



Yearly Status Report - 2019-2020

Part A

Data of the Institution

| | |
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| 1. Name of the Institution | THE BERAR GENERAL EDUCATION SOCIETY'S RADHAKISAN LAXMINARAYAN TOSHNIWAL COLLEGE OF SCIENCE * |
| Name of the head of the Institution | Dr.Vijay Digambar Nanoty |
| Designation | Principal |
| Does the Institution function from own campus | Yes |
| Phone no/Alternate Phone no. | 07242415480 |
| Mobile no. | 9822724504 |
| Registered Email | rltcollegeakola@gmail.com |
| Alternate Email | principal@rltsc.org |
| Address | Civil Lines |
| City/Town | Akola |
| State/UT | Maharashtra |
| Pincode | 444001 |

| 2. Institutional Status | | | | | |
|---|-----------------|---|---------------------------------------|-------------|-------------|
| Affiliated / Constituent | | Affiliated | | | |
| Type of Institution | | Co-education | | | |
| Location | | Urban | | | |
| Financial Status | | state | | | |
| Name of the IQAC co-ordinator/Director | | Dr. Rajendra Laxmanrao Rahatgaonkar | | | |
| Phone no/Alternate Phone no. | | 07212520791 | | | |
| Mobile no. | | 8208907324 | | | |
| Registered Email | | rajendrarahatgaonkar@gmail.com | | | |
| Alternate Email | | rahatgaonkar14@gmail.com | | | |
| 3. Website Address | | | | | |
| Web-link of the AQAR: (Previous Academic Year) | | http://rltsc.edu.in/aqar/ | | | |
| 4. Whether Academic Calendar prepared during the year | | Yes | | | |
| if yes, whether it is uploaded in the institutional website: Weblink : | | http://rltsc.edu.in/academics/#calendar | | | |
| 5. Accrediation Details | | | | | |
| Cycle | Grade | CGPA | Year of Accrediation | Validity | |
| | | | | Period From | Period To |
| 2 | B | 2.59 | 2010 | 28-Mar-2010 | 27-Mar-2015 |
| 3 | A | 3.12 | 2017 | 22-Feb-2017 | 21-Feb-2022 |
| 6. Date of Establishment of IQAC | | | 26-Aug-2011 | | |
| 7. Internal Quality Assurance System | | | | | |
| Quality initiatives by IQAC during the year for promoting quality culture | | | | | |
| Item /Title of the quality initiative by IQAC | Date & Duration | | Number of participants/ beneficiaries | | |
| State level Online | 23-May-2020 | | 200 | | |

| | | |
|--|------------------|-----|
| workshop on Intellectual Property Right (IPR-2020) | 7 | |
| Convocation-Degree Award Ceremony | 06-Feb-2020 1 | 258 |
| Soft Skill Development Programme | 03-Oct-2019 6 | 50 |
| International Guest Lecture for Research scholars & PG students | 13-Feb-2020 1 | 150 |
| Workshop on | 11-Feb-2020 1 | 120 |
| National Conference on | 24-Jan-2020 1 | 350 |
| Student Induction Programme: | 04-Jul-2019 1 | 500 |
| Celebration of | 02-Jul-2019 1 | 200 |
| To design the prospectus of the college to highlight the goals and objectives of the college | 01-Jul-2019 1 | 31 |
| Meetings with Chairman and members of Internal Quality Assurance Cell. | 29-Jun-2019 1 | 18 |
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8. Provide the list of funds by Central/ State Government- UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.

| Institution/Department/Faculty | Scheme | Funding Agency | Year of award with duration | Amount |
|--------------------------------|--------|----------------|-----------------------------|--------|
| Nil | Nil | NIL | 2020 00 | 0 |
| View File | | | | |

| | |
|--|---------------------------|
| 9. Whether composition of IQAC as per latest NAAC guidelines: | Yes |
| Upload latest notification of formation of IQAC | View File |
| 10. Number of IQAC meetings held during the year : | 4 |
| The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website | Yes |
| Upload the minutes of meeting and action taken report | View File |

| | |
|---|----|
| 11. Whether IQAC received funding from any of the funding agency to support its activities during the year? | No |
|---|----|

12. Significant contributions made by IQAC during the current year(maximum five bullets)

1. Celebration of "Golden Jubilee Year" of college by conducting 50 projects related with academics, cocurricular, extracurricular and social and environment activities.

2.. The faculty members and the stakeholders were introduced with New NAAC Assessment procedure.

3. Arranging the Career Advancement Scheme Camp for teaching faculties of various colleges in Akola district.

4. 'Convocation': Degree Award Ceremony.

5.Feedback Analysis

[View File](#)

13. Plan of action chalked out by the IQAC in the beginning of the academic year towards Quality Enhancement and outcome achieved by the end of the academic year

| Plan of Action | Achivements/Outcomes |
|--|--|
| To conduct the Environment awareness programme. | The department of NSS and NCC and Environment Cell in collaboration with department of Social Forestry conducted various programme like Vruksha Raksha Bandhan, Tree plantation etc. |
| To organise Workshop on Intellectual Property Right (IPR-2020) | State level Online workshop on Intellectual Property Right (IPR-2020) was organised on 23 to 29 May 2020. 200participants from different region of state were participated in the workshop. |
| Organization of Research festival for teacher and students. | The research festival "Avaishkar" was organised for the students and college teachers of Akola District in collaboration with Sant Gadge Baba Amravati University, Amravati on 14 & 15 January 2020. Total 13 college teacher coordinator and 200 students participated. Total 125 students presented their models |
| To organised International, National conference, workshops and guest lectures. | National Conference on "Multidisciplinary Research in Science and Technology for Healthy Life style Management (NCMRST-2020) was organised |

| | |
|---|--|
| | in collaboration with Microbiologists Society (MSI) , AUCTA on 24 January 2020. International Guest Lecture was organised by department of Microbiology in collaboration with MSI on 13th February 2020. |
| Felicitations of Retired teaching & non-teaching staff members. | On the occasion of Golden Jubilee Year, the faculty members (Teaching & Non-teaching) retired in last 50 years felicitated for their unceasing service and contribution they offered to make this college one of the best in Central Maharashtra. |
| To organised Faculty Improvement Programme | Workshops, Seminars and lectures were organised under the head of Faculty Improvement Programme. The department of chemistry organised online workshop on "Chemistry Practical" on 27th May 2020 and also organised National online workshop on "Operating Techniques of Scientific Instruments in Laboratory (OTSIL2020) on 11th May to 15th May,2020. Department of Computer Science completed Online F D P on LATEX in collaboration with IIT, Bombay. Department of Physical Education conducted Online physical fitness programme for college teachers through video demonstration to boost up the immunity power against COVID19. IQAC organised one day teachers development programme on elearning and eclassrooms for teachers and students . |
| View File | |

| 14. Whether AQAR was placed before statutory body ? | Yes | | | | |
|--|--------------|------------------------|--------------|---|-------------|
| <table border="1" style="width: 100%;"> <thead> <tr> <th style="width: 50%;">Name of Statutory Body</th> <th style="width: 50%;">Meeting Date</th> </tr> </thead> <tbody> <tr> <td>College Development Committee and Staff Council Committee</td> <td>07-Aug-2020</td> </tr> </tbody> </table> | | Name of Statutory Body | Meeting Date | College Development Committee and Staff Council Committee | 07-Aug-2020 |
| Name of Statutory Body | Meeting Date | | | | |
| College Development Committee and Staff Council Committee | 07-Aug-2020 | | | | |
| 15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ? | No | | | | |
| 16. Whether institutional data submitted to AISHE: | Yes | | | | |
| Year of Submission | 2020 | | | | |
| Date of Submission | 15-Jan-2020 | | | | |

| | |
|---|--|
| <p>17. Does the Institution have Management Information System ?</p> | <p>Yes</p> |
| <p>If yes, give a brief description and a list of modules currently operational (maximum 500 words)</p> | <p>Yes The college has formed the separate committee name DCV (Data Collection Verification) committee, works under the supervision of the Principal of the college and few senior faculty members. The nature of work of the committee is to inform all the necessary information to all stakeholders and also published it on the college website. The administrative office and the college library have been atomised. Management of the college financial data is big task for Accounts Officer or Accountant. It is very important to maintain proper books of account track the data and organise the data under the separate heads. To overcome the problems the account section of the college used a very powerful accounting software Tally 7.2 which is driven by the technology called Concurrent Multilingual Accelerated Technology Engine. Tally 7.2 helps in maintaining the complete account information such as Transactions, Vouchers, bills, general ledgers, cash flow statement, fees collections, audited statements, printing reports etc. Similarly the library of the college used OPAC online database of materials or books available in college library. It also uses the other online resources like dhaynganga etc. The book registration, data entry, library catalogue search all are handle with using the online system. The admission processes of the college are fully online. The students and other stakeholders are informed by giving the advertisement in local and national news paper and also displayed on college notice board and also on the college website. The examination department of the college also works by using online system. The internal marks, practical marks and theory marks fill up online on the university portal. The annual plans and the budget, renovation or new construction in the college campus is first discuss with the heads of all teaching and non teaching department and then put it in the meeting of CDC and as per the need and urgency the CDC sanctioned the budget. The modules: The Admission</p> |

Part B

CRITERION I – CURRICULAR ASPECTS

1.1 – Curriculum Planning and Implementation

1.1.1 – Institution has the mechanism for well planned curriculum delivery and documentation. Explain in 500 words

On reaching the historic milestone of 50 years, Shri R L T College of Science, Akola stand today as one of the best science college in Maharashtra, because the institute has strong mechanism to ensure the effective curriculum delivery by adopting the well planned strategies. According to the vision of the institute, it is bound to offer the excellent and high quality of education and knowledge to the students and thus the college retained the tradition of meritorious students in every academic year. On opening of academic session, Principal with IQAC coordinator and members of the admission committee conducted the meeting with Head of all teaching and non-teaching departments to chalk out the academic calendar, preparation of time-table for PG and UG classes and distribution of work load as per the university norms. The final copy of the academic calendar and time table is send to the respective departments through principal endorsement and also uploaded on the college website. The Head of teaching departments hold the meeting with departmental staff and informed them about annual academic plan. During the academic session every department take the responsibility to organise or arrange the academic, co-curricular and extra-curricular activities like seminar competitions, study tour, field projects, industrial visits, guest lectures, conference, workshops, participate in youth festival etc. During the lectures and practical, the in charge teachers indentify and sort out the slow learners and special attention given towards them. All these activities are recorded in the academic diary of the teacher, which is then monitored by higher authorities of the institute.

