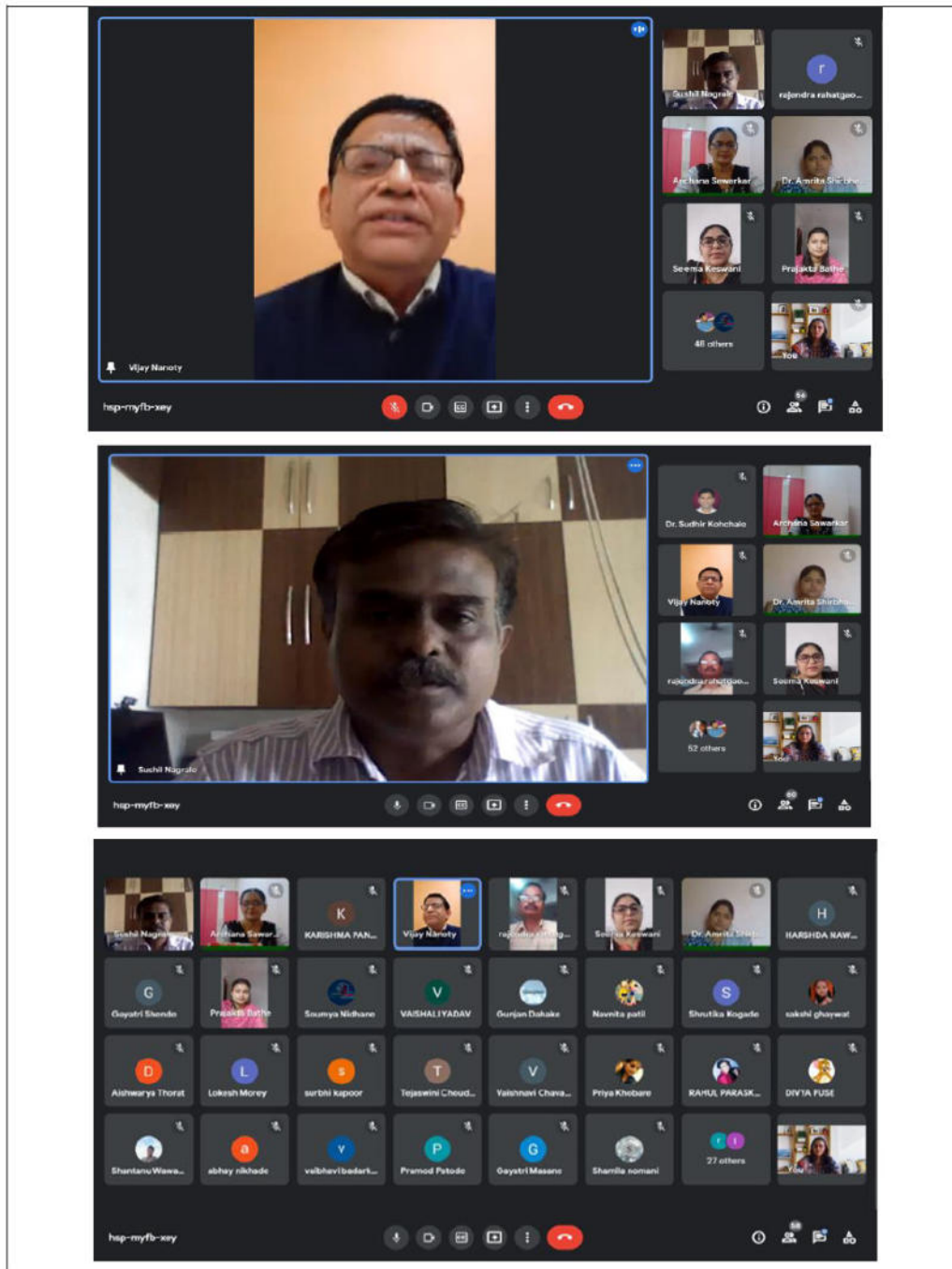
Name of the Activity	E-certificate Course in Apiculture Report (Issue Address: Skill Development Entrepreneurship development and Environment Conservation Awareness)		
Date	Faculty	Department/ Committee	Coordinator Name
27/06/2021 To 02/07/2021	Dr. S. M. Nagrale- Convener Dr. Rashmi Joshi Sawalkar- Organizing Secretary	Department of Zoology Shri R.L.T. College of Science, Akola	Dr. Rashmi Joshi Sawalkar
Time	Venue	Number of Participants	Nature Indoor/Outdoor/ Online /Offline
12:00 pm to 5:00 pm Daily	Shri R.L.T. College of Science, Akola	Near about 150 students from the College and others.	Online
Link	http://www.rltsc.edu.in/2021/07/05/one-week-e-certificate-course-in-apiculture/		
Spread sheet Link	1. Final Quiz Link: https://forms.gle/7jCRp2g2WwJH3Dut7 2. Feed Back Link: https://docs.google.com/spreadsheets/d/1Gs5EMANwF1QcxN7Ps8t_84a7Q2Xm5GQWcGkZFLFX3E/edit?usp=sharing		
Detail Analysis Report	R. L. T. College students and the entire staff as well Other College Students get benefited by this E-Certificate Course in Apiculture.		
Support/ Assistance	Shri R.L.T. College of Science, Akola		

BRIEF INFORMATION ABOUT THE ACTIVITY (CRITERION NO. 7.1.4)

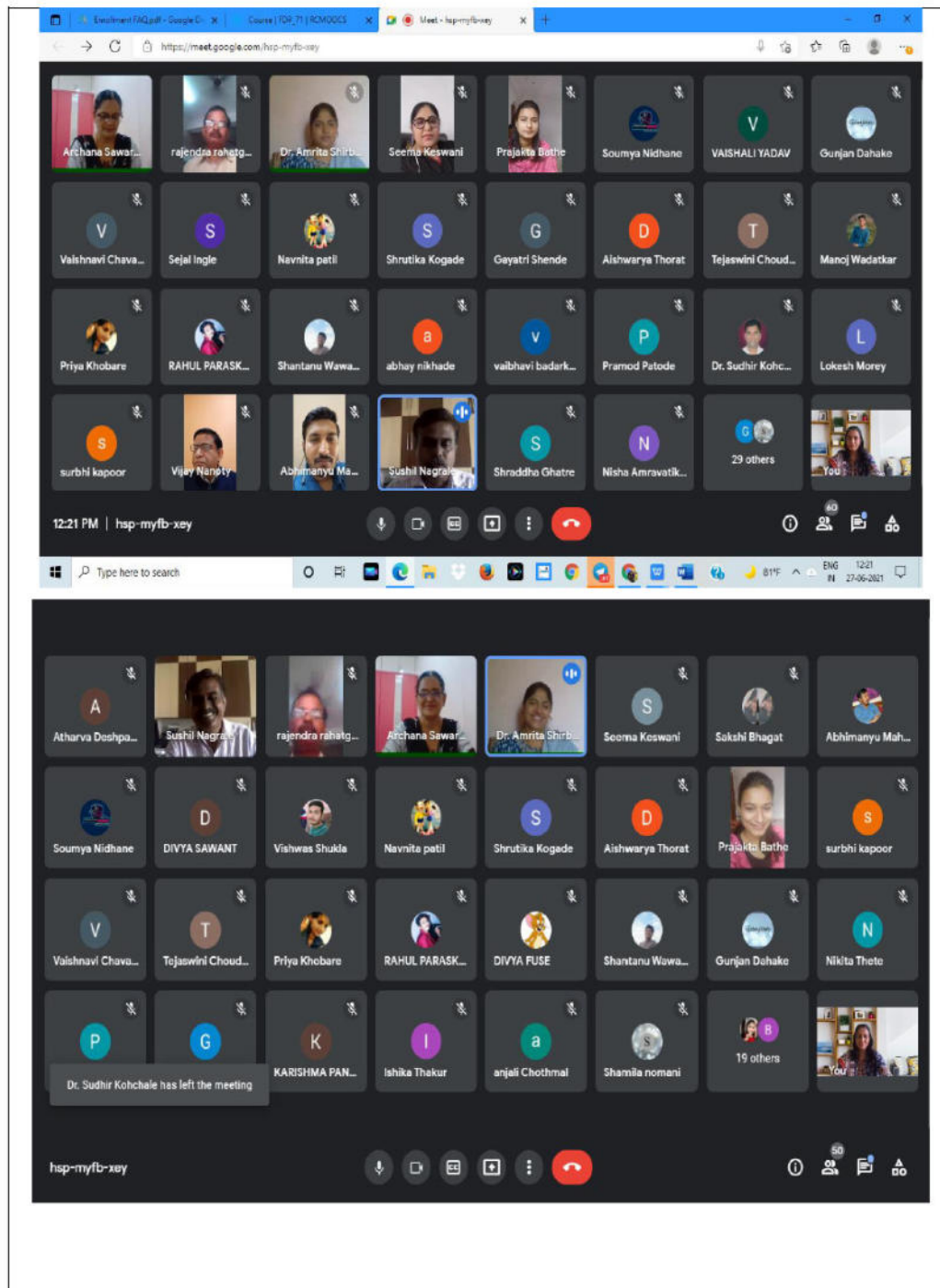
TOPIC/ SUBJECT OF THE ACTIVITY	E-certificate Course in Apiculture Report (Issue Address: Skill Development and Environment Conservation Awareness)
OBJECTIVES	1) To inculcate importance of Bee keeping and honey processing in relation with entrepreneurship development. 2) To give students knowledge about various techniques of Bee keeping and honey processing and its marketing to make them self-sustainable after graduation. 3) To teach techniques of construction of Bee Hives and its maintenance. 4) To teach students about Honey production and health related problems with Honey bees.

<p>METHODOLOGY</p>	<p>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. Anrita 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.</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Sr.no.</th> <th style="text-align: left;">Day/Date of Course</th> <th style="text-align: left;">Responses/No. of Participants attended</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Day 1 (27/6/21)</td> <td>141</td> </tr> <tr> <td>2</td> <td>Day 2 (28/6/21)</td> <td>162</td> </tr> <tr> <td>3</td> <td>Day 3 (29/6/21)</td> <td>150</td> </tr> <tr> <td>4</td> <td>Day 4 (30/6/21)</td> <td>140</td> </tr> <tr> <td>5</td> <td>Day 5 (01/7/21)</td> <td>185</td> </tr> <tr> <td>6</td> <td>Day 6 (02/7/21)</td> <td>164</td> </tr> <tr> <td>7</td> <td>Final Quiz (02/7/21)</td> <td>152</td> </tr> <tr> <td>8</td> <td>Feedback & Certificate to Qualified candidates (02/07/21)</td> <td>128</td> </tr> </tbody> </table>	Sr.no.	Day/Date of Course	Responses/No. of Participants attended	1	Day 1 (27/6/21)	141	2	Day 2 (28/6/21)	162	3	Day 3 (29/6/21)	150	4	Day 4 (30/6/21)	140	5	Day 5 (01/7/21)	185	6	Day 6 (02/7/21)	164	7	Final Quiz (02/7/21)	152	8	Feedback & Certificate to Qualified candidates (02/07/21)	128
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<p>OUTCOMES</p>	<ol style="list-style-type: none"> 1. This event creates and develops awareness in the students about the Honey Bees the Natural Pollinators. 2. Students come to know... How to behave and cautious about ecosystem balance & conservation? 3. At the end of this program, students should be able to.... <ul style="list-style-type: none"> • Got Knowledge about Bee Keeping and its importance. • Know the importance of natural resources and how to start new Entrepreneur through beekeeping. • Come to know, the economic importance of honey bee and its products etc. 																											
<p>PHOTOGRAPHS</p>																												

CRITERION I: CURRICULAR ASPECTS



CRITERION I: CURRICULAR ASPECTS





The Berar General Education Society's

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

Reaccredited "A" Grade by NAAC, Bangalore with CGPA 3.12

Department of Zoology with IQAC

Organizes

E-Certificate Course in Apiculture

From

27th June to 2nd July 2021

Our Patrons
The B.G.E. Society, Akola

Our Patrons
The B.G.E. Society's Akola

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

& All Other Executive Members

Organizing Committee Members and Speakers

<p>Dr. V. D. Nanoty Principal</p> <p>Dr. R. Rahatgaonkar IQAC Coordinator</p> <p>Dr. S.M. Nagrale Convener</p> <p>Dr. Rashmi P. Joshi Organising Secretary</p> <p>Dr. A.S. Sawarkar Dr. S R. Kohchale Members</p>	<p>Dr. Amruta Shirbhate Asst. Prof. (Zoology) Mahatma Phule Arts & Science College, Patur</p> <p>Dr. Seema Keswani Asst. Prof. (Zoology) M.S.P. Arts, Science and K.P.T Commerce College, Manora</p> <p>Dr. Abhimanyu Maheshwari Asst. Prof. (Botany) Bajaj College of Science, Wardha</p> <p>Dr. Prajakta Bathe Asst. Prof. (Zoology) B.S. Patel College, Pimpalgaon Kale, Jalgaon Jamod.</p>
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Inauguration Program Links

Google meet link (27/06/2021 at 12 noon)
(For First 100 Students)

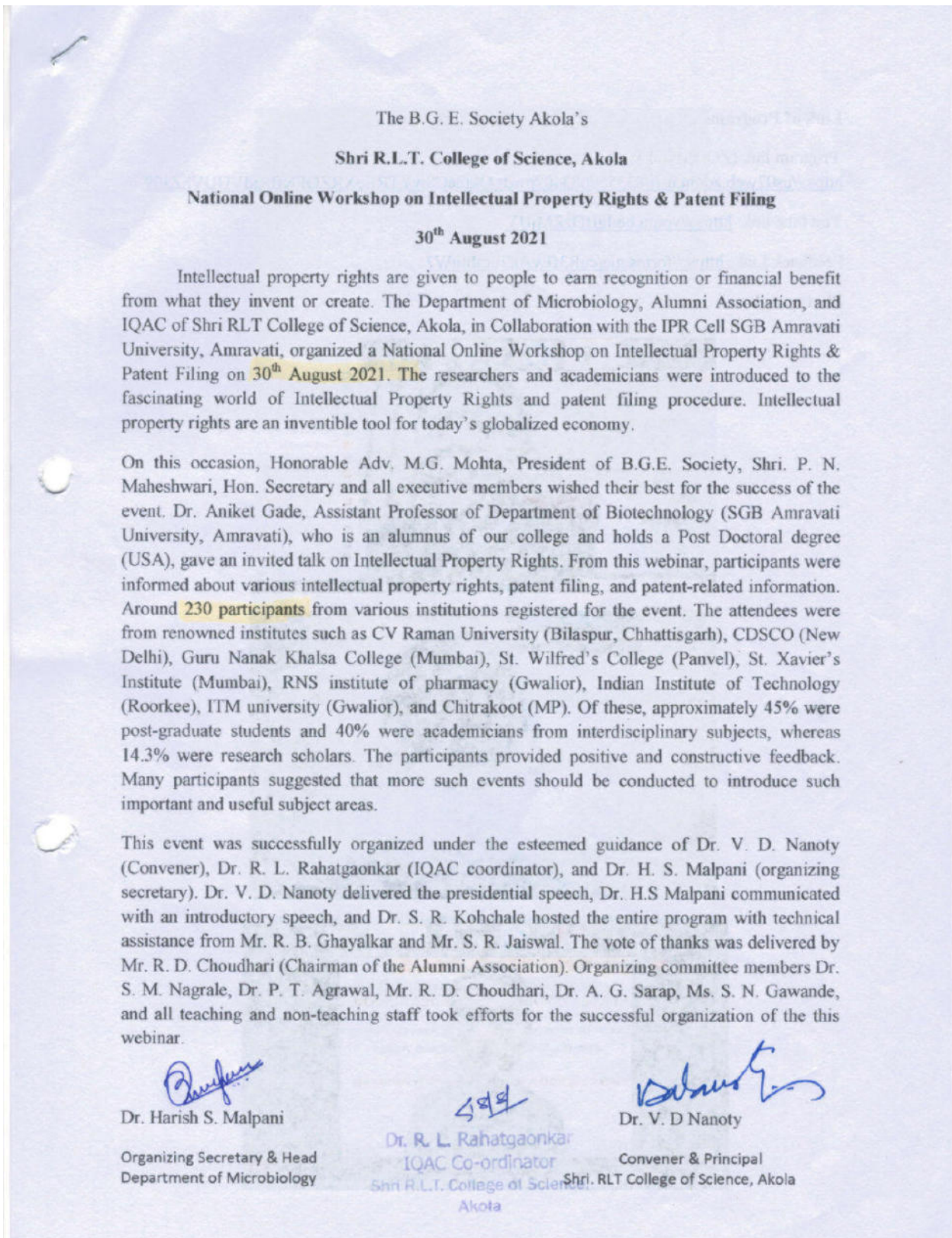
<https://meet.google.com/hsp-myfb-xey>

Or open Meet and enter this code: hsp-myfb-xey

<u>ACTIVITY SCHEDULE</u>			
Day	Contents of the Course	Links of Recourses <small>(All the links will be active at the time given in the schedule)</small>	Time
Day 1 27/06/2021 1 Sunday	<ul style="list-style-type: none"> • Introduction to Apiculture – importance & History. • Why Bees Matter? 	https://forms.gle/gVwnvJH4zjkKmsed8	12 noon To 05 pm
Day 2 28/06/2021 1 Monday	<ul style="list-style-type: none"> • Different Species of Honey Bees. • Colony Organization and Life Cycle of Honey bees 	https://forms.gle/UNb5WTinxL8gVxUeA	12 noon To 05 pm
Day 3 29/06/2021 1 Tuesday	<ul style="list-style-type: none"> • Queen Rearing • Bee keeping: Tools and Equipment. 	https://forms.gle/yrh2cA42uDoaVmGt6	12 noon To 05 pm
Day 4 30/06/2021 1 Wednesday	<ul style="list-style-type: none"> • Bees Conservation and Pollination. • What is Migratory Beekeeping? 	https://forms.gle/eFkZg87YdTW9s24G9	12 noon To 05 pm
Day 5 01/07/2021 1 Thursday	<ul style="list-style-type: none"> • Marketing and Maintenance of Bees and Bee Products 	https://forms.gle/LGXVQybePhe2cws5A	12 noon To 05 pm
Day 6 02/07/2021 1 Friday	<ul style="list-style-type: none"> • Economics of Bee Keeping 	https://forms.gle/jaMi4WFjEnPhnJlq9	12 noon To 03 pm
	<ul style="list-style-type: none"> • Final Grading Quiz 	https://forms.gle/GWwskS7dDaHzgyrn7	3 pm To 5 pm
	<ul style="list-style-type: none"> • Feedback Form 	https://forms.gle/ruLdcFriNcqdgGaSm9	5 pm Onwards

Certificate of Participation:





Link of Programs

Program link (ZOOM link):

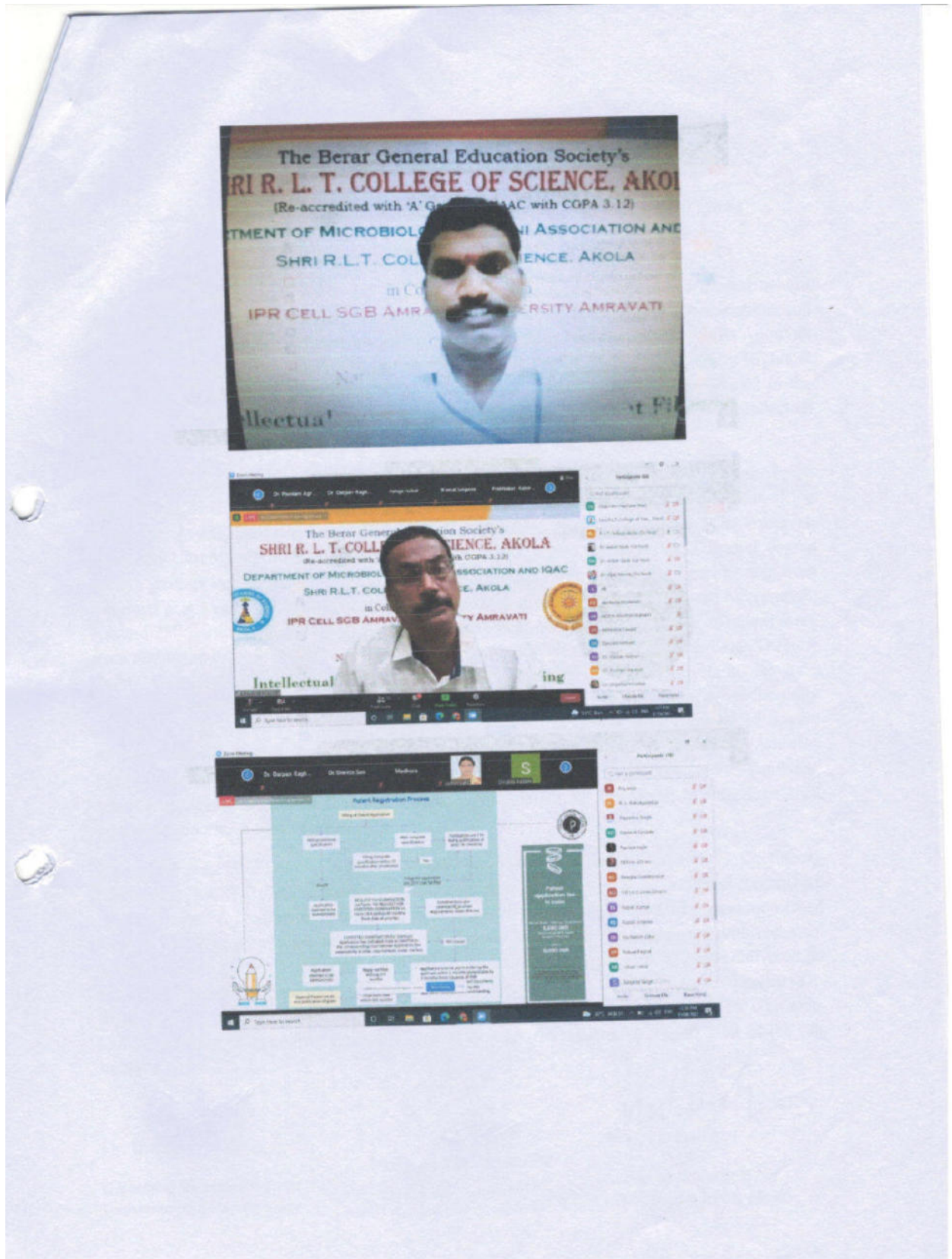
<https://us02web.zoom.us/j/83355908340?pwd=OktueC8wYTREeXRZOFNBRjdVUUVhZz09>

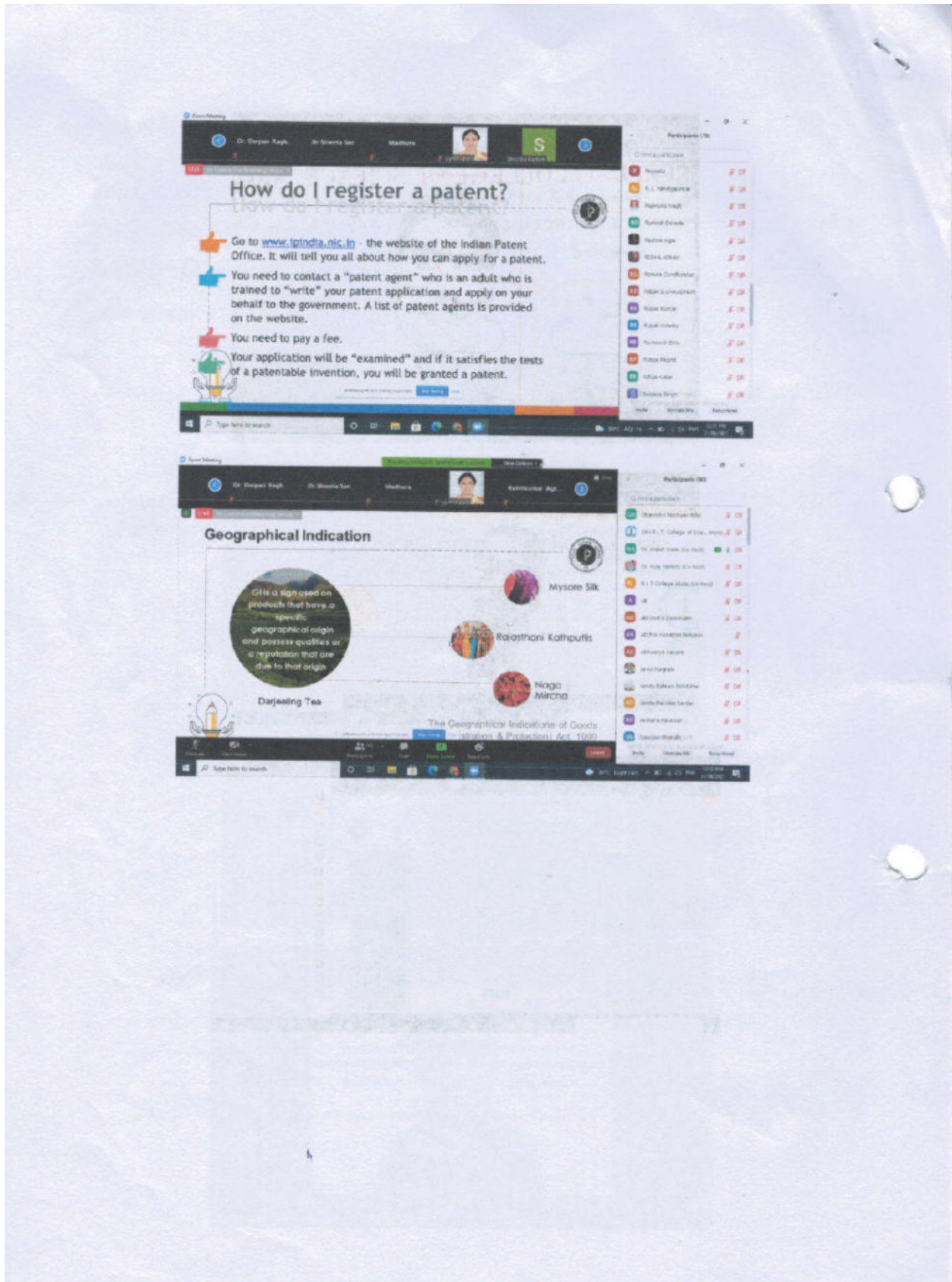
You tube link: <https://youtu.be/IgBDzZMjJY>

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

Photographs







Report

On

Hazardous Management and Fire Extinguisher Demonstration Workshop

One Day Level workshop on Hazardous Management and Fire Extinguisher Demonstration workshop was organized by Department of Chemistry and Disaster Management Club of Shri.L.T.College of Science, Akola on 16th September 2021. The objective of this workshop is to bring awareness among the Teaching, non-teaching staff and the post-graduation students about the hazardous management. The workshop also aims to give demonstration and training to the teaching, non-teaching staff members as well as M.Sc. Chemistry students about the use of fire extinguisher. How this fire extinguisher work, what are the different types of Hazardous in laboratory and how can you manage all this hazardous. I

The workshop started with the inauguration function Dr.Murlidhar Waderkar Hon'ble Joint Director of Amravati University who is also a man of Chemistry was the inaugurator of this workshop. Dr. V.D. Nanoty, Principal Shri R.L.T.College of Science, Akola was the President of this function. Respected Dr. Rameshwar Bhise, Principal, Shri Shivaji College Akola, Prof.Dr. K.N.Puri, Head department of chemistry Shri Shivaji college of science, Akola and Dr. S.V.Kolhe, Associate Professor, Department of Chemistry Shri Shivaji College Akot, graced the Programmed. The Programme started with the felicitation of guests.



Dr. Pravin Kawle, Assistant Professor department of Chemistry conduct the inauguration programme. Dr. Poonam Agrawal, Associate Professor and Head department of Chemistry, Shri R.L.T. College of Science, and Organizing secretary of the workshop gave the introductory speech.



Hon'ble DR. Murlidhar Wadekar in his inaugurator speech appreciated the department of chemistry for organization of such type of demonstration workshop. He also felt sorry to say that many organization have all the safetyequipment's but the staff members are unable to handle it. Due to lack of knowledge of handling andmanaging this hazardous situation many accidents may occur so it is good initiatives taken by Shri R.L.T.College of Science, Akola.



Principal Dr. V.D. Nanoty, in his presidential speech motivated the students towards to take such training and be aware of such types of incidents. Dr. Aashish Saraf Proposed the vote of thanks. Total 117 students and teaching and non-teaching staff members getbenefited by this workshop.



During the first technical session Dr. Poonam Agrawal, Organizing secretary and head department of Chemistry deliver the lecture on various hazardous in the laboratory and safty measure about how to handle such types of hazardous. She explain in detail about the various hazardous management.



In the second technical session Dr. Sudhir Kochale, Assistant Professor and director of Disaster management club of shri R.L.T.College of Science gave the information about various types of fire Extinguisher and also gave the demonstration and training to the non-teaching staff and students of the fire extinguisher. All the staff members and students get benefited by this workshop.



Dr. P.R. Kawle, Dr. Aashish Sarp, Dr. Kavita Heda, Dr. V.D. Deotale, Dr. R.L. Rahatgaonkar, Prof. R.D. Choudhary, Dr. Sudhir Kochale, Dr. Harish Malpani took the efforts for the successful organization of this events.

Shri
Organizing Secretary
Dr. Poonam T. Agrawal,
Associate Professor & Head
Department of Chemistry
Shri R.L.T. College of Science, Akola

V.D. Nanoty
Principal
DR. V.D. Nanoty

R.L. Rahatgaonkar
Dr. R. L. Rahatgaonkar
IQAC Co-ordinator
Shri R.L.T. College of Science,
Akola



आर.एल.टी. विज्ञान महाविद्यालयात अग्निशामक यंत्राचा आपातकालीन वापर यावरील कार्यशाळा संपन्न



प्रतिनिधी/ २१ सप्टेंबर	ऑगस्ट दिनाचे औद्योगिक साधून रसायनशास्त्र विभाग,	आपातकालीन वापर यावरील प्राथमिक कार्यशाळा संपन्न झाली या कार्यशाळेचे उद्घाटक म्हणून
अकोला : आर.एल.टी.	स्थानिक विज्ञान विद्यमाने	आपली व आपली कस यांच्या संयुक्त यंत्रांचा सहसंचालक. > पान २ वर

आर.एल.टी. विज्ञान...

उच्च शिक्षण, अमरावती विभाग, अमरावती होते. तर प्रमुख उपस्थिती डॉ. कोरे, अशोक व डॉ. सुरे, महाविद्यालयाचे प्राचार्य डॉ. विजय नानोटी यांचे साबली. तसेच म्हणून आपली व्यवस्थापन कक्षाचे डॉ. सुधीर कोडवाडे तसेच रसायनशास्त्र विभागाप्रमुख आंगनापट्टिंग सेकेटरी डॉ. पुनम अग्रवाल, आय.क्यू.ए.सी. सचनयक डॉ. रवींद्र चव्हाण होते.

सुरुवातीला महाविद्यालयाचे प्राचार्य डॉ. विजय नानोटी यांनी स्वागतपर मनोगत व्यक्त केले. त्यांनी आपल्या मनोगतातून सद्य परिस्थिती व कार्यशाळेचा उपयोजिता याची माहिती संपन्न महाविद्यालयाच्या प्राचीना आलेख आपल्या स्वागतपर मनोगतातून व्यक्त केला. तर उद्घाटक डॉ. मुरलीधर बाडेकर यांनी आपली ही कक्षा सांगून वेत नाही त्यामुळे प्रत्येक व्यक्तीचा आपली व्यवस्थापन मध्ये वापरत येणारी यंत्र साधुची हाताळण्याची अभ्यासपूर्ण माहिती आशी आवश्यक आहे. या कार्यशाळेतून सर्व कर्मचा-यांना या माहितीचा निरिच्छतय प्राप्त होईल असे मार्गदर्शनातून सांगितले. यावेळी महाविद्यालय परिमराल डॉ. बाडेकर यांच्या हस्ते बुद्धोरण करण्यात आले. तसेच तसे डॉ. कोडवाडे यांनी अग्निशामक यंत्राची माहिती प्राथमिक सह उपस्थितीत दिली. यावेळी महाविद्यालयाचे कर्मचारी अजय अग्रवाल यांनी मदत केली. प्रतिअपणा साब सर्व कर्मचा-यांनी घेतला. या कार्यशाळेचे संचालन डॉ. प्रविण कावडे यांनी तर आचार प्रदर्शन डॉ. अशिश सरप यांनी केले. या सत्राचे उपक्रमावधु यी.सी.ई. संस्थेचे अध्यक्ष डॉ. मेतेशिंदजी मोहता, उपाध्यक्ष विजयकुमारजी लोखंडवाल, कनिष्ठ उपाध्यक्ष डॉ. रविंद्रजी जैन, मानद सचिव पवनजी मोहतापते, सहसचिव इति. अशिशिंदजी घोरखे यांनी अधिमंडन केले. कार्यक्रमाच्या सारांशीसाठी प्राचार्य डॉ. विजय नानोटी यांच्या मार्गदर्शनासाठी रसायनशास्त्र विभागाप्रमुख डॉ. पुनम अग्रवाल, डॉ. रवींद्र चव्हाण, डॉ. प्रविण कावडे, डॉ. कविता होडा, डॉ. अशिश सरप, डॉ. देवराजे, डॉ. इश्वरदे तसेच प्रस्तुतकीय कर्मचारी के. राय, चटोप, दिपक वानखडे यांचेसह प्राध्यापक, प्रशासकीय, शैक्षणिक व विश्वकेंद्र कर्मचा-यांनी परिश्रम घेतले.

One Day National Level Workshop on Process of Drug Designing and Drug Discovery

One Day National Level workshop on The Process of Drug Designing and Drug Discovery was organized by Shri.R.L.T.College of Science, Akola on 4th October 2021. The objective of this workshop is to educate next-generation scientists about rational drug design, discovery & development of drugs. This workshop is an educational forum that endeavours to provide a comprehensive overview of the drug discovery process against a back drop of the technology and research revolution and includes a horizontal overview of the disciplines involved in the drug discovery process and a vertical delve in to the critical elements of each discipline.

The design and production of drugs is a field in which chemistry has had a favourable impact on life expectancy and quality over the past century. As such, this field provides a rare opportunity to introduce several concepts in chemistry and biochemistry to a large audience.

It is widely known that the design and development of a new drug generally costs more than 1 billion dollars in total and takes at least 10 years, while, despite all these efforts, only a very limited number of drug discovery projects will lead to the actual release of a new drug. Several technologies have been developed to rationalize the process by reducing duration, cost, and attrition rate, one of which is computer-aided drug design (CADD). CADD uses computing resources, algorithms, and 3D-visualization to help generate rational ideas about how to create or modify molecules, and to make decisions in the execution of the drug design process.

The workshop started with the inauguration function Prof. Ram Chavhan sir, Head department of Electronics, Shri R.L.T.College of Science, Akola and CDC member of our college was the inaugurator for this function. Dr. V.D. Nanoty, Principal Shri R.L.T.College of Science, Akola was the President of this function. DR.Lokeshkumar Gandhi, Associate Professor, SGSPS Pharmacy College Akola and Prof. S.L.Khan, Assistant Professor NBS Institute of Pharmacy Ausa, Latur, graced the Programmed.



DR.PravinKawle, Assistant Professor department of Chemistry conduct the inauguration programme. Dr. Poonam Agrawal, Associate Professor and Head department of Chemistry, Shri R.L.T.College of Science, and Organizing secretary of the workshop gave the introductory speech. Prof. R.G.Chavhan sir in his inaugural speech explain the need of more research in the field of Drug designing.



Principal Dr. V.D. Nanoty, in his presidential speech motivated the students towards to move towards this new era of drug designing. Dr. Aashish Saraf Proposed the vote of thanks. Total 100 students get benefited by this workshop.

First technical session was conducted by Dr. Pravin Kawle sir, Dr.Lokeshkumar Gupta was the resource Person for first session. In his lectures sir make the students aware about different terms used in drug discovery and technique used for the manufacturing of drugs.. The session ends by the vote of thanks by DR. Vinod Deotale.



In the second technical session Prof.S.L.Khan demonstrated the process of drug designing with the help of software. The students also tried at their own the drug designing by using the software. Really it was a very nice hand in experienced for the students. Dr. Vinod Deotale conducted this technical session two.

The valedictory function was graced by the presence of hon'ble DR. Dileep Malkhede sir The Vice Chancellor of the santGadge Baba Amravati University, Amravati. Sir was the chief Guest for this occasion. Hon'ble Adv. MotisinghjiMohta, the President of the B.G.E. Society, was at the presidential seat of this valedictory function. Respected DR. ShriprabhuChapke, Principal, Smt. L.R.T. Commerce College , Akola, Respected Dr.Devendra Vyas, Principal smt. R.D.G. Women College , Akola, Dr. Gajanan Egaonkar, Principal NathmalGoenka Law College Akola, were the guest of Honour for this occasion. The valedictory function begins with lightning of lamp followed by the welcome of the guests.