For the effective implementation of curriculum the faculty members keep themselves upgraded by referring the standard reference books prescribed by the university and information available on online educational websites, e-books and also get acquainted with the modern ICT tools to make their teaching more effective. The teachers of all departments directly peculate the designed curriculum to student by conventional method of chalk and board with other teaching methods like assignments, group discussion, PPT presentation, class test etc. The COVID-19 pandemic brings the revolution in the teaching learning process. It forced the teachers towards the online teaching rather than conventional teaching and provides the platform to the students to learn from home. The college authorities take the initiatives and started the e-pathshala - the online learning school through the google classroom, every student actively join the classroom for effective implementation of syllabi. The curriculum delivery feedback is taken from the students and other stakeholders after the completion of the session for further improvement. At the end of the session, head of departments and the chairman of all committees submitted their reports to IQAC and simultaneously uploaded the same on college website. At last Principal along with IQAC coordinator have arranged the meeting with staff council to discuss the progress on academic, research, co-curricular and extra-curricular activities. The consolidated report of the meeting then produced in front of the College Development Committee to take the positive and progressive decision.

1.1.2 – Certificate/ Diploma Courses introduced during the academic year

| Certificate | Diploma Courses | Dates of | Duration | Focus on employ | Skill |
|-------------|-----------------|----------|----------|-----------------|-------|
|-------------|-----------------|----------|----------|-----------------|-------|

| | | Introduction | | ability/entrepreneurship | Development |
|---|-----|--------------|-----|------------------------------------|---|
| Short Term Online e-certificate course in Astronomy and Astrophysics | Nil | 07/05/2020 | 4 | Employability | Skill of using various techniques in related fields |
| Short Term e-certificate course in Renewable Energy | Nil | 25/05/2020 | 7 | Entrepreneurship | excellent grasp of scientific principles and concepts |
| Certificate course in Introduction of Analog and Digital devices | Nil | 02/10/2019 | 15 | Entrepreneurship | Skill in handling the electronics devices |
| Certificate course in Design of power suppliers and troubles shooting | Nil | 02/09/2019 | 15 | Employability and Entrepreneurship | Creating analog, digital and mixed signal circuit designs |
| Certificate course in Survey of dust pollution from different areas of Akola district | Nil | 01/01/2020 | 90 | Employability | Skills in pollution testing |
| Online Short Term Certificate course in Spectroscopic Techniques in Chemistry | Nil | 04/05/2020 | 8 | Employability | Skills in operating techniques in industrial fields |
| Certificate course in CCLT | Nil | 01/10/2019 | 180 | Employability | Skill in maintenance and handling of clinical laboratory equipments |

| | | | | | |
|-----|--------------------|------------|-----|-------------------|--|
| Nil | Diploma in DCLT | 01/10/2019 | 180 | Employabil ity | Skill in maintenance and handling of clinical laboratory equipments |
|-----|--------------------|------------|-----|-------------------|--|

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the academic year

| Programme/Course | Programme Specialization | Dates of Introduction |
|---------------------------|--------------------------|-----------------------|
| MSc | Physics | Nil |
| PhD or DPhil | Physical Education | 20/05/2019 |
| View File | | |

1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective course system implemented at the affiliated Colleges (if applicable) during the academic year.

| Name of programmes adopting CBCS | Programme Specialization | Date of implementation of CBCS/Elective Course System |
|----------------------------------|--------------------------|---|
| MSc | PG | Nil |

1.2.3 – Students enrolled in Certificate/ Diploma Courses introduced during the year

| | Certificate | Diploma Course |
|--------------------|-------------|----------------|
| Number of Students | 500 | 64 |

1.3 – Curriculum Enrichment

1.3.1 – Value-added courses imparting transferable and life skills offered during the year

| Value Added Courses | Date of Introduction | Number of Students Enrolled |
|--|----------------------|-----------------------------|
| CCLT and DCLT | 01/10/2019 | 178 |
| Work shop on Soft skill development | 03/10/2019 | 50 |
| Fitness Development Programme | 01/07/2019 | 50 |
| Certificate course in Disaster Management Course | 02/01/2020 | 50 |
| Aptitude Test in chemistry | 04/03/2020 | 356 |
| Workshop on operating Techniques of Scientific Instruments in Laboratory | 11/05/2020 | 50 |
| View File | | |

1.3.2 – Field Projects / Internships under taken during the year

| Project/Programme Title | Programme Specialization | No. of students enrolled for Field Projects / Internships |
|-------------------------|--|---|
| BSc | Collection and maintenance of plant herbarium of B.Sc. II Botany | 140 |

| | | |
|---------------------------|--|-----|
| BSc | Visit to Katepurna Wildlife Sanctuary BSc II and BSc III year students | 100 |
| BSc | Visit to Mahan Water purification plant | 80 |
| MSc | Project of M.Sc Microbiology | 20 |
| MSc | Project of M.Sc Chemistry | 20 |
| BSc | Akola Blood Bank, Akola | 14 |
| BSc | Dr. Hedgewar Blood Bank, Akola | 12 |
| BSc | Life Care Clinical Lab., Akola | 17 |
| View File | | |

1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

| | |
|-----------|-----|
| Students | Yes |
| Teachers | Yes |
| Employers | Yes |
| Alumni | Yes |
| Parents | Yes |

1.4.2 – How the feedback obtained is being analyzed and utilized for overall development of the institution? (maximum 500 words)

| |
|--|
| Feedback Obtained |
| <p>The college has strong mechanism to analyse and utilise the feedback responses coming from the stake holders including students, parents, Alumni, social workers etc. for the overall development of college. To implement this important activity smoothly, the feedback committee consists of senior faculty members from teaching and non-teaching side works very hard. The committee prepared the questionnaire to obtain the feedback from the stakeholders. After preparation of questionnaire it is either uploaded on college web site in the form of google form or provided the hard copies of the same google form at the time of meeting. The stakeholders are intimated well in advance about the agenda of meeting through mail or messages send via principal office. The students are the most important stake holders of any educational institute because their suggestions delivered through feedback system always helps for the betterment of the institute. The student's feedback questionnaire is based on theory and practical courses taught to them in odd and even semesters and modern aids used for teaching purposes. Beside this students also asked to suggest their suggestions regarding infrastructural facilities, library facilities and hostel facilities etc. The general assessment points of the feedback based on the questions related to syllabus, assessment of answer sheets, teaching techniques, teachers approach, syllabus completion and time management etc. on a grade of scale (5 means excellent and zero means poor). The feedback received from other stake holders like Alumni, Parents and employers collected through online or offline mode and then analysed by the committee members, they read the suggestions carefully and think over the suggestions or advice received from these stakeholders. The Principal with IQAC and committee members hold the meeting, the chairman of feedback committee read</p> |

some important suggestion received from the stake holders. After discussion the principal suggest to IQAC and committee members for the possible solutions for the overall improvement of the college. Here are some important suggestion received from the stakeholders and possible solution done by the college authorities. 1) To start the post Graduate programme in demanding subjects such as Physics, Biochemistry and Zoology etc. Action Taken: As per the suggestion the proposals for P.G in the subject Physics, Zoology, Biochemistry, Computer Science forwarded to the SGB Amravati University. 2) To renovate some old laboratories. Action Taken: The work of renovation of chemistry laboratory started as per the directions given by the authorities of The BGE Society. 3) To add some latest books of competitive examination in library. Action Taken: As per the need and demand of the students the Director of Knowledge Resource Centre placed an order of some new books. In such a way by noting some important suggestion the CDC think over it and implement the suggestions.

CRITERION II – TEACHING- LEARNING AND EVALUATION

2.1 – Student Enrolment and Profile

2.1.1 – Demand Ratio during the year

| Name of the Programme | Programme Specialization | Number of seats available | Number of Application received | Students Enrolled |
|-----------------------|--------------------------|---------------------------|--------------------------------|-------------------|
| BSc | UG | 520 | 1218 | 536 |
| MSc | PG | 16 | 132 | 20 |
| MSc | PG | 80 | 252 | 96 |
| MSc | PG | 20 | 143 | 24 |
| PhD or DPhil | PhD | 10 | 10 | 6 |

[View File](#)

2.2 – Catering to Student Diversity

2.2.1 – Student - Full time teacher ratio (current year data)

| Year | Number of students enrolled in the institution (UG) | Number of students enrolled in the institution (PG) | Number of fulltime teachers available in the institution teaching only UG courses | Number of fulltime teachers available in the institution teaching only PG courses | Number of teachers teaching both UG and PG courses |
|------|---|---|---|---|--|
| 2019 | 1497 | 275 | 18 | Nil | 13 |

2.3 – Teaching - Learning Process

2.3.1 – Percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources etc. (current year data)

| Number of Teachers on Roll | Number of teachers using ICT (LMS, e-Resources) | ICT Tools and resources available | Number of ICT enabled Classrooms | Number of smart classrooms | E-resources and techniques used |
|----------------------------|---|-----------------------------------|----------------------------------|----------------------------|---------------------------------|
| 31 | 31 | 20 | 10 | 1 | 20 |

[View File of ICT Tools and resources](#)

[View File of E-resources and techniques used](#)

2.3.2 – Students mentoring system available in the institution? Give details. (maximum 500 words)

- Yes. Indeed, a very strong teacher–student structure is established by the institution. Each student has been provided with a “guardian teacher”(Mentor). Every guardian teacher is allotted with 50-60 students (Mentee)

and is expected be attentive to student concerns, exhibit enthusiasm in solving problems and encourage the students to perform better. • The guardian teacher(Mentor) is responsible for not only academic but also emotional and social development of their allotted students.(Mentee) • Weak learners identified by guardian teacher and special focus and attention are kept on weak students to encourage them for their better performance. • Along with academic growth of students teacher also encouraged the students to participate in many activities such as cultural programs, sports events, NSS and NCC camps and others co-curricular and extracurricular activities at state and national level. • An induction program"Praveshutsav" is conducted at the beginning of the first semester to ensure that the fresher or newly admitted students are aware of their duties and rights in the institution. The students are introduced to the culture of the institution, the staff and other facilities that they can use during their academic stay. • The institution encourages every student to follow the dress code/uniform established by the institution. This imbues discipline and removes any form of inequality within the students. • Periodic assessments of students through tests and assignment are done and students are informed about their performance and are encourage performing better. • Student cells/units such as MICRANS, ZEBRA, CRYSTAL CLUB, SKY OBSERVATION CLUB, HOLY BASIL CLUB and EUREKA have been run to increase awareness about the subject as well as the society. Through these student units, students are encouraging to organise and participate various curricular and extracurricular events. • The institution has a very strong "anti-ragging" and internal complaint committee. The committee observes student activities to ensure that the campus is a "Ragging free campus" and also a "Drug free campus".

| | | |
|--|-----------------------------|-----------------------|
| Number of students enrolled in the institution | Number of fulltime teachers | Mentor : Mentee Ratio |
| 1772 | 31 | 1:57 |

2.4 – Teacher Profile and Quality

2.4.1 – Number of full time teachers appointed during the year

| No. of sanctioned positions | No. of filled positions | Vacant positions | Positions filled during the current year | No. of faculty with Ph.D |
|-----------------------------|-------------------------|------------------|--|--------------------------|
| 46 | 31 | 15 | Nil | 19 |

2.4.2 – Honours and recognition received by teachers (received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the year)

| Year of Award | Name of full time teachers receiving awards from state level, national level, international level | Designation | Name of the award, fellowship, received from Government or recognized bodies |
|---------------------------|---|---------------------|--|
| 2019 | Dr. V.D. Nanoty Principal received State level award by the hands of Guardian Minister of Akola District | Principal | Kritisheel Shikshak Puraskar |
| 2019 | Dr. Rashmi Joshi (Sawalkar) received district level award | Assistant Professor | Best NSS program officer for Akola District |
| 2020 | Dr. Rashmi Joshi (Sawalkar) | Assistant Professor | Best NSS program officer for Amravati University |
| View File | | | |

2.5 – Evaluation Process and Reforms

2.5.1 – Number of days from the date of semester-end/ year- end examination till the declaration of results during the year

| Programme Name | Programme Code | Semester/ year | Last date of the last semester-end/ year- | Date of declaration of results of semester- |
|----------------|----------------|----------------|---|---|
|----------------|----------------|----------------|---|---|

| | | | end examination | end/ year- end examination |
|---------------------------|--------------|------------|-----------------|----------------------------|
| MSc | Microbiology | IV/2019-20 | 30/10/2020 | 11/11/2020 |
| MSc | Mathematics | IV/2019-20 | 30/10/2020 | 03/12/2020 |
| MSc | Chemistry | IV/2019-20 | 30/10/2020 | 02/12/2020 |
| BSc | B.Sc. | VI/2019-20 | 30/10/2020 | 21/11/2020 |
| View File | | | | |

2.5.2 – Reforms initiated on Continuous Internal Evaluation(CIE) system at the institutional level (250 words)

? On different assessment and evaluation approach student's evaluation is based on teaching a learning procedure which helps to evaluate the student's comforts and enactments in their particular subjects, for upgradation of the students' academic performance and student's response in class- room teaching evaluation processes are carried. Students represent their inquisitiveness by questioning and discussion on the imparted topic. ? Hands-on technique and practical techniques is always efficient to develop skills among students. In teaching learning process helps us to estimate the students' interests and performances in their particular subjects, for enhancement of the students' academic performance and to evaluate student's response in class- room teaching in the evaluation method. Students make known their learning interest by asking questions and discussion on the taught topic. ? "Learning, practicing and implementation of technique is usually pragmatic for different skills. In spite of this to aware the students about different social issues, the various extension and social activities are organized. Online lectures, webinar, Online guest lectures, power point presentations, projects, student's seminar, poster competition are some of the useful teaching ways used in classroom teaching.

Entrepreneurial skills and interests are also developed in students by organizing poster competition and talk shows, workshops and training programme etc. ? The scheduled core curriculum is the like a guide of higher education and we make sure that all the events fall in place. Institute adopted Continuous Internal Evaluation (CIE) System to assess student's development in both semester and yearly. The institute has faculty wise internal evaluation process. The orientation programmes are conducted at the beginning of the semester as per guidelines and also induction Programmes are conducted by each faculty. ? Each Department informs the students about the examination pattern, schedule and regulations. Academic Calendar with Test Exam dates and Schedules are displayed on the Department's Notice Board. Result Analysis is done by the subject teachers after the test. The Principal conducts Review Meetings department wise to give necessary feedback for the improvement of students' performance. ? The Attendance committee and Result monitoring Committee conducts parent's meet whenever necessary for the discussion about the Student's progress. Remedial Classes are conducted for the slow learners. Assessments of group discussions, seminars, assignments are periodically held. Written tests help to know the performance of the students and to take remedial measure if needed. Re- Examinations are conducted for the absent students for faculty students as per university guidelines. ? This too aware the students about different social issues, the various extension and social activities are organized. Power point presentations, projects, student's seminar are some of the useful teaching ways used in classroom teaching. Entrepreneurial skills and interests are also developed in students by organizing poster completions and talk shows, etc.

2.5.3 – Academic calendar prepared and adhered for conduct of Examination and other related matters (250 words)

As per directions received from the university regarding academic calendar, the

college prepares academic calendar prior to the commencement of each session. Time table committee prepares timetable for all UG and PG programs with the help of respective heads. The academic calendar provides important information about teaching days, college examination dates, extra co-curricular activities, semester wise examinations conducted by SGB Amravati University, student's seminars, industrial visits and educational tours, guest lectures, and remedial teaching schedules. Before the beginning of every semester, respective departments prepare a detailed teaching plan distinct teachers give assignments in the departments and distribute the number of classes/lectures according to the allotted unit specimen soft copy. At the outset all the departments formulate their corresponding departmental calendars which contain the most significant dates to escort the teachers and students. Finally, this is distributed to the departmental teachers, students and also made available on college notice board. The effectiveness of the process is maintained through effective monitoring by the Principal. The college comprehends to it that all departments follow academic calendar firmly. Cultural committee also observes and celebrates special days, and birth and death anniversaries of social thinkers, philosophers, freedom fighters and saints, etc. as per given in the Academic calendar. Besides these co-curricular and extra-curricular activities are also schedules in academic calendar regarding NCC, NSS, and Sports activity.

2.6 – Student Performance and Learning Outcomes

2.6.1 – Program outcomes, program specific outcomes and course outcomes for all programs offered by the institution are stated and displayed in website of the institution (to provide the weblink)

<http://rltsc.edu.in/2019/10/23/learning-outcome/>

2.6.2 – Pass percentage of students

| Programme Code | Programme Name | Programme Specialization | Number of students appeared in the final year examination | Number of students passed in final year examination | Pass Percentage |
|----------------|----------------|--------------------------|---|---|-----------------|
| PG | MSc | Microbiology | 19 | 19 | 100 |
| PG | MSc | Mathematics | 97 | 96 | 98.97 |
| PG | MSc | Chemistry | 20 | 20 | 100 |
| UG | BSc | Science | 441 | 439 | 99.55 |

[View File](#)

2.7 – Student Satisfaction Survey

2.7.1 – Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design the questionnaire) (results and details be provided as weblink)

<http://rltsc.edu.in/wp-content/uploads/2021/04/SSS-Report-2019-20.pdf>

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 – Resource Mobilization for Research

3.1.1 – Research funds sanctioned and received from various agencies, industry and other organisations

| Nature of the Project | Duration | Name of the funding agency | Total grant sanctioned | Amount received during the year |
|-----------------------|----------|------------------------------|------------------------|---------------------------------|
| Students Research | 365 | AVISHKAR Cell Shri R.L.T. | 10000 | 10000 |

| | | | | |
|--|----|---------------------------|---|---|
| Projects (Other than compulsory by the University) | | College of Science, Akola | | |
| Major Projects | 00 | Nil | 0 | 0 |
| View File | | | | |