Principal DR. V.D. Naoty sir gave welcome cum introductory speech and also gave the details of the registration and beneficiaries of the workshop.



dable work 'Create scientific vision among students'



Hon'ble Vice Chancellor Dr. Dileep Malkhede appreciated the efforts taken by the department of chemistry for organizing such workshop at district level. He focused on the importance of such type of programme. He also mentioned that there is a need in redrafting of syllabus where there should be incorporation of such skill based programme.

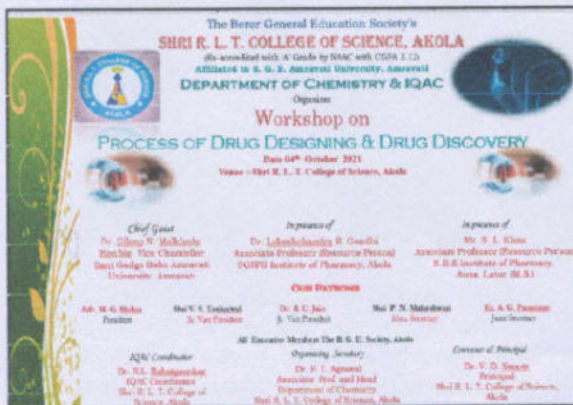
Hon'ble adv.MotinsinghjiMohta sir in his presidential speech highlighted that college is always ahead in organization of such skill based and job oriented programme. He gave assurance to the Hon'ble Vice chancellor that in future also The B.G.E. Society always take initiation in such organization. He also appreciated the department of chemistry for such nice organization always taking such programme like perfume making soap making, agarbatti making which provides job opportunity to the students.

The programme was conducted by DR. Sudhir Kochale , Assistant Professor department of Zoology, Shri R.L.T.College of Science Akola and DR. Poonam Agrawal, organizing secretary Proposed the vote of thanks.

DR. R.D. Chandrawanshi, Dr.P.P.Deohate, Dr. Kavita Heda, DR. R.L.Rahatgaonkar, Prof. R.D.Choudhary , Dr. Harish Malpani , Shri R.B.Ghayakar, Shri S.R.Jaiswaltook the efforts for the successful organization of this events.

Invitation Card

Certificate



Online Programme Link

<https://youtu.be/IOxCavYERKo>

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

Principal
DR. V.D.Nanoty
Dr. R. L. Rahatgaonkar
 IQAC Co-ordinator

Report

On

National Workshop on New Education Policy-2020

A one-day National level workshop was organized on 3/12/2021 on **New Education Policy-2020** by the Berar General Education Society's Shri R.L.T. College of Science, Akola in collaboration with Sant Gadge Baba Amravati University, Amravati. The main objective of the workshop is to bring awareness regarding the New Education Policy 2020 among the participants. The Programme also aimed to teach participants the various important aspects of NEP.

The need for new education policy was felt in the country for a long time. Three national education policies have been introduced in India till now. The emphasis of previous policies on education was mainly on issues of access to education.

The new education policy has been brought in keeping with the view the current and future needs, which can hold to large scale transformative reforms in both the school and higher education sectors. To achieve full human potential education is fundamental requirement for the development of a just and equitable society and to promote national development.

The whole world is undergoing rapid changes in the knowledge landscape. In this content, the new educational policy will replace 34-year-old National education policy framed in 1986.



The Programme started with the inauguration session and was inaugurated by Respected, Dr. Avinash Mohril sir, Principal Mahila Mahavidyalaya, Amravati. Hon'ble Adv. Motisinghji Mohta sir, The President of The Berar General Education Society was the President for this inauguration session. Dr. V.D. Nanoty, Principal, Shri R.L.T.College of Science, Akola, Dr. ShriPrabhu Chapke, Principal Smt. L.R.T. College of commerce, Respected shri Gajanan Egaonkar, Principal NathmalGoenkaLaw college, Akola and Dr. Rupa Gupta, AssistantProfessor, Smt. R.D.G. women's College Akola graced the occasion. The Programme was attained by the



organizing secretary Dr. Poonam T. Agrawal, Associate Professor and Head department of Chemistry, Shri R.L.T.College of Science, Akola, All the faculty members of R.L.T.College of Science Akola and Faculty member of other colleges and post-graduation students of Shri R.L.T.College of Science, Akola. The programme was held both in offline as well as online mode. Total 200participants get benefited by this workshop.

The Programme was started with lighting of lamp followed by University Song; felicitation of guests; Welcome and introductory speech by the Principal, Dr. V.D.Nanoty sir; inauguration speech by DR. Avinash Mohril sir.



Hon'ble Adv. Motinsinghji Mohta sir mentioned the importance of this policy and also explain how the teacher fraternity would be benefited by this kind of workshop in his presidential speech.



Avinash Mohril sir focused on the importance of languages, arts and culture in new education policy. He also explains that the teachers play role in setting the goals of this new education policy. He further highlighted the need of educational environment is must for the teachers to follow this education policy. This technical session was chaired by Dr.MamtaIngole madam.



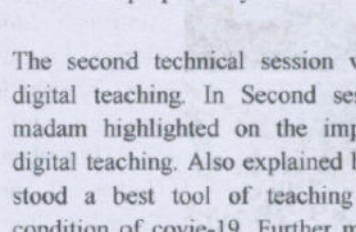
The First Technical session started with importance of Languages, arts and culture in new education policy Dr.



The inauguration function and first technical session was conducted by Dr. Sudhir Kochale sir, Introduction of guest was given by Dr. Kavita Heda madam and vote of thanks was proposed by Dr. A.G. Sarap.



The second technical session was on the online and digital teaching. In Second session Dr. Rupa Gupta madam highlighted on the importance of online and digital teaching. Also explained how this online teaching stood a best tool of teaching during this pandemic condition of covie-19. Further madam has given all the information regarding Swayam portal to all the participants. Dr. Milind Shirbhate, Shankarlal Khandelwal College Akola chair this technical session.



The Second technical session was on the online and digital teaching. In Second session Dr. Rupa Gupta madam highlighted on the importance of online and digital teaching. Also explained how this online teaching stood a best tool of teaching during this pandemic condition of covie-19. Further madam has given all the information regarding Swayam portal to all the participants. Dr. Milind Shirbhate, Shankarlal Khandelwal College Akola chair this technical session.



Agrawal, Organizing secretary of this workshop proposed the vote of thanks.



This technical session and valedictory function was conducted by DR. Harish Malpani and Dr. Poonam T.

The session was followed by the distribution of certificates to the participants.

Invitation Card:

SANTY GADGE ERABA AMBAVAZI UNIVERSITY, AMBAVAZI
The Bharu General Education Society's
Shri R. L. T. College of Science, Akola
(It is accredited with 'A' Grade by IUAC with CGPA 3.12)



Hon. Mr. Dr. Dilip W. Mahabadi
Hon. Vice-Chancellor
Sant Gadge Education Society's
Ambavazi



Hon. Mr. Adv. Manoj G. Mahabadi
Hon. Mr. G. E. Justice, Akola



One Day National Seminar
on
National Education Policy
-2020
Date - 09/11/2023
Time - 11.00am to 03.00pm



Dr. V. D. Sawary
Principal
G.S. 807759900



Dr. P. T. Agarkar
Organizing Secretary
G.S. 708790000

Organizing Committee



Prof. R. D. Chaudhari
Dr. A. G. Saigal



Dr. S. R. Kulkarni
Dr. A. A. Saigal

The NEP 2020 - A Concept

The Need for new education policy was felt in the country for a long time. There national education policies have been introduced in India till now. The emphasis of previous policies on education was mainly on access to education. The new education policy has been brought in keeping with view the current and future needs, which are lead to large scale transformative reforms in both the school and higher education sectors. To achieve full human potential, education is fundamental requirement for the development of a just and equitable society and to promote national development. The whole world is undergoing rapid changes in the knowledge landscape. In this context, the new educational policy will replace 34 year-old national educational policy framed in 1986.

The new educational policy 2020 proposes some changes, including the opening of Indian higher education to foreign universities, the introduction of four year multi-disciplinary under-graduate programs with several exit point. The objective of New Education Policy is to make India a global knowledge superpower. The policy also proposes that all universities and colleges are to be multi-disciplinary in nature.

This policy also emphasises on the quality and fundamental changes in our educational system.

Program Schedule

Registration	- 11.00am to 11.30am
Registration	- 11.30am to 12.00pm
Session 1	- 12.00pm to 01.30pm

Dr. Arjun Mhatre

Session 2 - 01.30pm to 02.30pm

Dr. Divyanshu Vyas
Principal
Sri. R. D. G. Waman College Akola
Panel Discussion
- 02.30pm to 03.00pm

About College

Shri R. L. T. College of Science, Akola established in Sant Gadge Education Society, Ambavazi is established under The Bharu General Education Society, Akola on 1 April 1979. The college is accredited by NMAC with 'A' grade, CGPA-3.12 (3-Credit). The college offers B.Sc., M.Sc., Ph.D. and 4 year computer IT/B and IT-BI (Bachelors) education. At present there are 14 departments in college i.e. Mathematics, Chemistry, Microbiology, Biochemistry, Bioinformatics, Computer Science, Electronics, Information Technology, Physics, Zoology, Languages, Physical Education and Library and 4 P.G. Departments i.e. Mathematics, Chemistry, Microbiology, Physics, Computer Science, Zoology, Botany and Biochemistry. Ph.D. Facilities Available in Physical Department (Physics, Microbiology, Chemistry, Zoology Botany and Mathematics), under various programmes like CCT, DCLT and ADCLT. Diploma course in Secretarial, Diploma course in Auditing. Our college is one of the premier institutions delivering quality education through distance educational system towards achieving recognition and honour at national and international level. We can proudly declare that it has indeed given birth to a new era that has not only exceeded demands of youngsters but has also moulded them into great personalities, who achieved across the globe. We cater for providing advanced academic, entrepreneurial, innovative techniques and creating some brand quality competent professionals through well structured honours scheme, for which we discharge our noble responsibilities towards the work of nation & hope, we keep expanding state and national level workloads, seminars and conferences.


Paper News Cutting





■ अध्यक्ष
श्री. जगदीश मो. गुप्ता
 (भाजी राज्यमंत्री तथा
 भाजी विधान परिषद सदस्य, महाराष्ट्र राज्य)
 ☎ : ०७२१ (ऑ.) २५२२३४१ (नि) २५७२५२६

■ प्राचार्य
डॉ. राजेश एस. जयपुरकर
 मो. : ९४२३१२६०६६


 सिपना शिक्षण प्रसारक मंडळ, अमरावती
 संचालित
कला, विज्ञान व वाणिज्य महाविद्यालय, चिखलदरा
 जि. अमरावती (महाराष्ट्र) ४४४ ८०७
 नॅक पुनर्अधिस्विकृत 'ब++' श्रेणी सीजीपीए २.७७ (२०१८-२०२३)
 ■ ई-मेल : ascc163@sgbau.ac.in ■ वेबसाईट : www.sipnaascc.ac.in
 ■ टेलि. (ऑ.) ०७२२०-२३०३०९ ■ (फॅक्स) ०७२२०-२३०४०९

जा.क्र. : कविवाचि/२०२१/३६६

दिनांक : २२/११/२०२१...

To,
 1) Dr. V.D. Nanoti
 Principal
 R.L. T. College
 Akola

2) Dr. R. F. Pagariya
 Principal,
 R.A. College,
 Washim

3) Cap. Prashant Kothe
 Principal
 Jijamata College,
 Buldhana


4) Dr. R.A. Mishra
 Principal
 Amolakchand College
 Yavatmal


Subject : Collaboration Offer
 Reference : Telephonic Conversation on dated 22/11/2021

Dear Sir,
 Its my great pleasure to share with you that Career Guidance Cell of our college is regularly conducting various student centric activities since 2003. Add on Course on Personality Development is one of them.
 This year we are planning to conduct this at university level.

Title of the program- Add on Course on Personality Development
Duration- 06.12.2021 to 11.12.2021
Time: Daily 05 Hours

We want to offer its benefit to larger number of students. So, we request you to collaborate with us for it. Please convey us your acceptance.
 Regards,

Yours

 Dr. R.S. Jaipurkar
 Principal (Ex- Pro VC, SGBAU, Amt)
 Arts, Science and Commerce College,
 Chikhaldara
 Mobile. No. 9423126066



NOTE-
 Dr. D.S.Hedaoo, Coordinator, Career Guidance Cell will coordinate this program.
 9423648858

PRINCIPAL
Art, Science & Commerce
College, Chikhaldara



**UNIVERSITY LEVEL ONLINE ADD ON COURSE ON
'PERSONALITY DEVELOPMENT'**

Duration: 06-11 Dec., 2021

Daily Time: 05 Hours

Jointly Organized By

Sipna Shikshan Prasarak Mandal, Amravati

Arts, Science and Commerce College, Chikhaldara

Career Guidance Cell

&

Shri Shivaji Education Society, Amravati.

Jijamata Mahavidyalaya, Buldana

&

Rajasthan Education Society's

R. A. Arts, Shri M. K. Commerce & Shri S. R. Rathi

Science Mahavidyalaya, Washim

&

Vidya Prasarak Mandal's

Amolakchand Mahavidyalaya, Yavatmal

&

The Berar General Education Society's, Akola

R.L.T College of Science, Akola

Career Guidance Cell, Arts, Science and Commerce College, Chikhaldara is jointly organizing Add On Course On 'Personality Development' in collaboration with Jijamata Mahavidyalaya, Buldana; R. A. Arts, Shri M. K. Commerce & Shri S. R. Rathi Science Mahavidyalaya, Washim; Amolakchand Mahavidyalaya, Yavatmal and R.L.T College of Science, Akola for all the students who are

studying in Sant Gadge Baba Amravati University, Amravati. Due to COVID-19 pandemic situation we are organizing it online. Online mode has given us the opportunity to invite well known resource persons in this sector. So, we have utilized this opportunity and invited total ten resource persons for this course. This course is going to be life improving experience for all the participants.

The main objectives of the course are:

1. To develop personality of students
2. To inculcate positive thinking in students
3. To develop life skills of students
4. To inculcate employability skills among students
5. To inculcate entrepreneurship skills among students

Following topics will be covered in this course:

1. Know Thyself
2. Motivation
3. Goal Setting
4. Presentation Skill
5. Team Building
6. Corporate Culture
7. Time Management
8. Adventure
9. Stress Management
10. Ethics, Integrity & Aptitude

Information About Colleges:

❖ Arts, Science and Commerce College, Chikhaldara

Sipna Shikshan Prasarak Mandal, Amravati is established with the specific goals and mission of overall development of the people in Melghat, a tribal, remote, hilly and back ward region in Amravati and Akola district of Maharashtra state. Melghat comprises of Chikhaldara and Dharni tahsil and part of Achalpur, Anjangaon Surji and Akot tahsil. Melghat is hilly terrain at the northern extreme of the Amravati district of Maharashtra. Melghat means 'meeting of the ghats', which describes the area as a large tract of unending hills and ravines scarred by jagged

cliffs and steep climbs. It is renowned for 'Melghat Tiger Project' and 'Gugamal National Park' worldwide. Presently, the total area of the reserve is around 1677km². The forest is tropical dry deciduous in nature, dominated by teak (Tectonagrandis). Chikhaldara is a Hill Station, famous tourist destination and a municipal council in Melghat. Chikhaldara is the sole hill station known as the 'Nandanvan of Vidarbha'. Chikhaldara is situated at an altitude of 1118 mtrs with Vairat point at 1188 mtrs. Also, it has the added dimension of being the only coffee-growing area in Maharashtra. The place has a rich variety of flora and fauna with the nature's beautiful architecture spread all over the region.

Arts, Science and Commerce College, Chikhadara, Distt.: Amravati came into existence in 1996 with an intention to impart higher education to the tribal at their very door steps and ensure their well being, growth and safety. The college is assessed and accredited by NAAC, Bengaluru with B++ grade (CGPA2.77) in 3rd NAAC cycle. The college offers degree courses like B. A., B. Sc., B. Com with traditional and advanced subjects and M. Sc. (Environmental Science). Whereas in UG science stream there are innovative subjects like Petrochemical Science, Food Science, Apiculture, Industrial Chemistry and Environmental Science. The college run recognized research centers for the subjects English, Physics, Botany, Mathematics, Chemistry, Environmental Science, Marathi, Hindi, Political Science and Sociology. Besides this, the college runs various add-on and certificate courses.

Career Guidance Cell established in 2003 is one of the active and student centric committee of the college, which has been continuously working for overall development of the students. Every year the cell organizes various activities and provides services like-

- General Knowledge Test
- Science Aptitude Test
- Essay Test
- Guest Lecture Series
- Add On Course On Personality Development
- Add On Course On Soft Skills Development
- Career Counseling is the regular activity of the cell.
- The cell also extends its expertise/services to other institutes.

❖ **Jijamata Mahavidyalaya, Buldana**

Established in 1956 by Late Dr. Panjabrao alias Bhausaheb Deshmukh, the First Minister for Agriculture, India, our college is one of the 265 educational institutes run by Shri Shivaji Education Society, Amravati. The college is affiliated to Sant Gadge Baba Amravati University, Amravati and imparts education in Science, Commerce and Humanities streams at UG and PG levels. It has been awarded College with Potential for Excellence award in 2010 by UGC. NAAC Bengaluru has reaccredited the college with B Grade (CGPA 2.88) in 2013.

✦ **We offer courses in:**

- ❖ **Under Graduate:** i) Arts (Humanities) ii) Commerce iii) Science
- ❖ **Post Graduate:** **M.A. :**
 - i) Economics ii) English iii) Marathi iv) Music**M.Sc.:**
 - i) Chemistry**M. Com.:**
 - i) English Medium ii) Marathi Medium

✦ **Available Facilities and Resources**

Research Centres for Ph. D.:

- i) Chemistry ii) Zoology iii) History
- iv) Marathi v) English vi) Commerce

Recognized Research Laboratories:

- i) Chemistry ii) Physics iii) Zoology iv) Botany

Sports Facilities:

- i) 400 Mtr Running Track ii) Handball
- iii) Athletics iv) Cricket

Support Facilities:

- i) Rich Central Library
- ii) National Cadet Corps
- iii) National Service Scheme

With the mission of providing quality education the College endeavors to inculcate social, national and holistic values among students. Aspirants for various competitive exams, research, sports, culture and entrepreneurship are encouraged and supported with necessary facilities, resources and expertise.

❖ **R. A. Arts, Shri M. K. Commerce & Shri S. R. Rathi Science Mahavidyalaya, Washim**

R. A. College was established in pre-independent era in 1944 by freedom fighters and later handed over to Rajasthan Education Society, Washim in 1945 which is now affiliated to Sant Gadge Baba Amravati University. The Institution holds pride in being one of the selected few colleges in Maharashtra to have accreditation from NAAC at the A Grade consecutively in 2004, 2011 and 2017. The institute is also having "College with Potential for Excellence" (CPE) status awarded by UGC. The Vision and Mission of the institute is correlated with the objectives of the society and reflects the commitment of the institute towards holistic development of the students and inculcating the social and human values in them through academic, co-curricular and social activities. The institute runs UG, PG and various skill-based courses along with research in all streams. The institution has an array of nine research (PhD) centres in various disciplines recognized by the parent university. The main motto of the institution is, "Education with discipline and pursuit of excellence and to build and sharpen the rural students for the various opportunities available in different career fields."

❖ **Amolakchand Mahavidyalaya, Yavatmal**

The college was established by the society in 1956. The college was started initially in the 'Mor Bhavan' of the town, with 40 students only, in the academic session 1956-57. The College was affiliated to Nagpur University, Nagpur. Now the college has well established building, Laboratories; Library, Play grounds for Boys & Girls etc. Spread over on 39 acres of land. The College is providing Education to students for HSC, Graduation in Arts, Commerce, Home Science & Science, Post graduations in Arts (Economics/ History/ Political Science/ English/ Marathi/ Hindi), Commerce and Science (Chemistry/ Mathematics/ Physics) Courses. The College is affiliated to Sant Gadge Baba Amravati University, Amravati, since 1983.

The foundation stone of the College was laid on 1 February 1958 at the hands of Shri Yashwantraoji Chavhan, then Chief Minister of Mumbai State. The college was blessed by Pandit Jawaharlal Nehru, the first Prime Minister of India and he inaugurated Science Faculty of the College on 18 April 1959. Today the college has acquired a prestigious position not only in Vidarbha region, but in the entire Maharashtra. The Golden Jubilee of the college was celebrated with the

auspicious blessings of His Excellency Dr. A.P.J. Abdul Kalam, Honorable President of India. His Excellency Shri Bhairosingji Shekhawat, Honorable Vice-President of India and Her Excellency Smt. Pratibha Patil, Honorable President of India, also visited the college.

Over a period of time, the college has expanded the areas of study with conscious attempts for Adding the employability to the courses. Several students of the college have acquired prominence in different fields of education. The management of the College is making every possible effort to face new challenges of ever-expanding world of Knowledge & enable the students to live a life with material advancement and Spiritual enrichment.

❖ **R.L.T College of Science, Akola**

Shri R.L.T. College of Science, Akola affiliated to SantGadge Baba Amravati University, Amravati was established under The Berar General Education Society, Akola on 1 April 1970 . The college is re-accredited by NAAC with 'A' grade, CGPA-3.12 (3rd Cycle). The college offers B.Sc., M.Sc., Ph.D. and. also comprises 11th and 12th standard education. At present there are 14 U.G. departments in college i.e. Biochemistry, Bioinformatics ,Botany, Chemistry, Computer Science, Electronics, Information Technology, Mathematics, Microbiology ,Physics, Zoology, Languages, Physical Education and Library and 8 P.G .Departments i.e. Mathematics, physics, Computer Science, Microbiology, Chemistry ,Zoology, Botany and Biochemistry. Ph.D Facilities Available in Physical Education Department, Microbiology, Chemistry, Zoology Botany and Mathematics.career oriented programmes like CCLT, DCLT and ADCLT, Diploma course in Sericulture, Diploma course in Astronomy. Our college is one of the premier institutions delivering excellent education through dedicated collaborated efforts towards achieving recognition and honour at national and international level. We proudly declare that it has indeed grown from a seedling into a tree that has not only sheltered thousands of youngsters but also has moulded them into great personalities, scattered across the globe. We strive for providing advanced academic environment,innovative techniques and creating value based globally competitive professionals through well directed honest efforts. In order to discharge our noble responsibilities towards the work of science at large, we keep organizing state, national and International level workshops, seminars and conferences.



COURSE SCHEDULE

DAY-01			
Date	Time	Topic/Session	Resource Person/Speaker
06.12.2021	12.30 pm to 1.30 pm	Inauguration Function	Note: Details of the inauguration function will be informed separately.
	1.30 pm to 2.30 pm	Know Thyself	Dr. Pankaja S. Ingle

RESOURCE PERSON



Dr. Pankaja S. Ingle

MA, B. Ed., NET, Ph.D., D.LITT
Assistant Professor, Arts
Commerce and Science College
Amravati (MS)

Expertise & Achievement:

- ✓ Certified Soft Skills Trainer at Sant Gadge Baba Amravati University, Amravati
- ✓ Ex Member of prestigious Child Welfare Committee, appointed by Govt of Maharashtra
- ✓ Director of Sadashanti Balgruh Orphanage Amravati
- ✓ Reiki Practitioner and conducts meditational sessions
- ✓ Won Dkirk International Award for Outstanding Woman & Gmarf International Award for Woman Educationalist Excellence

DAY-02			
Date	Time	Topic	Resource Person
07.12.2021	12.30 pm to 1.30 pm	Motivation	Prof. Anupama M. Laddha
	1.30 pm to 2.30 pm	Goal Setting	Dr. Pavan G. Deshmukh

RESOURCE PERSONS



Prof. Anupama Madhur Laddha
C.A., M.Com., LLB,
LLM (University of Durham, UK),
Ph.D.(P)

Expertise & Achievement:

- ✓ Certified Soft Skills Trainer at Sant Gadge Baba Amravati University, Amravati
- ✓ Certified Soft Skills Trainer at ICAI
- ✓ Entrepreneur
- ✓ Artist (Dance & Theater)
- ✓ Trainer



Dr. Pavan G. Deshmukh
B. Tech., MBA., M. Tech., Ph. D.,
PGDEC, PGDCS.,
Dean, T & P Dept., Prof. Ram Meghe
College of Engg. & Mgt. Badnera (MS)

Expertise & Achievement:

- ✓ Certified Soft Skills Trainer at Sant Gadge Baba Amravati University, Amravati
- ✓ Received Best Employee awards in corporate like Reliance & ICICI
- ✓ Served the Engineering projects at international level like in Malaysia, Canada, Bhutan etc
- ✓ Worked as a corporate trainer at ICICI Lombard, Pune

DAY-03			
Date	Time	Topic	Resource Person
08.12.2021	12.30 pm to 1.30pm	Presentation Skill	Dr. Avinash Moharil
	1.30 pm to 2.30 pm	Team Building	Dr. Pallavi N. Mandaogade

RESOURCE PERSONS



Dr. Avinash Moharil

M.A(Eng), SET, Ph.D., PG Diploma in Psychotherapy and Counselling, M.S. in Psychotherapy and Counselling.
Principal, Mahila Mahavidyalaya, Amravati

Expertise & Achievement:

- ✓ Trainer, Counselor, Orator & Presenter
- ✓ Former Dean, Faculty of Humanities, SGBAU, Amravati
- ✓ Ph.D. Guide in English
- ✓ Column Writer, Author & Digital Content Creator
- ✓ Delivered many lectures throughout India and abroad.



Dr. Pallavi N. Mandaogade

MBA, Ph.D., M.Com,
MA (Counseling & Psychotherapy)
Associate Professor & Head, Dept. of Management Studies, Vidyabharati Mahavidyalaya, Amravati.

Expertise & Achievement:

- ✓ Certified Soft Skills Trainer at Sant Gadge Baba Amravati University, Amravati
- ✓ Author & Researcher
- ✓ Executive member of Amravati Management Association and Chamber of Commerce
- ✓ President of an NGO- "Garima Foundation"
- ✓ Life Coach & Trainer

DAY-04			
Date	Time	Topic	Resource Person
09.12.2021	12.30 pm to 1.30 pm	Corporate Culture	Mr. Pritish Nandanwar
	1.30 pm to 2.30 pm	Time Management	Nirmala S. Jain

RESOURCE PERSONS



Mr. Pritish Nandanwar
 BTec(IT), MTec(IT) from Indian Institute of Information Technology & Management (IIITM, Gwalior). Presently Operating in the Corporate Sector from Bengaluru.
Expertise & Achievement:

- ✓ Technology Leader and Senior Director with 16+ years of experience
- ✓ Experienced at building engineering teams and delivering products and services in various industry verticals and horizontals
- ✓ Served corporate clients across geographies
- ✓ Led employee development programs through training and mentorship
- ✓ Bagged multiple employee awards and team awards for performance, delivery excellence, technology solutions





Nirmala S. Jain
 M.Sc. (Geology)
 Scientist 'SE', Geosciences Group, Remote Sensing Applications Area, National Remote Sensing Centre, Indian Space Research Organization (ISRO), Department of Space, Govt. of India, Hyderabad
Expertise & Achievement:
 Expert in research activities are-

- ✓ Seasonal Landslide Inventory Mapping (SLIM) for all states of India using High-resolution satellite data such as, Resourcesat, Cartosat, WorldView, Pleiades and GeoEye to map landslides.
- ✓ Event based natural hazards (earthquakes, landslides, volcanoes) using Indian and foreign satellite data.
- ✓ Landslide Early Warning System
- ✓ Solar System: Geology of planet Mars (Mineralogy and geomorphology)

Note: She is one of the prominent alumni of our college (Sipna-ASCC, Chikhaldara)


DAY-05			
Date	Time	Topic	Resource Person
10.12.2021	12.30 pm to 1.30 pm	Adventure	Mr. Gajanan P. Hedao
	1.30 pm to 2.30 pm	Stress Management	Prof. Pushpa Zamarkar

RESOURCE PERSONS

	<p>Mr. Gajanan P. Hedao BE (Electrical) Deputy General Manager, Hindustan Petroleum Corporation Ltd., Mumbai</p> <p>Expertise & Achievement:</p> <ul style="list-style-type: none"> ✓ Worked at various dept. and locations at various capacities in HPCL. ✓ Worked in state of Bihar for 8 years for setting integrated Sugar, Ethanol & Cogen plant as a Proj. Site incharge & COO. ✓ Interest in Sports. During school days 3 times Mallakhamb District champion. ✓ Now doing Marathons/ Wakathons/trek. Completed 100K-3, 42K-2, 21K- 30,10K-10, Trek- 1
	<p>Ms. Pushpa Zamarkar M.Sc. (Geology), SET, Ph.D.* HOD & Asst. Professor, Department of Geology, Shivaji Science College, Nagpur</p> <p>Expertise & Achievement:</p> <ul style="list-style-type: none"> ✓ Expertise in Petrography ✓ Researcher ✓ Trainer <p>Note: She is one of the prominent alumni and The Best Student Award winner of our college (Sipna-ASCC, Chikhaldara)</p>

DAY-06			
Date	Time	Topic	Resource Person/Speaker
11.12.2021	12.30 pm to 1.30 pm	Ethics, Integrity and Aptitude	Dr. Dinesh D. Khedkar
	1.30 pm to 2.30 pm	Valedictory function	Note: Details of the valedictory function will be informed separately.

RESOURCE PERSON

	<p>Dr. Dinesh D. Khedkar M.Sc.(Bot), Ph.D. Professor, Shri. Shivaji Science College, Amravati (MS) Expertise & Achievement:</p> <ul style="list-style-type: none"> ✓ Author, Researcher, Mentor ✓ Research Guide for M.Phil. & Ph.D. ✓ Digital Content Creator ✓ Trainer, Speaker, Presenter ✓ AWARDS: <ul style="list-style-type: none"> Best Teacher (2019), Sant Gadgebaba Smruti Seva Purskar (2019) ✓ ABROAD PRESENTATION: <ul style="list-style-type: none"> Greece, Turkey, Sweden, Denmark, France, Italy ✓ POSITIONS HELD: <ol style="list-style-type: none"> 1. Secretary (India), Asian Association for Biology Education 2. President, Amravati Garden Club, Amravati 3. Member, BoS in Botany, SGB Amravati University, Amravati 4. Member, Think Tank, Shri Shivaji Education Society, Amravati
--	---

PATRONS



Dr. R.S. Jaipurkar
Principal (Ex-Pro VC, SGBAU, Amravati)
Arts, Science and Commerce College, Chikhaldara



Dr. R.A. Mishra
Principal, Amolakchand Mahavidyalaya
Yavatmal



Capt. Dr. P. P. Kothe
Principal, Jijamata Mahavidyalaya
Buldana



Dr. V.D. Nanoty
Principal, Shri. RLT College of Science,
Akola



Dr. R.F. Pagariya
Principal, R.A. Arts, Shri. M.K. Commerce &
Shri. S.R. Rathi Science Mahavidyalaya, Washim

Organizing Committee



Dr. Dnyanendra S. Hedaoo
Coordinator
9423648858



Dr. Vivek H. Meshram
Coordinator-District Amravati
9326087493



Dr. Prashant Muskawar
Coordinator-District Yavatmal
9404280616



Prof. Subodh N. Chinhole
Coordinator-District Buldhana
9421394023



Dr. Poonam.T. Agrawal
Coordinator-District Akola
7588793195



Dr. Shashi Pawar
Coordinator-District Washim
9922425903

Technical Advisory Committee



Prof. B. S.
Deshmukh

Dr. S.G.
Mahajan

Prof. R.P.
Rahate

Prof. A.R.
Kanhu

Prof. S.L.
Kottewar

Prof. V.M.
More

Shri. A.G
Dhage

REGISTRATION, ASSESMENTS & AWARDS

The students should follow following instructions for successful participation and completion of this course.

1. First register yourself using given registration link
2. Join the WhatsApp or Telegram group
3. Daily attend online talks using given ZOOM link or YouTube link
4. Submit all assignments within time
5. Submit all feedback forms within time
6. Download your certificate

REGISTRATION LINK:

ZOOM LINK OR YOUTUBE LINK FOR ONLINE TALKS:



Sipna Shikshan Prasarak Mandal, Amravati
Arts, Science and Commerce College, Chikhaldara
Career Guidance Cell
(2021-2022)

ONLINE ADD ON COURSE ON PERSONALITY DEVELOPMENT

Duration: 06-11 Dec, 2021

Total Time: 30 Hours

Note: Each unit is of 03 hours duration out of which 01 hour is for online lecture and 02 hours are for assignment.

COURSE CONTENT

UNIT I: KNOW THYSELF	03 Hrs
✓ Importance of attitude, self-esteem, courage, confidence, reading and reflection	
✓ SWOT analysis	
✓ Dreams to reality stories	
✓ Purpose of life	
✓ Case study	
UNIT II: MOTIVATION	03 Hrs
✓ Importance of motivation	
✓ Internal and external motivation	
✓ Self talk	
✓ Growth mindset	
✓ Case study	
UNIT III: GOAL SETTING	03 Hrs
✓ Dreams and goals	
✓ Setting goals	
✓ Types of goals (short term, long term, life time)	
✓ Case study	
UNIT IV: PRESENTATION SKILL	03 Hrs
✓ Correctness of language	
✓ Clarity of words, thoughts and ideas	
✓ Gestures and manners	
✓ Speed, audibility, voice modulation	
✓ Eye contact, body posture and facial expression	
✓ Case study	
UNIT V: TEAM BUILDING	03 Hrs
✓ Know your team members	
✓ Purpose of team	
✓ Team versus individual	
✓ Coordination in team	
✓ Case study	
UNIT VI: CORPORATE CULTURE	03 Hrs
✓ Learn, relearn unlearn	
✓ Think global and act local	
✓ Super hard work	
✓ Think big. Lead. Never follow.	
✓ Case study	

UNIT VII: TIME MANAGEMENT	03 Hrs
<ul style="list-style-type: none"> ✓ Time as a resource ✓ Identification of time wasting ✓ Prioritizing work to be done ✓ To do list ✓ Check list ✓ Case study 	
UNIT VIII: ADVENTURE	03 Hrs
<ul style="list-style-type: none"> ✓ Adventure an energy booster ✓ Will to do it ✓ Adventure for peak performance ✓ Mountaineering, motor biking , cycling, camping, marathon, trekking etc ✓ Case study 	
UNIT IX: STRESS MANAGEMENT	03 Hrs
<ul style="list-style-type: none"> ✓ Causes of stress ✓ Impact of stress ✓ How to manage stress? ✓ Meditation and its application ✓ Case study 	
UNIT X: ETHICS, INTEGRITY & APTITUDE	03 Hrs
<ul style="list-style-type: none"> ✓ Ethics and integrity in public life (various dimensions: social, economic, environment, science etc) ✓ Attitude and aptitude in public life ✓ Emotional intelligence ✓ Case study 	

REFERENCES:

1. Add On Course On Personality Development (2017-2018), Career Guidance Cell, Arts, Science and Commerce College, Chikhaldara
2. Add On Course On Soft Skills Development (2018-2019), Career Guidance Cell, Arts, Science and Commerce College, Chikhaldara
3. Add On Course On Soft Skills Development (2020-21), Career Guidance Cell, Arts, Science and Commerce College, Chikhaldara
4. D.S. Hedao, M.P.Wadekar, *Impact of Add on Course on Personality Development: A Case Study*, Scholars Impact, (2018), 104-108.
5. W. Isaacson, *Steve Jobs*, 1st Edition, Little Brown Publication, London, 2011.
- 6.R. M. Lala, *Beyond The Last Blue Mountain:A life of J.R.D. Tata*, 2nd Edition, Portfolio-Penguin Book Publication, New Delhi, 1993.
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- 8.A. Vance, *Elon Musk*, 1st Edition, Virgin Books Publication, London, 2015.
9. N.N.Ojha, *The Lexicon*, 6th Edition, Chronicle Books Publication, New Delhi, 2020.
- 10.D. Goleman, *Emotional Intelligence*, Bloomsbury Publications, London, 2004.

CRITERION I: CURRICULAR ASPECTS

UNIVERSITY LEVEL ONLINE ADD-ON COURSE ON PERSONALITY DEVELOPMENT

LIST OF PARTICIPANTS

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UNIVERSITY LEVEL ONLINE ADD-ON COURSE ON PERSONALITY DEVELOPMENT

LIST OF PARTICIPANTS

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CRITERION I: CURRICULAR ASPECTS

UNIVERSITY LEVEL ONLINE ADD-ON COURSE ON PERSONALITY DEVELOPMENT

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UNIVERSITY LEVEL ONLINE ADD-ON COURSE ON PERSONALITY DEVELOPMENT

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Praveen

**Report
Of
Seminar on "Job Opportunities in Industry"
Organized by the Crystal Club of Department of Chemistry
In Collaboration with
Career Counselling Cell of Shri R.L.T. College of Science, Akola
&
Microns Cell of Department of Microbiology
Dated On
Monday, 27th December 2021
Speaker: Shri Prasad Pangarkar
(Assistant Vice-President Reliance Industry Mumbai)**

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

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

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

He has represented at various seminars and conferences and has also contributed for a chapter on reactor design in the book 'Design of Multiphase Reactors' by Wiley Publications. He is the

recipient of the 'Outstanding Young Chemical Engineer' award which was bestowed by the Indian Institute of Chemical Engineers. He has also received the National award i.e. the 'NOCIL award for excellence in design or development of process, plant & equipment' during the annual chemical engineering congress – CHEMCON-2011. He has a patent in his name on the same.