3.2 – Innovation Ecosystem

3.2.1 – Workshops/Seminars Conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices during the year

| Title of workshop/seminar | Name of the Dept. | Date |
|---|---|------------|
| State Level Skill develop Workshop on Fresh Water aquaculture | Shri. R.L.T. College of Science, Dept of Fishery, GOVT of Maharashtra, Asst Commissioner of Fisheries (Tech), Akola | 02/01/2020 |
| National Conference on "Recent Trends in Life Science for sustainable Development" | Shri R.L.T College of Science, Akola | 24/01/2020 |
| State Level Certificate course in Spectroscopic Technique in Chemistry (online)(STC 2020) | Chemistry Department Shri. R.L.T. College of Science, Akola | 04/04/2020 |
| State Level E-Certificate Course in Astronomy and Astrophysics | Physics Department Shri. R.L.T. College of Science | 07/05/2020 |
| National Level E-Certificate Course in Sericulture (Online) | Department of Zoology Shri. R.L.T. College of Science, Akola | 11/05/2020 |
| National Online Workshop on Operating Techniques of Scientific Instruments in Laboratory (OTSIL-2020) | Chemistry Department Shri. R.L.T. College of Science, Akola | 11/05/2020 |
| State Level Online Workshop on Intellectual Property Rights(IPR-2020) | Shri. R.L.T. College of Science, Akola | 23/05/2020 |
| Workshop on E-Certificate Course in Renewable Energy- The Demand of Feature | Physics Department Shri. R.L.T. College of Science | 25/05/2020 |
| Faculty Development Programme (FDP) on Development of E-Content | Physics Department Shri. R.L.T. College of Science | 08/06/2020 |
| Publication of Innovation and creativity magazine on occasion of World Innovative day on 21st April 2020. | Department of Chemistry Shri R.L.T.College of Science, Akola | 21/04/2020 |

3.2.2 – Awards for Innovation won by Institution/Teachers/Research scholars/Students during the year

| Title of the innovation | Name of Awardee | Awarding Agency | Date of award | Category |
|--|---|--|---------------|---|
| 2nd Prize for Best poster Presentation | Dr. S.R. Kohchale | Seth Kesarimal Porwal College of Arts and Science, Kamptee and ISCAS | 20/12/2019 | National Conference, Seth Kesarimal Porwal College of Arts and Science, Kamptee |
| 1st Prize for Best Oral Presentation | Dr. S.R. Kohchale | Shri R.L.T College of Science, Akola | 24/01/2020 | National Conference, Shri R.L.T College of Science, Akola |
| 2nd Prize Best Poster Presentation | Dr. S.R. Kohchale | Dr. Ambedkar College, Nagpur | 01/02/2020 | National Conference, Dr. Ambedkar College, Nagpur |
| 2nd Prize for Best Poster Presentation | Miss Kalpana S. Palaspagar (Research Scholar) | Shri Shivaji Science College, Amravati | 18/12/2019 | National Conference, Shri Shivaji Science College, Amravati |
| Best Oral Presentation | Miss Shraddha Akhare (M.Sc.II Chemistry) | Shri. R.L.T. College of Science, Akola | 24/01/2020 | National Conference , Shri R.L.T. College of Science, Akola |
| Colour Coat in Avishkar Research Project | Miss Shraddha Akhare (M.Sc.II Chemistry) | SGB Amravati University Amravati | 14/01/2020 | AVISHKAR Research Festival Competition , SGBAU, Amravati |
| Colour Coat in Avishkar Research Project | Mr. Anuraj G. Chauhan (B.Sc. Students) | SGB Amravati University Amravati | 14/01/2020 | AVISHKAR Research Festival Competition , SGBAU, Amravati |
| View File | | | | |

3.2.3 – No. of Incubation centre created, start-ups incubated on campus during the year

| Incubation Center | Name | Sponsored By | Name of the Start-up | Nature of Start-up | Date of Commencement |
|-------------------|------|--------------|-----------------------------|-------------------------------|----------------------|
| Nil | Nil | Nil | Sericulture Diploma Course | Entrepreneur Start up Program | 01/12/2020 |
| Nil | Nil | Nil | Diploma Course in Astronomy | Entrepreneur Start up Program | 01/12/2020 |

[View File](#)

3.3 – Research Publications and Awards

3.3.1 – Incentive to the teachers who receive recognition/awards

| State | National | International |
|-------|----------|---------------|
| 10 | 03 | 01 |

3.3.2 – Ph. Ds awarded during the year (applicable for PG College, Research Center)

| Name of the Department | Number of PhD's Awarded |
|------------------------|-------------------------|
| Mathematics | 2 |

3.3.3 – Research Publications in the Journals notified on UGC website during the year

| Type | Department | Number of Publication | Average Impact Factor (if any) |
|---------------|--------------|-----------------------|--------------------------------|
| International | Microbiology | 1 | 3.5 |
| International | Chemistry | 8 | 3.0 |
| International | Zoology | 6 | 3.9 |
| International | Botany | 3 | 3.5 |
| International | Physics | 1 | 0.97 |

[View File](#)

3.3.4 – Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year

| Department | Number of Publication |
|------------|-----------------------|
| Physics | 1 |

[View File](#)

3.3.5 – Bibliometrics of the publications during the last Academic year based on average citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index

| Title of the Paper | Name of Author | Title of journal | Year of publication | Citation Index | Institutional affiliation as mentioned in the publication | Number of citations excluding self citation |
|--|------------------|--|---------------------|----------------|---|---|
| Determination of sun protection factor of ecofriendly formulated sunscreen lotion. | Dr. P.T. Agrawal | Vidyabharti International Interdisciplinary research journal | 2020 | Nil | Shri R L T College of Science, Akola | Nil |
| Simultaneous potentiometric determination of pharmaceutically potent aceclofena | Dr. P.P. Deohate | Vidyabharti International Interdisciplinary research journal | 2020 | Nil | Shri R L T College of Science, Akola | Nil |

| | | | | | | |
|--|------------------|---|------|-----|--------------------------------------|-----|
| c paracetamol combination drugs in non-aqueous medium | | | | | | |
| Synthesis and Evaluation of Antibacterial activities of biogenic silver nanoparticles from Bacterial isolates of lonar lake. | Dr. H.S. Malpani | Vidyabharti International Interdisciplinary research journal | 2020 | Nil | Shri R L T College of Science, Akola | Nil |
| Microwave assisted synthesis of pyrimidine linked dithiadiazines by sulphur-sulphur bond formation through cyclocondensation and study of antimicrobial properties | Dr. P.P. Deohate | Vidyabharti International Interdisciplinary Research Journal, | 2020 | Nil | Shri R L T College of Science, Akola | Nil |
| HPLC purification technique: synthesis of unsymmetrical thioarbituric acids. | Mr. V.D. Deotale | Elsevier-Heliyon, | 2019 | 1 | Shri R L T College of Science, Akola | Nil |
| Acid Catalyzed Knoevenagel condensation of Th | Mr. V.D. Deotale | Synthetic Communication | 2020 | Nil | Shri R L T College of Science, Akola | Nil |

| | | | | | | |
|--|-------------------------------|---|------|-----|--------------------------------------|-----|
| ioarbituric acid and Aldehyde at room temperature. | | | | | | |
| A Microwave Assisted Synthesis of 1-Tetra-O-acetyl-β-D-glucosyl-3-aryl-carbamide and their Comparative Studies | Dr.A.G.S arap | Vidyabharti International Interdisciplinary Research Journal (VIIRAJ) | 2020 | Nil | Shri R L T College of Science, Akola | Nil |
| Phytochemical and medicinal uses of argyrea nervosa plant | Dr.S.M.N agrale | Vidyabharti International Interdisciplinary Research Journal, | 2020 | Nil | Shri R L T College of Science, Akola | Nil |
| Impact of Zinc sulphate on gills of fish <i>Ophiocephalus punctatus</i> | Dr. A.S. Sawarkar | Bioscience Biotechnology Research Communication | 2019 | Nil | Shri R L T College of Science, Akola | Nil |
| Variation in catalase activity in the silk worm <i>Bombyx mori</i> during, infection with Bacterial Flacherie | Dr.Rashmi P. Joshi (Sawalkar) | Bioscience Biotechnology Res. Comm BBRC | 2019 | Nil | Shri R L T College of Science, Akola | Nil |
| View File | | | | | | |

3.3.6 – h-Index of the Institutional Publications during the year. (based on Scopus/ Web of science)

| Title of the Paper | Name of Author | Title of journal | Year of publication | h-index | Number of citations excluding self citation | Institutional affiliation as mentioned in the publication |
|--------------------|------------------|------------------|---------------------|---------|---|---|
| HPLC purification | Mr. V.D. Deotale | Elsevier-Heliyon | 2019 | 1 | Nil | Shri Mathuradas |

| | | | | | | |
|--|--|--|--|--|--|-----------------------------------|
| technique: synthesis of unsymmetrical thio barbituric acids. Vol. 5(7), e-page no. e2008 | | | | | | Mohota College of Science, Nagpur |
|--|--|--|--|--|--|-----------------------------------|

[View File](#)

3.3.7 – Faculty participation in Seminars/Conferences and Symposia during the year :

| Number of Faculty | International | National | State | Local |
|-----------------------------|---------------|----------|-------|-------|
| Attended/Seminars/Workshops | Nil | 28 | Nil | 20 |
| Presented papers | Nil | 26 | Nil | Nil |
| Resource persons | 1 | 2 | 4 | 5 |

[View File](#)