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

Dr. V.D. Nanoty sir was the President of this Programme. DR. Poonam Agrawal, Head Department of the Chemistry was the organizing secretary of the functions. The programme was graced by the presence of Dr. P.P.Deohate, Associate Professor, Department of Chemistry, Dr. Harish Malpani, HOD department of Microbiology and Dr. Aashish Sarap, Assistant Professor Department of chemistry. The Programme was conducted by Dr. Kavita Heda.

The Programme begins with the floral welcome of the guest.





Dr. V.D.Nanoty sir in his welcome speech explain the importance of such types of seminar and motivated the students to face various competitive examination.



DR. Poonam Agrawal in her introductory speech explain the motto behind such programme and also explain the various activity under taken by crystal club for the students to face them the challenges of this competitive world.



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



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



The Programme ends with the vote of thanks by Miss Aarti Kadu, students of M.Sc. First year Chemistry.

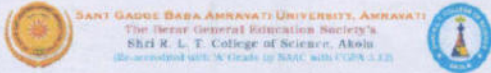


Sd/-
Dr. A. L. Babar

Aarti Kadu

Aarti Kadu

**Report
On
Four Days Workshop
Soft Skill Development
5th - 8th January-2022
Organized By
Shri R.L.T.College of Science, Akola
Sponsored by
Student Development Cell, Sant Gadge Baba Amravati University, Amravati.**




SANT GADGE BABA AMRAVATI UNIVERSITY, AMRAVATI
The Bharat General Education Society's
Shri R. L. T. College of Science, Akola
(Re-accredited with 'A' Grade by NAAC with UGR-3.1.2)

SOFT SKILL DEVELOPMENT WORKSHOP
(Under Student Development Scheme)

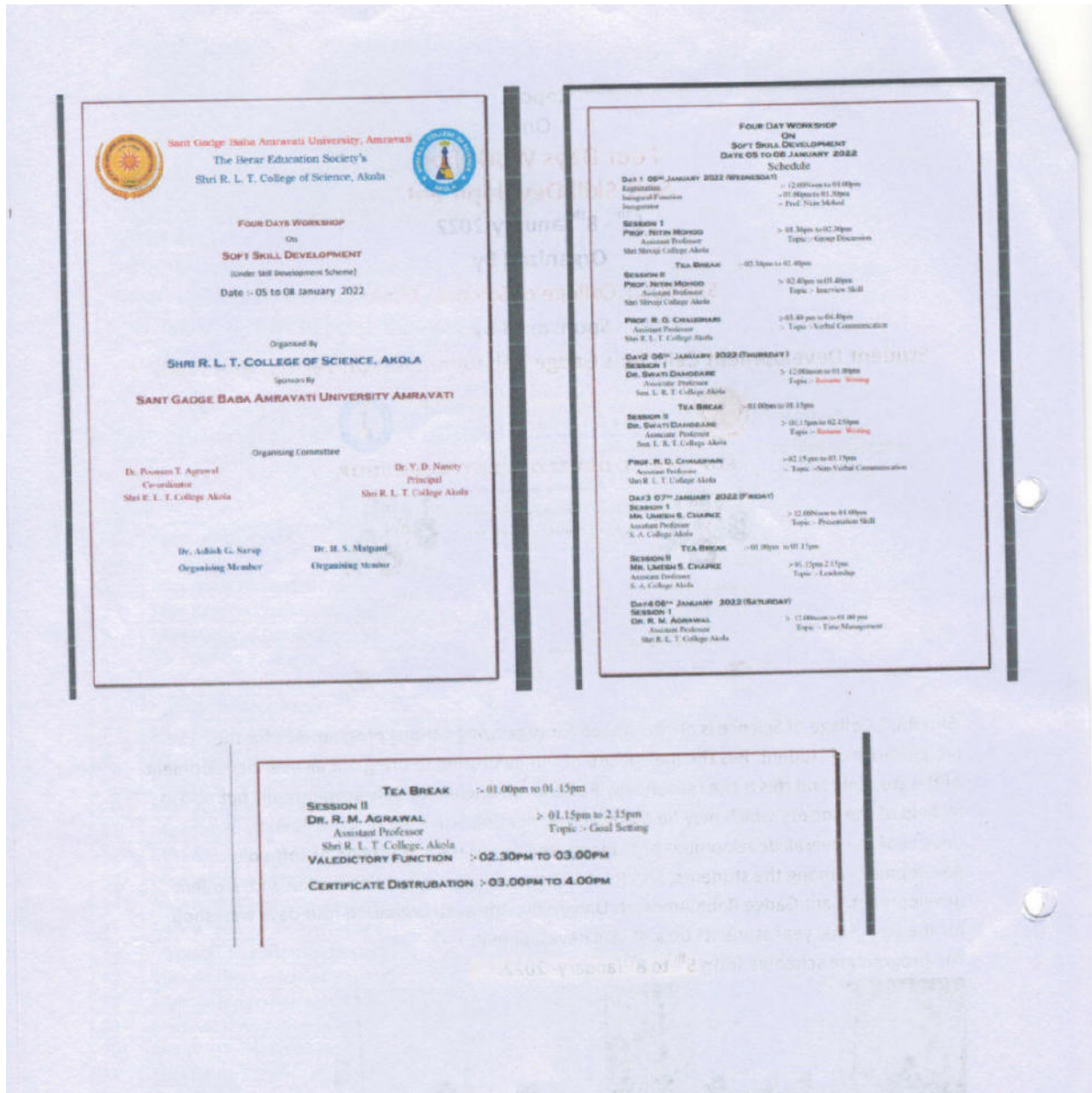
Date :- 05 to 08 January 2022
Venue :- Digital Classroom (D1)

Inaugurator & Resource Person Prof. Shri. Mahad Tripathi A. D. B. & V. Amravati	In Presence of Dr. V. D. Nanoty Principal Shri R. L. T. College of Science Akola	Co-ordinator Dr. P. T. Agasthi Head, Department of Chemistry Shri R. L. T. College of Science Akola
Student Development Officer Prof. R. D. Chaudhary Head, Student Development Shri R. L. T. College, Akola	Organizing Member Dr. A. L. Nangde Assistant Professor Shri R. L. T. College, Akola	Organizing Member Dr. H. H. Mahapatra Assistant Professor Shri R. L. T. College, Akola

Shri R.L.T.College of Science is always ahead for organizing various programmes for the beneficiaries of student. It is the main Moto of our institution to bring out all over development of the students and this is the reason why RLTIons are ahead not only academically but also in all field of the society which may be Medical, Engineering Scientists or even Politics. In view of the overall development of students and as per the today need of soft skill development among the students, Shri R.L.T.College of Science in collaboration with student development. Sant Gadge Baba Amravati University, Amravati organized four days workshop for the B.Sc. Final year students on soft skill development. The programme schedule form 5th to 8th January- 2022.



The programme begins on 5th October with registration of student from 11.00 a.m. to 12.00 noon then there was inauguration of the workshop. Dr.V.D. Nanoty, Principal of our College



was the Inaugurator of workshop and Dr. Nitin Mohod sir, Associate Professor Shri Shivaji College, Akola was the Resource person for the first day.

Dr. Rajesh Chandrawanshi, Physical Director and student development officer in his introductory speech motivated and inspire the students for such workshop.

Dr. Poonam T. Agrawal Coordinator of workshop in her speech thanks to Vice Chancellor, Amravati University and Dr. Satange sir, Student development Cell, S.G.B. Amravati University, Amravati for giving opportunity to our college for this organization.

Dr. V.D. Nanoty Sir guided the students about the need of workshop and giving some examples on time management.



In First Session Dr. Nitin Mohod sir delivered his speech on Motivation Group discussion and personality development.



First day session ends with the vote of thanks by Dr. Harish Malpani.

Second day there was a lecture of Dr. Swati Damodare, Associate Professor L.R.T. College Akola on-Non-verbal communication and Motivation. Prof. Ram Chavahan, Head Dept. of Electronics was the chief guest for this activity. Dr. Rajesh Chandrawanshi, Physical Director of our college as well as Student Development Officer of our College Cell proposed the vote of thanks.



Third day there was a two sessions of Dr. Chapke sir, Asst. Professor L.R.T. College Akola on-Resume writing. Dr. Harish Malpani, Asst. Professor Dept, of Microbiology proposed the vote of thanks.



On fourth day there was first session of DR. R.D. Choudhary, Shri R.L.T. College of Science, Akola and second session of Dr. Rohit Agrawal, Shri R.L.T. College of Science, Akola.

The workshop ends with the valedictory function, Dr. V.D. Nanoty sir was the chairperson and DR. Aashish Sarp Conducted the Programme. DR. R.D. Chandrawanshi, DR. R.D. Choudhary, Dr. Harish Malpani and all the teaching and non-teaching staff members of the college worked hard for the success of the workshop. Total 57 students registered for the workshop.

[Signature]
DR. Poonam T. Agrawal

Coordinator, Soft skill development workshop
Shri R.L.T. College of Science, Akola

List of the Students

Sr. No.	Name of students
1	Miss Achal Devendra More
2	Miss Renuka Chandrashekhar Gole
3	Miss Vaishnvi Sitaram Jadhao
4	Miss Soniya P. Jangid
5	Miss Radhika Rajote
6	Miss Achal Arun More
7	Miss Roshani Santosh Tiwari
8	Miss Sunidhi Navinkumar Chitlange
9	Miss Aditi Sandanand Raut
10	Miss Vaishnavi Dashrath Waghmare
11	Miss Sakshi Dilip Nakhale
12	Miss Anjali Suresh Ambalkar
13	Miss Vaishnavi Pradip Kolhe
14	Miss Rutuja Ravindra Jamodkar
15	Miss Vaishanvi Sanjay Tekade
16	Miss Shrutika Gajanan Deshpande
17	Miss Apoorva Harshad Damodar
18	Miss Vaishnavi Ramesh Datir
19	Miss Achal Anil Tayade
20	Miss Vaishnavi Rameshwar Tayade
21	Miss Nikita Suresh Tayade
22	Miss Nikita M. Tayade
23	Miss Prachi Kisan Chavhan
24	Miss Vaishnavi Ravindra Damdhar
25	Miss Poonam Ajaysingh Bals
26	Miss Divya Babanrao Virulkar
27	Miss Prajakta Subhash Dhurde
28	Miss Vaihnavi Shrikrushna Shelkar
29	Miss Vaidehi Sudhir Kulkarni
30	Miss Aishwrya Girish Pathak
31	Miss Nidhi Ajay Dixit
32	Miss Renuka Haribhau Borde
33	Miss Siddhi Snjay Chaudhari
34	Miss Gayatri Anil Tayade
35	Miss Mayuri Ranjit Deshmukh
36	Miss Sanskruti Vinodrao Ganoje
37	Miss Sakshi Sanjay Girhe
38	Miss Vaishnavi Ganesh Girhe
39	Miss Arpita Subhash Pophale
40	Miss Sakshi Santosh Katole
41	Mr Aniket Asjok Kharde
42	Mr Dipesh Gopal Giri
43	Miss Ankita Digambar Sonone
44	Miss Aparna Ganesh Rakhonde
45	Miss Diksha Pramod Londe
46	Miss Radhika Gopal Malokar
47	Miss Pratiksha Dnyaneshwar Chhillwant
48	Miss Sakshi Ananta Tale
49	Miss Nikita Rajesh Hage
50	Miss Vaishnavi Shrikrishna Kadu
51	Miss Kshiteeja Santosh Nakat
52	Miss Gauri Sanjay Wakode
53	Mr Agohit Suresh Ambuskar
54	Mr Siddharth Sahebraw Ingle
55	Mr Prashant P. Kale
56	Mr Yash S. Tayale
57	Mr Mandar Sunil Kalley

[Signature]

Dr. R. L. Babaraoankar

[Signature]

The Berar General Education Society's

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

National Service Scheme (NSS)

In association with

Parent Teacher Association & IQAC

organizes

Virtual Workshop & Interaction Program

on

TOPIC: "Nutritional Empowerment During Covid Pandemic"

For students & Parents

On

National Youth Day

on Wednesday, 12-01-2022 at 3:00 pm

By

Dr. Sonal Kame

Assistant Professor

Smt. R.D.G. Women's College, Akola

Organising Committee

Co-ordinators	Co-coordinator	Members
Dr. Rashmi P. Joshi	Dr. A.S. Sawarkar	Mr. S. Jaiswal
Dr. Samadhan L. Munde		Miss S. N. Gawande
	Dr. R.L. Rahatgaonkar	Dr. V. D. Nanoty

IQAC coordinator

Principal

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

The Berar General Education Society's
Shri R.L.T. College of Science, Akola
National Service Scheme (NSS)
Parent Teacher Association & IQAC
organizes

Virtual Workshop & Interaction Program

Link for registration for the the Lecture:

↓
<https://forms.gle/9VQ9FQUCxf39VWUv7>

Google Meet Link To Join

<http://meet.google.com/syb-ismn-bpy>

You Tube link for attending the programme

<https://youtu.be/ja4F3hRxM48>

Note:

- Participants should register through the above given link
- All the students are informed to register their parent or Guardian for the event with another Mail id.
- There will be the Interactive Session in last 15 min after the lecture

For further Details

Contact Coordinators of the Programme

Dr. Rashmi Joshi

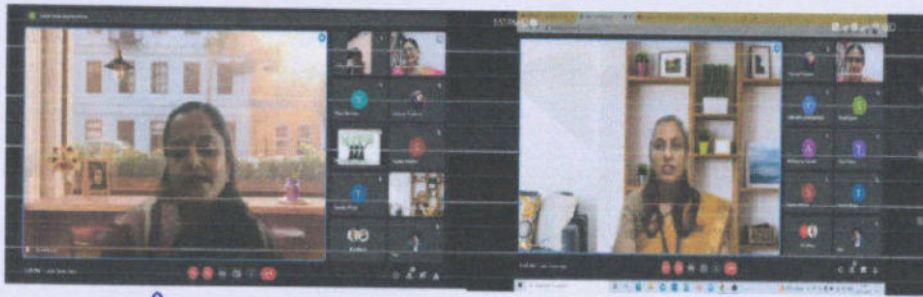
Dr Samadhan Munde

“Nutritional Empowerment During Covid Pandemic” on National Youth Day

Date: 12/01/2022:

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

Web Link for the workshop: <https://www.rltsc.edu.in/2022/01/12/national-youth-day/>



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Coordinator

Dr. Rashmi Joshi Sawalkar

[Handwritten signature]

Dr. R. L. Rahatgaonkar
IQAC Co-ordinator
Shri R.L.T. College of Science,
Akola

[Handwritten signature]

Principal

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

Department of Chemistry

Workshop on Hands On training on Perfume making

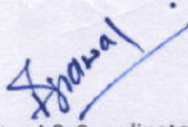
28/02/ 2022.

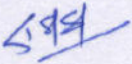
Crystal Club of the department of chemistry has organized hand on training programme on perfume making and different herbal product making for the post graduate students of Chemistry department on occasion of Science day on 28th February 2022.

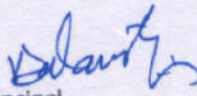
Objective behind this workshop is developed skill among the students and make them aware about the small scale industries and developed interest about the self employment and small entrepreneurship.

The programme was started with the inauguration of workshop at the hands of the Respected Principal Dr. V.D. Nanoty sir. Dr. Poonam Agrawal, Head department of chemistry and organizing secretary of this workshop gave the introductory speech. During this workshop hands on training was given to the students for the preparation of various herbal product like soap, perfume, airfreshner, skin glowing cream, mosquito repellent and floor cleaner etc.

Total 40 students of P.G. Chemistry get benefited by this workshop. Dr. Aashish sarap and Dr. Kavita Heda took special efforts for the success of this workshop.


Head & Coordinator
Dr. P.T. Agrawal


Dr. R. L. Rahatgaonkar
IQAC Co-ordinator
Shri R.L.T. College of Science,


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

ONE DAY SKILL DEVELOPMENT WORKSHOP ON “MAKING HERBAL PRODUCTS”

Date: 25/03/2022

One day workshop on 25/03/22 “**Making Herbal Products**” organized to train the women from adopted village **Aapoti (khurd)**. Women cell of Shri RLT college of Science, Akola organized the skill development training program to Empower the women. Hand on training was given to some of the ladies from village. The guest speaker was Dr. Poonam Agrawal, Associate professor, Head Dept of Chemistry. The workshop was presided by Dr. A. S. Sawarkar, Department of Zoology, Dr. Sujata Tadam, Chairman of Women cell, Dr. Kavita Heda, Dr. Anjali Thakrey, Prof. Vaishali Badgujar, Smt. Jyoti Gite members of Women cell were present. Dr. Ashish Sarap, Crystal Club member had given demonstration, How to make Herbal products. NSS program officer Dr. Rashmi Joshi Sawalkar, Samadhan Munde, Co officers Mr Shailesh Jaiswal, Miss Sonali Gawande took efforts to make the event successful.

Web Link for the workshop: <https://www.rltsc.edu.in/2022/04/04/one-day-workshop-on-making-herbal-products/>

The Bharat General Education Society's
Shri RLT College of Science, Akola
 NATIONAL SERVICE SCHEME
 in Collaboration with
 Crystal Club, Department of Chemistry and Women Cell
 Organizes
One Day Skill Development Workshop
"HERBAL PRODUCTS"
 Perfumes, Air Fresheners, Mosquito Repellent, Floral Disinfectant,
 Skin Glowing Cream and Pain Relief Oil etc.
 Venue:
 Mahila Mahal at N.S.S. Special Camp 2021-22 at Aapoti Khurd
 at 9:00 AM
 Resource Person
Dr. Poonam T. Agrawal
 Associate Professor & Head, Department of Chemistry
 SHRI RLT COLLEGE OF SCIENCE, AKOLA
 Dr. Rashmi Joshi Sawalkar
 NSS Program Officer
 Miss. Sonali Gawande
 NSS Co-Program Officer
 Dr. Sujata Tadam, Chairman, Women Cell
 Dr. Kavita Heda Member, Women Cell
 Dr. Anjali Sangole, Member, Women Cell
 Smt. Jyoti Geete, Member, Women Cell
 Mr. Kishor Y. Patil, Member, Women Cell
 Dr. Ashish Sarap
 Crystal Club Member
 Smt. Vaishali Badgujar
 Assistant Prof. & Head Dept. of Botany
 Dr. Archana S. Sawarkar
 Assistant Prof. & Head Dept. of Zoology



Rashmi Joshi
Coordinator

Dr. Rashmi Joshi Sawalkar
 Assistant Professor & NSS P.O.,
 Shri R.L.T. College of Science, Akola

Dr. A. S. Sawarkar
Principal

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

Department of Chemistry

Organization of State Level Conference of Innovative Minds:

World Creativity and Innovation Day 21st April -2022

Department of chemistry is always ahead for conducting various innovative activities. In order to honour the spirit of young minds in collaboration with education office, Akola the department of chemistry organizes **state level conference on innovate minds** on the eve of World creativity and Innovation day on **21th April 2022**.

Students from various school and colleges participated in this conference. Students who were awarded with inspire award delivered oral presentation of their innovative ideas. Total 33 oral and many projects are demonstrated by the students. Hon'ble District Collector, Respected Neema Arora madam was the inaugurator of this function. Hon'ble Adv. Motising Mohta sir, the president of the B.G.E. Society was the president of the function. The programme was graced by the presence of Hon'ble Dr. Suchita Patekar madam, Education officer of Akola district, Hon'ble Secretary Pavan Maheshwari sir honorary secretary, The B.G.E. Society and Respected Principal DR. V.D. Nanoty sir. More than **200 students** from various school and colleges participated in this conference.

Online Innovative magazine Publication on the eve of World Creativity and Innovation Day 21st April -2022:

P.G. Department of Chemistry had published online magazine on world Innovation day on the eve of World creativity and Innovation day on 21th April 2022. at the hands of Hon'ble District Collector of Akola district. Thirty Six 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 21th April 2022.

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.





P. T. Agrawal
Head & Coordinator
Dr. P.T. Agrawal

R. L. Rahatgaonkar
Dr. R. L. Rahatgaonkar
IQAC Co-ordinator
Shri R.L.T. College of Science,
Akola

R. L. Rahatgaonkar
Principal
Shri RLT College of Science, Akola

One week Certificate Course on

“Skill Development for Pharmaceutical Industry”

Jointly organized by Microbiology departments of Shri. R.L.T College of Science, Akola and Shankarlal Khandelwal College, Akola and Global Institute for Self-Motivation

Date: 9/05/22-15/05/22

The Indian pharmaceutical industry is the world's 3rd largest by volume and 14th largest in terms of value. Major Segments of Pharmaceutical Industry are Generic drugs, OTC Medicines and API/Bulk Drugs, Vaccines, Contract Research & Manufacturing, Biosimilars & Biologics. India has the second-highest number of US FDA approved plants outside the US and is a global leader in the supply of DPT, BCG, and Measles vaccines. India accounts for 60% of global vaccine production, contributing 40-70% of the WHO demand for Diphtheria, Tetanus and Pertussis and Bacillus Calmette–Guérin vaccines, and 90% of the WHO demand for the measles vaccine. India is the largest provider of generic drugs globally. Access to affordable HIV treatment from India is one of the greatest success stories in medicine. India is one of the biggest suppliers of low-cost vaccines in the world. Because of the low price and high quality, Indian medicines are preferred worldwide, thereby rightly making the country the “Pharmacy of the World”. Pharma sector currently contributes to around 1.72% of the country's GDP. Owing to India being a major component of the country's foreign trade, it brings with attractive avenues and opportunities for the youth.

With this increase in the global pharmaceutical industry opportunities in India, it is important to inform and prepare the rural youth about the job opportunities in the same. The Department of Microbiology of Shri. R.L.T College of Science, Akola and Shankarlal Khandelwal College, Akola and the Global Institute for Self-Motivation undertook this task and jointly organized One week Certificate Course on “Skill Development for Pharmaceutical Industry” for the students in Vidharbha region. This was a novel program initiated by the Berar General Education Society and Shikshan Prasarak Mandal, Akola. The mode of the workshop was both offline and online for the comfort of the participants.

The inauguration ceremony of the workshop was conducted in the Auditorium of Shri. R.L.T College of Science, Akola. Adv. M.G Mohta (President, The B.G.E. Society, Akola) was the inaugurator of the workshop. The dais was graced by Mr. P.N Maheshwari (Hon. Secretary, The B.G.E Society, Akola), Prof. R.D. Chaware (Vice-president, Shikshan Prasarak Mandal, Akola), Shri. A.Y. Kulkarni (Vice-president and Treasurer, Shikshan Prasarak Mandal, Akola), Dr. V.D. Nanoty (Principal, Shri. R.L.T College of Science, Akola), Dr. J.M. Saboo

Dr. Anil Fokmare concluded the session with feedbacks from the participants. The participants expressed that the 7-hour workshop was interactive and valuable in terms of learning.

The second day of the offline workshop was conducted in the Auditorium of Shri. R.L.T College of Science, Akola. The participants were exposed to various opportunities in pharmaceutical industries and the ways they can apply for specific positions. They also learnt about the career opportunities associated with pharma sector including clinical data management, analytical and green chemistry, regulatory affairs, consultation, sales representative, and others. Not only this, they were also informed about the certification and experience required for these jobs and the companies that hire freshers for work. The resource person also emphasized that candidates from all fields of life science and chemical science are employed and trained according to their requirements and area of expertise.

The participants were given a general idea about the instruments by visiting the laboratories of the college. This included microbiology, biochemistry, and chemistry labs. The session was progressed by exhibiting the techniques used in a microbiology lab which included basic tests for calibration, enumeration, and sensitivity and advanced tests like PCR and chromatography. During the lab visit, the participants were demonstrated the protocol of dressing and the importance of wearing the required attire which included cap, gown, shoe covers, and hand gloves. The hazards and problems associated with not following these protocols were also discussed. The laminar air flow containing HEPA filters were also shown and the importance of having an aseptic condition in microbiology was discussed. The other instruments were autoclave, hot air oven, incubator, ultrasonicate, pH meter, colorimeter, spectrophotometer, and other glassware.

After the instrumentation session, the participants were exposed to the techniques used in microbial identification. This included various media used in the lab along with other conditions that need to be maintained in order to promote the growth of microbes.

The day was concluded by a mock drill of the SOPs followed in a microbiology lab in pharma and the students actively participated in it.

The third day of the workshop was conducted in the Bhausaheb Godbole Sabhagruh of Shankarlal Khandelwal College, Akola). The president of the event was Shri. Gopalji Khandelwal (Secretary, Shikshan Prasarak Mandal, Akola) and the guests of honor were Adv. M.G. Mohta (President, The B.G.E. Society, Akola), Shri. P.N Maheshwari (Hon. Secretary, The B.G.E Society, Akola), Shri. A.Y. Kulkarni (Vice-president and Treasurer, Shikshan

The last 3 days of the workshop was conducted online using the Google Meet platform. The participants were asked to keep the camera on to ensure complete attention. These days emphasized on providing the students with information regarding the process of GDP and GMP compliance and the systems of auditing. Dr. Fokmare focused on the importance of document compliance and errors that occur during the same. He explained how 'root cause analysis' is done after finding the errors. The 'corrective action preventive plan' was also discussed by giving some examples from the industry. The Code of federal regulation (CFR) was explained along with its standards. Data integrity is simply the maintenance, assurance, accuracy and consistency of data and is of utmost importance. It can lead to many repercussions if not dealt with care. It aims to prevent any unwanted and unintended changes to information.

The one-week workshop was successfully conducted by the combined efforts of all participants, resource person, teaching and non-teaching staff of Shri. R.L.T College of Science and Shankarlal Khandelwal College, Akola, and the Berar General Education Society and Shikshan Prasarak Mandal, Akola.

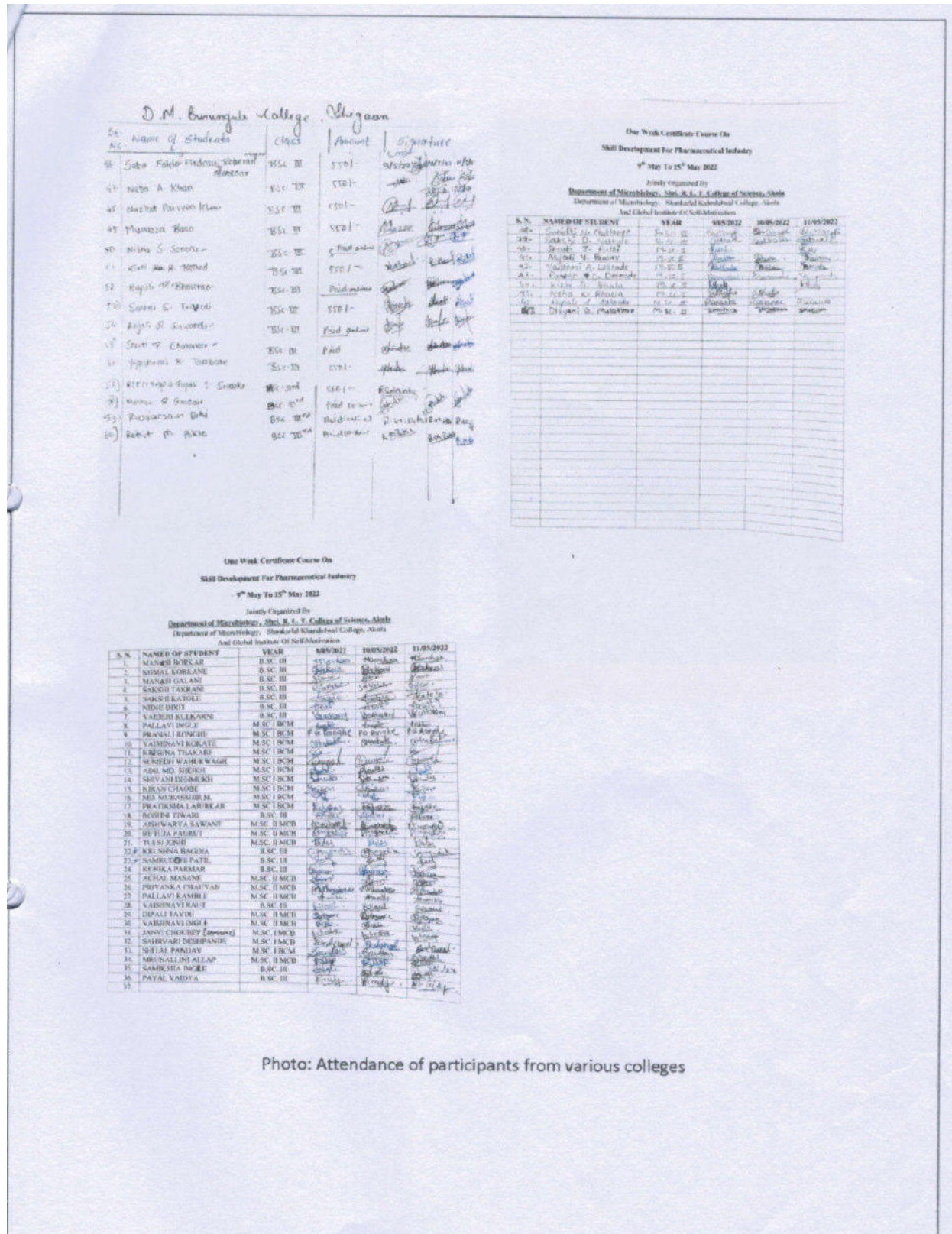


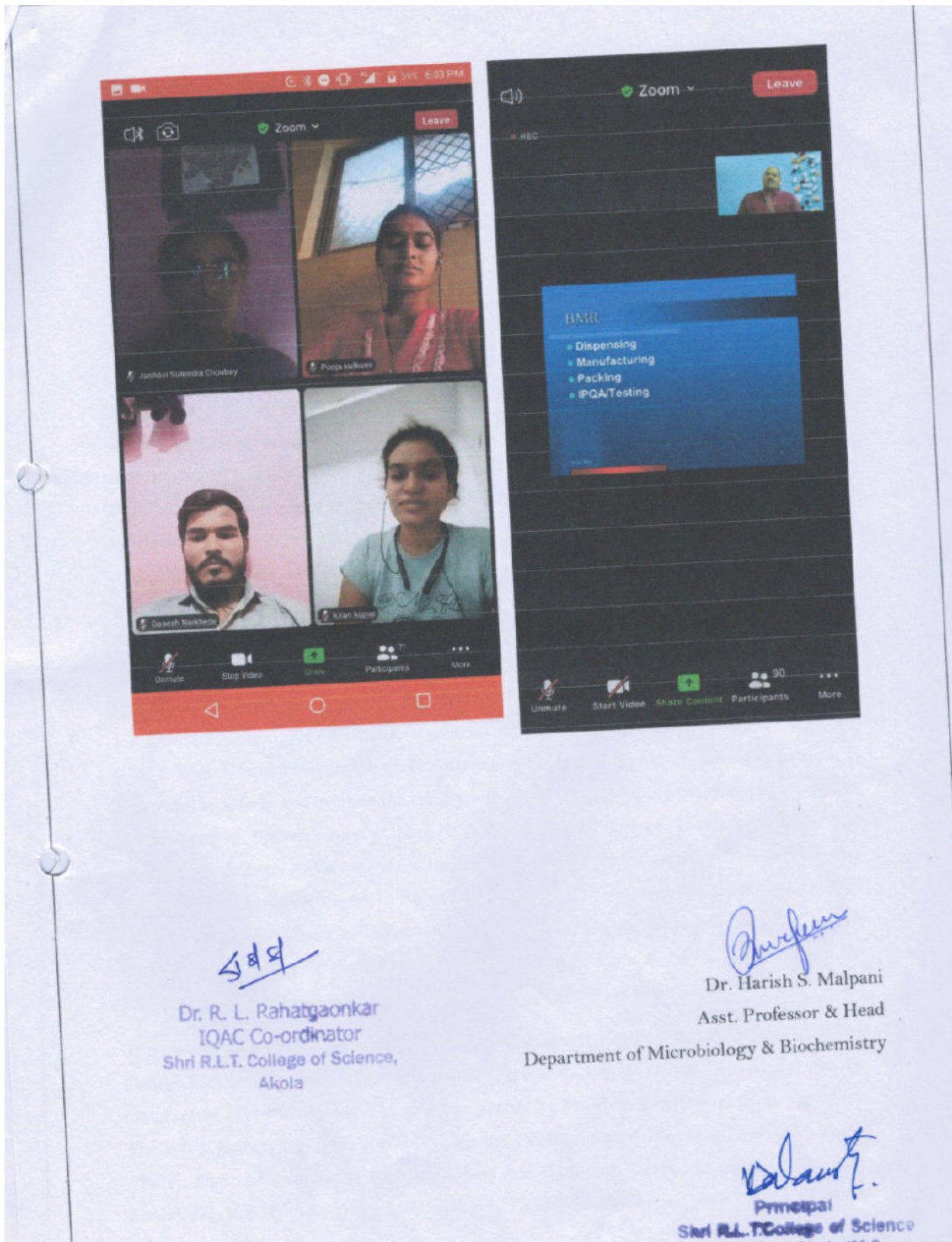






Participants, resource person, and staff members at the workshop at Shri. R.L.T College of Science, Akola





S.R.L.
Dr. R. L. Rahatgaonkar
IQAC Co-ordinator
Shri R.L.T. College of Science,
Akola

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

Principal
Principal
Shri R.L.T. College of Science

Yuva Din celebration by code of conduct committee and Department of Languages guest lecture on Social Values and responsibilities of youth to the Society

Online Guest lecture organized by code of conduct monitoring committee for student sensitization organized on youth Day Jan 12 2022. The lecture was delivered by a key note speaker Dr Amar Singh Professor and Head Department of English, Government College Chand Chhindwara, Madhya Pradesh. The programme began sharply at 12.00 p.m. by paying honour to Swamiji on his birth anniversary .The honorable principal Dr Vijay D Nanoty presided over the programme who also gave introductory remarks as well as welcomed the resource-person .Dr Archana sawarkar worked as coordinator while Mr. Arun B khedkar worked as organizing Secretary whereas Dr.Rashmi Joshi ,Mr. Shankesh Zyate and Mr Shailesh Jaiswal worked for the success of the programe as organizing team

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

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

<p>brochure</p>	<p>Screenshot as proof</p>

.CONSTITUTION DAY celebration

26th Nov.2021 constitution Day celebration took place with enthusiasm and zeal .Hon. principal honored Bharatrana Dr. Babasaheb Ambedkar then addressed the students how Dr Babasaheb contributed greatly in shaping our constitution .which is the biggest written one in the world . Later on ,principal read aloud the preamble which was followed by all present.Copies of the constitutional preamble was distributed among staff and students.



While doing honour to Bharatrana Dr. Babasaheb Ambedkar



Students and staff while reading the preamble of the Indian Constitution



Equal opportunity centre

The college has its own Equal Opportunity Centre To make sure that Equality prevails in the college in terms of the various schemes run by the Govt. EOC Makes it sure that the information of all Scholarship Schemes are conveyed to the students so that they can get the benefit from it. EOC has been functioning for a long time as some document proof show that it was functioning in 2010 too. Revised committee and old documental proofs are given below.

Akola, Maharashtra, India
P244-F83, New Radhakisan Plots, Akola, Maharashtra 444001, India
Lat 20.706018°
Long 77.005825°
24/05/22 12:59 PM

Akola, Maharashtra, India
P244-F83, New Radhakisan Plots, Akola, Maharashtra 444001, India
Lat 20.706018°
Long 77.005825°
24/05/22 12:59 PM

Equal Opportunity Centre 02/08/20

* As per the plan of UGC - 'Equal opportunity centre' has been established in Shri R.L.T. college of science, Akola.

For the establishment of Equal opportunity centre, Honble principal Dr. V.D. Nanoty and teaching staff were present at meeting hall on 02 July 20 at 4.00 pm.

It was decided that there will be an advisory committee which will work for Equal Opportunity centre, Principal will be the chairperson of that committee and Mr. P.R. Kawale, Mr. P.M. Khadse and Mr. S.B. Tadam will extend their cooperation as a member of the committee.

V. D. Nanoty
Principal
Shri R.L.T. college of science
Akola

Shri R. L. T. College of Science, Akola.
Report
Under UGC Merged Schemes
Equal Opportunity Centre's in Colleges
2014-2015


Equal Opportunity Centres in Colleges works according to the UGC guidelines, with the formation of an advisory committee, having Principal, Dr. V. D. Nanoty, Chairman, advisory committee and Prof. Pravin B. Kawale, Adviser, advisory committee along with the two members on staff namely Prof. Sujata D. Tadon and Prof. Prasad M. Khadse to extend their co-operation. Total three periodic meetings have been arranged in which initiatives were proposed for creating awareness among the students about the social responsibility.

The Equal Opportunity Centre's in Colleges discussed and functioned on the following issues during 2014-15.

- To ensure equity and equal opportunity to the community at large in the college and bring about social inclusion.
- To make efforts to sensitize the academic community regarding the problems associated with social exclusion as well as on addressing the issues like gender disparity.

Apart from this, poor student of economically backward class identified on the basis of annual income of his/her guardian and financial assistance provided to them through 'Equal Opportunity Centres in Colleges', Financial Assistance of Rs. 3000/- has been provided to Mr. Suni Ingole, M. Sc.-II year, Chemistry student towards the examination fee through grant of the centre.

S. B. Tadam
Coordinator
Equal Opportunity Centre


The Berar General Education Society's
Shri R.L.T. College of Science, Akola
Equal Opportunity Centre 2021-2022
(समान संधी केंद्र)

Sr. No.	Name	Designation	Responsibility	Contact No.
1	Dr. V.D. Nanoty	Principal	Chairperson	9822724504
2	Dr. P.R. Kawle	Asst. Professor	Advisor/ Co.Ordinator	9550378098
3	Dr. S.B. Tadam	Asst. Professor	Co Co-Ordinator	8805936105
4	Dr. P.M. Khadse	Asst. Professor	Member	9923861996
5	Mr. G.B. Satpute	Asst. Teacher	Member	9403339801
6	Mr. S.G. Solanke	Jr. Clerk	Technical Asst./Member	9922645813
7	Ms. Apeksha Dandi	Student	Member	7499343977
8	Mr. Nagsen Jamnik	Student	Member	7410787371

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24. Vashistha, B.R. (1995). Botany for Degree Students-Fungi (9th Ed.) S. Chand and company (P) Ltd. New Delhi. 7
25. Pandey Dr.B.P., Botany for Degree Students, S.Chand & Co. Ltd. New Delhi.
26. Modern Practical Botany Volume-I, Dr.PB.Pandey, S.Chand Pub., N. D.
27. Modern Practical Botany Volume-II, Dr.PB.Pandey, S.Chand Pub., N. D.
28. Modern Practical Botany Volume-III, Dr.PB.Pandey,S.Chand Pub., N. D.
29. A Text Book of Botany – Diversity of Microbes and Cryptogams (2013), Dr.N.H.Shahare, Dr.A.U.Pachkhede, Dr.D.V.Hande, Dr.S.H.Kanherkar, Sh.R.S.Dhade, Dr.D.S.Talwankar, Published by Nabh Prakashan, Amravati.

**B. Sc. I : Semester – I
Practical Schedule**

Time : 4 hours	Marks : 50
Q1: Temporary mount and identification of given algal form (any two)	10
Q2: Temporary mount and identification of given fungal form (any two)	10
Q3: Salient features and identification of bryophytic material	05
Q4: Salient features and identification of pteridophytic material	05
Q5: Spotting (Algae, Fungi, Bryophyte, Pteridophyte, Pathology)	10
Q6: Viva-voce and Practical Record	05
Q7: Excursion Report	05

14. ENVIRONMENTAL SCIENCE

15 Environmental Science

(CONCEPTS OF ENVIRONMENTAL SCIENCE)

- UNIT - I.** Fundamentals of Environmental Science – Definition, scope, principles and environmental ethics.
Components of Environment: Atmosphere - Definition, structure and composition.
Hydrosphere – Definition, distribution of water, hydrological cycle, and global water balance.
Lithosphere - Definition, internal structure of earth. Rocks - types and their formation.
Biosphere - Definition, boundaries of biosphere.
(Lectures-14)

UNIT – II.A. Natural Resources- Definition, classification.

- a). Water Resources (Freshwater) - types, availability, demand utilization and conservation.

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- b). Forest resources - Distribution, Indian types, utilization and conservation.
- c). Mineral resources – types, availability, distribution, utilization and conservation.

- B. Soil** - Definition, composition, formation, soil profile.
Humus – significance and role.

(Lectures-14)

UNIT – III. Environmental meteorology-I.

- Solar radiation - concept of insolation and heat budget.
Temperature – Horizontal distribution, lapse rate, temperature inversion. Humidity -definition and types.
Wind - origin and Earth's surface wind system (doldrums, trade wind belt, prevailing westerlies, and polar easterlies).

(Lectures-14)

UNIT – IV. Environmental meteorology-II.

- Atmospheric pressure, Vapor pressure, saturated vapor pressure, concept of fog.
Clouds- definition, formation and types.
Precipitation- types (orographic, convective, cyclonic), forms of precipitation (rain, drizzle, sleet, hail, snow).
Monsoon- Meaning origin, Indian monsoon (Bay of Bengal branch and Arabian Sea branch) and significance.
El-Nino- concept and mechanism.

(Lectures-14)

UNIT – V. Environmental Geosciences.

- a. Climatic types and their distribution -Tropical Rainforest, Savanna, Taiga and Tundra with respect to their temperature, wind pattern, precipitation and vegetation.
- b. Geological hazards- Earth quakes, Floods, Volcano's, Cyclones (causes, distribution types and effects).

(Lectures-14)

UNIT – VI Marine Environment

- a. Introduction to Marine Environment- zonation in the sea, physico-chemical properties, (viscosity, temperature, light penetration, salinity, CO₂, O₂).
- b. Oceanic movements- waves, tides, oceanic currents (origin and types). Tsunami- origin and effects.
- c. Marine Resources – Food, medicinal, mineral, ornamental, petroleum deposits.

(Lectures-14)

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- Dr.Mrs.S.P.Khodke, Published by Nabh Prakashan, Amravati.
 43) Morphology of Angiosperms and Utilization of Plants, Dr.Shubhangi Ingole, Published by Paygun Publishers, Amravati.

**Semester – II
 Practical Schedule**

Time : 4 hours	Marks : 50
Q1. Preparation of double stained permanent mount of given Gymnospermic material and identification with reasons	10
Q2. Comments on given Morphological specimens	12
i. Root	
ii. Stem	
iii. Leaf	
iv. Inflorescence	
v. Flower	
vi. Fruit	
Q3. Comment on given medicinal plant with reference to morphology, part used and medicinal importance (Any two)	10
Q4. Spotting (02 marks each)	08
a) Palaeobotany	
b) Gymnosperms	
c) Utilization of Plant (food, fibers, spices) (2 Materials)	
Q5. Practical record	5
Q6. Viva voce and Excursion report	5

**14. ENVIRONMENTAL SCIENCE
 25 ENVIRONMENTAL SCIENCE**

ECOLGY AND ENVIRONMENT

- UNIT I** a) Introduction to Ecology- Definition, principles and scope of ecology. Ecological factors- climatic, biotic, topographic.
 b) Biogeochemical cycles- Definition, types. Gaseous (carbon, oxygen, and nitrogen). Sedimentary (phosphorous and sulfur)
 (Lectures-14)
- UNIT II** a) Population Ecology- Definition, characteristic (natality, mortality, age structure, growth curve, dispersal, population size and density, biotic potential and life tables.
 b) Interspecific relationship- Positive and negative.
 Positive- mutualism and commensalism.
 Negative – Parasitism and predation. (Lectures-14)

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UNIT III : Community Ecology: Definition, characteristics – species diversity, growth form, structure and dominance.

Characters used in community structures-

Analytical-a) Qualitative- frequency, abundance, density, basal area, dominance. b) Quantitative – Physiognomic, phenology stratification abundance vitality, life form.

Synthetic- i) presence and Constance, ii) fidelity iii) Dominance and other synthetic characters.

Methods of study of community- Quadrat.

(Lectures-14)

UNIT IV a) Ecosystem- Definition, components and structure, food chain, food web, ecological pyramids, energy flow in ecosystem, energy flow model (Y- shaped).

b) Ecosystem types: Terrestrial- forest, grassland, desert and cropland; Aquatic- marine and fresh water.

(Lectures-14)

UNIT V a) Productivity of ecosystem- Concept of productivity, types (primary, secondary), net productivity. Biomass-concept, definition and study methods.

Methods of measurement of productivity- Chlorophyll, O₂, CO₂ and radioactive.

b) Ecological succession – Definition, causes, types. General process of succession. Hydro sere, xerosere as a succession models. Ecological niche, Ecotone.

(Lectures-14)

UNIT VI a) Biodiversity – Definition, types,. Biodiversity loss, global diversity: India as mega diversity nation. Indian Biodiversity hot spots.

b) Bio-indicators - climatic, soil and pollution and their role in environment. (Lectures-14)

NOTE :- Should visit to different Environmental ecosystems for the study of various components, interactions and ecological indicators.

BOOKS FOR REFERENCE:

1. A Text book of Ecology and Environment by P.C. Joshi and Namita Joshi, Himalaya.
2. Fundamentals of Ecology by E.P. Odum.
3. Principles of Environmental Biology-P.K. G Nair, Himalaya Publ.
4. Ecology and Environment- P.D. Sharma , Rastogi Publ.
5. Plant Ecology and Soil Science- R.S. Shukla, P.S. Chandel, S Chand & company.

- 4) Darnell J. 2000. Molecular Cell Biology (Fourth Edition). WH. Freeman and Company, New USA.
- 5) De-Robertis EDP: Cell Biology.
- 6) Devi P. 2008-Principle and Methods of plant Molecular Biology, Biochemistry and Genetics Agrobios, Jodhpur, India.
- 7) Gardner and Simmons Snustad 2005 (Eighth Edition). Principles of Genetics, John Wiley and Sons, Singapore.
- 8) Gerald Karp 1999 Cell and Molecular Biology- Concept and Expts. John Wiley and Sone Inc., USA.
- 9) Gupta P.K (1995) Genetics and Cytogenetics. Rastogi Publications, Meerut.
- 10) Leninger A.C (1987). Principles of Biochemistry, CBS Publishers and Distributors (Indian Reprint)
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- 13) P.S.Verma & Agrawal V.K. - T.B. of Cytology.
- 14) Pawar C.B 2003 (First Edition). Genetics Vol. I and II. Himalaya Publishing House, Mumbai.
- 15) Powar C.B 2005 (Third Edition). Cell Biology, Himalaya Publishing, Mumbai.
- 16) Roy S.C and KKDe 2005 (Second Edition). Cell Biology, New central Book Agency Private Ltd., Kolkata.
- 17) Sharma J.R 1994 Principles and practices of Plant Breeding. Tata McGraw-Hill
- 18) Shrivastav H.N. - Cell Biology and Genetics - New Millennium Edition - Pradip's.
- 19) Singh B.D 2004. Genetics. Kalyani Publication, Ludhiana.
- 20) Strickberger 2005. (Third Edition). Genetics. Prentice Hall of India Pvt. Ltd., New Delhi.
- 21) Veerbala Rastogi . Introduction to cytology.
- 22) Verma P.S and Agarwal V.K 2006 Cell Biology, Genetics, Molecular Biology, Evolution, Ecology. S. Chand and Company, New Delhi.
- 23) Verma P.S. and Agarwal V.K.(1991). Genetics. S Chand Comp. Ltd. Rammagnr, New Delhi.
- 24) Verma S.K. and Mohit Verma 2007. A.T.B of Plant Physiology,

- Biochemistry and Biotechnology, S. Chand Publications.
- 25) Verma S.K. and Verma Mohit (2007). A.T.B of Plant Physiology, Biochemistry and Biotechnology, S. Chand Publications.
 - 26) Modern Practical Botany, Volume-I, Dr.B.P.Pande, S.Chand Publication, New Delhi.
 - 27) Modern Practical Botany, Volume-II, Dr.B.P.Pande, S.Chand Publication, New Delhi.
 - 28) Modern Practical Botany, Volume-III, Dr.B.P.Pande, S.Chand Publication, New Delhi.

8 ENVIRONMENTAL SCIENCE

3S-ENVIRONMENTAL CHEMISTRY

UNIT I: A. Fundamentals of Environmental Chemistry-

(15 Lectures)

Laws of Thermodynamics, Chemical potential, chemical equilibrium, acid base reaction, solubility of gases in water, saturated and unsaturated hydrocarbons.

B. Chemistry of biologically important elements- sources, role and effects

- (1) Energy exchange elements – Oxygen, Hydrogen
- (2) Activators and Inhibitors – Na, K, P, Ca
- (3) Trace elements – Ni, Mg, Mo, Cu, Fe.

UNIT II : Chemistry of Biomolecules –

(15 Lectures)

- (1) Carbohydrates – Biological importance, classification, structure of Glucose & Sucrose
- (2) Oils & Fats (Lipids)- Biological importance, Fatty acids, properties of fatty acids
- (3) Proteins - Biological importance, types of proteins, Amino acids, properties of amino acids.
- (4) Enzymes – definition, classification, properties, mechanism of action

UNIT III: Toxicology-I

(15 Lectures)

- (1) Definition, Scope, toxicants – definition, sources.
- (2) Factors influencing toxicity (acute, chronic and sub chronic exposures)
- (3) Evaluation of toxicity – acute toxicity – LC₅₀, LD₅₀, Sub acute toxicity test, chronic toxicity test
- (4) Bioremediation, biotransformation and Bioaccumulation.

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UNIT IV: Toxicology-II (15 Lectures)

- (1) Routes of exposure, mode of actions and physiological effects of –(a) aldrin, (b) BHC (c) DDT, (d) Synthetics detergents
- (2) Xenobiotics – definition & mechanism of Detoxification
- (3) Bioremediation –definition, types.

UNIT V: Chemistry of Water: (15 Lectures)

- (1) Chemical structure of water, Physico-chemical properties of water.
- (2) Chemical speciation of heavy metals – Hg – Distribution and Identification, Pb- Distribution and Identification.

UNIT VI: Renewable Energy Resources: (15 Lectures)

- (1) Solar Energy – Concept , Solar Collectors, Photovoltaics, Solar Water Heater, Solar Cooling, Solar Ponds, Solar Chimney
- (2) Hydro power - Concept & Mechanism, Significance
- (3) Wind Energy - Concept & Mechanism, Significance
- (4) Bioenergy – Biomass, Bioalcohol, Biogas
- (5) OTEC – Principles, mechanism and significance.

Practical On paper 3S:-

1. Estimation of trace elements by paper chromatography.
2. Estimation of molarity, normality of given sample.
3. To study the property of enzyme by demonstrating any test.
4. Estimation of carbohydrates .
5. Estimation of proteins.
6. Estimation of amino acids by Ninhydrin test.
7. Demonstration of immobilization of enzyme.
8. Study of Bioaccumulation of pesticides in aquatic animals.
9. Study of Bioaccumulation of detergents in aquatic animals.
10. Demonstration of non-conventional energy sources by working models.
(i) Solar cells, (ii) Solar cooker, (iii) Windmills, (iv) Solar Heaters.
11. To study the activity of amylase.

Note : Visit to non conventional energy plant.

54

Distribution of Practical Marks. (Max. Marks. – 50)

Time : 6 Hrs.

Q1	Any one major experiment based on environmental Chemistry	10
Q2	Any one minor experiment based on environmental Toxicology	09
Q3	Any one experiment based on environmental Biochemistry	12
Q 4	Experiment on Renewable Energy	05
Q 5.	Practical record.	05
Q 6	Viva – voce	04
Q7	Visit Report	05

Total Marks : 50

Books Recommended :

1. Environmental Chemistry by- Ayodhya Singh
2. Environmental Chemistry by- Reddy
3. Environmental Chemistry by- S.S. Dara
4. Environmental Chemistry by- H. Kaur.
5. Chemistry for Environmental Engg. And Science by – C. N. Swayer , P.L. Macdy, G F. Parkin.
6. Environmental Chemistry by- Chandrashekhar Reddy.
7. Environmental Science – by S.C. Santra.
8. Environmental Chemistry by B.K. Sharma.
9. Environmental Chemistry by –A. K. Dey.
10. Concept of Environmental Chemistry – G. S. Soudhi ; Narosa publishing , New Delhi.
11. Environmental Chemistry by – R. C. Rsswell ; Edward Armoic Press.
12. Elements of Environmental Chemistry by –H. V. Jadhav; Himalaya pub. House.

4S- ENVIRONMENTAL POLLUTION

UNIT I : Air pollution – Classification , sources of air pollution, major air pollutants, types of air pollution, effects of air pollutants on plants , effects of air pollutants on human, effects of air pollutants on materials, status of air pollution in India.
(15 Lectures)

UNIT II : Water pollution – Definition, sources of water pollution, major pollutants, types of water pollution – fresh water (rivers, streams, ponds, lakes and underground water resources), marine water (coastal and estuarine), effects of water pollution on plants, animals and human beings, eutrophication, water pollution status in India, drinking water quality standards. (15 Lectures)

UNIT III : Land pollution – Definition, causes of soil pollution, major soil pollutants, effects of soil pollutants on plants and animals, nutrients in soil (NPK), domestic, municipal, industrial, and agricultural wastes and their relation with soil degradation, soil salination (15 Lectures)

UNIT IV : Noise pollution – Definition, sources, effects of noise pollution, psychological and physiological effects of noise pollution, unit of noise, monitoring of noise pollution, noise pollution standards, techniques of measurements of noise pollution, Indian scenario of noise pollution. (15 Lectures)

UNIT V : Radiation pollution – Definition, sources, major radioactive isotopes, nuclear fusion & fission reactions, units of radiations, application of radioactive isotopes in various field, effects of radioactive pollution, effects of nuclear weapons, radioactive fallout, health and environmental effects of radioactive fallout. (15 Lectures)

UNIT VI : Major Environmental Issues :

(A) Global Warming - causes, consequences and control measures.

Ozone depletion - mechanism, consequences and control measures.

(B) Case Studies and Episodes

- (a) Bhopal Gas Tragedy
- (b) London Smog
- (c) Fluoride Pollution in India
- (d) Chernobyl Nuclear Disaster.

Experiments based on papers 4S :

1. To estimate settleable particulate matter, RSPM in industrial area.
2. Measurement of noise level by noise level meter.
3. Determination of physical and chemical properties of Solid waste from industries.
4. Determination of chlorides in waste water sample.
5. Qualitative analysis of coal.
6. Analysis of chloride.
7. Analysis of Sulphate
8. Estimation of oil and grease.
9. Determination of Hardness.
10. Determination of D.O.
11. Determination of Phosphate
12. Identification and enumeration of bacteria from air and water.
13. Determination of calorific value of biodegradable waste.
14. Determination of available phosphorous by spectro photometric method.
15. Determination of available phosphorous by spectro photometric method.
16. Determination of Nitrogen from soil by Kjeldhals Method.
17. Estimation of CO₂ and CO from air.

Note : (i) Visit to different industries.
(ii) Study of pollution status in local area.

Distribution of Practical Marks : (Duration 5 Hours)

Q. 1 - Experiment on water pollution	10
Q. 2 - Experiments on air pollution	10
Q. 3 - Experiment on Noise pollution.	05
Q. 4 - Experiment on Soil pollution.	10
Q. 5. - Practical record .	05
Q. 6- Tour Diary	05
Q. 7 - Viva-voce	05

Total Marks - 50

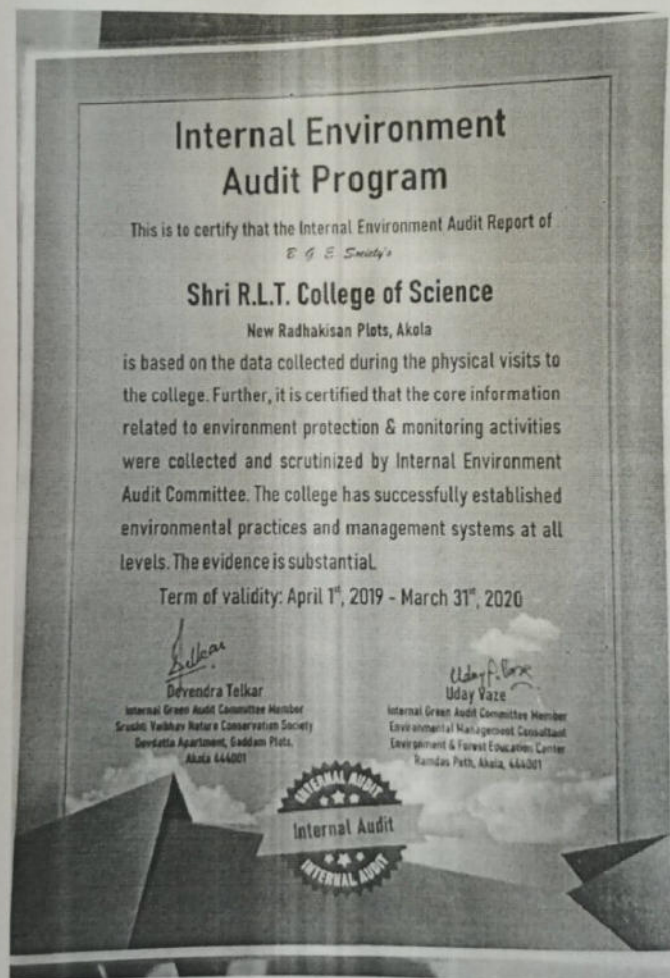
Books Recommended:

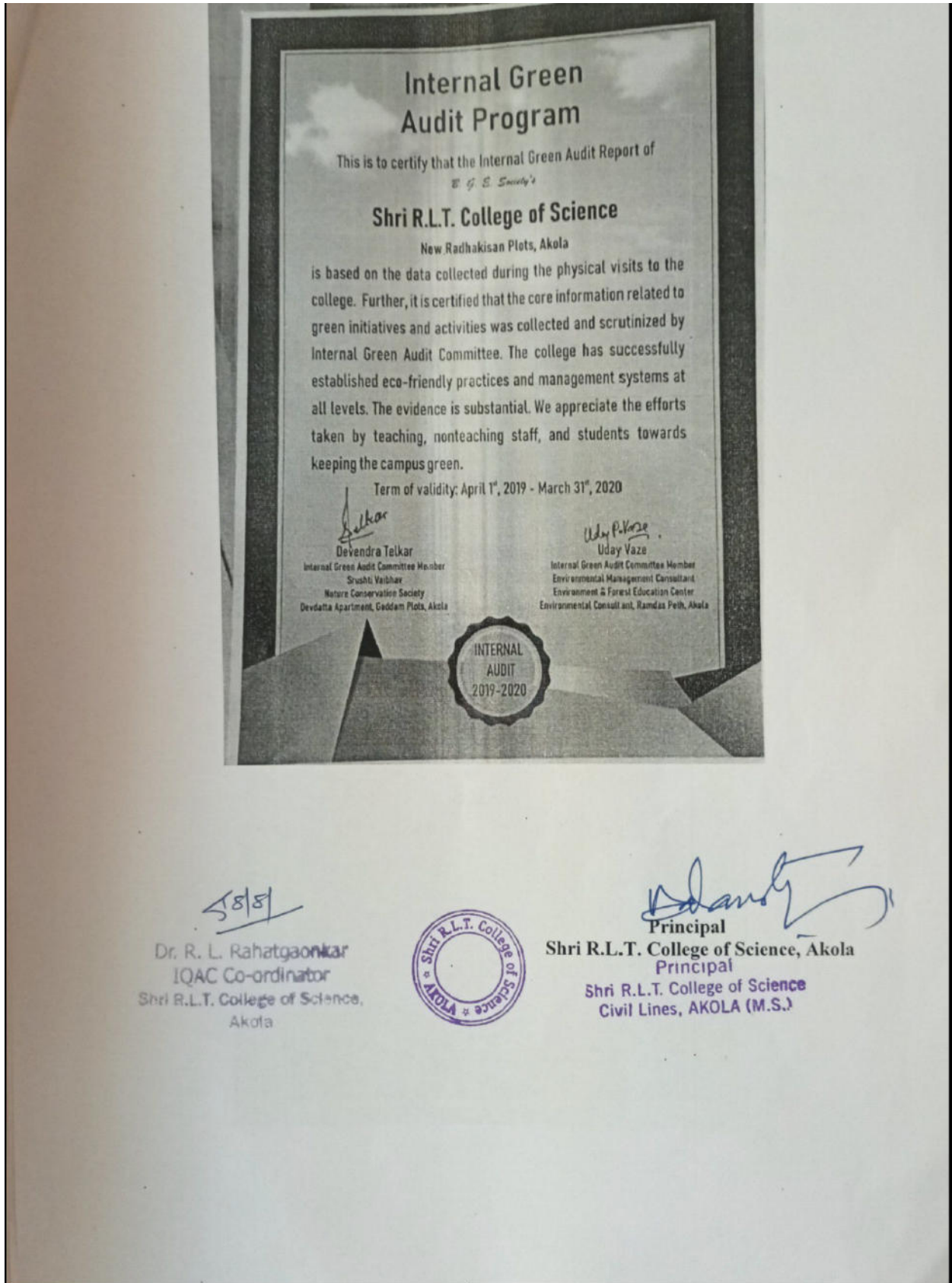
1. Ecology and Environment – P.D. Sharma
2. Environmental Chemistry – V.P. Khudesia
3. Environmental Chemistry – B.K. Sharma
4. Environmental Chemistry – Kaur.

Shri R. L. T. College of Science, Akola
Internal Green Audit under MoU with Shrushti Vaibhav Akola
(Nature Conservation Society)

Session 2019-20

This is to certify that the Internal Green Audit of Shri RLT College of Science, Akola completed with Shrutu Vaibhav Akola (Nature Conservation Society) on dated 10/03/2019 under the signed MoU with Shrutu Vaibhav Akola (Nature Conservation Society).





Shri R. L. T. College of Science, Akola
Internal Green Audit under MoU with Shrushti Vaibhav Akola
(Nature Conservation Society)

Session 2021-22

This is to certify that the Internal Green Audit of Shri RLT College of Science, Akola completed with Shrushti Vaibhav Akola (Nature Conservation Society) on dated 15/03/2021 under the signed MoU with Shrushti Vaibhav Akola (Nature Conservation Society).



Internal Environment Audit Program


This is to certify that the Internal Environment Audit Report of

Shri R.L.T. College of Science

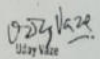
New Radhakisan Plots, Akola, Maharashtra 444001, India

is based on the data collected during the physical visits to the college. Further it is certified that the core information related to environment protection & monitoring activities were collected and scrutinized by Internal Environment Audit Committee. College has successfully established environmental practices and management systems at all levels. The evidences are substantial.

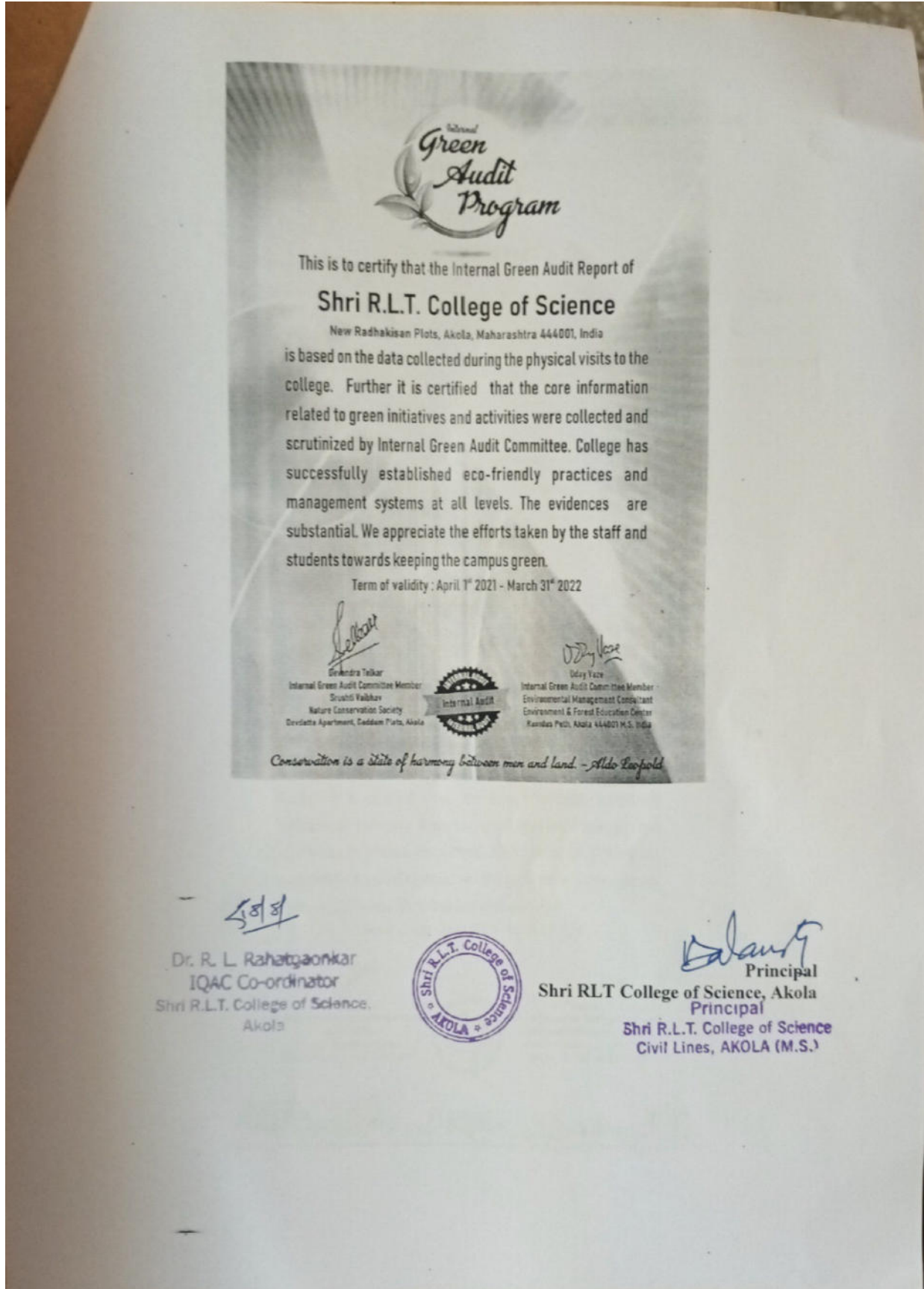
Term of validity : April 1st 2021 - March 31st 2022


Devendra Telkar
Internal Environment Audit Committee Member
Shrushti Vaibhav
Nature Conservation Society
Devdatta Apartment, Gaddam Plots, Akola




Uday Vaze
Internal Environment Audit Committee Member
Environmental Management Consultant
Environment & Forest Education Center
Ramdas Path, Akola 444001 M.S. India





**State Level Online Workshop on
Environment and Biodiversity Conservation**

On the occasion of Environment Day on 5th June 2020, Shri R. L. T. College of Science, Akola organized One Day State Level Workshop on Environment and Biodiversity and Conservation on theme- One Planet Many Species, in collaboration with IQAC and Environment Cell. Total 1149 participants participated from various Universities of Maharashtra State. Online quiz was organized followed by the workshop. The participants scored 50% and above marks were rewarded by Certificates. The workshop was inaugurate by hands of Dr. V. D. Nanoty, Principal, Shri R. L. T. College of Science Akola in Presence of Dr. R. L. Rahatgaonkar, Coordinator IQAC and Ms. V. N. Badgujar, Coordinator Environment Cell.


Mr. Shailendra Madavi has worked as Coordinator of this workshop. While Dr. Archana S. Sawarkar worked as Organizing Secretary and Dr. Sudhir R. Kohchale Worked as Joint-Organizing Secretary. All the members of Environment cell and various teaching staff, non-teaching staffs and students helped and worked hard for the success of workshop.





Brochure of Online workshop on Environment and Biodiversity Conservation



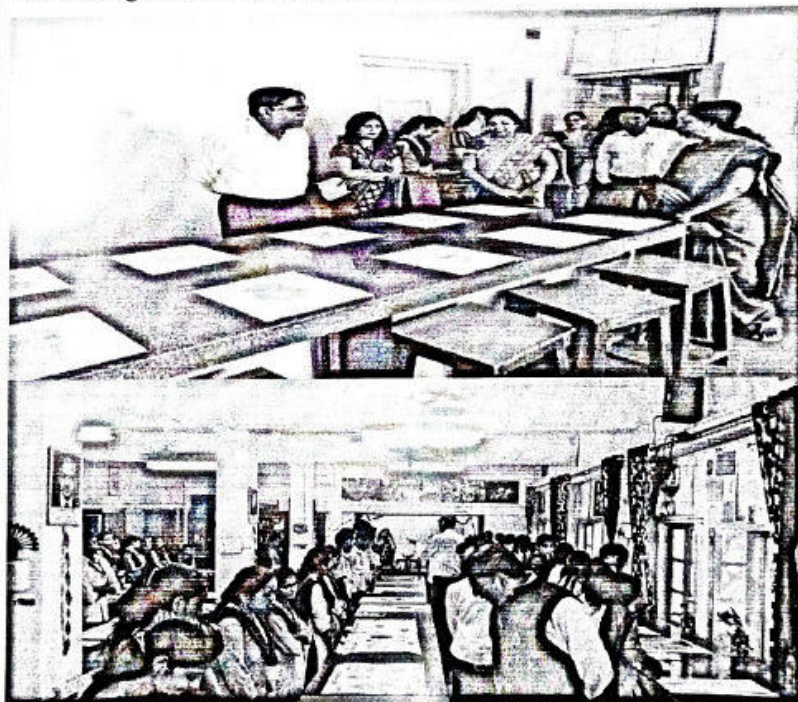
Total Number of participants participated in Workshop



 Dr. R. L. Rahatgaonkar
 IQAC Co-ordinator
 Shri R.L.T. College of Science,
 Akola


 Mr. Shailendra V. Madavi
 Coordinator of Workshop


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

Pratiksha S. Kokate, Head department of Botany Shri Shivaji Science College Akola college. The judges were impressed by observing the drawing skill of differentiation of plant tissues. In all 63 students were participated in this competition from the different colleges across the city. They had Draw a well labeled anatomical diagram like Dracaena stem, Nerium leaf, Sunflower stem and root etc. The event was judged by the very experienced senior faculty member Dr. Pratiksha S. Kokate, Head department of Botany Shri Shivaji Science College Akola college. The judge was impressed by observing the drawing skill of differentiation of plant tissues.



	
<p>OUTCOMES</p>	<p>As a part of curriculum enrichment the department of Botany organized “<i>Inter collegiate Plant Anatomy Diagram competition</i>,” on 13th Sept.2019 in the Botany Laboratory at 12:30 pm. In all 63 students were participated in this competition from the different colleges across the city. They had Draw a well labeled anatomical diagram like <i>Dracaena</i> stem, <i>Nerium</i> leaf, <i>Sunflower</i> stem and root etc. The event was judged by the very experienced senior faculty member Dr. Pratiksha S. Kokate, Head department of Botany Shri Shivaji Science College Akola college. The judges was impressed by observing the drawing skill of differentiation of plant tissues of most of the students and found it very difficult to decide the 3 winners. The Principal Dr. V. D. Nanoty sir motivated and boosted the moral of the students and presented the cash prizes and certificates. Overall it was a very good experience and a good exposure for all the students who participated.</p>

	<p>The results of "<i>Inter collegiate Plant Anatomy Diagram competition</i>" for the students of B.Sc. II Sem III are as given below:</p> <p>First position: Ku. Aishwarya Sonone Shri R.L.T. College of Science , Akola</p> <p>Second position: Ku. Darshana Tapare Shri R.L.T. College of Science , Akola</p> <p>Third position: Ku. Aishwarya Punse Shri R.L.T. College of Science , Akola</p> <p>1st Consolation prize Sankalp Gajghate Shri Shivaji Science, Akola</p> <p>2nd Consolation prize Ashwini Bolwankar Shri R.L.T. College of Science , Akola</p>
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Coordinator

DrAnjali A. Sangole
"*Inter collegiate Plant Anatomy
Diagram competition*"

World Sparrow Day celebration by Dept of zoology 20 -03-2021

Wild-life protection as fundamental duty

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.

On the occasion, an innovative virtual competition for U.G. students were conducted by Dr. Rashmi P. Joshi (Sawalkar), Assistant Professor, Department of Zoology under the able guidance of Dr. S.M. Nagrale, Associate Professor, Head, Department of Zoology and IQAC Coordinator, Dr. R. L. Rahatgaonkar. The different views on the theme "Sparrow Conservation: Today's Need" were invited by the UG students..About 102 participants were registered for the competition and all the registered students received Certificate of Participation after submitting the Feedback form. Out of 102 registered students, 6 participants were from other university and 3 from other colleges. The jury members selected the best three winners for 1st, 2nd and 3rd prizes and one consolation prize.

  <p>The Borar General Education Society's SHRI R.L.T. COLLEGE OF SCIENCE, AKOLA</p>   <p>Department of Zoology and IQAC Celebrating "World Sparrow Day" 20 March 2021 Zebra Cell, Department of Zoology & IQAC organizing an innovative virtual competition for U.G. students and inviting the views on the theme "Sparrow Conservation: Today's Need" You can submit your views in about 500 to 1000 words on the given mail id: drashmijoshi1512@gmail.com Before 20/03/21 till 6:00 pm All participants register yourself through the google form link given below: https://forms.gle/9w18x59KmhE6MAZ 1. Best three views from registered participants will be selected and awarded. 2. The views should be mailed in pdf format having your Name, Class and Name of Institute. 3. The last date of submission is 20/03/21 till 6:00 pm 4. All the participants will get their certificate of participation in their email id once after filling up the Feedback form. The Feedback form link is https://forms.gle/9w18x59KmhE6MAZ until will open from 20/03/21.</p> <p>Co-ordinator: Dr. Rashmi P. Joshi Mob.no. 9823074888</p> <p>JOD Dr. S.M. Nagrale</p> <p>IQAC Co-ordinator: Dr. R.L. Rahatgaonkar</p> <p>President: Dr. V. D. Nanoty</p> <p>Members: Dr. A. S. Sawarkar, Dr. S.R. Kohchale</p>	
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Tree plantation (4th OCT 2021)

On the occasion of "Drug Designing & Drug discovery" Workshop held on 4th Oct. 2021, "Tree plantation" was done at the hands of Hon. Vice-Chancellor of SGBAU, Dr. Dilip Malkhede Sir in college campus.