3.4 – Extension Activities

3.4.1 – Number of extension and outreach programmes conducted in collaboration with industry, community and Non- Government Organisations through NSS/NCC/Red cross/Youth Red Cross (YRC) etc., during the year

| Title of the activities | Organising unit/agency/ collaborating agency | Number of teachers participated in such activities | Number of students participated in such activities |
|--|---|--|--|
| Blood Donation Camp on | NSS unit in Collaboration with "Hedgewar Blood Bank" Akola. | 4 | 37 |
| Road Safety Week : Essay Competition, Posters Slogans, Awareness Rally and Street Plays. | NSS unit in Collaboration with Deputy Regional Transport Department Akola. | 3 | 30 |
| Disaster Management Preparedness e-workshop . | Shri R.L.T. College DMC Unit in collaboration with Life Long Learning and Extension , SGBAU, Amravati, District Disaster Unit Akola | 5 | 200 |
| One Day Soyabean Prashikshan karyashala: Training to the rural women about, How to Make 7 different products | NSS unit with Tanishk Group: Sakal social media groupat adopted village Apotikd. | 2 | 67 |

| | | | |
|---|--|---|-----|
| from Soyabean? | | | |
| Awareness Campaign "Masik Pali EkVardaan" | NSS Unit and Kshitij Foundation with SWAS Team, Akola Police. | 2 | 100 |
| Plantation Drive and Sapling Distribution at Shivapur and Suncity Malkapur. | NSS and NCC Unit in collaboration with Forest Office Akola, | 3 | 50 |
| Health Camps: Motibindu mukta gaon: Free Eye Checkup Camp at Adopted Village: | NSS unit and Dr. Shirish Thorat , Eye Surgeon and team, akola | 3 | 100 |
| Women Empowerment: Guest Lecture and Legal awareness camp | NSS and SWAS Team Superintendent of Police Office Akola, | 3 | 100 |
| Unnat Bharat Abhiyan: Family Survey of 5 adopted village: Apoti kd., Apoti Budruk, Aapatapa, Aakatwada, and Sultanpur | NSS unit in Collaboration with UBA and Villagers of the 5 different adopted villages | 3 | 100 |
| Awareness programme voting procedure : "Mock Poll" | NSS and NCC unit and Collector Office, Akola and Z.P Akola | 5 | 80 |
| View File | | | |

3.4.2 – Awards and recognition received for extension activities from Government and other recognized bodies during the year

| Name of the activity | Award/Recognition | Awarding Bodies | Number of students Benefited |
|---|---|---|------------------------------|
| Swaccha Bharat Abhiyan | Best Institute Swacchata Puraskar at university level for the year 2019-20. | NSS unit of Sant Gadge Baba Amravati University, Amravati | 200 |
| "Utkarsha: 2019-20" Social and Cultural Competition | State level Best Lady Team Manager award at North Maharashtra University, Jalgaon | NSS State Level Cultural and Social Competition by Higher and Technical Education, Dept., Govt. of Maharashtra. | 200 |
| NSS program officer -State level | State level Best Program officer | NSS unit of SGBAU, Amravati | 200 |
| Tug of War | Gold Medal | NCC, TSC, New | 2 |

| | | | |
|---|--------------|------------------------|---|
| Competition in TSC, New Delhi | | Delhi | |
| Map Reading competition in TSC, New Delhi | Bronze Medal | NCC, TSC, New Delhi | 1 |
| View File | | | |

3.4.3 – Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year

| Name of the scheme | Organising unit/Agency/collaborating agency | Name of the activity | Number of teachers participated in such activities | Number of students participated in such activities |
|---|---|---|--|--|
| AVISHKAR Research Festival | AVISHKAR Research Festival - SGBAU, Amravati | AVISHKAR Research Festival : Project Competition | 3 | 8 |
| Youth Festival - SGBAU, Amravati | Youth Festival - SGBAU, Amravati | Youth Festival Cultural Activity | 2 | 26 |
| COVID-19 Awareness Campaign | NSS Unit | 1. COVID-19 awareness Quiz in Marathi for villagers in adopted village Apoti kd. 2. Food Kits Distribution to needy families in lockdown. 3. WHO one day training courses On COVID-19 was done by teachers and students. 4. Mask stitching, making by v | 1 | 50 |
| International Yoga day | NSS unit And Speaker From Spurti Yoga | Webinar on "My Family: My Yoga" | 3 | 65 |
| Women Empowerment: Guest Lecture and Legal awareness camp | NSS and SWAS Team SP Office Akola, | 1.Guest Lectures: Adv. Nilima Manorkar and Dr. Swapna Lande 2.Legal Awareness for women against domestic violence. | 3 | 100 |
| Unnat Bharat Abhiyan: Family | NSS unit in Collaboration | 5 adopted village: Apoti | 3 | 100 |

| | | | | |
|---|--|---|---|-----|
| Survey of 5 adopted village: Apotikd., Apoti Budruk, Aapatapa, Aakatwada, and Sultanpur | with UBA and Villagers of the 5 different adopted village | khurd., Apoti Budruk, Aapatapa, Aakatwada, and Sultanpur | | |
| Free blood group Checkup Camp and awareness about health and hygiene. | NSS Unit and Department of Biochemistry of Shri RLT College of Science, Akola. | Blood group free checkup camp for school students at Apotikd. | 5 | 100 |
| Free camp for women Health and Hygiene at adopted village | NSS Unit and Kshitij Foundation with SWAS Team, Akola Police. | "Masik Pali EkVaradaan" | 1 | 117 |
| "Self Employment for Women" | NSS unit with Tanishk Group: Sakal social media group at adopted village Apotikd. | One Day Soyabean Prashikshan karyashala: Training to the rural women about, How to Make 7 different products from Soyabean? | 1 | 67 |
| "Plastic Bags Banned" on 2nd Oct 2019 under Swaccha Bharat Abhiyan. | NCC, NSS Unit in Collaboration with Rotary Club Akola and Municipal Corporation Akola. | Swaccha Bharat Abhiyan: Single Plastic Ban Campaign | 5 | 132 |

[View File](#)

3.5 – Collaborations

3.5.1 – Number of Collaborative activities for research, faculty exchange, student exchange during the year

| Nature of activity | Participant | Source of financial support | Duration |
|---|-------------|---------------------------------------|----------|
| Student Exchange Programme M.Sc. Chemistry | 05 | Shri R.L.T. College of Science, Akola | 06 |
| National Conference on NCMRST-2020 | 100 | Shri R.L.T. College of Science, Akola | 01 |
| International Guest lecture for research scholars | 35 | Shri R.L.T. College of Science, Akola | 01 |
| National Integration Camp, | 01 | Sant Gagdebaba Amravati | 07 |

| | | | |
|---|----|--|----|
| Assam | | University, Amravati | |
| State level competition on social and cultural activity | 02 | Sant Gagdebaba Amravati University, Amravati | 04 |
| TCS Camp at New Delhi | 04 | NCC Unit Akola | 12 |
| Army Attachment Camp , Ahmadnagar | 03 | NCC Unit Akola | 15 |
| View File | | | |

3.5.2 – Linkages with institutions/industries for internship, on-the- job training, project work, sharing of research facilities etc. during the year

| Nature of linkage | Title of the linkage | Name of the partnering institution/ industry /research lab with contact details | Duration From | Duration To | Participant |
|---------------------------|----------------------|---|---------------|-------------|-------------|
| Student Project | DCLT Project | Akola Blood Bank, Akola | 01/07/2019 | 30/07/2019 | 14 |
| Student Project | DCLT Project | Shriram Pathology, Akola | 01/07/2019 | 30/07/2019 | 18 |
| Student Project | DCLT Project | Dr. Hedgewar Blood Bank, Akola | 01/07/2019 | 30/07/2019 | 12 |
| Student Project | CCLT Project | Naren Biochemical Lab., Akola | 01/07/2019 | 30/07/2019 | 14 |
| Student Project | CCLT Project | Life Care Clinical Lab., Akola | 01/07/2019 | 30/07/2019 | 17 |
| Student Project | CCLT Project | Nidan Pathology Lab., Akola | 01/07/2019 | 30/07/2019 | 11 |
| View File | | | | | |

3.5.3 – MoUs signed with institutions of national, international importance, other universities, industries, corporate houses etc. during the year

| Organisation | Date of MoU signed | Purpose/Activities | Number of students/teachers participated under MoUs |
|--|--------------------|--|---|
| District Sericulture office, MIDC Akola. | 29/07/2020 | Training Programme through Diploma Course in Sericulture | 32 |
| View File | | | |

CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES**4.1 – Physical Facilities**

4.1.1 – Budget allocation, excluding salary for infrastructure augmentation during the year

| Budget allocated for infrastructure augmentation | Budget utilized for infrastructure development |
|--|--|
| 3500000 | 3859000 |

4.1.2 – Details of augmentation in infrastructure facilities during the year

| Facilities | Existing or Newly Added |
|--|-------------------------|
| Classrooms with Wi-Fi OR LAN | Existing |
| Number of important equipments purchased (Greater than 1-0 lakh) during the current year | Existing |
| Others | Existing |
| Value of the equipment purchased during the year (rs. in lakhs) | Existing |
| Video Centre | Newly Added |
| Classrooms with LCD facilities | Existing |
| Seminar Halls | Existing |
| Laboratories | Existing |
| Class rooms | Existing |
| Campus Area | Existing |
| View File | |

4.2 – Library as a Learning Resource

4.2.1 – Library is automated {Integrated Library Management System (ILMS)}

| Name of the ILMS software | Nature of automation (fully or patially) | Version | Year of automation |
|---------------------------|--|---------|--------------------|
| SOUL-2 | Fully | 2.0 | 2015 |