In this activity President of B.G.E. Society, Ad. Motisinghji Mohota Sir, Vice president, Shri. P. N. Maheshwari Sir, Principal Dr. V.D. Nanoty Sir, Principal Dr S. G Chapke Sir, Principal Dr . Egoavkar Sir grace the occasion. Environment Cell Co Ordinator Prof. Mrs. V. N. Badgujar, , Dr. A.A. sawarkar DR P.M.Khadse,Dr A.A. Sangole Dr.R.P. Joshi ,Mrs. Gawande ,Shri S. V. Madavi & All the members of Environment cell were present on this occasion.



[Signature]
 Dr. R. L. Rahatgaonkar
 IQAC Co-ordinator
 Shri R.L.T. College of Science
 Akola

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

[Signature]
 Environment Cell Co – ordinator
 Prof. Vaishali N.Badgujar

CRITERION I: CURRICULAR ASPECTS



NSS ,NCC Volunteers during tree plantation drive 5-7-2019



Hon. Collector Arora mam with NSS and NCC Volunteers On 7-7-2022



Celebration of Farmers Day of India

Dt:(23/02/21)

On the occasion of Birth anniversary, of the Prime Minister of India Late.Charanshingh Chaudhary 23.02.2021 , This day is celebrated as the Farmer's day of India. Owing to this , Our Alumni association, Dept. of Chemistry, Dept. of Botany and Environment cell celebrated the Farmer's day. On this occasion felicitation of one hardworking farmer was done in presence of our Principal Dr.V.D.Nanoty, Resp. Shri Amar Goud Sir, Dr. P.T.Agrawal Madam , Mrs. Badgujar Madam , Shri. R.D.Chaudhari Sir, Dr.Sarap Sir, Dr. Sangole Madam Dr.Heda Madam, Dr. .Joshi Madam, Dr.khadse Sir , Shri Madavi Sir and All Non teaching Staff was present. All the students of M.Sc Chemistry and Environment cell celebrated the Farmer day.



(Signature)

Dr. R. L. Rahatgaonkar
IQAC Co-ordinator
Shri R.L.T. College of Science,
Akola

(Signature)

Environment Cell Co – ordinator

Prof. Vaishali N.Badgujar

(Signature)

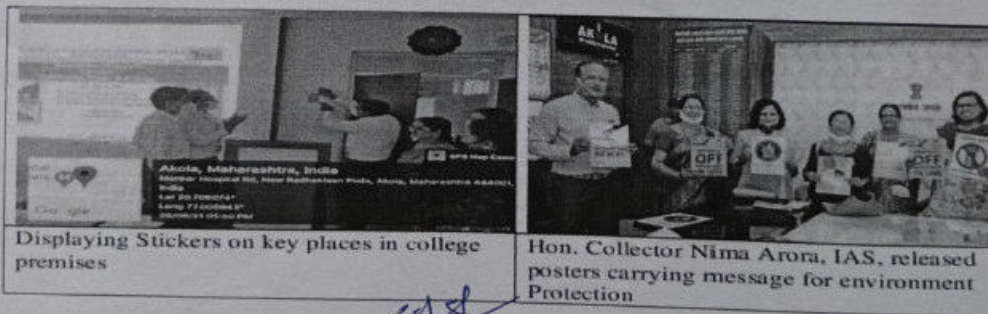
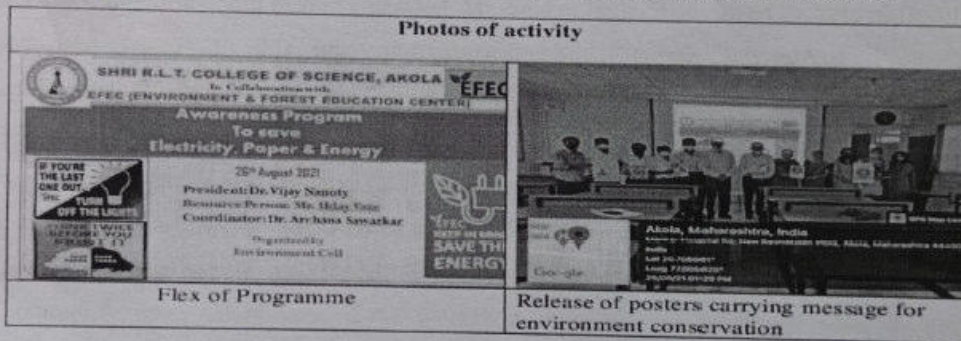
Principal
Shri R.L.T. College of Science
Civil Lines, AKOLA (M.S.)

Awareness Program to save Electricity, Paper & Energy

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 26th 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.

Photos of activity



Dr. Archana Sawarkar
Activity Co-ordinator

Dr. R.L. Rahatgaonkar
IQAC Co-ordinator

Dr. V. D. Nanoty
Principal

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

[Signature]
Environment Cell Co-ordinator
Prof. Vaishali N.Badgujar

Online Workshop on

**E-Waste Management:
Reduce, Repair, Refurbish, Recycle & Reuse**

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

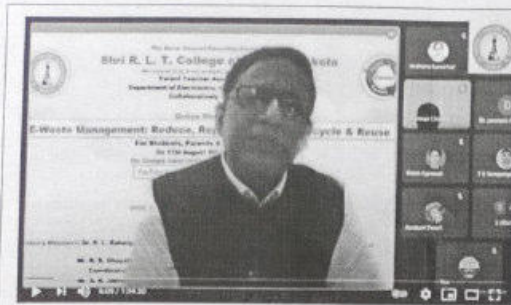
Registration Link:

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

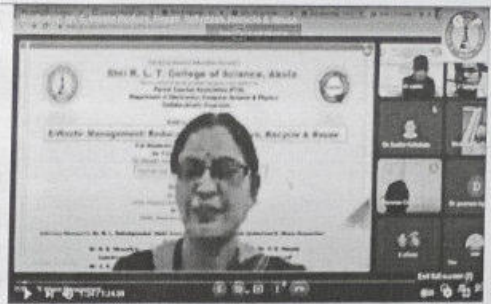
Feedback form link:

<https://forms.gle/tmvhmJyY94XrvZ6c8>

Some Pictures while session:



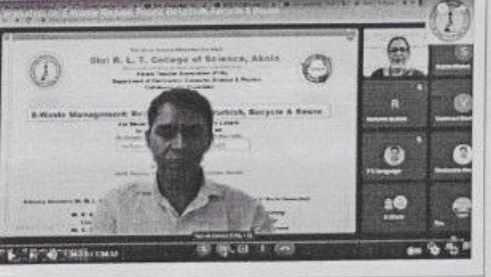
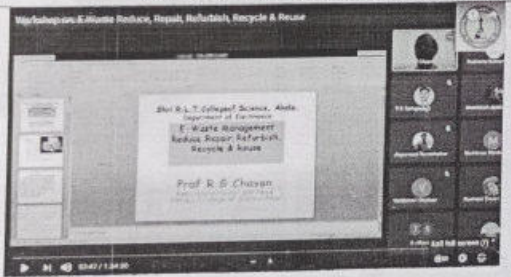
Inaugural speech by
Principal Dr. V. D. Nanoty sir



Conduction of Programme by
Dr. Archana S. Sawarkar



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



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

Vote of Thanks by
Mr. Ram B. Ghayalkar

Dr. Archana S. Sawarkar
Convener/Coordinator

Mr. Ram B. Ghayalkar
Principal

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

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

Environment Cell Co - ordinator
Prof. Vaishali N.Badgujar

R. L. Rahatgaonkar
Dr. R. L. Rahatgaonkar
IQAC Co-ordinator
Shri R.L.T. College of Science,
Akola

Bicycle Day for Eco Friendly Environment

(1/1/2022)

Environment cell in collaboration with NCC,NSS, Observed Bicycle day on 01.01.2022
On this occasion Prof. R.G.Chavan, HOD Dept of Electronics guided students.

Similarly Co-ordinator of Environment cell Mrs. V.N.Badgujar guided students about
conversation of Mother Earth and steps taken for Ecofriendly Environment.

On this event Dr.Rahatgaonkar,(IQAC Co-ordinator),Dr.A.A.Sawarkar, Dr.P.M.Khadse,
Dr.A.A.Sangole, Dr.K.M.Heda, Dr.Rohit Agrawal, Dr.Rashmi Joshi (NSS officer),Prof.S.V.
Madavi were present.

All the students of NSS,NCC &Environment cell were present on this occasion.



No Vehicle day was celebrated by use of Bicycle to reduce pollution.

[Signature]

Dr. R. L. Rahatgaonkar
IQAC Co-ordinator
Shri R.L.T. College of Science,
Akola

[Signature]

Environment Cell Co - ordinator
Prof. Vaishali N.Badgujar

[Signature]

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

World Environment Day
5th June 2022

NSS unit of Shri RLT College of Science, Akola under the guidance of Res. Principal Dr. V. D. Nanoty celebrated World Environment Day on 5/6/2022 and the theme for the year is One "Only One Earth". The volunteers with Program officer Dr. Rashmi Joshi cleaned the Botanical garden in campus and gardening was done by adding new soil and organic Fertilizer to the plants. The new vegetable gardening is also started from today in the garden in campus. At the time respected Principal had given information about, How the vegetables can be cultivated and how the basic need of it in the kitchen of girls hostel and in canteen can be fulfilled. They told the volunteers that we can conserve the Mother Earth by doing such small activities. He evoked the students keep going such activities and conserve Earth and Environment Pollution free.



[Signature]

Dr. R. L. Rahatgaonkar
IQAC Co-ordinator
Shri R.L.T. College of Science
Akola

[Signature]

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

[Signature]

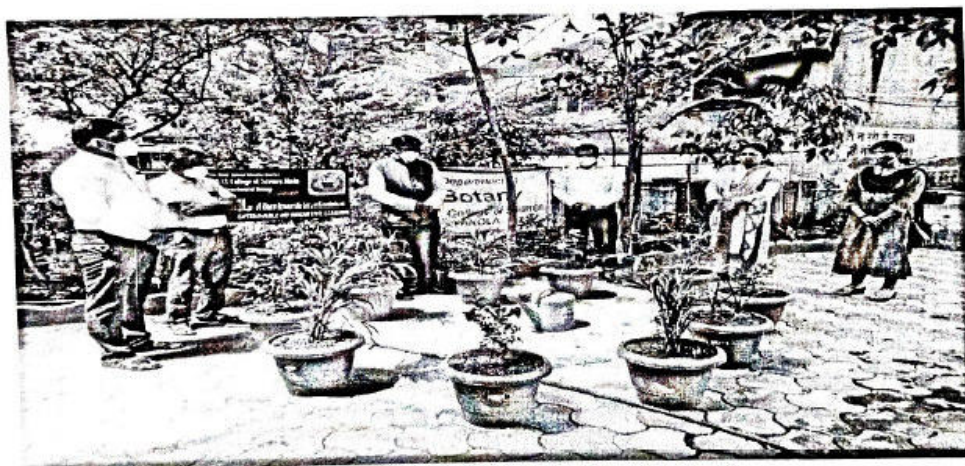
Co-Ordinator Environment Cell
Prof. Mrs. V. N. Badgujar


Environment Cell Report-2021-22


Celebration of "Krushu Din" 1st July 2022

On 1st July 2021 "Krushu Divas was celebrated in all over Maharashtra by Tree plantation. Owing to this 'krushi Din' was celebrated by Dept. of Botany & Environmental cell by Tree plantation activity at the hands of Our Principal Dr.V.D. Nanoty Sir., Dr. Chandravanshi Sir, Dr. Nagrale Sir, Mrs. V.N. Badgujar Madam, Co-ordinator of Environment Cell, Dr. A.A Sangole Madam Dr. Munde Sir, All teaching & Non teaching Staff of Botany Dept. Were present.

On this occasion. Dr. Nanoty Sir Focused on the importance of Plantation and significance of the day. Dr. Sarap Sir also took efforts for this Plantation Activity. The event was ended by proposing vote of thanks by Prof.S.V Madavi Sir.




Dr. R. L. Rahatgaonkar
IQAC Co-ordinator
Shri R.L.T. College of Science,
Akola

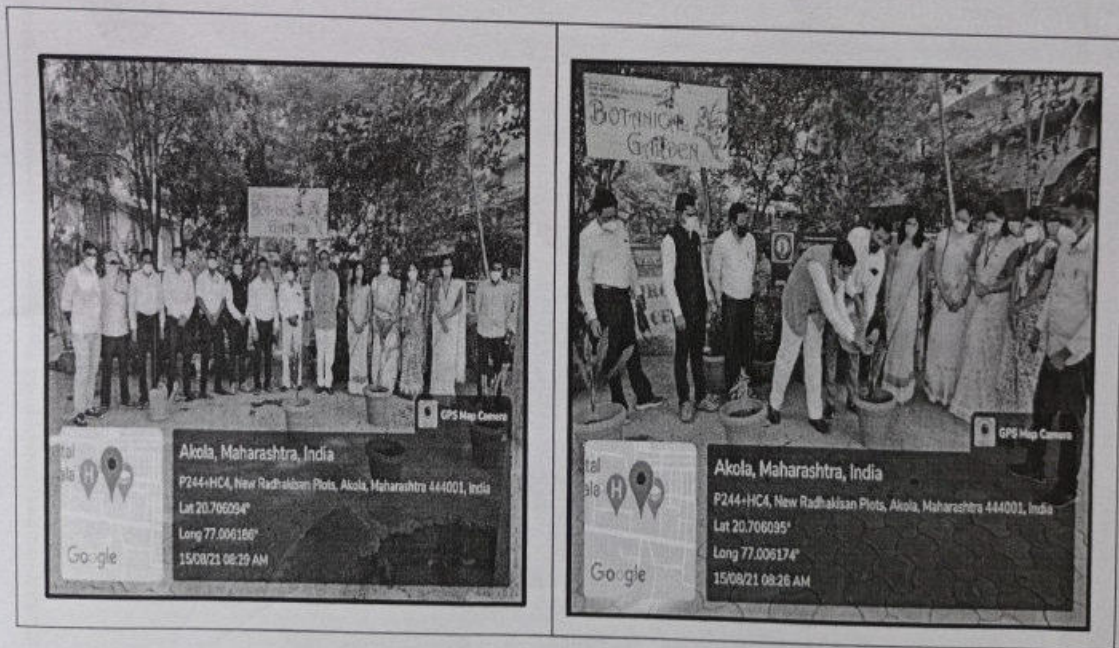

Principal
Shri R.L.T. College of Science
Civil Lines, AKOLA (M.S.)


Environment Cell Co - ordinator
Prof. Vaishali N. Badgujar

75th Independence Day (Azadika Mahotsav)

On the occasion of 75th Independence Day Department of Botany and Environment Cell of the College Organised "Tree plantation" programme. Speciality of this programme was higher quantity of oxygen produced 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.

Plants like Asparagus, Areca palm, Snake plant, Spider plant, Money plant , Aloe vera, plant, Umbrella plants were planted. All the members of Environmental cell & Botany Department were present in this event.



3/8/21
Dr. R. L. Rahatgaonkar
IQAC Co-ordinator
Shri R.L.T. College of Science,
Akola

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

Prof. Vaishali N. Badgujar
Environment Cell Co - ordinator
Prof. Vaishali N.Badgujar

Issue addressed: Environmental Consciousness

One Day workshop on Eco friendly Ganesha idol Preparation.

Department of Microbiology, Shri RLT College of Science, Akola in collaboration with Department of Social forestry, Nisargakatta and Microbiologist society, India have organised one day workshop on Eco friendly Ganesha idol Preparation on 6th of September 2018. Dr. R.B. Heda president of BGE Society, Akola, Adv. M.G. Mohta Hon. Secretary BGE Society, Dr. V.D. Nanoty Principal, Ms. Namrata Tale Range forest officer, Mr. Amol Sawant and Dr. H.S. Malpani Co Ordinator of event were present in inaugural function.

Organising such event is need of time as, India is country where festivals of all religions are celebrated with great enthusiasm and unity. But due to ever increasing population, few practices in these festivals create burden on environment and contribute to pollution. Ganesha festival in one of the widely celebrated events where Lord Ganesh idols are worshiped for ten days. Most of the time these idols are made by plaster of Paris (POP) which when immersed in rivers, contribute to water pollution and adversely affect water ecosystem. An attempt was made to prepare Ganesha Idols by using Shadu soil, which get dissolved easily in water after immersion. This event not only created environmental awareness but also helped students to engage themselves positively to know their own hidden talents. Around 110 participants prepared beautiful Ganesha Idols of Shadu soil which will contribute to reduce water pollution and develop environmental consciousness. Certificates were distributed to all successful participants. Dr. U.K. Bhalekar, Ms. S. N. Gawande and all teaching and non-teaching staff of college were present for event.



(Weblink:-<https://www.rltsc.org/2018/09/eco-friendly-ganesha-idol-preparation/>)


Dr. H.S. Malpani

Coordinator



Dr. R. L. Ranargaonkar
IQAC Co-ordinator
Shri R.L.T. College of Science,
Akola



Dr. V.D. Nanoty

Principal

Shri R.L.T. College of Science, Akola
 Department of Botany
 2020-21
 Report on
State level E-Workshop on Eco-friendly Holi
 On theme
 प्रकृति के रंग प्रकृति के संग
 Organised by
 Department of Botany
 Environment Cell & IQAC
 in Collaboration with Gramayan Pratishthan
 (NGO), Nagpur
27th March 2021 at 4.00pm

Introduction:

Inauguration: Inauguration of this workshop was held on ZOOM platform. Inaugurator and Chief organizer of this workshop was by Dr. V.D. Nanoty sir, Principle of Shri RLT College of Science, Akola. On this workshop, the congratulatory messages of Advocate Motisingh Mohta, the 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 were broadcast Convener of workshop Dr. A.A.Sangole, IQAC coordinator Dr. R.L. Rahatgaonkar

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

Speaker, Mrs. Pragati Madhai, The brilliant shades of Holi colours were made from nature. Most of these trees also had medicinal properties and Holi colors prepared from them.

**Report of Webinar on
Conservation of Water**

Theme – Catch the Rain, where it falls, when it falls

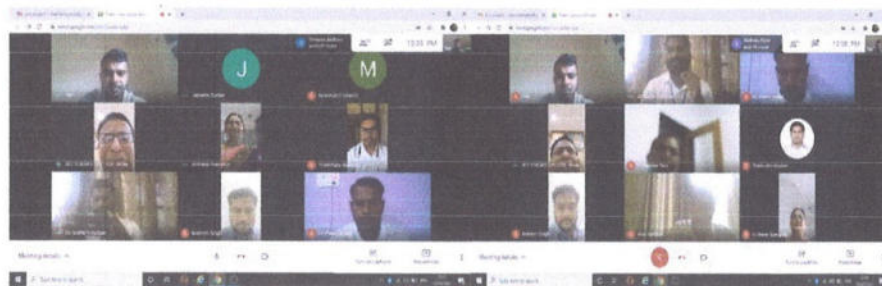
Date – 15/03/2021

Time – 12.00 to 2.00 pm

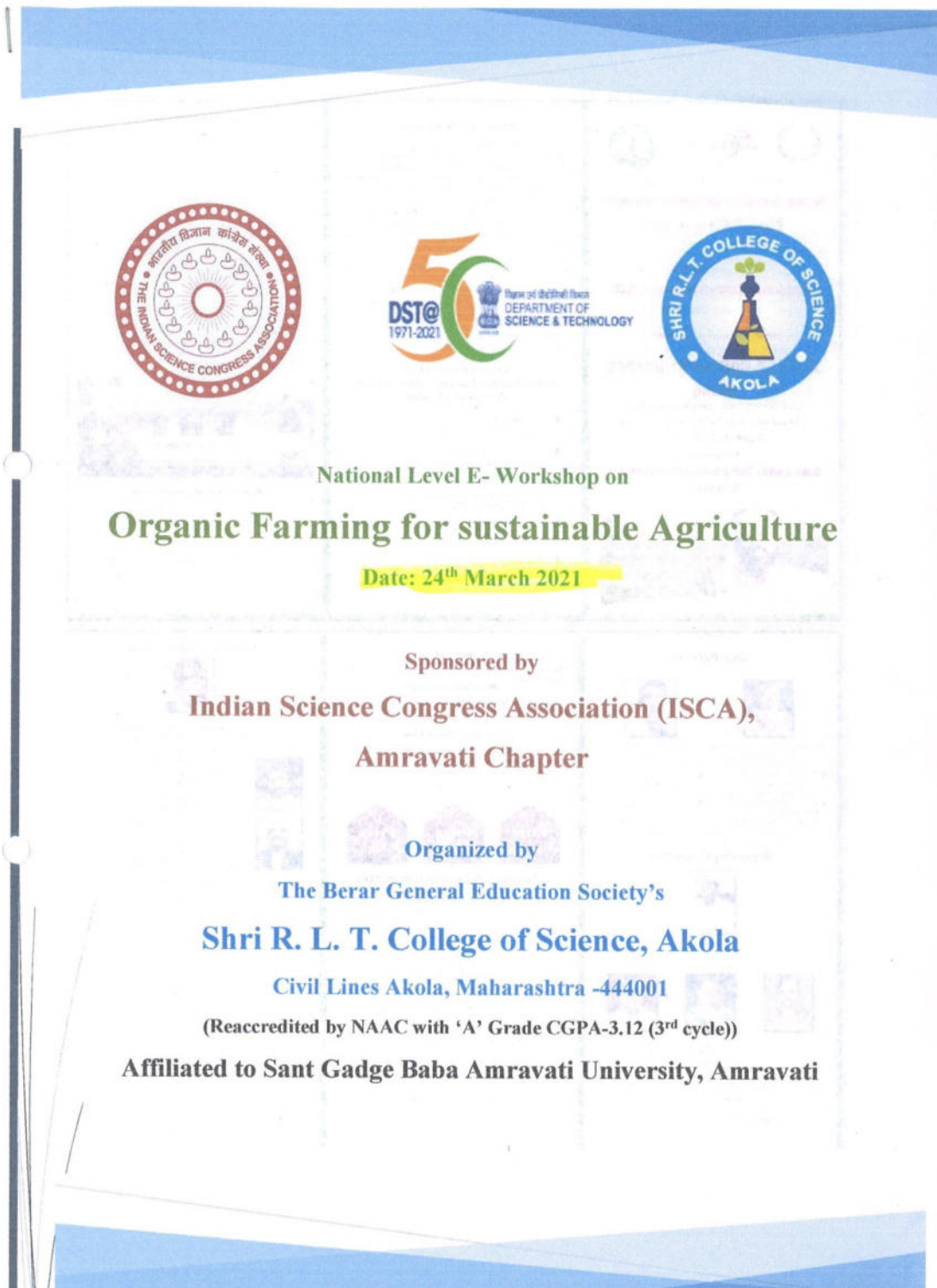
Number of Participants – 406

Mode - Online

Shri. Radhakisan Laxminarayan Toshniwal College of Science, Akola and Nehru Yuva Kendra (Ministry of Youth Affair and Sports), Akola has jointly organized the webinar on the topic 'Conservation of water' under the theme of 'Catch the Rain, where it falls, when it falls'. Webinar was successfully conducted on 15/03/2021 from 12.00 to 2.00 pm. Programme was inaugurated by the hands of the President of today's event Dr. V.D. Nanoty, Principal Shri. R.L.T. College of science, Akola. Convenors of the webinar was Mr. Mahesh Singh Shekhawat, District Youth Officer, Nehru Yuva Kendra, Akola. First key note speaker was Mr. Nikesh S Ingle (IIT Mumbai) delivered the talk on the topic 'Techno-social aspect of water conservation and watershed planning' and second key note speaker was Dr. Sudhir R. Kohchale (Assistant Professor, Zoology) delivered lecture on the topic 'Save water save Earth'. Conduction of the event has beautifully done by Mr. Shailendra V. Madavi (Assistant Professor) and Dr. Pravin R. Kawle (Assistant Professor). Event was organized by Organizing Secretary Mr. Shankesh C. Zyate (Assistant Professor). After the inauguration online Quiz Competition was carried out for the participants. Winners got Cash prize, certificate and memento. Ms. Sanskruti V Ganoje (Shri. R.L.T. College of science, Akola) got first prize. Ms. Arti G Kadu (Shri. R.L.T. College of science, Akola) got second prize, where as Ms. Anuradha A Mahajan (Shri. R.L.T. College of science, Akola) got third prize. Number of Participants for the webinar was 406. For successful organization of the event organising members Dr. Archana Sawalkar (Associate Professor), Dr. Sudhir Kohchale, Dr. Pravin Kawle, Mr. Shailendra Madavi and Mr. Shankesh Zyate has took efforts.



V. D. Nanoty





**National Level E-Workshop on
Organic Farming for Sustainable Agriculture**

Date : 24th March 2021

Sponsored by
Indian Science Congress Association (ISCA)
Amravati Chapter

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



Prof. Anand Bhatnagar
Organic Farming

About E- Workshop

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

**Office bearers of
Indian Science Congress Association,
Amravati Chapter**

- 1. **Dr. Anil K. Bodkhe**
Amravati Chapter Convener, ISCA
- 2. **Dr. Omraj S. Deshmukh**
Treasurer, Amravati Chapter, ISCA
- 3. **Dr. V. R. Deshmukh**
Executive Committee Member,
Amravati Chapter, ISCA
- 4. **Dr. Mahesh P. Chikhale**
Executive Committee Member,
Amravati Chapter, ISCA
- 5. **Dr. Sawan M. Deshmukh**
Executive Committee Member,
Amravati Chapter, ISCA

About Institute

Shri R. L. T. College of Science, Akola affiliated to Sant Gadge Baba Amravati University, Amravati was established under the Bharu General Education Society, Akola on 1st April 1976. The college is accredited by NAAC, AIB, U. Urdw, UGPA, U. D. C. C. The college offers B. Sc., M. Sc., Ph. D. and various educational programmes like C.C.T., D.L.T. and A.M.C.T. It has 14 departments in college i.e. Biochemistry, Microbiology, Physics, Zoology, Botany, Chemistry, Computer Science, Physical Education, Sanskrit, Mathematics and Library. The college is one of the pioneer institutions offering graduate education through distance educational system through various universities and various national and international level. We are proudly declaring that Akola school provides a growing and a rising and has not only educated thousands of youngsters but also has equipped them with great personalities, now working across the globe. We serve the growing educational institutions, qualitative techniques and creating value based globally competent professionals through our diversified efforts. In order to do this we are in the development towards the work of various projects, we keep expanding and will extend local, worldwide, national and international.



About ISCA, Amravati

The Indian Science Congress Association (ISCA) has the premier organization of scientific of the country, has been working towards the advancement and promotion of the cause of science in India. The Amravati Chapter was launched in the year 2005-09. The chapter also undertakes a series of programmes of various occasions to promote scientific temper and popular scientific education in students as well as people in general.

Our Patrons



Dr. Pratik V. Patil
Vice-Chancellor
Sant Gadge Baba Amravati University,
Amravati



Prof. Anand Bhatnagar
President
Indian Science Congress Association,
Amravati Chapter



Dr. S. S. Tashiro
Vice President
The B. G. E. Society, Akola



Dr. P. S. Mahapatra
Hon. Secretary
The B. G. E. Society, Akola

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

Organizing Committee

Chief Organizer



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



Dr. Anand Bhatnagar
General Secretary
Indian Science Congress Association,
Amravati Chapter



Dr. Anand S. Sawarkar
General Secretary
Shri R. L. T. College of Science, Akola



Dr. Sushil R. Anand
General Secretary
The B. G. E. Society, Akola

Members



Dr. Rajendra Bhat
Assistant Professor
Department of Chemistry



Dr. Anand S. Sawarkar
Assistant Professor
Department of Botany



Dr. Anand S. Sawarkar
Assistant Professor
Department of Botany

Technical Support



Dr. Anand S. Sawarkar
Assistant Professor
Department of Computer Science



Dr. Anand S. Sawarkar
Assistant Professor
Department of Physics

Registration

Please use following Google Form link for free registration as participants

Who can Participate

Teachers, Students, Farmers and all Earth lovers.

Registration Link - <https://forms.gle/9C7t5eYDkA8K>

Telegram Group Link - https://t.me/ishcaindian_society

Attraction for Student Participants

Online quiz on Organic Farming

1st Prize
₹ 1000/-

2nd Prize
₹ 700/-

3rd Prize
₹ 500/-

National Advisory Committee

Dr. Anand Kulkarni Sawarkar
Former, General President,
Indian Science Congress Association, Kolhapur

Prof. R. S. Rangnekar
Retired Vice-Chancellor,
Indian Science Congress Association, Kolhapur

Prof. Anand Kumar Sawarkar
President Emeritus,
Indian Science Congress Association, Kolhapur

Dr. S. Ramakrishna
General Secretary (Emeritus),
Indian Science Congress Association, Kolhapur

Dr. Anand K. Jais
General Secretary (Emeritus),
Indian Science Congress Association, Kolhapur

Dr. Shant Naray Prakash
Treasurer,
Indian Science Congress Association, Kolhapur

Contact Details -
Email - organicfarming2021@gmail.com
Contact
Dr. Anand S. Sawarkar Ph. No. - 9820411180
Dr. Sushil R. Kulkarni Ph. No. - 9764336254

Chief Guest and Inaugurator



Dr. R. A. Gulkare
Chairman, Board of Studies in Zoology
S.G.B. Amravati University, Amravati

Speakers



Dr. Mohan B. Wadkar
Associate Professor and Head
Post Graduate Department of Botany,
H. M. College, Bramhapur,
Gadchiroli University, Gadchiroli



Dr. Jyoti R. Rautore
Assistant Professor
ICRIP on Unacad, College of Agriculture, Nagpur,
Dr. PDRV, Akola

Workshop Schedule

11:00 am Inauguration

11:15 am Welcome speech by Principal, Dr. V. D. Pawar

11:30 am Address by Dr. Anil K. Bodkhe, Convener, ISCA, Amravati Chapter

11:40 am Inaugural Speech by Dr. R. A. Gulkare, Chairman, Board of Studies in Zoology, S.G.B. Amravati University, Amravati

11:50 am Speech by Pratik Mahapatra, Hon. Secretary, The B.G.E. Society, Akola

12:00 noon Professional Speech by Prof. Anand S. Sawarkar, President, The B.G.E. Society, Akola

12:10 pm Vote of thanks by Dr. Anand S. Sawarkar

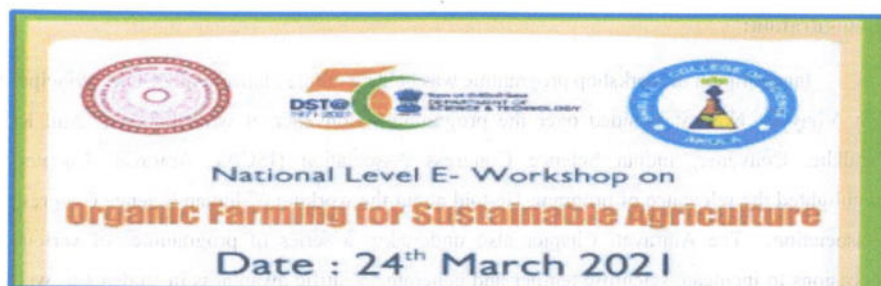
Guidance and Discussion Session

12:15 pm Inaugural Talk by Dr. Mohan B. Wadkar, Topic - Organic Farming - A Sustainable Way

01:00 pm Inaugural Talk by Dr. Jyoti R. Rautore, Topic - Organic Farming Management

01:15 pm Online Quiz for Students

04:00 pm Feedback Form by Participants to get Certificate of Participation



National level online Workshop on Organic Farming for sustainable Agriculture was organized at Shri Radhakisan Lakshminarayan Toshniwal College of Science Akola.

The workshop was sponsored by Indian Science Congress Association, Amravati Chapter.

Introduction:

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

Objectives:

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

Inauguration:

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

Chief Guest and Inaugurator, Dr. Rajiv A. Gulhane, Chairman, Board of Studies in Zoology, Sant Gadge Baba, Amravati University, Amravati, inaugurated the workshop. In his inaugural address he stated that Organic farming aims to produce different crops having high nutritive value. Organic farming is a viable alternative to the adverse effects of overuse of chemical fertilizers on human health. On this occasion, the congratulatory messages of Advocate Motisinghji Mohta, The Hon'ble President of The Berar General Education Society, Akola and Mr. Pawanji Maheshwari, Hon. Secretary, the B. G. E. Society, Akola were broadcast.

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

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

Technical Session:

In the guidance sessions, Dr. Mohan B. Wadekar, Associate Professor and Head Post Graduate Department of Botany, N. H. College Bramhapuri, Gondwana University, Gadchiroli, gave a power point presentation on the topic 'Organic Farming - Sustainable Way'. He gave detailed information about what is organic farming, various methods of organic farming as well as misconceptions about organic farming. He explained that organic farming is the system that favours maximum use of organic material. It is one of the several ways to sustainable agriculture. The other speakers in the guidance session was Dr. Jeevan Katore, Assistant Professor, College of Agriculture, Nagpur, Dr. Punjabrao Deshmukh Krishi Vidyapeeth, Akola. He gave very informative information on the subject of organic farming management

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

Shailendra V. Madavi

Shankesh C. Zyate

Shankesh C. Zyate

Online Certificate Course in Renewable Sources of Energy

Activity Report

"Online Certificate Course in Renewable Sources of Energy"

From 24th June to 29th June 2021.

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

Day wise Students Participation Report:

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

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

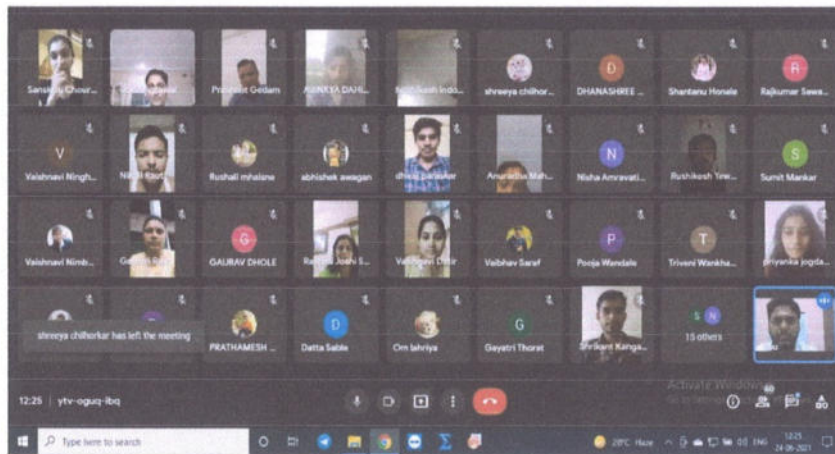
Certificate Copy



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

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

link: <https://youtu.be/19J1q3Dlqcs>

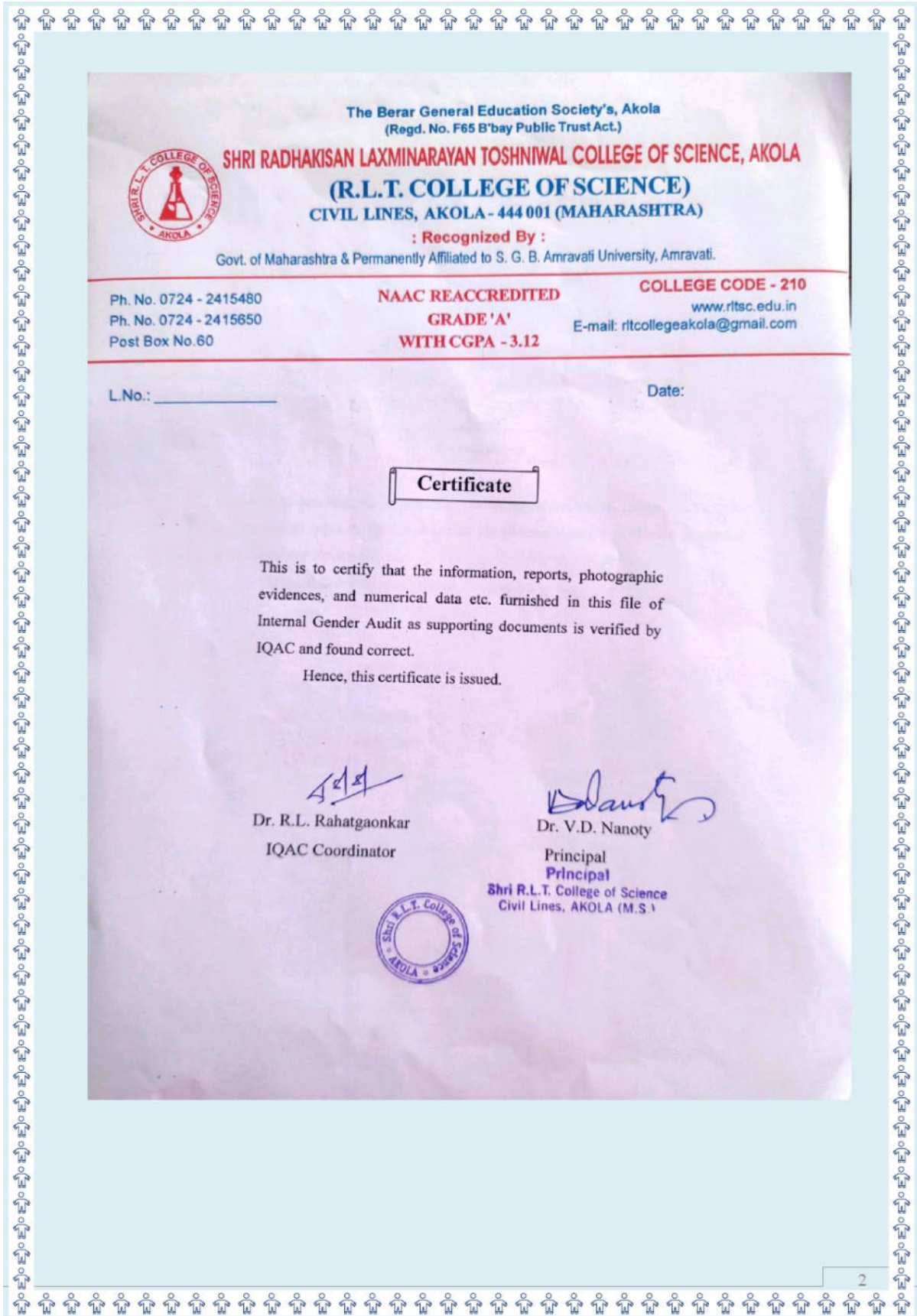


For more details and All Six days Activities, [click this link](#) to download PDF file.