4.2.2 – Library Services

| Library Service Type | Existing | | Newly Added | | Total | |
|----------------------|----------|---------|-------------|--------|-------|---------|
| | | | | | | |
| Text Books | 20549 | 3027851 | 290 | 111242 | 20839 | 3139093 |
| Text Books | 13537 | 882002 | 194 | 74161 | 13731 | 956163 |
| e-Books | 93809 | Nill | Nill | Nill | 93809 | Nill |
| Journals | 16 | 30438 | Nill | Nill | 16 | 30438 |
| e-Journals | 4137 | Nill | Nill | Nill | 4137 | Nill |
| Digital Database | Nill | Nill | Nill | Nill | Nill | Nill |
| CD & Video | 131 | Nill | Nill | Nill | 131 | Nill |
| Library Automation | 1 | 25000 | Nill | Nill | 1 | 25000 |

| | | | | | | |
|---------------------------|-----|-----|-----|------|-----|------|
| Weeding (hard & soft) | Nil | Nil | 210 | 4000 | 210 | 4000 |
| Others (specify) | 100 | Nil | 50 | Nil | 150 | Nil |
| View File | | | | | | |

4.2.3 – E-content developed by teachers such as: e-PG- Pathshala, CEC (under e-PG- Pathshala CEC (Under Graduate) SWAYAM other MOOCs platform NPTEL/NMEICT/any other Government initiatives & institutional (Learning Management System (LMS) etc

| Name of the Teacher | Name of the Module | Platform on which module is developed | Date of launching e-content |
|----------------------------|---|---------------------------------------|-----------------------------|
| Dr.Rashmi Joshi (Sawalkar) | e-pathshala (Institutional) | Google classroom Video | 07/04/2020 |
| Mr. D.S .Viadyasagr | e-pathshala(Institutional) | Google classroom youtube | 15/04/2020 |
| Dr.H.S.Malpani | e-pathshala(Institutional) | Google classroom you tube | 13/05/2020 |
| Dr. P.P.Deohate | e-pathshala(Institutional) | Google classroom youtube | 10/04/2020 |
| Mr.Ram Ghayalkar | e-pathshala(Institutional) | Google classroom youtube | 08/06/2020 |
| Dr.S.R.Kohchale | e-pathshala(Institutional) | Google classroom youtube | 18/06/2020 |
| Dr. Poonam T. Agrawal | Publication of Online Innovation Magazine | College website | 21/04/2020 |
| Dr. Poonam T. Agrawal | online workshop on chemistry practical | college website | 17/05/2020 |
| Dr. Poonam T. Agrawal | video lecture | you tube | 14/04/2020 |
| View File | | | |

4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

| Type | Total Computers | Computer Lab | Internet | Browsing centers | Computer Centers | Office | Departments | Available Bandwidth (MBPS/GBPS) | Others |
|----------|-----------------|--------------|----------|------------------|------------------|--------|-------------|---------------------------------|--------|
| Existing | 96 | 46 | 52 | 9 | 6 | 9 | 14 | 2 | 0 |
| Added | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| Total | 96 | 46 | 52 | 9 | 6 | 9 | 14 | 3 | 0 |

4.3.2 – Bandwidth available of internet connection in the Institution (Leased line)

| |
|----------------|
| 100 MBPS/ GBPS |
|----------------|

4.3.3 – Facility for e-content

| | |
|--|---|
| Name of the e-content development facility | Provide the link of the videos and media centre and |
|--|---|

| | |
|---|---|
| | recording facility |
| College has developed e-content facility in the form of media center containing all necessary requirements along with editing software like OBS, open shot, video pad etc. and https://www.screencastify.com / https://screencast-o-matic .com (Online | http://rltsc.edu.in/wp-content/uploads/2021/04/criteria-IV-4.3.3-AOAR-20pdf |

4.4 – Maintenance of Campus Infrastructure

4.4.1 – Expenditure incurred on maintenance of physical facilities and academic support facilities, excluding salary component, during the year

| Assigned Budget on academic facilities | Expenditure incurred on maintenance of academic facilities | Assigned budget on physical facilities | Expenditure incurred on maintenance of physical facilities |
|--|--|--|--|
| 600000 | 658000 | 3500000 | 3839000 |

4.4.2 – Procedures and policies for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc. (maximum 500 words) (information to be available in institutional Website, provide link)

The institution is well aware regarding the adequate infrastructural facilities for effective teaching learning. Infrastructure is enhanced on the basis of student strength, new introduced courses and various academic programs. The college management plays important role in improving infrastructure as per the requirement. It takes keen interest and efforts to create and enhance the physical facilities to provide quality education. At the beginning of every academic year the infrastructural requirements are presented by the Principal in College Development Committee Meeting. The budget requirements are analyzed and sanctioned by the college management. The budget provision is also made available for the renovation of the infrastructure. The institution has building committee. In addition the college applies to Government/University and U.G.C. for additional Grant in aid. For purchasing equipment /apparatus quotations are invited the equipment is purchased from the vendor with lowest quote. The record of the equipment is maintained in the stock register. At the end of each financial year the college carries out an internal financial audit. Physical verification of laboratory equipment is done every year to ensure the maintenance of laboratories. • For the maintenance and upkeep of the infrastructure facilities and equipments of the college, budgetary provisions are made in the College Development Committee. • The management has appointed architect shri. Amit Rathi to ensure the upkeep and maintenance of all infrastructure facilities like building, Laboratory, classrooms, furniture etc. • Mr. Bablu Nare is deployed as electrician for maintenance of electrical equipments, wiring and faults finding and repair. • The maintenance of computer accessories is taken by Mr. Uday Shah of Siddharth Computers, Akola. • Machineries and equipments are maintained by hiring services of experts from respective fields while minor repairs are carried out internally based on requisition by concerned head of department • LCD projectors and microscopes are maintained by Mr. Amit Kolhatkar of Digitech systems, Akola. Following steps have been taken for location, upkeep and maintenance of sensitive equipments. • The institution has 10 KVA Generator. It is connected to all Laboratories, library, office and all classrooms in case of major power failure. • 7.5 KVA online UPS has been provided to Computers in Computer Science I.T. Laboratory • Each department has Inverter facility in case of Power failure. • Constant water supply is maintained through bore well and two municipal water connections, water tanks and overhead water tanks in college premises. There are in all 17 water tanks and one underground water

tank. For the Chemistry, Microbiology experiments, LPG gas is used for heating. In these departments secured and safe gas pipeline is installed by expert technicians. Safety valves are fixed at each working table. Gas cylinders are kept outside the laboratories in chambers. All departments and library are equipped with fire extinguishers.

CRITERION V – STUDENT SUPPORT AND PROGRESSION

5.1 – Student Support

5.1.1 – Scholarships and Financial Support

| | Name/Title of the scheme | Number of students | Amount in Rupees |
|--------------------------------------|--------------------------|--------------------|------------------|
| Financial Support from institution | Financial Support | 10 | 10000 |
| Financial Support from Other Sources | | | |
| a) National | Scholarships | 1232 | 2347336 |
| b) International | Nil | Nil | 0 |

[View File](#)

5.1.2 – Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,

| Name of the capability enhancement scheme | Date of implementation | Number of students enrolled | Agencies involved |
|---|------------------------|-----------------------------|---|
| Skill Development Programme on Fresh Water Aqua Culture | 02/01/2020 | 25 | Asst. Commissioner of Fisheries(Tech), Govt. Of Maharashtra |
| Soft Skill Development Programme | 03/10/2020 | 50 | Sant Gadge Baba Amravati University, Amravati |
| Yoga and Meditation | 21/06/2020 | 123 | Shri R L T College of Science, Akola |
| Bridge course: Android Application Development | 11/09/2019 | 36 | Micro Spectra Software Tech Pvt.Ltd. Khamgaon |
| FDP on Latex (Software Development) | 11/09/2019 | 49 | IIT Bombay |
| Bridg Course on Spoken Tutorials Project | 13/03/2020 | 50 | IIT Bombay |

[View File](#)

5.1.3 – Students benefited by guidance for competitive examinations and career counselling offered by the institution during the year

| Year | Name of the scheme | Number of benefited students for competitive examination | Number of benefited students by career counseling | Number of students who have passed in the comp. exam | Number of students placed |
|------|--------------------|--|---|--|---------------------------|
| | | | | | |

| | | | | | |
|---------------------------|--|-----|------------|----|----|
| | | | activities | | |
| 2020 | Competitive examination and Carrier Counseling | 100 | 26 | 80 | 13 |
| View File | | | | | |

5.1.4 – Institutional mechanism for transparency, timely redressal of student grievances, Prevention of sexual harassment and ragging cases during the year

| | | |
|---------------------------|--------------------------------|---|
| Total grievances received | Number of grievances redressed | Avg. number of days for grievance redressal |
| Nil | Nil | Nil |

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

| On campus | | | Off campus | | |
|-------------------------------|---------------------------------|---------------------------|--|---------------------------------|---------------------------|
| Name of organizations visited | Number of students participated | Number of students placed | Name of organizations visited | Number of students participated | Number of students placed |
| Nil | Nil | Nil | Indian Army, Collector office, Akola Indian Bank, Serum Institute, Pune, CSIR, Jammu, GMC Washim etc | 13 | 13 |
| View File | | | | | |

5.2.2 – Student progression to higher education in percentage during the year

| Year | Number of students enrolling into higher education | Programme graduated from | Department graduated from | Name of institution joined | Name of programme admitted to |
|------|--|--------------------------|---------------------------|---|-------------------------------|
| 2020 | 10 | BSc III | Science Dept. | Sant Gadge Baba Amravati University, Amt. | BEd |
| 2020 | 10 | BSc III | Science Dept. | Pune University | MBA |
| 2020 | 6 | BSc III | Science Dept. | Sant Gadge Baba Amravati University, Amt. | M.Sc |
| 2020 | 4 | BSc III | Science Dept. | G.N.Azad Science College, Barshi Takli | M.Sc |

| | | | | | |
|---------------------------|----|---------|---------------|------------------------------------|------|
| 2020 | 50 | BSc III | Science Dept. | Shri RLT College of Science, Akola | M.Sc |
| View File | | | | | |