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



**INTERNAL GENDER AUDIT
2017-18 to 2021-22**



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

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

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

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

NAAC REACCREDITED
GRADE 'A'
WITH CGPA - 3.12

COLLEGE CODE - 210
www.rltc.edu.in
E-mail: rltcollegeakola@gmail.com

L.No.: R.L.T. Date: 01/07/2022.

Internal Gender Audit Committee

Composition of Internal Gender Audit Committee Session 2017-18 to 2021-22

The committee of 9 members was composed by IQAC of Shri R.L.T. College of Science, Akola for Internal Gender Audit of the college for the sessions 2017-18 to 2021-22.

The composition of this committee was as under-

Sr. no.	Name	Designation	Sign
1	Dr. Vijay D. Nanoty	Principal	
2	Dr. R.L. Rahatgaonkar	IQAC coordinator	
3	Dr. Sonal Kame	External Gender Auditor	
4	Dr. Asmita Pathak	External Gender Auditor	
5	Dr. Rashmi P. Joshi	Internal Gender Auditor	
6	Dr. Archana S. Sawarkar	Teaching Staff Representative (Member)	
7	Shri C. Ahirkar	Non-Teaching Staff Representative (Member)	

Dr. R.L. Rahatgaonkar
 IQAC Coordinator

Dr. Vijay D. Nanoty
 Shri R.L.T. College of Science
 Civil Lines, Akola (M.S.)

3

INTRODUCTION & OBJECTIVES OF GENDER AUDITING:

Gender mainstreaming wants to contribute towards a gender-sensitive society where solidarity, opportunities and responsibilities are shared by women and men in equal measure. Everyone is to enjoy the life they determine in accordance with their individual skills, their needs and their desires. Women Empowerment and gender equality are one of the primary concerns of Shri R.L.T. College of Science, Akola. To promote gender equality, Annual Gender Sensitization Action Plan is designed to conduct various gender sensitization activities on regular basis.

Objectives:

- To promote gender equality.
- Inclusiveness, tolerance and Harmony among students.
- Staff leading to women empowerment.
- Equal career opportunities for women and men.
- Fair distribution of unpaid and paid work among women and men.
- Equality of women and men.
- Enhancement of gender roles and standards for women and men, elimination of restricting standards
- Same personal freedoms for women and men.

Annual Gender Sensitization Action Plan 2017 to 2022

- To prepare and deploy Students code of conduct that promotes gender equality at the governance level.
- To create and propagate a safe, secure and healthy environment to achieve gender equality and to ensure respectful and dignified behavior at all levels.
- To conduct induction and orientation programmes for the girl students to promote gender sensitization.
- Conduct awareness programmes for the girl students regarding self-defense, AIDs awareness Female Foeticide, etc.
- Promoting activities pertaining to Health, Cleanliness, Personal Hygiene and Nutrition.
- To organize workshops related to Cyber Crime, safety and security especially for the girl students in various departments and the Girls Hostel.
- To organize personality development workshops aiming to deal with the critical situations with courage and presence of mind.
- To review the minutes and action taken reports of the Women Cell Committee, Anti Sexual Harassment Committee, Grievances Redressal Committee and ensures redressals in time.
- Regular problem solving, counselling and encouragement through the Counselling Committee and Guardian teacher scheme.
- To encourage girl students to join NSS and NCC and ensure equal rights and participations in regular cultural activities.
- All the college Committees should include women employees in appropriate numbers.

Criterion 7 – Institutional Values and Best Practices

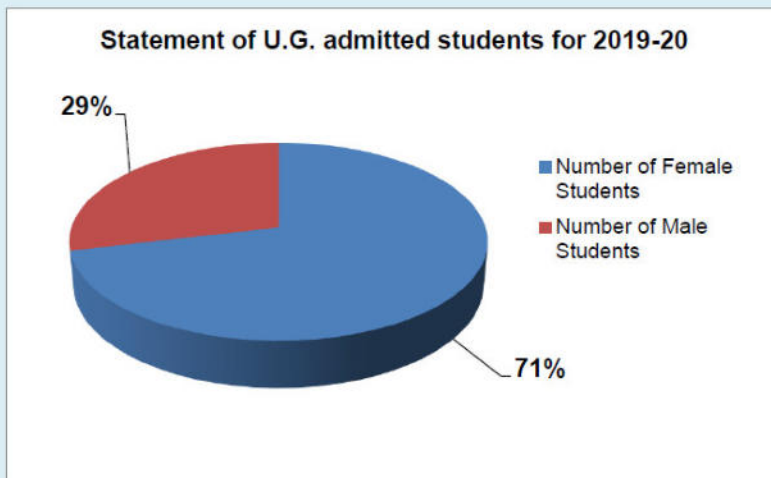
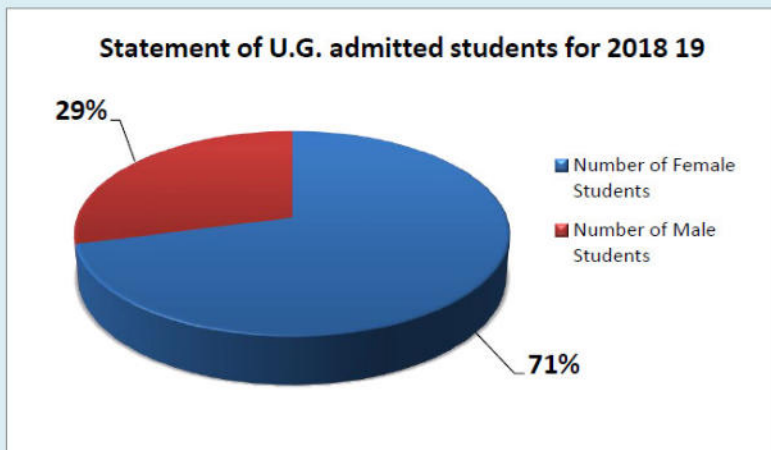
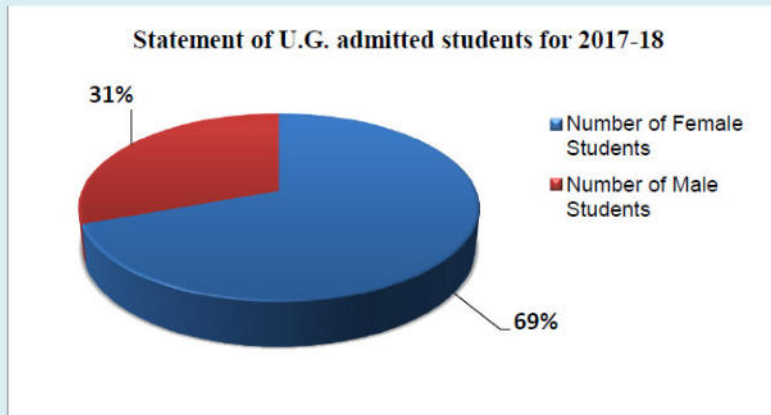
Key Indicator - 7.1 Institutional Values and Social Responsibilities

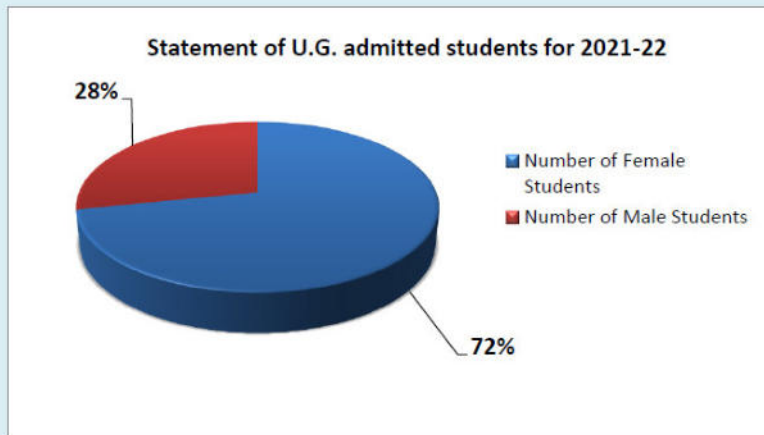
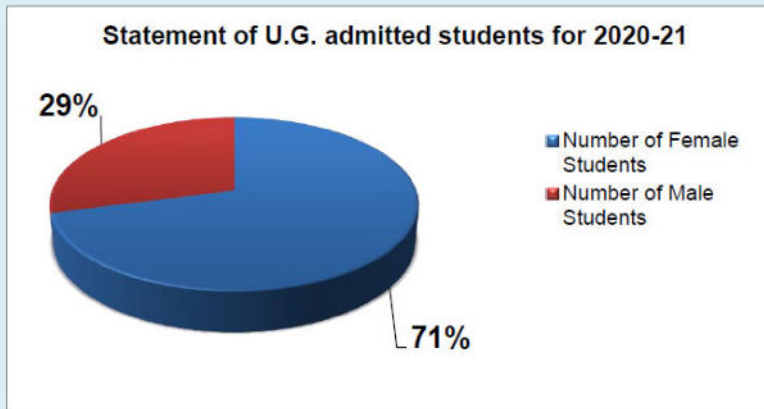
7.1.1 Measures initiated by the Institution for the promotion of gender equity during the year.

INTERNAL GENDER AUDIT REPORT

Statement of U.G. admitted students from 2017-18 to 2021-22

Academic Year	Class in which Students Admitted	Number of Female Students admitted in the year	Number of Male Students admitted in the year	Total No. Of Students in the year
2017-18	B.Sc. I	403	207	610
	B.Sc. II	341	138	489
	B.Sc. III	243	90	333
2018-19	B.Sc. I	444	190	634
	B.Sc. II	367	162	529
	B.Sc. III	290	100	390
2019-20	B.Sc. I	391	145	536
	B.Sc. II	363	155	518
	B.Sc. III	313	130	443
2020-21	B.Sc. I	339	157	496
	B.Sc. II	380	137	517
	B.Sc. III	431	179	610
2021-22	B.Sc. I	392	156	548
	B.Sc. II	286	135	421
	B.Sc. III	374	122	496

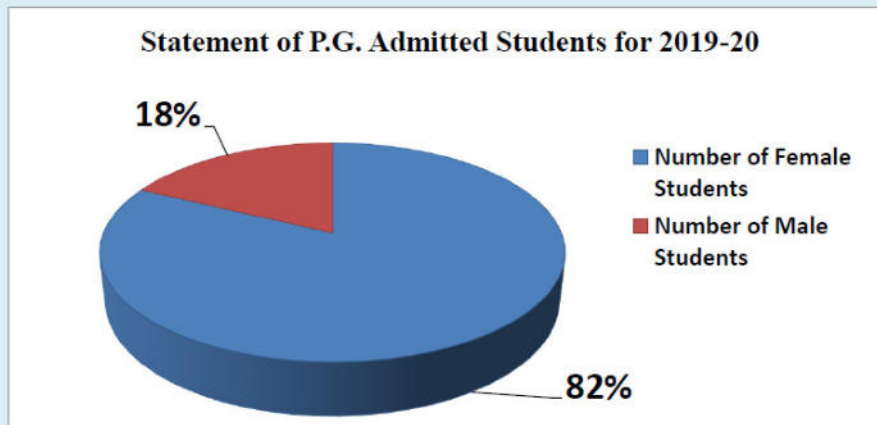
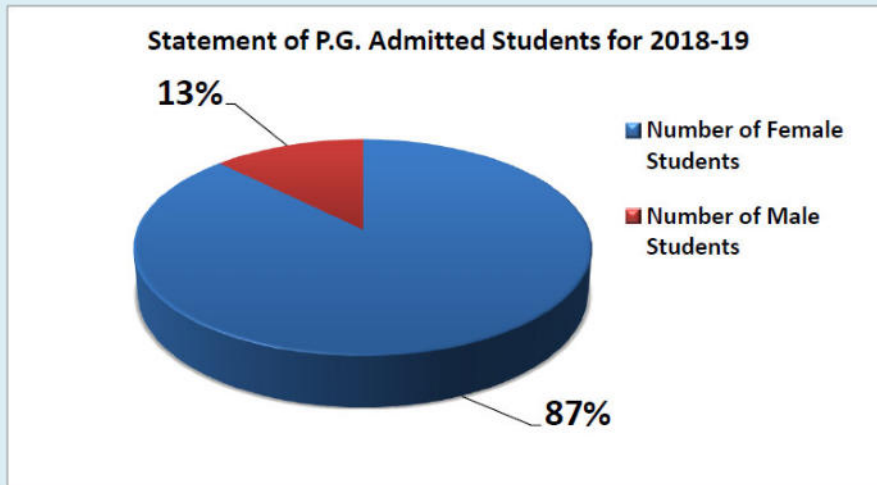
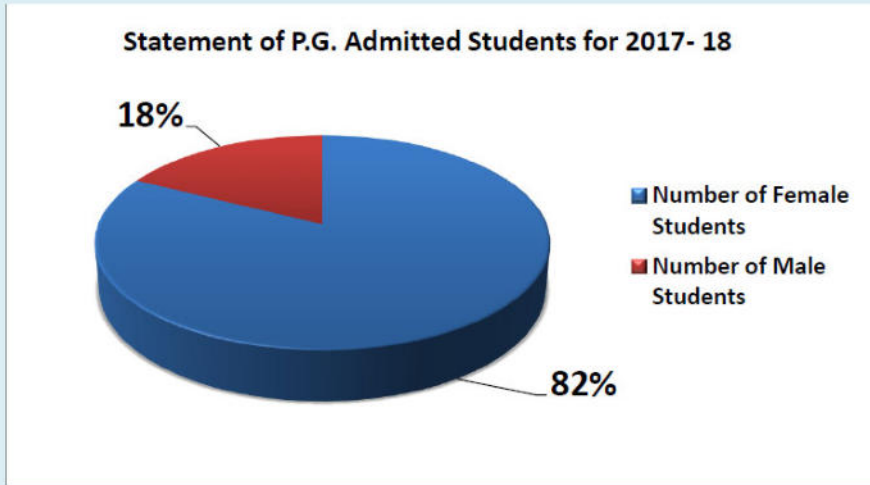


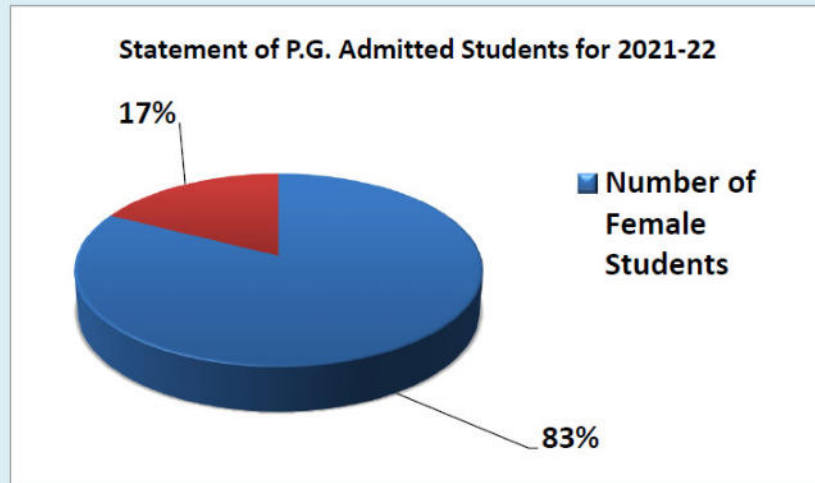
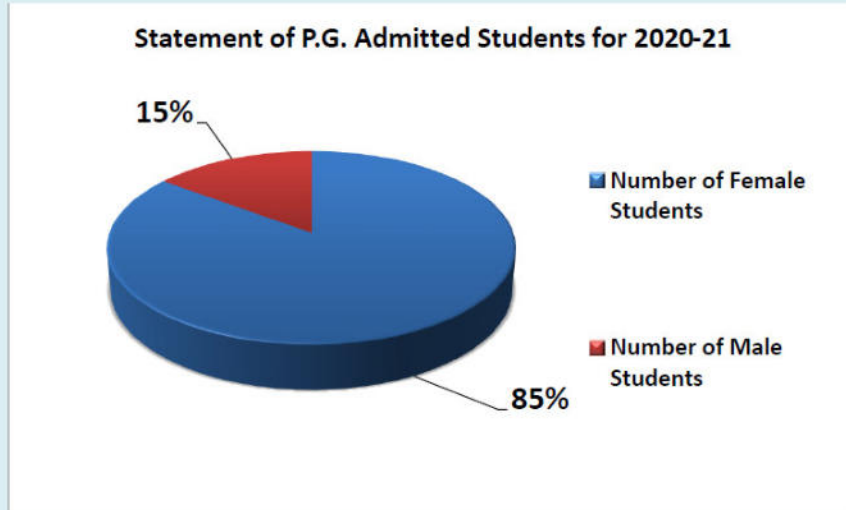


GENDER AUDIT REPORT

Statement of P.G. Admitted Students from 2017-18 to 2021-22

Academic Year	Class in which Students Admitted	Number of Female Students admitted in the year	Number of Male Students admitted in the year	Total No. Of Students in the year
2017-18	M.Sc. I	114	26	140
	M.Sc. II	102	20	122
2018-19	M.Sc. I	121	19	140
	M.Sc. II	116	15	131
2019-20	M.Sc. I	109	30	139
	M.Sc. II	117	19	136
2020-21	M.Sc. I	142	22	164
	M.Sc. II	123	24	147
2021-22 (MSc-I admissions in New 5 more subjects.)	M.Sc. I	256	59	315
	M.Sc. II	141	25	166





Glorious Achievements

MERIT STUDENTS 2017-18



Ms. Dipak S. Khuddekar
2nd Merit in B.Sc.



Ms. Priya V. Wankhade
8th Merit in B.Sc.



Ms. Kanchan Dilip Pangwan
10th Merit in M. Sc. Mathematics



Ms. Ishwari Diliprao Virohkar
19th Merit in M. Sc. Mathematics



Ms. Snehal Kashid
1st Merit in M.Sc. Microbiology



Ms. Shrutii Joshi
4th Merit in M.Sc. Microbiology



Ms. Shobhanga Lupte
5th Merit in M.Sc. Microbiology

MERIT STUDENTS 2018-19



Ms. Namrata Lohiya
5th Merit in B.Sc.



Ms. Kanchan Mangru
1st Merit in M.Sc. (Microbiology)



Ms. Dipali Bhojane
5th Merit in M.Sc. (Mathematics)

MERIT STUDENTS 2019-20



Ms. Janki Deepak Doshmalkh
10th Merit in B.Sc.



Ms. Shradha Hartasankar
1st Merit in M.Sc. Chemistry



Ms. Rohini Greshni
4th Merit in M.Sc. Chemistry



Ms. Anjali Yadav
5th Merit in M.Sc. Chemistry



Kamal Thakare
11th Merit in M.Sc. Chemistry

MERIT STUDENTS 2020-21



Ms. Rajeshwari Chavan
2nd Merit in M.Sc. Microbiology of S. G. B Amravati University



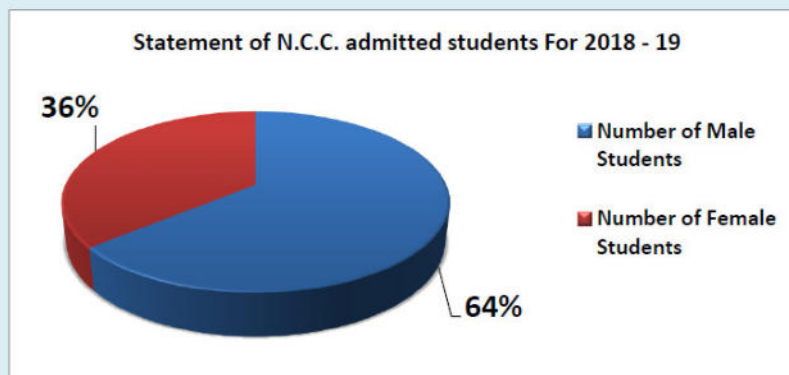
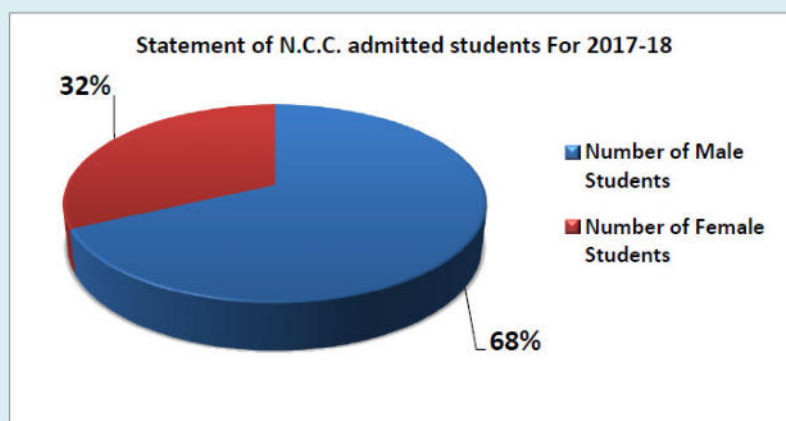
Ms. Anshita Purohitkar
8th Merit in M.Sc. Chemistry of S. G. B Amravati University

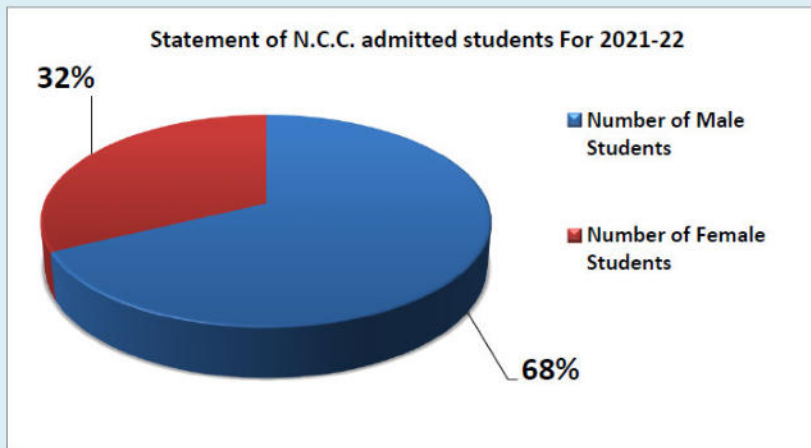
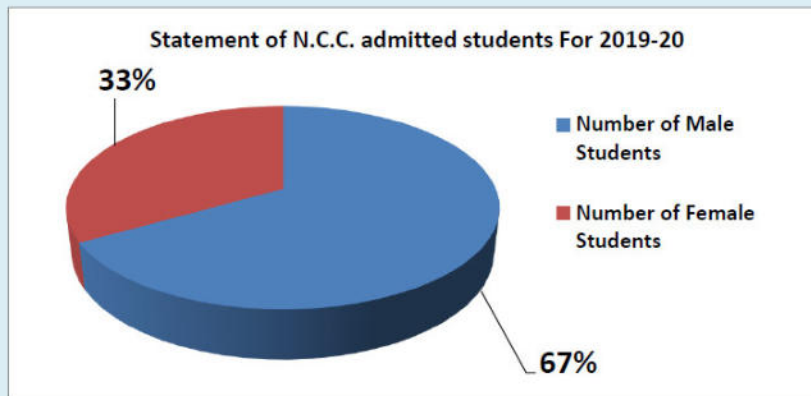
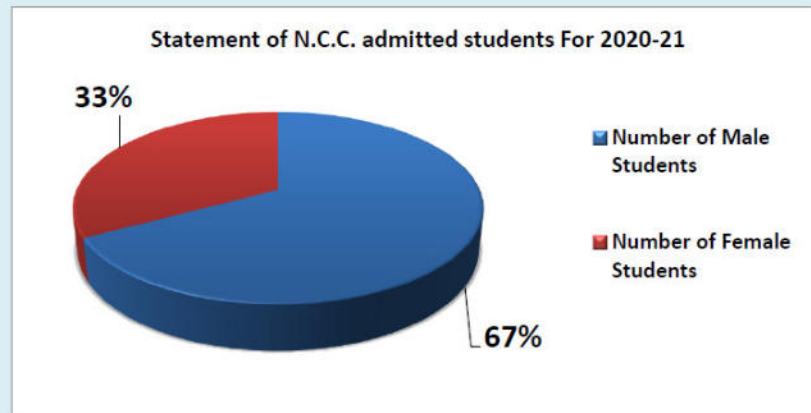


Ms. Sayali Kulkarni
19th Merit in M.Sc. Mathematics of S. G. B Amravati University

INTERNAL GENDER AUDIT REPORT
Statement of N.C.C. admitted students from 2017-18 to 2021-22

Academic Year	Number of Male Students admitted in the year	Number of Female Students admitted in the year	Total No. Of Students in the year
2017-18	34	16	50
2018-19	32	18	50
2019-20	42	21	63
2020-21	53	26	79
2021-22	61	29	90





Glorious Achievements

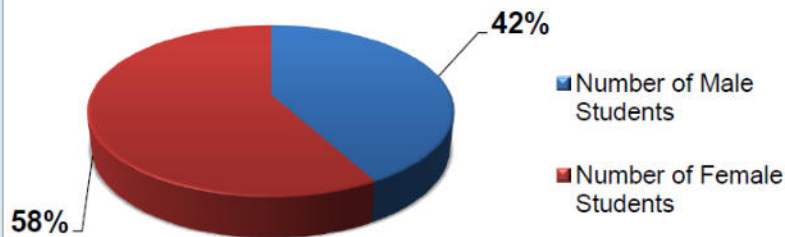
2017-18	TSC Colour Holder (New Delhi)		
		Cdt. Akash Nalwade	Cdt. Ashish Ghumre
2018-19	Thal Sanik Camp (TSC) at New Delhi		
		Shubham Shriwas	Hitesh Joshi
			
		Vishal Janjal	Sangam Ambhore
2019-20	Thal Sanik Camp (TSC) at New Delhi		
		Murnali Wawge	Ahivani Mogre
			
		Ruchika Neware	Gopal Kokne

INTERNAL AUDIT REPORT

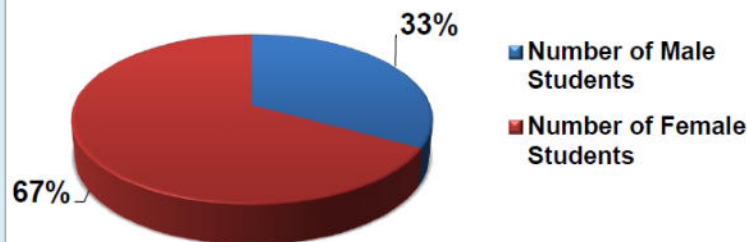
**Statement of National Service Scheme (NSS) admitted students from
2017-18 to 2021-22**

Academic Year	Number of Male Students admitted in the year	Number of Female Students admitted in the year	Total No. Of Students in the year
2017-18	84	116	200
2018-19	66	134	200
2019-20	54	146	200
2020-21	60	140	200
2021-22	54	146	200

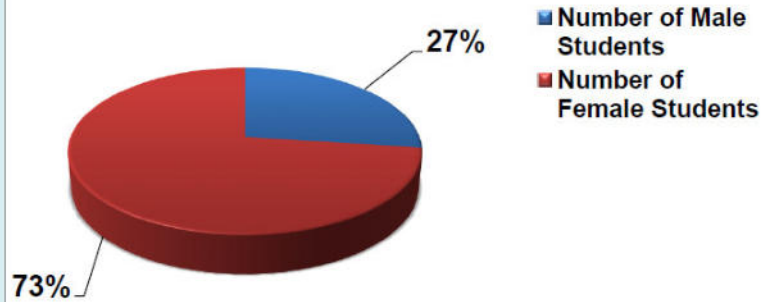
Statement of National Service Scheme (NSS) admitted students for 2017-18



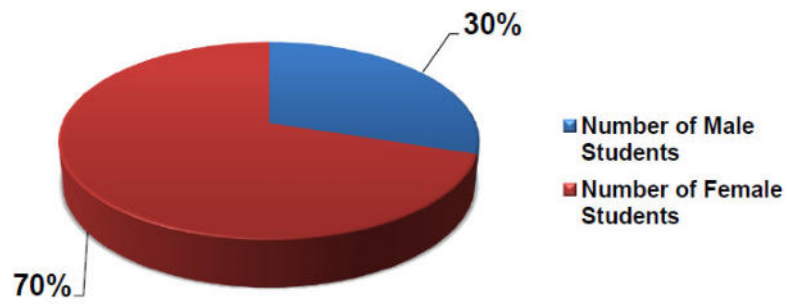
Statement of National Service Scheme (NSS) admitted students for 2018-19



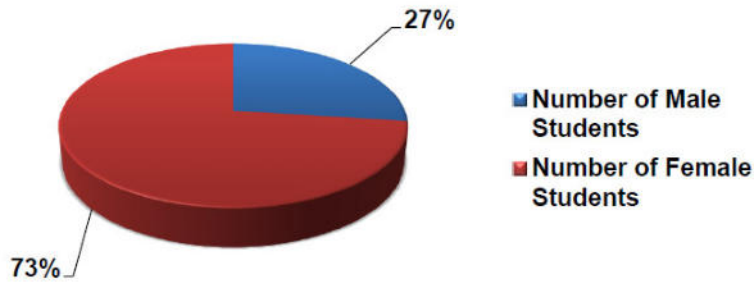
Statement of National Service Scheme (NSS) admitted students for 2019-20



Statement of National Service Scheme (NSS) admitted students for 2020-21



Statement of National Service Scheme (NSS) admitted students for 2021-22



Glorious Achievements

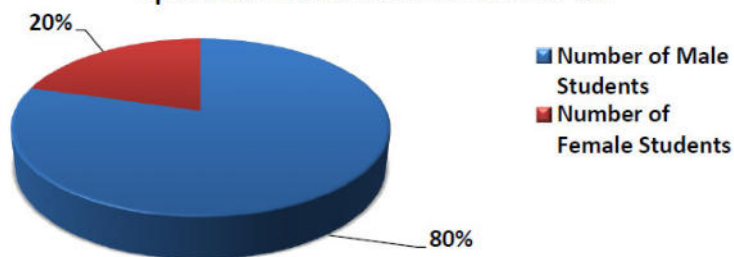
2017-18	State Level Best NSS Volunteer (Colour Coat Holder)	 <p data-bbox="956 716 1110 737">Mr. Atul Raut</p>
2019-20	State Level Best NSS Lady Programme Officer (Colour Coat Holder)	 <p data-bbox="862 989 1203 1016">Dr. Rashmi P. Joshi (Sawalkar)</p>
2019-20	 <p data-bbox="542 1297 841 1381">Mr. Prasad Gulhane Best NSS Volunteer Colour Holder</p>	 <p data-bbox="862 1297 1211 1352">Mr. Bhushan Gawai B.Sc.II Colour Holder</p>

GENDER AUDIT REPORT

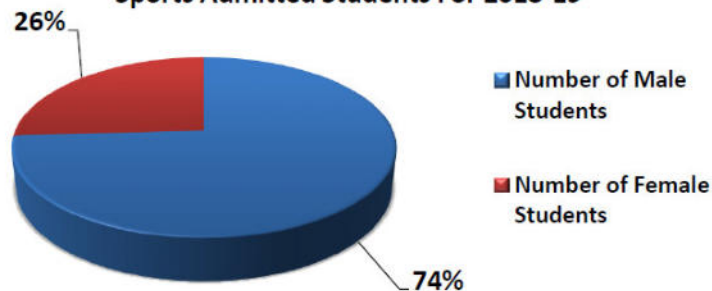
Statement of Department of Physical Education & Sports admitted students from 2017-18 to 2021-22

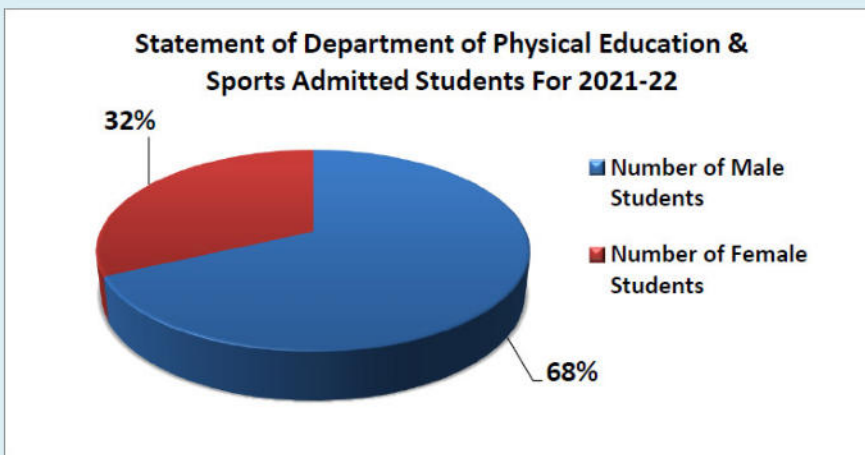
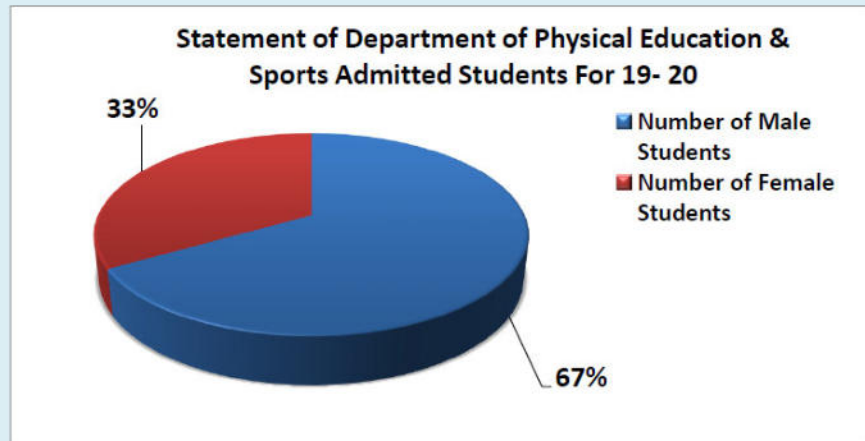
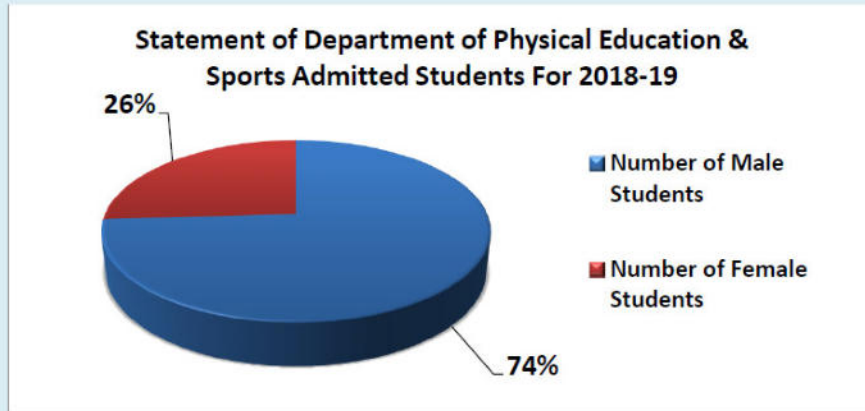
Academic Year	Number of Male Students admitted in the year	Number of Female Students admitted in the year	Total No. Of Students in the year
2017-18	66	17	83
2018-19	77	26	103
2019-20	70	35	105
2020-21	--	--	--
2021-22	34	16	50

Statement of Department of Physical Education & Sports Admitted Students For 2017-18