5.2.3 – Students qualifying in state/ national/ international level examinations during the year (eg:NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services/State Government Services)

| Items | Number of students selected/ qualifying |
|---------------------------|---|
| SET | 2 |
| Any Other | 2 |
| View File | |

5.2.4 – Sports and cultural activities / competitions organised at the institution level during the year

| Activity | Level | Number of Participants |
|--------------------------------|---------------|------------------------|
| Special NSS Camp at Apoti (Bd) | College Level | 100 |
| Republic Day | College Level | 225 |
| Independance Day | College Level | 200 |
| Tug of War (Men) | College Level | 60 |
| Chess (Women) | College Level | 10 |
| Chess (Men) | College Level | 8 |
| Badminton (Men) | College Level | 15 |
| Badminton (Women) | College Level | 12 |
| Suryanamaskar (Men) | College Level | 10 |
| Suryanamaskar (Women) | College Level | 10 |
| View File | | |

5.3 – Student Participation and Activities

5.3.1 – Number of awards/medals for outstanding performance in sports/cultural activities at national/international level (award for a team event should be counted as one)

| Year | Name of the award/medal | National/ Internaional | Number of awards for Sports | Number of awards for Cultural | Student ID number | Name of the student |
|---------------------------|-------------------------|------------------------|-----------------------------|-------------------------------|-------------------|---------------------|
| 2020 | Bronze Medal | National | Nill | 1 | Nill | Mr. Bhushan Gawali |
| 2019 | Nill | Nill | Nill | Nill | Nill | Nill |
| View File | | | | | | |

5.3.2 – Activity of Student Council & representation of students on academic & administrative bodies/committees of the institution (maximum 500 words)

Student Council is an organization conducted by students and supervised by principal and senior faculty members of the college . The purpose of the student council is to give students an opportunity to develop leadership by organizing and carrying out the activities and service projects. In addition to planning events that contribute to college spirit and community welfare, the student council is the voice of the student body. They help share student

ideas, interests and concerns with the college wide community. It also helps to promote the interests of students among the Institute administration, staff, to identify and help to solve the problems encountered by students and keep overall environment of the institute friendliness. • The nomination of all the members of the students council will be held as per the rules prescribed by the University. • The Students' Council shall consist of the following: 1. One student from BSc II year or III year , who has shown academic merit at the examination held in the preceding year and who is engaged in full-time studies in the college, having good communication skills , good character are nominated by the departments and approved by the Principal as chairman of the committee. Students canvass for their candidature before the poll in August of every academic year. The candidates elected by the students are appointed as the Student President and the Student Secretary of the College. The students Council of College includes various activities such as general assembly, dissemination over intercom the information regarding the dates of competitions, meetings, various Student Welfare Schemes and celebrating functions such as, Inauguration of various departments, Junior Welcome, Independence Day, Teachers Day, Republic Day, Sports Day, International Women's Day, College Annual Day, Farewell. The student's representatives serve in almost all academic and administrative bodies of the college such as IQAC, Library Association, Youth Welfare and Students Service Association, Anti Ragging Cell, Placement and Career Guidance Cell, NSS, NCC, Physical Education Committee. Role of Student Representatives ? Conduct competitions in Inter-collegiate meets ? Arrange meetings and conferences ? Disseminate the information from the College Union and other Bodies to all students ? Conduct Quiz Competitions on current affairs ? Organize programmes in NSS and NCC Special Camps ? Arrange study tour and Environmental Studies field trip ? Celebrations of important days like Renewable energy day, World literacy day etc. ? Celebration of Nationally important days like Independence day, Republic day etc., to develop the feeling and sense of nationalism ? NSS day celebration on 24th September

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

Shri Radhakisan Laxminarayan Toshniwal College of Science, Akola commonly known as Shri RLT College of Science, Akola is one of the premier institute in Central Vidarbha. This year the college is celebrating its Golden Jubilee year as it completed its 50 years of establishment. The college provides the quality education to the students of UG, PG and PhD in Science. During this golden period of the college number of students gained their degrees and have been placed on some very important position in government sector, private sector, Industries few of them get settled at abroad also. It is very important to maintained the relationship with this stakeholders, the college has setup the Alumni Association and registered these students as an Alumni of the institute. Yes , the college has registered its alumni association in the year 2019 through the office of Charity Commissioner, Akola and the registration number is F-20205. The secretary of the alumni association call the meetings with the other members of the association at least 4 times in a year to chalk out the planning of association regarding students welfare programme, college development , placements and other issues related with betterment of the college. The discussion and suggestions of the house get recorded as a minutes of the meeting. A separate bank account is opened in the name of Alumni Association and the generated fund or contribution by the alumni deposited in this account every year. The deposited money is utilized for the betterment of the students and for other progressive work.

5.4.2 – No. of enrolled Alumni:

300

5.4.3 – Alumni contribution during the year (in Rupees) :

10000

5.4.4 – Meetings/activities organized by Alumni Association :

There are 4 meetings of Alumni were arranged during the academic year 2019-20 on dated 13th December 2019, 20 December 2019, 24 December 2019 and 10 March 2020. The various activities were organised through Alumni Association.

CRITERION VI – GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 – Institutional Vision and Leadership

6.1.1 – Mention two practices of decentralization and participative management during the last year (maximum 500 words)

College follows all government policies teaching and non-teaching staff work together to achieve the policies. 1. Most important part i.e. teaching and learning process amongst the student is maintained by appointing faculty member as guardian teacher under guidance of Principal teacher guardian scheme is implemented. Dr. P. M. Khadse, Assistant Professor Department of Botany appointed as coordinator of guardian teacher scheme. Each teacher as a guardian maintains the performance of student also acts as liaison between student and college administration providing help regarding scholarship, examination related issues, personal counselling of students etc. guardian teacher maintains record of presently, performance also analyses results and solves query of student. 2. College mainly focus on empowering the faculty members all heads of the department are given freedom to work. All heads of the Department work hard for the smooth functioning of college administration. Head of the Departments play vital role in admission of students preparing time table, and many works. College has purchase committee which is consists of all head of the departments under chairmanship of Principal of college, it reviews the requirement of purchasing equipment for research, laboratories, and regular maintenance of activities faculty members are empowered and given full freedom to organize events and to participate. College motivates and encourages teacher to develop leadership quality by being chairmen, In-charge of Academic, co-curricular, extra-curricular activities.

6.1.2 – Does the institution have a Management Information System (MIS)?

Yes

6.2 – Strategy Development and Deployment

6.2.1 – Quality improvement strategies adopted by the institution for each of the following (with in 100 words each):

| Strategy Type | Details |
|------------------------|---|
| Curriculum Development | ? Curriculum Development 1. College comes under 2F and 12B section and is affiliated to Sant Gadge Baba Amravati University, Amravati. Syllabus is framed by Board of studies of University and is followed by all colleges of university. Dr. V. D. Nanoty and Dr. U. K. Bhalekar selected as Members of Board of studies and provided valuable suggestions. 2. Teachers are allowed to attend curriculum related workshop to make |

constructive suggestion. 3. College already has add on courses CCLT, DCLT and ADCLT, to enhance employability college applied for add on courses and University has given three courses namely Diploma in Sericulture, Diploma in Astronomy and Renewable energy sources. 4. Syllabus of above said courses are framed by faculty members of College. 5. College conducts field visits, group discussion, Seminar, Projects as part of curriculum. 6. Following field visits were organized in session 2019-20

1. Department of Physics and Chemistry visited CSIR-Indian Institute of Chemical Technology, Hyderabad also visited Birla Planetarium and museum Salar Jung Museum on the occasion of Science day 28 Feb 2020 and 29 Feb 2020.
2. Study tour to Mahan Purification centre on 11th October 2019, 110 students participated.
3. Visit to Katepurna Wild life sanctuary on 5th of October 2019 organized by Department of Zoology.

Teaching and Learning

1. College motivates teacher to use ICT tools four digital rooms provides necessary facility for teachers.
2. Teachers are motivated to attend ICT based workshop and to organize. ICT based workshop was organized dated 20/09/2019 on Google Classroom Lecture delivered by Dr. R. D. Bhojar Assistant Professor Department of Computer Science.
3. Teacher uploads lectures on You tube, notes are provided in PDF formats, study material links made available on college website for students for easy access.
4. Teacher Conducts Group discussions, Field visit, industrial visits, Debates, quizzes, paper presentations etc.
5. Guardian teacher focus on learning issues of student's, fast learner and slow learner are identified.
6. Slow and fast learners are identified by respective guardian teachers, college conducts remedial coaching classes

Examination and Evaluation

? Examination and Evaluation

1. Information regarding examination, filling forms schedule, time table, results etc. displayed on Notice board also is displayed on college website to provide information message related to exams, important information is flanked on digital board.
2. College follows

ICT enabled University reforms like submission of University exam forms, online practical, theory, internal assessment marks. 3. College has appointed exam coordinator Dr. R. L. Rahatgaonkar who monitors, reports and acts as liaison between University, College and Student. 4. Grievance regarding examination and evaluation are observed by exam coordinator and necessary actions are taken to resolve the problem of student. 5. Teachers are guided by the rules and regulations of University and supervision of duty. 6. Unit Test is conducted regularly in each semester. 7. As per the academic calendar Unit test are conducted and are evaluated by the teachers, marks are displayed on boards. 8. For failure students improvement test is conducted. 9. Question bank is made available to the students and students are assisted in solving them. 10. Test Practical examinations are also conducted by each department after the completion of the course. 11. In staff council meeting Student feedback about teacher is analyzed and communicated to the teacher for improvement of teaching. 12. Students are guided by college exam coordinator about revaluation, rechecking and challenge evaluation. ?