Statement of Department of Physical Education & Sports Admitted Students For 2018-19





Glorious Achievements

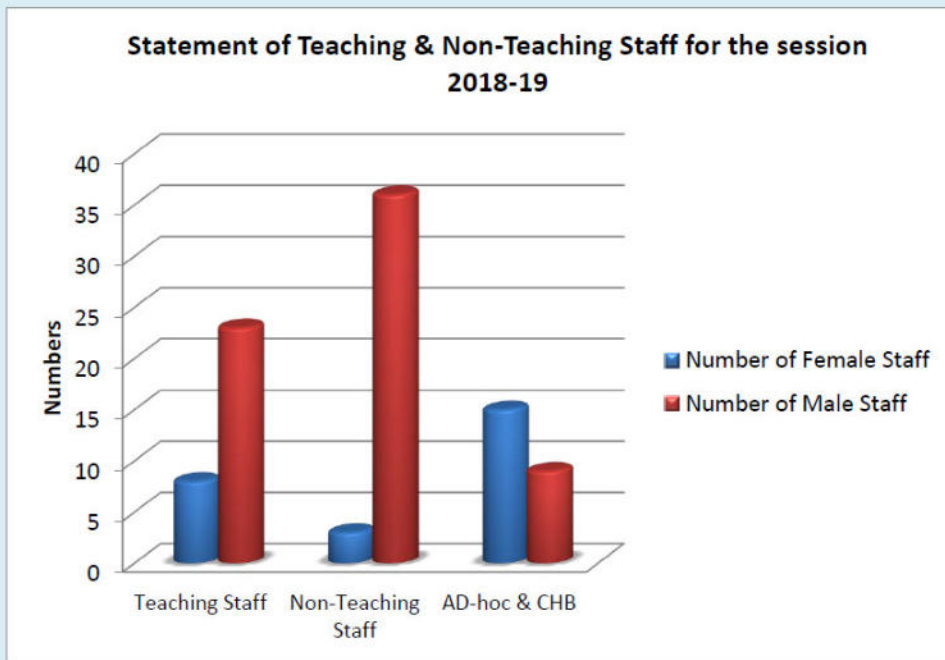
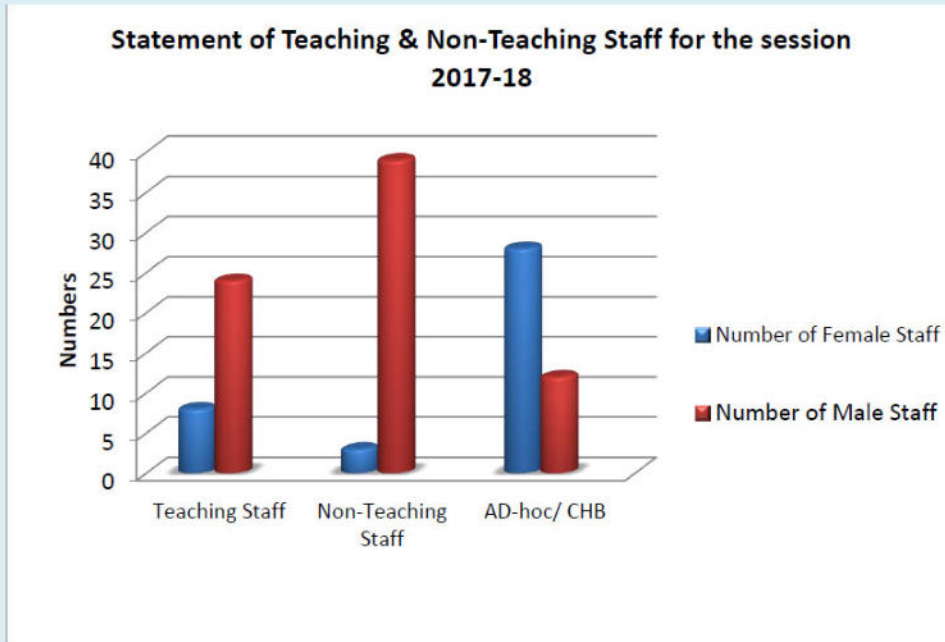
2017-18			
	Ms. Tejal Depak Nerkar, B.Sc. III, Best Sports Women, Colour Coat in Badminton.	Ms. Nikita Ganesh Ambuskar, B.Sc. III, Colour Coat in Wrestling & Judo	Ms. Shivani Manoj Jadhav, B.Sc. II, Colour Coat in Wrestling
			
	Ms. Godavari Murlidhar Raut, B.Sc. II, Colour Coat in Wrestling	Ms. Priya Santosh Kalalkar, B.Sc. II, Colour Coat in Wrestling	Mr. Vaibhab Kailash Karale, B.Sc. II, Colour Coat in Power Lifting
			
Mr. Ruchiket Ashok Pote, B.Sc. I, Colour Coat in Power Lifting			
2018-19			
	Mr. Vaibhab Kailash Karale, B.Sc. III, Best Sportsman	Mr. Kshitij Tiwari, B.Sc. I, Colour in Boxing	Mr. Ruchiket Ashok Pote, B.Sc. II, Colour in Power Lifting

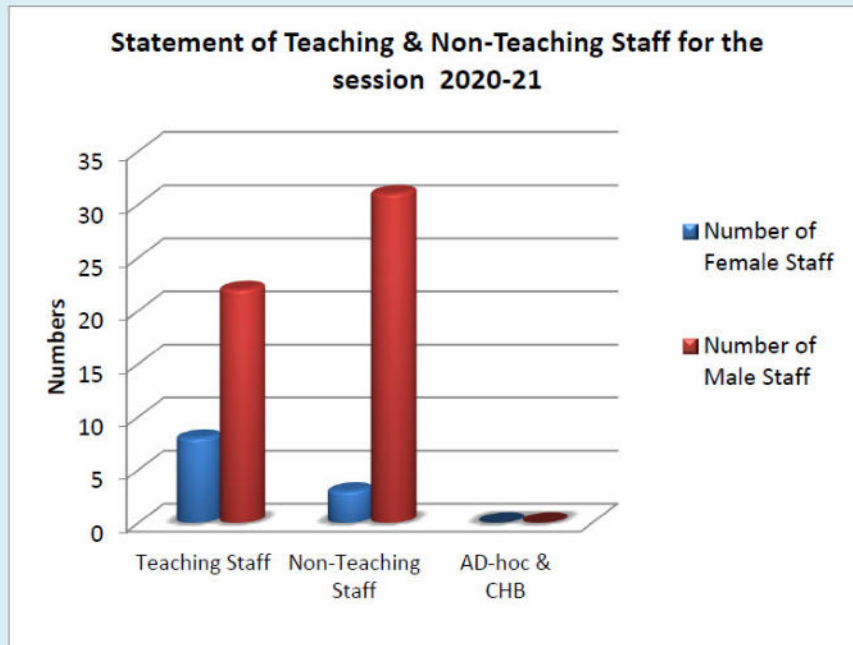
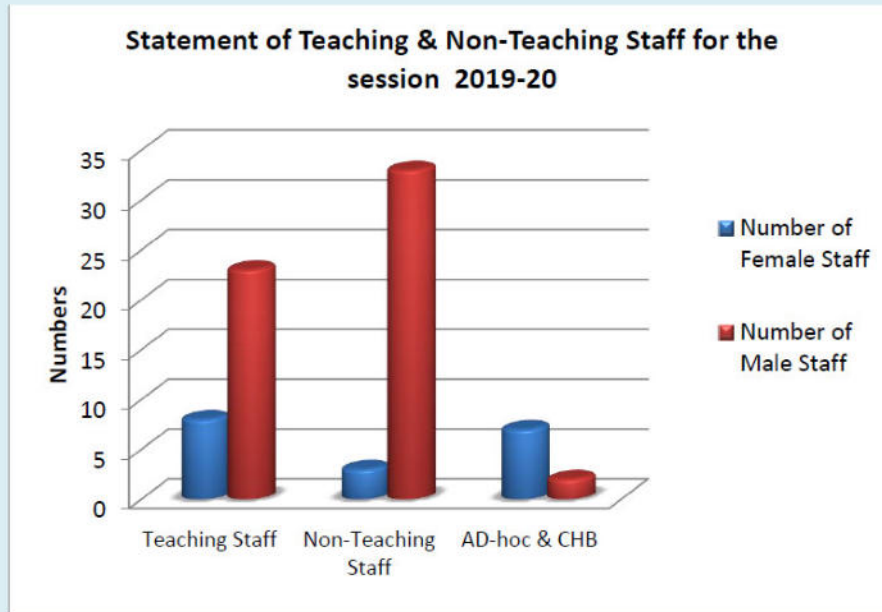
			
	Vaibhab Kailash Karale, B.Sc.III. Colour in Weight Lifting	Ms. Kalyani Sangunwedhe B.Sc. I Colour in Handball.	Ms. Munali Wavge, B.Sc. I , Colour in Kabaddi
			
	Ms. Priya Kalalkar B.Sc.III, Colour in Wrestling	Ms. Shivani Jadhav, B.Sc.III, Colour in Wrestling	Ms. Bhagyashree Choudhary, B.Sc. I, Colour in Wrestling
2019-20			
	Mr. Animesh Deshmukh B.Sc. III Colour Holder in Youth Festival (Theatre)	Mr. Bhushan Gawai B.Sc. II Colour Holder in Youth Festival (Music)	Ms. Kalyani Sangunwedhe B.Sc. II Colour Holder in Handball
			
	Ms. Mrunali Wavge B.Sc.II Colour Holder in Kabaddi (Best Sports Person)	Ms. Bhagyashree Choudhary, B.Sc.II, Colour Holder in Wrestling	

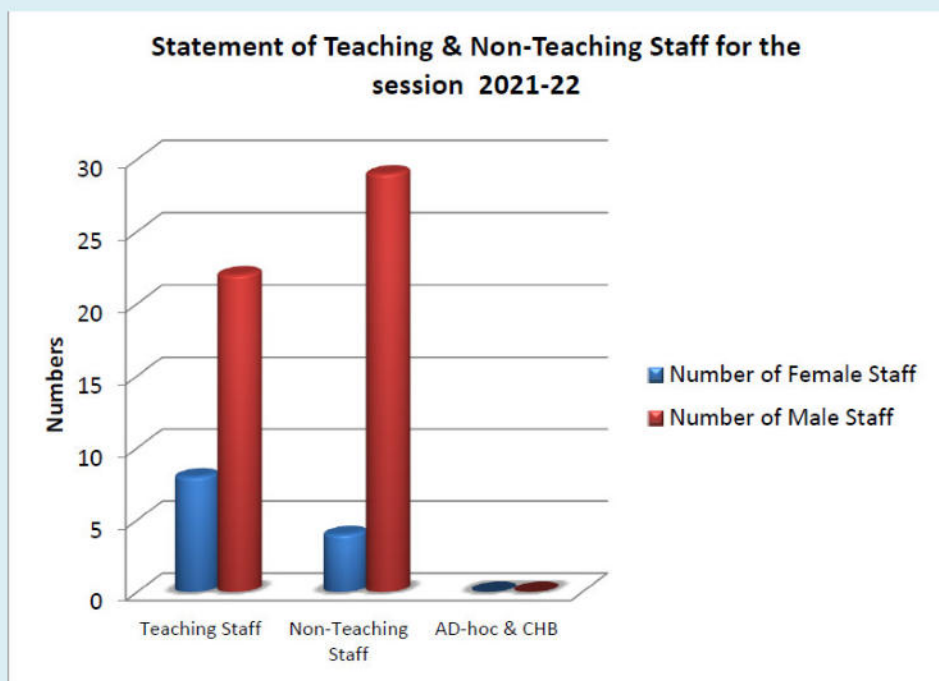
GENDER AUDIT REPORT

Statement of Teaching & Non-Teaching Staff from the session 2017-18 to 2021-22

Academic Year	Staff of the Institute	Number of Female Staff in the year	Number of Male Staff in the year	Total No. Of Staff members
2017-18	Teaching Staff	08	24	32
	Non-Teaching Staff	03	39	42
	AD-hoc and CHB	31	13	44
2018-19	Teaching Staff	08	23	31
	Non-Teaching Staff	03	36	39
	AD-hoc & CHB	20	09	29
2019-20	Teaching Staff	08	23	31
	Non-Teaching Staff	03	33	36
	AD-hoc & CHB	14	03	17
2020-21	Teaching Staff	08	22	30
	Non-Teaching Staff	03	31	34
	AD-hoc & CHB	06	01	07
2021-22	Teaching Staff	08	22	30
	Non-Teaching Staff	04	29	33
	AD-hoc & CHB	10	03	13







Conclusion:

- Internal gender audit for last 5 years from 2017-18 to 2021-22 of Shri R.L.T. College of Science, Akola has proved to be a good institute promoting various gender equality Programmes. After analyzing the data, it has been reported that in last 5 years statement of UG and PG admissions showed that every year there is average of 70% girls and 30% boys (in a ratio of 3: 1).
- The merit list of last 5 years shows dominance of female students. In the race of research convention "AVISHKAR" of past 3 years the dominance of female candidates has been reported.
- The Internal gender audit of National Cadet Corps (NCC) of past 5 years statement of admission shows average 33% of female and 67% of male candidates. Though NCC is male dominant activity, the Color Holders in the year 2017-18 to 2019-20 were recorded as 7 boys and 3 girl students.
- The Internal gender audit of National Service Scheme (NSS) unit in the last 5 years shows continuous increase in number of female students than male. Participation of

students in social activities in past 5 years under NSS has been recorded as 42% of boys and 58 % of girls in the year 2017-18. Gradual increase in the number of girls with boys has been recorded as 27% of boys and 73% of girls in the year 2021-22.

- The Internal Gender Audit of Department of Physical Education and Sports (DPES) shows moderate increase in number of females in past 5 years. In the year 2017-18 it has been reported that out of total admissions, 20% were females and 80% were males which has been found increased up to 32% females and 68% males in the year 2021-22. The achievements or Color Holder of DPES in the years 2017-18 to 2019-20 shows dominance of girls every year.
- Analysis of the teaching staff, non-teaching staff, Ad-hoc and C.H.B. teachers in last 5 years has been recorded and found that in the year 2017-18 the ratio of female and male teaching staff was in 1:3 ratio and which has been found slightly increased in the year 2021-22. The gender audit of non-teaching staff has been reported moderately increased in the last 5 years. The gender audit of Ad-hoc and C.H.B. teachers has been recorded as 31 females and 13 males in the year 2017-18 which has been found to be 10 females and 3 male teachers which shows gradual increase.

The entire gender audit for the last 5 years from 2017-18 to 2021-22 of Shri R.L.T. College of Science, Akola shows gender equality by promoting various gender sensitization activities on regular basis. Inclusiveness, Tolerance and Harmony among students was observed. The institute leads for women empowerment with equal career opportunities for women and men. Equality of women and men has been observed with same personal freedoms for women and men.



“Distribution of Fruits, Biscuits and Mask” by women cell on Friday 18th Feb. 2022



Shri R.L.T. College of Science, Akola
Report –Women’s Cell
(For 2017 – 2018)

The Women’s Cell executed its work as follows –

- The Women’s Cell was formed on 05.07.17 when the regular theory and practical classes started in the academic session 2017-18.
- Care was taken by the Women’s Cell members for the comfort of the students by providing a safe vehicle parking, maintaining the cleanliness of the campus etc.
- The Principal Dr. V.D. Nanoty addressed the students of B.Sc. I on 10.07.2017 and M.Sc. I on 24.07.2017 separately to make them acquainted with the college and its rules. He stressed the importance of discipline, punctuality and hard work to acquire good grades in the University Semester Examination Pattern. The whole college premises are under observation of CCTV cameras by the principal.
- The suggestion box has been fixed near the Principal’s office to collect girl’s grievances. The Women’s Cell circulated the notice for girl students to drop their suggestions, grievances in suggestion box. During this session the box was open four times in the months of August, September, January and March. Most common complaints received were about the maintenance of girl’s common room and about the refill of sanitary napkins in vending machine.

Complaints were conveyed to Principal and with the help of nonteaching staff complaints were resolved.

- Due to the Vigilance of the committee members together with all the staff members, the curricular as well as extra-curricular activities were carried out in a peaceful atmosphere in the college.
- To aware all the girl students of the college about Rubella, Women’s cell organized a program “**Rubella Vaccination for women**” on Friday 13th Oct.2017 at 2.00pm in auditorium hall of the college.

President for this program was Mrs.Devyanitai Chaudhari, President, Women Welfare committee, B.G.E. Society, Akola. Gynaecologist Dr. Mrs. Bharati Rathi was invited to talk on the topic Rubella and to answer the queries of students. Ms. Kshirsagar, Mahila BalKalyan Vikas, Akola was invited to give the information to students about the various government schemes for vaccination.

Dr. Rathi gave a very knowledgeable and important speech on this occasion. She explained the Rubella disease. She talked on its causes, its symptoms, complications and treatment. She focused on “Why Rubella vaccine is important for girls before pregnancy?”. She answered the various queries of students. Ms. Kshirsagar gave the information about the various government schemes for rubella vaccination campaign. Both experts motivate the students for Rubella vaccination. In Presidential speech Mrs. Chaudhary motivate the students for Rubella Vaccination.

- In Mahila Melawa at NSS camp Women’s cell in collaboration with Holi Basil Club, Department of Botany organized “**Raan Bhaji exhibition**” on Tuesday 9th January 2018. The program was started with exhibition of different types of Raan Bhaji made by rural women. In this exhibition total 20 women participated. They cooked various types of Raan Bhaji.


Chairperson of Women's cell Asst. Prof. Ms. S.B.Tadam was the president for this exhibition. Experts from Botany department, H.O.D. and Asst. Prof. Mrs. Vaishali Badgular and Asst. Prof. Dr. Mrs. Anjali Sangole were invited to talk on the topic Raan Bhaji and to answer the queries of students and the rural women. Dr. Archana Sawarkar, Dr. Poonam Agrawal, Dr. K. M. Heda were invited as chief guest for this function.

Mrs. Vaishali Badgular gave a very knowledgeable and important speech by using power point presentation on this occasion. She talked on different types of green vegetables. She focused on medicinal properties of Raan Bhaji. She answered the various queries of students and rural women. Mrs. Badgular and Dr. Mrs. Sangole judges the Raan Bhaji made by rural women and selected best three Raan Bhaji. Winners were felicitated by prizes. In Presidential speech Asst. Prof. Ms. S.B.Tadam motivate the students and rural women for healthy diet. She encouraged the students to explore the nutritional facts about these precious vegetables.


- Chairperson Asst. Prof. Ms. S.B. Tadam and member Asst. Prof. Dr. K. M. Heda participated in Swachhha Morna Abhiyaan on Saturday 10th February 2018.
- Women's Cell member Asst. Prof. Dr. K. M. Heda attended one day University level workshop "Bharatiya Sanskrutee Sanvardhanamadhya Striyanche Yogdaan" on Tuesday 23rd Jan. 2018 at Kisanlal Nathmal Goenka Arts and Commerce college Karanja lad, Dist. Washim.

Committee Members:

1	Asst. Prof. Ms. S. B. Tadam	Chairperson
2	Asst. Prof. Dr. Mrs. K. M. Heda	Faculty Member
3	Asst. Prof. Dr. Mrs. A. A. Sangole	Faculty Member
4	Mr. K.Y. Patil	Non Teaching Employee
5	Smt. J. A. Gite	Non Teaching Employee
6	Adv. Manisha Kulkarni	External NGO
7	Ms. Nikita Ambuskar	UG Student Representative
8	Ms. Manisha Dhore	PG Student Representative
9	Ms. Priti Umkar	Research Scholars representative


Chairperson
(Asst. Prof. Ms. S. B. Tadam)




Principal
(Dr. V.D. Nanoty)

Workshop on 'Student's safety and Safety measures'

Date: 21/12/2018

The National Service Scheme team of Shri R.L.T. College of Science, Akola organized the one-day workshop on 21 December 2018 in the Special NSS Camp at adopted village Aapoti (Khurd). The workshop was in collaboration of Cyber Cell, Akola Police. The speakers for the programme were Shri Gopal Mukunde and Shri Vishal More, Police Constable, Damini Scod Akola. They delivered their lecture on "Students Safety" and "Precautionary Safety Measures" for the students. They warned the NSS Volunteers and the students of the school from the gram Aapoti about "Cyber Crime and Students". How to use internet safely? How to upload the posts on social media through Android phones etc. 57 female and 43 male volunteers as well as number of school students from the gram Aapoti got valuable information regarding their safety.



Dr. Rashmi P. Joshi
Activity Coordinator

Dr. R.L. Rahatgaonkar
IQAC Coordinator

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

District Level Workshop on “Cyber Crime & Women Safety”

Date: 20/07/2018

The workshop was organized by Shri R.L.T. College of Science, Akola in collaboration with District Police, Akola. The Welcome speech was delivered by Principal Dr. V.D. Nanoty. Chief Guest, Mr. Vijaykantji Sagar, Additional Superintendent of Police, Akola Dist. delivered his introductory speech and gave valuable guidance to the students about women empowerment and safety. Mr. Vishal More and Mr. Gopal Mukunde delivered their lectures on the topics “Social Media and Students” and “The Precautionary Measures while using Social media”. Miss. Chhaya Wagh, P.S.I. spoke on “Good Touch-Bad Touch”. She awared the girl students by giving many examples and told them about the precautions to be taken for sexual harassments, eve teasing and about the ‘POSCO Act, 2012’.

Dr. R.B. Heda, President, The B. G. E. Society Akola, Adv. Motisingji Mohta, Honorary Secretary, The B. G. E. Society, Akola, Shri Vijaykantji Sagar, Additional S. P., Akola, Dr. Sanjay Tidke, District coordinator N.S.S. Akola, Miss. Chaaya Wagh, P.S.I. and Chief of Damini Squad, Akola, Mr. Vishal Morey and Mr. Gopal Mukunde, S.W.A.S. Team, Akola Police were present on the dais. About 265 participants including 160 female and 105 male candidates attended the workshop.

The coordinator of the workshop Dr. Rashmi P. Joshi (Sawalkar) was felicitated for organization of this best workshop by the hands of Hon. State minister Dr. Ranjitji Patil, in the Valedictory Function of “JANANI 2 Campaign” organized by Akola District Police Dal.



Mr. Vijaykantji Sagar, Add. S.P., Akola Police and Dignitaries on the dais



Felicitated by the hands of Hon. State Minister Dr. Ranjitji Patil for organizing the best workshop with “Janani 2” team.

Dr. Rashmi P. Joshi

Coordinator of workshop

Dr. R.L. Rahatgaonkar

IQAC Coordinator

Dr. V. D. Nanoty
Principal

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

Shri R.L.T. College of Science, Akola
Report – Women’s Cell & Internal Complaint Committee (ICC) 2018-19

The Committee executed its works as follows –

- As per the guideline about the formation of Internal Complaint Committee (ICC) given by Maharashtra State Commission for women, Mumbai, Women’s Cell & ICC was composed on 03.07.18 in Shri R.L.T. College of Science, Akola when the regular theory and practical classes started in the academic session 2018-19.
- Care was taken by the committee members for the comfort of the girl students by providing a safe vehicle parking, maintaining the cleanliness of the campus etc.
- The Principal Dr. V.D. Nanoty addressed the students of B.Sc. I on 16.07.2018 and M.Sc. I on 23.07.2018 separately to make them acquainted with the college and its rules. He stressed the importance of discipline, punctuality and hard work to acquire good grades in the University Semester Examination Pattern. The whole college premises are under observation of CCTV cameras by the principal.
- The suggestion box has been fixed near the Principal’s office to collect girl’s grievances. The Women’s Cell & ICC circulated the notice for girl students to drop their suggestions, grievances in suggestion box. During this session the box was open five times in the months of August, September, October, January and March. Most common complaints received were about the maintenance of girl’s common room and about the refill of sanitary napkins in vending machine.

Complaints were conveyed to Principal and with the help of nonteaching staff complaints were resolved.


- Five girl students of the college 1]Ms. Trupti R. Ugale 2]Ms. Neha B. Deshmukh 3]Ms. Pritee D. Thakare 4]Ms. Megha S. Bhatkar 5]Ms. Snehal D. Pophali were participated in the Intercollegiate Jyotirmayi “Yuvati Sakshamikaran Karyashala and Poster Competition” on the topic “Know Thyself” at Shankarlal Khandelwal Arts, Commerce and Science College, Akola on 28th August 2018.
- In NSS camp Women’s cell in collaboration with NSS organized Mahila Melawa on 8th Jan. 2016 .The function was presided by Asst. Prof. Ms.S.B.Tadam, Chairperson of the Committee. Guest of honours for this function was Asst. Prof. Dr.A.S.Sawarkar and Asst. Prof. Mrs. V.N.Badgujar, H.O.D. dept. Of Botony. The dais was graced by NSS Program Officer Dr. Rashmi Joshi, Asst. Prof. Ms. Sonali Gawande and committee member Smt. J.A. Gite. Dr.A.S.Sawarkar addressed the women villagers and girl students on women’s education.
With the aim of rural women entrepreneurship, students of M.Sc. Chemistry trained the rural women to make paper bags. Presidential speech was delivered by Ms.S.B.Tadam. She focused on the topic”Shikshanala Sanskarachi

Jod". In her speech she briefly explain the history, importance of women's education. The Program was conducted by Ms. Sonali Gawande. Vote of Thanks was delivered by Dr. Rashmi Joshi.

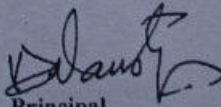
- Due to the vigilance of the committee members together with all the staff members, the curricular as well as extra-curricular activities were carried out in a peaceful atmosphere in the college. **There was no complaint of sexual harassment among the students and staff till date.**

Committee Members:

1. Ku. S.B. TadamChairperson
2. Dr. K.M. Heda Member
3. Dr. A.A. Sangole Member
4. Shri. K.Y.Patil.....Member
5. Smt. J.A. Gite.Member
6. Adv. Manisha Kulkarni..... Member (N.G.O.)
7. Ku.Nikita UpadhyeMember
(Student Representative-UG)
8. Ku. Kanchan Mangatani..... Member
(Student Representative-PG)
9. Ku. Pritee Umarkar..... Member
(Student Representative-Research Scholar)


Chairperson
(Asst. Prof. Ms. Sujata B. Tadam)




Principal
(Dr. V.D. Nanoty)

Shri R.L.T. College of Science, Akola
Report –Women’s Cell & Internal Complaint Committee (ICC) 2019-20

The Committee executed its works as follows –

- As per the guideline about the formation of Internal Complaint Committee (ICC) given by Maharashtra State Commission for women, Mumbai, Women’s Cell & ICC was composed on 10.07.19 in Shri R.L.T. College of Science, Akola when the regular theory and practical classes started in the academic session 2019-20.
- Care was taken by the committee members for the comfort of the girl students by providing a common room for girl students, a separate vehicle parking, maintaining the cleanliness of the campus etc. The whole college premises are under observation of CCTV cameras by the principal.
- The Principal Dr. V. D. Nanoty addressed the students of B.Sc. I on 15.07.2019 and M.Sc. I on 23.07.2019 separately to make them acquainted with the college and its rules. He stressed the importance of discipline, punctuality and hard work to acquire good grades in the University Semester Examination Pattern.
- The flex of ICC and suggestion box has been fixed near the Principal’s office to collect girl’s grievances. The Women’s Cell & ICC circulated the notice for girl students to drop their suggestions, grievances in suggestion box. During this session the box was open four times in the months of July, September, January & March. Most common complaints received were about the maintenance of girl’s common room and about the refill of sanitary napkins in vending machine.

Complaints were conveyed to Principal and with the help of nonteaching staff complaints were resolved.

- Two committee members of Women’s Cell & ICC Dr. K.M. Heda and Dr. A.A. Sangole attended one day State Level Workshop on “Sexual Harassment of Women in the workplace (Prevention and Prohibition)Act-2013, at S.G.B.A.U. Amravati on 3rd December 2019.
- On the occasion of International Women’s day, the Internal Complaint Committee and Women’s cell of Shri R.L.T College of Science, Akola organized a program “Celebration of International Women’s day” on Saturday 7th March 2020 in auditorium hall of the college.

President for this program was Principal Dr. V. D. Nanoty. The chief guests for this program were nutritionist Dr. Anjali Rajwade, Smt. R.D.G. College for Women Akola and Prof. Sharada Biyani, Smt.L. R.T. college of Commerce, Akola. In the introductory speech, Chairperson of Women’s Cell and ICC, Dr. Sujata Tadam, gave details about the series of programs that were to be taken on occasion of the International Women’s day. Also she explained the work of ICC in college.

To give tribute to great women of India and to inspire girl student of our college to achieve the success in life, ICC & Women’s Cell in collaboration with Department of Chemistry organized a program “A Tribute to Great Women of India” on the eve of International Women’s day.

From this year Women’s Cell and ICC started to honour all colour coat holder girl students of the college by giving them “Women’s Champions of Shri

R.L.T. College of Science, Akola". During this session following students were honoured by "Women's Champions of Shri R.L.T. College of Science, Akola".

- | | |
|----------------------------|------------------------|
| 1. Ms. Ruchika Neware | 2. Ms. Ashwini Mogare |
| 3. Ms. Mrunalini Wawage | 4. Ms. Shraddha Akhare |
| 5. Ms. Kalyani Sangunwadhe | |

Dr Anjali Rajwade gave the information and informed about the health disorders in anaemia which is quite common in women and girls and guided on the eating habits which can prevent causing anaemia. She also explained how to take care of our body and guided on how to balance wellness of our body. She also solved the queries of girl students related to health.

Prof. Sharada Biyani emphasised on how to develop and build one's personality and also talked about women's contribution and importance in the society. Also she focused on the need of women and students safety and safety measures. She appealed the students to use what's App and Face book properly. She encouraged the students to become daring, confident, fit and fine.

In the Presidential speech, Dr. V. D. Nanoty congratulated all the committee members for organising such a wonderful program that would be held helpful to all the women and students in near future. He gave the assurance about the safety of women staff member and students of this college.

- Due to the vigilance of the committee members together with all the staff members, the curricular as well as extra-curricular activities were carried out in a peaceful atmosphere in the college. **There was no complaint of sexual harassment among the students and staff till date.**

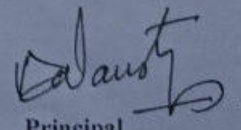
Committee Members:

1. Dr S.B. TadamChairperson
2. Dr. K.M. Heda Member
3. Dr. A.A. Sangole Member
4. Shri. K.Y.Patil.....Member
5. Smt. J.A. Gite.Member
6. Adv. Manisha Kulkarni.....Member (N.G.O.)
7. Ku. Aarti D. Katore.....Member (Student Representative-UG)
8. Ku. Jayantika Sharma..... Member (Student Representative-PG)
9. Ku. Pritee Umkar..... Member
(Student Representative-Research Scholar)


Chairperson

(Asst. Prof. Ms. Sujata B. Tadam)




Principal

(Dr. V.D. Nanoty)

Shri RLT College of Science, Akola

Department of Microbiology

One Day Workshop on Eco friendly Ganesha idol Preparation

Date: 28/08/2019

On the occasion of Golden Jubilee year MICRANS and Department of Microbiology in collaboration with Department of Social Forestry & Nisarg Katta, Akola organized "One day workshop on Eco-friendly Ganesha Idol preparation" on 28-08-2019. In this workshop students got training about plaster and chemical free idol preparation. Around 110 School and college students of Akola city participated in event. Chief guest of Function was Shri Rajesh Khawale, deputy collector akola. Event was blessed with presence Distinguished personalities like Adv. M.G. Mohta, Hon. Secretary BGE Society, Shri Praksh Mukund Education officer Akola, Dr. V.D. Nanoty Principal Shri RLT College, Mr. Amol Sawant Founder of Nisargkatta. In same event Rs five thousand donated by MICRANS for Maharashtra flood victims. Dr. Harish Malpani organising secretary of workshop, Dr. U. K. Bhalekar, Ms. S.N. Gawande, Ms. P.T. Agrawal, Dr. R. L. Rahatgoankar took efforts for making event successful.



Dr. R. L. Rahatgaonkar
TOAC Co-ordinator

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

Dr. H.S. Malpani
Co-Ordinator

SHRI R. L. T. SOCIETY
Shri. R. L. T. College of Science, Akola
 NAAC re-Accredited by "A" Grade (CGPA-3.12)
 2019-2020

**One day Workshop on
 Eco Friendly Ganesha Idol Preparation**

**Organised by
 Department of Microbiology & Internal Quality Assurance Cell
 (IQAC)**

**In collaboration with
 Nisarg Katta, Akola
 28/08/2019**

Sr. No.	Name	Institute
1	MS. AVANTI M. DESHMUKH	R. L.T. SCI. COLLEGE
2	MS. JANHAVI N. MULAY	R. L.T. SCI. COLLEGE
3	MS. VAISHNAVI S. RAUT	R. L.T. SCI. COLLEGE
4	MS. VAISHNAVI P. RAUT	R. L.T. SCI. COLLEGE
5	MS. MEGHA SHARMA	R. L.T. SCI. COLLEGE
6	MS. ARPITA POPHALE	R. L.T. SCI. COLLEGE
7	MS. NIKITA TAYADE	R. L.T. SCI. COLLEGE
8	MS. VAISHNAVI R. TAYADE	R. L.T. SCI. COLLEGE
9	MS. PRIYANKA J. SHARMA	R. L.T. SCI. COLLEGE
10	MS. NEHA S. PHAPHAT	R. L.T. SCI. COLLEGE
11	MS. PRIYA PAWAR	R. L.T. SCI. COLLEGE
12	MS. ADITI S. RAUT	R. L.T. SCI. COLLEGE
13	MS. SIMRAN A. SACHDEO	R. L.T. SCI. COLLEGE
14	MS. SIMRAN GURBANI	R. L.T. SCI. COLLEGE
15	MS. NISHA A RATHOD	R. L.T. SCI. COLLEGE
16	MS. AYUTI A. SONE	R. L.T. SCI. COLLEGE
17	MS. APEKSHA S. DHANWADE	R. L.T. SCI. COLLEGE
18	MS. PRERANA P. DESHMUKH	R. L.T. SCI. COLLEGE
19	MS. TULSI JOSHI	R. L.T. SCI. COLLEGE
20	MS. TRUPTI R. NAKAT	R. L.T. SCI. COLLEGE
21	MS. ISHA P. ASAMBHE	R. L.T. SCI. COLLEGE
22	MS. PRATIKSHA R. GHUGE	R. L.T. SCI. COLLEGE
23	MS. SUCHITA P. VANJARI	R. L.T. SCI. COLLEGE
24	MS. MAYURI R. UPADHAYAY	R. L.T. SCI. COLLEGE
25	MS. SAMRUDHHI S. FOKMARE	R. L.T. SCI. COLLEGE
26	MS. ARATI C. KILLEDAR	R. L.T. SCI. COLLEGE
27	MS. RADHIKA U. PATIL	R. L.T. SCI. COLLEGE
28	MS. VAISHNAVI S. TAYADE	R. L.T. SCI. COLLEGE
29	MS. SHRUTI A. THAKARE	R. L.T. SCI. COLLEGE
30	MS. BHAVANA R. MAHANKAR	R. L.T. SCI. COLLEGE
31	MS. ASHWINI K. MANJARE	R. L.T. SCI. COLLEGE
32	MS. VAISHNAVI S. DHORE	R. L.T. SCI. COLLEGE
33	MS. MAYURI G. RATHOD	R. L.T. SCI. COLLEGE
34	MS. LEKHA D. UPADHAYAY	R. L.T. SCI. COLLEGE
35	MS. ANJALI V. JEMINI	R. L.T. SCI. COLLEGE
36	MS. VAISHNAVI R. MOHOD	R. L.T. SCI. COLLEGE
37	MS. VAISHNAVI G. ROKADE	R. L.T. SCI. COLLEGE
38	MS. PAYAL J. TRATAK	R. L.T. SCI. COLLEGE
39	MS. PRAGATI R. JADHAO	R. L.T. SCI. COLLEGE
40	MS. SWATI S. SHINDE	R. L.T. SCI. COLLEGE
41	MS. MAHIMA M. AMANKAR	R. L.T. SCI. COLLEGE
42	MS. NAYANA D. KHARBADKAR	R. L.T. SCI. COLLEGE

CRITERION I: CURRICULAR ASPECTS

43	MS. MONIKA G. PACHPOR	R. L.T. SCI. COLLEGE
44	MS. TANVY B. DHORE	
45	MS. KANCHAN B. JOSHI	
46	MS. KRUTIKA A. KALBENDE	
47	MR. AJAY R. RAUT	JUBILEE ENG. HIGH SCHOOL
48	MR. KABIR D. UPADHAYAY	
49	MS. SANSKRUTI V GANOJE	R. L.T. SCI. COLLEGE
50	MS. PRISHA M. RATHI	PRABHAT KIDS
51	MS. RUTUJA R. RANPISE	R. L.T. SCI. COLLEGE
52	MS. ASHWINI B. PADMANE	R. L.T. SCI. COLLEGE
53	MS. SHRIYA R. RATHI	R. L.T. SCI. COLLEGE
54	MS KANCHAN C. PARASKAR	R. L.T. SCI. COLLEGE
55	MS NAMRATA R. RATHI	R. L.T. SCI. COLLEGE
56	MS. SUYESHA S. HADOLE	R. L.T. SCI. COLLEGE
57	MS. SWATI S. DHANKANI	R. L.T. SCI. COLLEGE
58	MS. REVATI H. UMBARKAR	HOLYCROSS CONVENT
59	MS. NIDHI. V INGLE	G. S. CONVENT
60	MS. LEENA DANGE	R. L.T. SCI. COLLEGE
61	MS. GAURI WALKE	R. L.T. SCI. COLLEGE
62	MS. RUTUJA R. TAHAKRE	R. L.T. SCI. COLLEGE
63	MS. KANCHAN MITRA	JANKIBAI CHODHARI
64	MS. SAMIKSHA DHANGE	DIGITAL ENG. SCHOOL
65	MR. ROHIT JOSHI	
66	SAIYAD IMRAN SAIYAD MOHD.	
67	MR. NISHIKANT KHAMBALKAR	
68	MS. SONALI R. DHURVE	R. L.T. SCI. COLLEGE
69	MS. SAKSHI S. DUBEY	R. L.T. SCI. COLLEGE
70	MS. NEHA V MANKAR	R. L.T. SCI. COLLEGE
71	MR. NEEL K. PATIL	
72	MS. MADHAVI R. FALKE	R. L.T. SCI. COLLEGE
73	MS. SHRUTI DESHMUKH	R. L.T. SCI. COLLEGE
74	MR. YASH C. KADAM	NOEL SCHOOL
75	MS. MONIKA M. AGRAWAL	R. L.T. SCI. COLLEGE
76	MS. PRAJAKTA S. VARMA	R. L.T. SCI. COLLEGE
77	MS. RUCHITA G. KAKADE	R. L.T. SCI. COLLEGE
78	MS. BHAGYASHRI D. SAWARKAR	R. L.T. SCI. COLLEGE
79	MS. ISHWARI R. HINGANE	R. L.T. SCI. COLLEGE
80	MS. PRAGATI V. NAWALKAR	R. L.T. SCI. COLLEGE
81	MS. VAISHNAVI S.SURE	R. L.T. SCI. COLLEGE
82	MS. ADITI R. UMALE	R. L.T. SCI. COLLEGE
83	MS.SAMRUDDHI S. YEUTKAR	R. L.T. SCI. COLLEGE
84	MR.SIDDESH G. PUROHIT	PODDAR INTERNATIONAL SCHOOL
85	MR.DEVKUMR J. SHARMA	KOTHAEI CONVENT
86	MS.RAJESHRI D.RAUT	R. L.T. SCI. COLLEGE
87	MS.PALLAVI P. PATIL	R. L.T. SCI. COLLEGE
88	POOJA N. MALVADIYA	R. L.T. SCI. COLLEGE
89	MS. M ITI M. RATHI	
90	MS. TANISHA M. RATHI	
91	MS. GAYATRI V. DHOMDLE	R. L.T. SCI. COLLEGE
92	MS. PRIYANKA S. SHIRME	R. L.T. SCI. COLLEGE
93	MS.SHIVANI BORKAR	R. L.T. SCI. COLLEGE
94		
95		
96		

Dr. H. S. Malpani

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

REPORT FOR IQAC 2019-20

(On the Occasion of Golden Jubilee Year of Shri R. L. T. College of Science, Akola)

IQAC ACTIVITY No.8:

Name of the Activity	Plastic Bags Ban from Campus (Environment Awareness) (On the Occasion of Golden Jubilee Year of Shri R. L. T. College of Science, Akola)		
Date	Faculty	Department/ Committee	Coordinator Name
02/10/2019	Dr. Rashmi Joshi Sawalkar-Coordinator Dr. Samadhan L. Munde	NSS Unit of Shri R.L.T.College of Science, Akola	Dr. Rashmi Joshi Sawalkar
Time	Venue	Number of Participants	Nature Indoor/Outdoor /Online/Offline
9 :00am to 11:00 am	Shri R.L.T.College of Science, Akola	More than 100 students from college	Outdoor and Indoor
Link	1. http://rltsc.edu.in/2019/10/07/mahatma-gandhi-jayanti-2019/ 2. https://youtu.be/gZnMwLU-zng Link for Street Play on Plastic Ban.		
Spread sheet Link	-----		
Detail Analysis Report	Not only R.L.T.College students but the faculty members too joined the drive.		
Support/ Assistance	Shri R.L.T. College of Science, Akola		

BRIEF INFORMATION ABOUT THE ACTIVITY (CRITERION NO. 7.1.4)

TOPIC/ SUBJECT OF THE ACTIVITY	"Plastic Bags Ban from Campus" Issue Address: Environmental awareness
OBJECTIVES	1. To make environmental conservation & awareness 2. To aware students that it is their social responsibility to conserve the environment, riers and animals. 3. To decrease the pollution of plastic in water bodies. 4. To keep balanced Ecosystem. 5. Students Should learn to be a nature lover.

<p>METHODOLOGY</p>	<p>On the occasion of Mahatma Gandhi Jayanti, 2/10/2019 the NSS unit organized a Swachha Bharat Swastha Bharat Campaign by doing Plastic Bags Banned in the college campus. The programme was conducted by Dr. Rashmi Joshi, NSS P.O. in collaboration of Rotary Club Akola and Akola Municipal Corporation. Run for Plastic Ban was arranged with about more than 100 volunteers. During the rally street play was performed at different places for making awareness in society. While doing cleanliness during rally the students with posters in their hands and the slogans by volunteers as ..</p> <p>“Desh Ko Bachana Hai , Plastic Ko Hatanahai”</p>
<p>OUTCOMES</p>	<ol style="list-style-type: none"> 1. This event creates and develops awareness in the students about the conservation of Rivers, Environment and wild life from Plastic. 2. Students come to know... How harmful the Plastic is? 3. At the end of this program, students should be able to.... <ul style="list-style-type: none"> • Observe the satisfaction by their own and become the Environment Conserver. • Becomes more cautious about the Environment Conservation and their social responsibility.

PHOTOGRAPHS



Mr. Sanjayji Kapadnis, Municipa commissioner Akola





Street Play by NSS volunteers at City Bus Stop Akola.



Municipal Commissioner of Akola, President of Rotary Club, Principal Dr. V.D. Nanoty, Dr. Rashmi Joshi NSS P.O., Dr S.L. Munde, Dr. S. R. Kohchale and other dignitaries on the dias taking Oath to Ban Plastic Bags.

Coordinator

Dr. Rashmi Joshi Sawalkar
Assistant Professor & NSS P.O.,
Department of Zoology,
Shri R.L.T. College of Science, Akola

Dr. R.L. Rahatgaonkar
IQAC Co-ordinator
Shri R.L.T. College of Science,

Shri R.L.T. College of Science, Akola
Report –Women’s Cell & Internal Complaint Committee (ICC) 2020-21

The Committee executed its works as follows –

- Due COVID Pandemic, session 2020-21 was completely conducted online. So the students were not present in the college. Hence, there were no complaints regarding sexual harassment.
- On the occasion of International Women’s day, the Internal Complaint Committee and Women’s cell in collaboration with IQAC of Shri R.L.T College of Science, Akola organized an online guest lecture on the topic “Corona-Sadyasthiti aani Mahilanche swasth” on Monday 8th Mach 2021.

The event was presided by Principal Dr. V. D. Nanoty. Guest speaker was Dr. Smita Deshmukh, Principal, Shri Shivaji Arts, Commerce College, Amravati and guest of honours were Dr. Vaibhavi Vijay Nanoty(Matkari), M.D. Microbiology, Rajiv Gandhi Medical College, Thane, Mumbai and Ms. Kalpana Ashok Palaspagar, Sarpanch, Ph.D. Student, Shri R.L.T.College of Science, Akola.

In the introductory speech, Coordinator of Women’s Cell and ICC, Dr. Sujata Tadam, explained the objective of the program. Also she gave the details about the series of programs that were to be taken on occasion of the International Women’s day. She introduced the guest speaker Dr. Smita Deshmukh madam.

Dr. Smita Deshmukh madam gave very good guidance on the subject “Corona-Sadyasthiti anai Mahilanche swasth”. She told that “no matter what the situation, we should keep our attitude positive”. Saying one should not let ones morale falter in such difficult pandemic situation, she said, “Let us start if I can then I can, if I cannot then I cannot”. All the students were highly impressed by the speech of Dr. Deshmukh madam.

During COVID pandemic, women have also worked as corona worrier alongside men. Taking care of her family and working as corona worrier was a big challenge for a woman. Such corona worrier and alumni of our college Dr. Vaibhavi Nanoty(Matkari) was invited as guest of honour for this program. The purpose to invite her is to make our students aware of the experiences of such corona worrier women and to prepare our students to face such a pandemic situation. Dr. Vaibhavi Nanoty shared her entire experience from wearing PPE kit to performing one lakh RTPCR tests.

Through this program, Dr. Vaibhavi Nanoty request everyone to be careful, wash your hands regularly, wear Mask, keep social distancing even though vaccination started.

Highly educated but turning to the village, keeping in mind village improvement, Sarpanch of Gatgram Hingani, alumni of Shri R.L.T. College of Science, Akola, Ms. Kalpana Palaspagar gave a brief account of how she got entered in elections and politics while doing her Ph.D. As a student, she encouraged all students to turn to the village, hoping that many students like me would turn to the village if I could start today.

In the Presidential speech, Dr. V.D.Nanoty congratulated all the committee members for organising such a wonderful program that would be held helpful to all the women and students in near future. The program was beautifully anchored by Dr. Anjali Sangole.

Women’s Cell and ICC committee member, Smt. Jyoti Gite presented a vote of thanks. She thanked the president, guest of honour, chief guests, and students for making the

program great success. For this program, a total 349 students had registered. The event was hosted on both You Tube and Google meet.

Link for registration: <https://forms.gle/acH51pKrar6oJUSQ8>

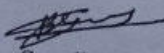
Link of Google meet to attend the program: <https://meet.google.com/gdb-hrha-zio>

Link of You Tube to attend the program: https://youtu.be/yuCKW9NZv_g

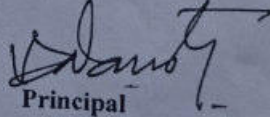
Post published on our website: <https://rltsc.edu.in/2021/03/10/online-guest-lecture-on-the-occasion-of-international-womens-day/>

Committee Members:

1. Dr S.B. TadamCoordinator
2. Dr. K.M. Heda Member
3. Dr. A.A. Sangole Member
4. Shri. K.Y.Patil.....Member
5. Smt. J.A. Gite.Member
6. Adv. Manisha Kulkarni.....Member (N.G.O.)
7. Ku. Karishma Panjawani.....Member (Student Representative-UG)
8. Ku. Jayantika Sharma.....Member (Student Representative-PG)
9. Ku. Abhilasha Deshmukh.....Member
(Student Representative-Research Scholar)


Coordinator
(Asst. Prof. Dr. Sujata B. Tadam)




Principal
(Dr. V.D. Nanoty)

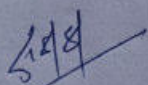
SHRI R. L. T. COLLEGE OF SCIENCE, AKOLA

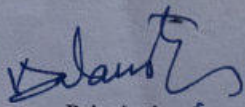
REPORT FOR IQAC 2019-20

(On the Occasion of Golden Jubilee Year of Shri R. L. T. College of Science, Akola)

IQAC ACTIVITY No.: 4

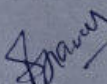
Name of the Activity	Women Day Celebration by Crystal Club (On the Occasion of Golden Jubilee Year of Shri R. L. T. College of Science, Akola)		
Date	Faculty	Department/ Committee	Coordinator Name
08-03-2020	Dr. Poonam T. Agrawal-Co-ordinator Dr. K.M. Heda-Member Ms. Rashmi Ingle Ms. Nikita Awzare	P.G. Department of Chemistry	Dr. Poonam T. Agrawal
Time	Venue	Number of Participants	Nature Indoor/Outdoor /Online/Offline
-----	Shri R.L. T. College of Science, Akola	19 Girls and -01 boy Students participated and 200 students get benefited	Offline
Link			
Support Assistance	Shri R.L.T. College of Science, Akola		


 Dr. R. L. Rahatgaonkar
 IQAC Co-ordinator
 Shri R.L.T. College of Science,
 Akola


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

BRIEF INFORMATION ABOUT THE ACTIVITY

TOPIC/ SUBJECT OF THE ACTIVITY	Women Day Celebration by Crystal Club
OBJECTIVES	<ol style="list-style-type: none"> 1. Raising self-esteem and self-confidence of women 2. Elimination of discrimination and all forms of violence against women and girl child. 3. enables them to represent their interests in a responsible and self-determined way, acting on their own authority 4. To Provide the Platform to express their views. 5. To make them to use consensus decision making; clarify vision, mission.
METHODOLOGY	<p>The event was organized at shri R.L.T.College of Science, Akola on 8th March 2020. This event was organized by Crystal Club of Post Graduation department of chemistry. The moto behind this event is to make girl students aware about the women empowerment. As 90% students in our college are girls. It is a demand of todays to bring out awareness among women for their rights. In this event each student get dressed up of one great Women of India like Respected PM of India Indira Gandhi, Respected Mother Terresa, Sania Nehwal, Kalpana Chawala and many more. All these girls in different characters express their views on the life of these Great Women. Dr. Kavita Heda conducted the programme. All the ladies staff members of the college and girls form B.Sc. were present for this event. Principal Dr. V.D.Nanoty sir was the Presidents for this event.</p>
OUTCOMES	<ol style="list-style-type: none"> 1. Total200 students of ShriR.L.T.College of Science get benefitted by this Research Festival. 2. This event provide mission to girl students . 3. This event is not only beneficial for women but boys also comes tom know that they should resepect .. 4. Many girl students get inspire from this event and decided the aims of their life..


Coordinator

Dr. Poonam T. Agrawal
Assistant Professor & Head,
Department of Chemistry,
Shri R.L.T. College of Science, Akola

Photo Gallery



Shri R.L.T. College of Science, Akola
Report –Women’s Cell & Internal Complaint Committee (ICC) 2021-22

The Committee executed its work as follows –

- As per the guideline about the formation of Internal Complaint Committee (ICC) given by Maharashtra State Commission for women, Mumbai, Women’s Cell & ICC was composed on 15.11.21 in Shri R.L.T. College of Science, Akola when the regular theory and practical classes started in the academic session 2021-22.
- Care was taken by the committee members for the comfort of the girl students by providing a common room for girl students, a separate vehicle parking, maintaining the cleanliness of the campus etc. The whole college premises are under observation of CCTV cameras by the Principal.
- The flex of ICC and suggestion box has been fixed near the Principal’s office to collect girl’s grievances. The Women’s Cell & ICC circulated the notice for girl students to drop their suggestions, grievances in suggestion box. During this session the box was open four times in the months of December, January, March & May. Most common complaints received were about the maintenance of girl’s common room and about the refill of sanitary napkins in vending machine.



Complaints were conveyed to Principal and with the help of nonteaching staff complaints were resolved.

- Chairperson of Women’s Cell & ICC Dr. S.B.Tadam attended online one day State Level Workshop on “Gender and Research”, at Women’s studies Centre, S.G.B.A.U. Amravati on 25th February 2022.
- **Distribution of Fruits, Biscuits and Mask:**

With a view to provide the nutritional value to the needy pregnant women, delivered women and malnourished children Internal Complaint Committee (I.C.C.) and Women’s Cell in Collaboration with I.Q.A.C., Shri R.L.T. College of Science Akola organized the program “Distribution of Fruits, Biscuits and Mask” in a Lady Harding, Government Hospital, Akola on Friday 18th February 2022.

First of all Women’s Cell and ICC asked Dr. Kulwal madam, M.S., Lady Harding, Govt. Hospital Akola for permission to distribute fruits on 18th February 2022. After getting the permission, all the female members of Women’s cell and ICC together with the girls students of the college arrived at Lady Harding at 11o’clock. The Incharge Sister Birpal madam gave the information about the different wards like Bolka ward, ward of malnourished children and ward of pregnant women.

Bags, each containing two apples, a packet of Biscuits and a surgical mask were distributed in the Bolka ward, ward of malnourished children and ward of pregnant women.



Bolka Ward:

Women who have just given birth are kept in this ward. There were 25 women admitted at that time. Women's cell and ICC members together with girl students of the college met the delivered women of that ward and inquired about their health and we distributed fruit bag there.



Ward of malnourished children:

After that Women's cell and ICC members together with girl students of the college met the malnourished children and distributed the fruit bags among them. Total 10 children were there. The children were overjoyed when they received the apples and biscuits.



Ward of pregnant women:

Lastly fruit bags were distributed in the ward of pregnant women. We met the pregnant women of that ward and inquired about their health. Total 25 pregnant women were there in that ward.



Total 60 fruit bags were distributed. By distributing fruits and biscuits, our objective to provide nutritional value to the needy pregnant, delivered women and malnourished children has been achieved. In this way we were able to contribute a little bit to provide nutritional value to the needy pregnant, delivered women and malnourished children.

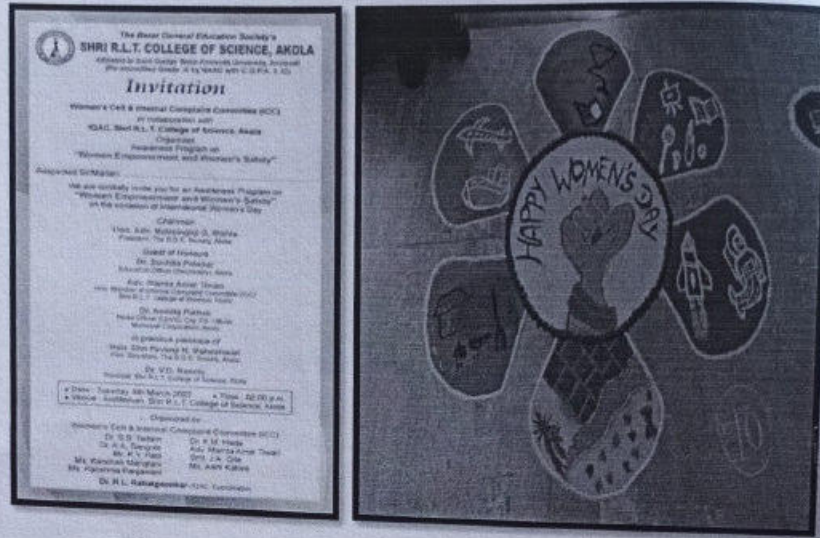
The program was successfully organized under the valuable guidance of Principal Dr. V.D.Nanoty and special assistance was provided by M.S. Dr. Aarti Kulwal, Incharge sister Birpal, Health worker Surekha Ghuge, Lady Harding, Government Hospital, Akola. And also got valuable support of Physical Director-Prof. Dr. R. D.Chandrawanshi and Women's cell member Mr. K.Y.Patil, Pratik Gawali, Shri R.L.T. College of Science, Akola for organizing this event.

Following members of the Women's Cell and ICC were present at hospital for distributing the fruits, biscuits and mask.

- | | |
|--------------------------|--|
| • Dr. S.B.Tadam | Co-ordinator |
| • Dr. K.M.Heda | Member |
| • Dr. A.A.Sangole | Member |
| • Smt. J.A.Gite | Member |
| • Ms. Kanchan Mangatani | Member (Research Student Representative) |
| • Ms. Aarti Katore | Member (P.G. Student Representative) |
| • Ms. Karishma Panjawani | Member (U.G. Student Representative) |
| • Ms.Hetal Jadhao | College Student |
| • Ms.Sonal Rathod | College Student |
| • Ms.Shital Suryawanshi | College Student |
| • Ms.Saniya Saaher | College Student |
| • Ms.Samruddhi Joshi | College Student |

• Women Empowerment and Women's Safety:

Women empowerment is the complete development of women. Women empowerment is the need of the hour. With this in mind, on the occasion of International Women's Day, Women's Cell and ICC of Shri R. L. T. College of Science, Akola, decided to honour women working in various sectors of the society. Hence Women's Cell and ICC of Shri R. L. T. College of Science, Akola, decided to honour Dr. Patekar, who has excelled in higher education, Dr. Pathak, who has done remarkable work in the field of Medicine, and Adv. Tiwari, who has excelled in the field of law, to inspire the college students towards women's empowerment. Women's Cell and ICC organized a program on "Women Empowerment and Women's Safety" on 8th March 2022.



The ceremony was presided over by Adv. Motisinghji Mohta, President of The Berar General Education Society. Dr. Suchita Patekar, District Education Officer, Dr. Asmita Pathak, Nodal Officer COVID and City Tuberculosis Officer, Municipal Corporation, Akola, Adv. Mamta Tiwari, Principal Dr. Vijay Nanoty, Women's Cell and Internal Complaints Committee (ICC) Chairperson Dr. Sujata Tadam, ICC members Dr. Kavita Heda, Dr. Anjali Sangole, Adv. Mamta Tiwari, Mr.K.Y. Patil, Smt. Jyoti Gite Student Representative Kanchan Mangtani, Aarti Katore, Karishma Panjwani were present on the dias. The program was started with Saraswati Pujan and lighting of lamps. The dignitaries present on the occasion were welcomed.

The program was introductory by Dr. S.B. Tadam. She outlined the purpose of the program and schedule of the program in her introduction. Welcome speech was given by Dr. Vijay Nanoty, Principal of the College. He reviewed the bright tradition of the college from his speech. He said that it was an honour to honour women working in various sectors of the society on the occasion of the award ceremony.



Dr. Suchita Patekar, District Education Officer, told the story of the hardships and struggles she faced in her life. She appealed to the students to work hard from her speech as well as choose new achievements from research and make a successful journey.



Dr. Asmita Pathak started her speech with the quote "Health is wealth". She focused to make a diet chart and ensure that we take a sufficient amount of carbohydrates, proteins, minerals, and vitamins. On women empowerment, Dr. Asmita Pathak said that women should be determined to create awareness in the society about women's rights in women empowerment.



Adv. Mamata Tiwari gave legal information. She said that crimes against women occur every minute in India. Given the number of crimes that are committed against women, it is pertinent that women are aware about the laws that are in place to protect them. She specially focused on the act Sexual Harassment of Women at Workplace (Prevention, Prohibition and Redressal) Act, 2013.



Ms. Snehal Shegokar, a junior college student, expressed her thoughts about women empowerment. On this occasion, the students who got place in the merit list of Sant Gadge Baba Amravati University were felicitated by the dignitaries. They were also honoured with the title "**Woman Champion**" of Shri RLT College of Science. During this session following students were honoured by "**Women's Champion of Shri R.L.T. College of Science, Akola**".

- Ms. Rajeshwari Chavan **5th Merit** in M.Sc. Microbiology, S.G.B. A.U. Amravati in Summer 2021 Examination
- Ms. Ankita Potdukhe **8th Merit** in M.Sc. Chemistry, S.G.B. A.U. Amravati in Summer 2021 Examination
- Ms. Sayali Kalmegh **10th Merit** in M.Sc. Mathematics, S.G.B. A.U. Amravati in Summer 2021 Examination

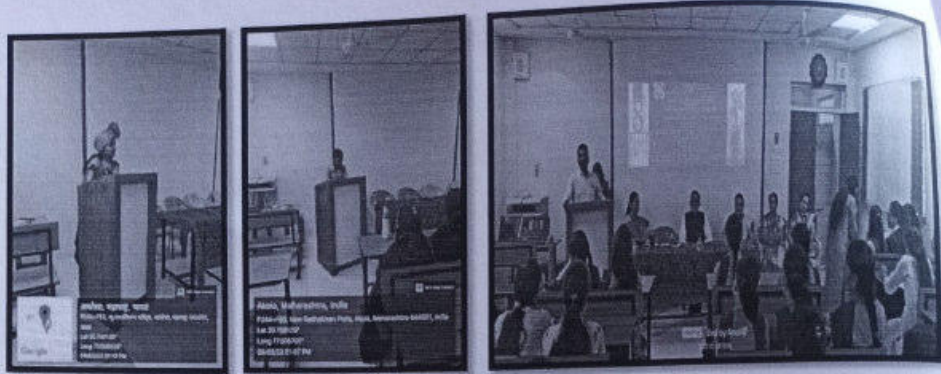


There was a time when the word 'Feminism' or 'Women Empowerment' was not even coined. There was a time, when women struggled to break society's so-called 'norms' and achieve what they were truly born to be. The women of India are no exception to this. Such great women become inspiration to all today's women to achieve success in various fields. To give tribute to such great women and to inspire girl student of our college to achieve the success in life, ICC & Women's Cell in collaboration with Crystal Club, Department of Chemistry organized a program "**A Tribute to Great Women of India**" on the eve of International Women's day. Participants were coming to the stage one by one and explaining the role they were playing.



The Rangoli and Eloquence Competition was organized by the Crystal Club of the Department of Chemistry under the guidance of Dr. Poonam Agrawal, Head of the Department and Dr. Kavita Heda, Asst. Professor. The award winning students were felicitated by the dignitaries. On this occasion, the examiners of Rangoli competition, Prof. Sonali Gawande, Prof. Medha Kurhekar, Prof. Kalyani Ladole and the examiners of oratory competition, Prof. Vaishali Badgujar and Dr. Sudhir Kohchale were honored with certificates.





The quiz program was organized on the occasion of World Science Day to provide information to the students about the questions asked on the subject of general knowledge in the competitive examination. This prize was also distributed at this time.



Mrs. Vandana Palasapgar, Professor, Junior College, was felicitated as she is retiring next month. Dr. Poonam Agrawal was also honoured for her patent in the subject Chemistry. In his presidential address, Adv. Motisinghji Mohta said that the work of women is remarkable in all fields. Today, a law has been enacted to empower women. Therefore, women should live a self-respecting life.



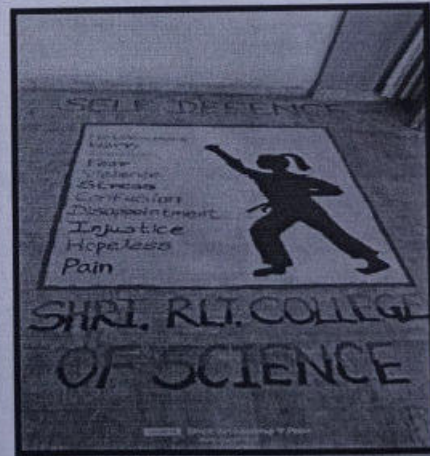
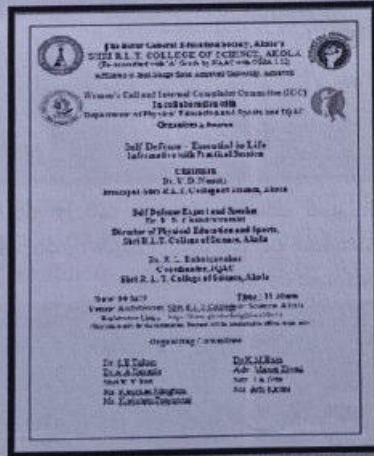
The program was anchored by Ms. Vijaya Tekade, a student of the college and the vote of thanks was given by Ms. Aarti Katore. Total 234 students took advantage of this program in which 212 female students and 22 male students were present. Under the guidance of Dr. Vijay Nanoty, Principal of the College, Dr. Sujata Tadam, Chairperson of the Women's Cell and Internal Complaint Committee, Dr.

Kavita Heda, Dr.A.A.Sangole, Adv. Mamta Tiwari, Shri K.Y.Patil, Smt. J.A.Gite Member, Ms. Kanchan Mangtani, Ms. Arti Katore and Ms. Karishma Panjawani, Student Representative, Dr. R.L.Rahatgaonkar, Dr. A. G. Sarap, Mr. R. D. Chaudhary, Dr.S.L.Munde, Mr. D.J.Wankhade, Mr. Chandrakant Ahirkar, Mr. Vijay Alane as well as faculty, teachers and non-teaching staff worked hard for the success of the program.

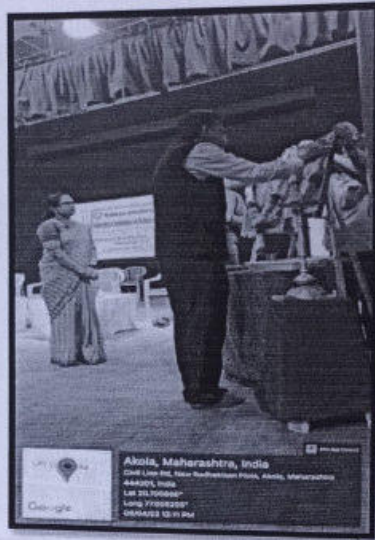


• **Self Defense - Essential in Life (Informative with Practical Session)**

Women's Cell and Internal Complaint Committee (ICC) in collaboration with Department of Physical Education & Sports and IQAC organized a program Self Defense - Essential in Life (Informative with Practical Session) on dated 9th April 2022 at 11.30 am in Auditorium hall of the college. The aim of this program is to motivate the students for self defense.



The program was chaired by Principal Dr. V. D. Nanoty. Self Defense Expert and Speaker for this program was Dr. R. D. Chandrawanshi, Director of Physical Education and Sports, Shri R.L.T. College of Science, Akola. Chief Guest for this program was Dr. R. L. Rahatgaonkar, Coordinator, IQAC, Shri R. L. T. College of Science, Akola. The program was started with the worship of Goddess Saraswati and Kranti Jyoti Sawaitribai Fule. In the introductory speech Dr. Tadam, Chairperson of Women's cell and ICC, explained the need and importance of Self-defense.



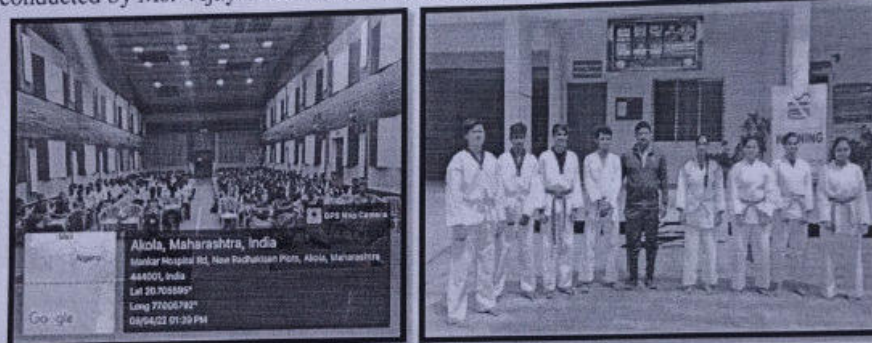
In this program Self defense related detail concept nicely delivered by Dr. Rajesh Chandrawanshi and live demonstration of Karate, Taekwondo, Kick Boxing and Judo were perfectly presented by self defense expert Students.



Three girl students namely Ms. Tejal Thakur from B.Sc.III, Ms. Rutuja Badhe from B.Sc.II and Ms. Nalanda Damodar from B.Sc.I shared their benefits after learning Self-defense. The chairperson of this program Principal Dr. Nanoty assured that students will get benefited by this program.



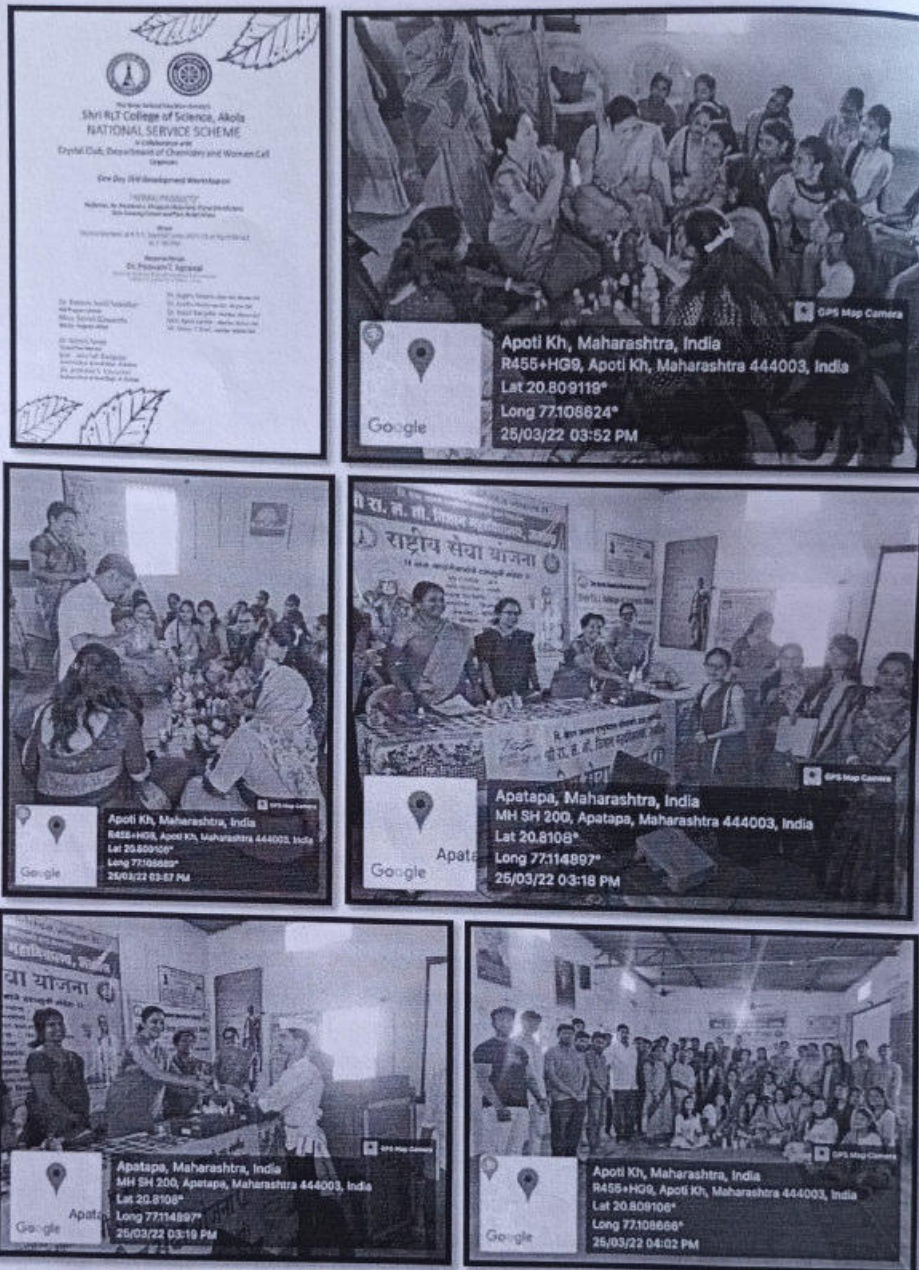
Total 207 students were participated in this program out of which 183 were girl students and 24 were boys students. Some students were motivated to take part in self defense activities. Hence the aim of the program was achieved. The program was nicely conducted by Ms. Vijaya Tekade and vote of thanks was delivered by Mr. Pranav Kadu.



- **Mahila Melawa:**

In NSS camp Women's cell in collaboration with Crystal Club, department of Chemistry and NSS organized one day skill development workshop on "**Herbal Products**" on 25th March 2022. The function was presided by Asso. Prof. Dr.A.S.Sawarkar .Guest of honours for this function was Dr. P.T.Agrawal, H.O.D. of Chemistry department. The dais was graced by Asst. Prof. Mrs. V.N.Badgujar, H.O.D. dept. Of Botony, Asst. Prof. Dr.S.B.Tadam, Chairperson of the Womens Cell and ICC, Asst. Prof. Dr. K. M. Heda, Asst. Prof. Dr. A.A.Sangole, NSS Program Officer Dr. Rashmi Joshi, Asst. Prof. Ms. Sonali Gawande and committee member Smt. J.A. Gite.

Dr. S.B.Tadam explained the need and importance of skill development. Resource person Dr. P.T.Agrawal gave a demonstration on how to make herbal products like perfume, airfreshner, floral disinfectant etc.




In presidential speech Dr.A.S.Sawarkar addressed the women villagers and girl students on women's education. The Program was nicely conducted by Ms. Sonali Gawande. Vote of Thanks was delivered by Dr. Rashmi Joshi.

- Due to the vigilance of the committee members together with all the staff members, the curricular as well as extra-curricular activities were carried out in a peaceful atmosphere in the college. **There was no complaint of sexual harassment among the students and staff till date.**

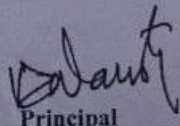
Committee Members:

- | | |
|---------------------------------------|--|
| 1. Asst. Prof. Dr. S. B. Tadam | Chairperson |
| 2. Asst. Prof. Dr. Mrs. K. M. Heda | Member |
| 3. Asst. Prof. Dr. Mrs. A. A. Sangole | Member |
| 4. Mr. K.Y. Patil | Member |
| 5. Smt. J. A. Gite | Member |
| 6. Adv. Mamta Tiwari | Member (External NGO) |
| 7. Ms. Karishma Panjawani | Member
(UG Student Representative) |
| 8. Ms. Aarti Katore | Member
(PG Student Representative) |
| 9. Ms. Kanchan Mangtani | Member
(Research Scholars representative) |

Date: 16.05.2022


Chairperson
(Asst. Prof. Dr. S. B. Tadam)




Principal
(Dr. V.D. Nanoty)