Research and Development 1. As per vision and mission of college scientific temperament is maintained through many scientific activities like science exhibition, Seminars, Research projects, poster competition etc. 2. College has four recognised research centres and 06 recognised supervisors of affiliating university. 3. Science magazine "Info-science" published biannually which includes scientific articles and research papers of students and teachers. 4. College authorities motivate faculties for books and paper publications. 5. Students are guided to participate in Avishkar research festival and for paper/poster presentation in conferences/symposia/seminars. 6. College already formed Avishkar Committee who monitors the research activity, students for participation in Avishkar motivated through lectures by renowned persons from various fields. 7. District level teachers Coordinators meet was organized for Avishkar-19 on

19-09-2019. 8. This year college hosted District level Avishkar Intercollegiate level research competition on 10/01/2020. 9. After participation and Selection from District level 08 participants participated at University level, and 02 students participated at state level. 10. All the staff members actively participated in conferences and papers are published by the faculty member in reputed journals. 11. College laboratories are fully equipped with advanced instruments and equipment's. 12. This year pre Ph. D. course was started in college following guidelines of University total 10 students were enrolled for the course. 13. Ku. Priti P. Umalkar awarded Ph. D. on 12-12-2019 and Shri. R. P. Navnaware awarded Ph. D. on 16-03-2020 under guidance of Dr. S. M. Padhye former HOD of Department of Mathematics.

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Library, ICT and Physical Infrastructure / Instrumentation

? Library, ICT and Physical Infrastructure / Instrumentation 1. Library has been constantly improvising and implementing new ideas. Application of new ideas and methods gives creativity and new knowledge Library has marched on same path various subject new books introduced. Fully atomised using SOUL 2 software. 2. Magazines, Journals, Periodicals, Reference Books, DVD's, CD's, Newspapers and various types of competitive exam related books along with the Diwali issues were introduced for the taste of local literature. 3. Library has Network Resource Centre i,e NRC attached with INFLIBNET. Through this source student of college, researchers, and faculty members can use these books and journals likely called e-books and e-journals. 4. Library introduced "earn and learn" scheme in which students are given encouragements to stand on their feet economically so they can earn. 5. Library Department organized "14 hours study programme" on the eve of Dr. Babasaheb Ambedkar birth anniversary on 14th April. 6. World Book day celebrated by department of Library on 23rd April and Vachan Prerna Divas was observed on 14 October. 7. New arrived books are displayed on display board. 8. Creative writing competition was organized in collaboration with Department of Language. 9. Library is fully equipped with Books, Journals, E-books, e-Journals, Software and separate NRC. 10. Library is provided with high speed wifi facility with increased bandwidth. 11. Library is facilitated by photocopy facility. 12. Students are provided log-in Id and Password to access various Books available in Library with the help of OPAC software. 13. Four digital rooms

provide ICT facilities. 14. Physics laboratory renovated and made available with advanced facilities.

Human Resource Management

1. To enhance academic expertise college encourages teachers to attend capacity building training programme faculty development programmes, orientation, refresher, short term courses also ample opportunities are given to faculty members to attend seminars, conferences and symposia's 2. Non-teaching staff also had given opportunities to participate in various skill development programmes. 3. To meet financial contingencies non-teaching staff given festival advance 4. As per norms of Govt. of Maharashtra and Regulations of SGBAU, CHB teachers were appointed in various Departments for non-grant courses teachers are appointed on contract basis. 5. Non-teaching staff were also appointed as per requirement on fix pay basis. 6. Total 10 teaching faculties and 20 non-teaching staff were recruited on fix pay basis. 7. Faculty members involved in various awareness campaigns Dr. R. D. Chandrawanshi Director of Physical Education carried Health awareness and physical fitness campaign in various schools and colleges of Akola also conducted awareness campaign on overuse of Mobile is harmful to health and awareness related to addiction campaign covered 8000 students of schools and colleges. Sky observation club of college conducted social awareness programme on Solar Eclipse. Dr. Sudhir Kohchale worked as TOT expert on Disaster Management conducted many Mass awareness campaign through Disaster Management club of College. 8. Different cells in college established namely ZEBRA club of Zoology, MICRANS of Department of Microbiology, CRYSTAL CLUB of Department of Chemistry and Holly Basil Club of Department of Botany which provides platform for students also social programmes and social welfare programme are conducted under these clubs. 9. Dr. V. D. Nanoty working as member of advisory committee of NSS SGBAU, Amravati 10. Dr. Sudhir Kohchale working as area coordinator, Akola District NSS SGBAU, Amravati. 11. Dr. R.L.Rahatgaonkar working as Taluka coordinator of NAAC committee and also worked as a District coordinator for

Carrier Advancement Scheme (CAS). 12. Dr. V. D. Nanoty, received award of Creative Teacher (KrutishilShikshakPuraskar) by the hands of Hon. Rnjeetji Patil (Hon. Gaurdian Minister, Akola District) on 05/09/2019. 13. College runs Disasters Disaster Management Club which involved in training the youth and mass about disaster. 14. Dr. SudhirKohchale worked as team manager at Avhan-2019 disaster preparedness camp held at SRTM, University, Nanded. 15. Prasad Gulhane won best volunteer award at Avhan - 2019 held at SRTM, University, Nanded. 16. Department of Microbiology received National Level Best Department Award on 29/09/2019. 17. Dr. Rashmi Joshi Programme Officer received Best Team manager Award at Utkarsh - 2019 Held at Kaviyatri Bahinabai Choudhary North Maharashtra University, Jalgaon. 18. College is awarded with Best College in Swachhata Abhiyan form Akola District by NSS Department of SantGadge Baba Amravati University, Amravati. 19. Prasad Gulhane student of B. Sc. II year declared as Best NSS volunteer from District as well at University, level. 20. College received Best NSS unit award at District, University and at state level. 21. Dr. Rashmi Joshi awarded as Best Programme officer award (female) at District, University and at state level. 22. Dr. Sudhir R. Kohchale received three best oral and poster presentation award in conferences. 23. Sky observation club in collaboration with ASEEMIT space and Environment centre, MITE Education foundation Pune has successfully conducted social awareness programme for Solar Eclipse. This campaign covered 20 schools of Akola from 17 December 2019 to 26 December 2019 total 1350 students took part in the awareness campaign.

Industry Interaction / Collaboration

Departments of college have collaboration with different industry and institution like- 1. District Sericulture office MIDC, Akola 2. IQAC cluster 3. MICROSPECTRA SOFTWARE TECHNOLOGIES PVT. LTD. 4. SPECTRAMIND WEV HOSTING SOLUTION PVT. LTD. 5. VIBRANTMIND DIGITAL MARKETING SOLUTION PVT. LTD. 6. CDRI (Central Drug Research Institute) Lucknow 7. Adarsha Goseva Plant, Mhaispur. 8. MSI (Microbiologist Society India). 9.

Mushroom cultivation (Vithal mushroom cultivation centre) 10. BARC-DEPARTMENT OF ATOMIC ENERGY 11. Government Library Akola. To interact with industries Department of Chemistry had visited Adarsha Goseva Plant, Mhaispur, Department of Computer Science visited Khamgaon.

Admission of Students

1. College strictly follows rules of University, for the process of Admission Admission committee is formed under guidance of Principal which discusses all issues related to admission. 2. Admission process published in reputed Newspaper, Admission process displayed in college website. 3. Special counselling committee was formed to guide the student about admission process and different options of admission. 4. College demanded for 10 extra admission and was permitted by Vice-Chancellor for admission. 5. Admission forms filled online and as per merit list admission process is carried out. 6. College strictly follows rules and regulations of reservations policies. 7. Admission fees taken according to the norms and instruction of social welfare department.

6.2.2 – Implementation of e-governance in areas of operations:

| E-governance area | Details |
|---------------------------------|---|
| <p>Planning and Development</p> | <p>1. College maintain website www.rltsc.org updated to communicate and inform all stakeholders (changed domain www.rltsc.edu.in). 2. College has implemented SMS system of dissemination of information. 3. Reports of al l activities, Events were uploaded on website time to time. 4. All teachers upload notes on Google classroom, all events and activities are uploaded on website.</p> |
| <p>Administration</p> | <p>? Administration 1. The parent society as well as college work together to achieve betterment in administration. 2. Website helps in providing all information to all stakeholders. 3. Digital Notice board display system helps student and teachers. 4. PFMS portal system for uploading expenditure, related to government Fund. 5. Biometric attendance system for teaching and non teaching staff. 6. Annual and tentative budget forwarded to Joint Director</p> |

| | |
|-------------------------------|---|
| | Office. |
| Finance and Accounts | ? Finance and Accounts Many steps are put forth by College for implementation of e-governance in Finance and accounts, which includes 1. To maintain transparency payments made or received through cheques financial accounting is maintained by software (Tally7.2). 2. Online salary payment. 3. Online Billing through SEVARTH portal. 4. Special software designed by college to manage finance and account (Local). 5. Finance and accounts fully computerised. |
| Student Admission and Support | ? Student Admission and Support 1. Admission process of B.Sc. I and M. Sc. I is online supported by NRC in Library. 2. College supports students in filling online forms for various scholarships. 3. College has tie-up with Central Bank of India for fees submission and other transactions. 4. Displaying information on website. |
| Examination | ? Examination 1. Scheduled examination of University managed online, question paper downloaded through portal system and reprographed. 2. Examination time table were displayed on digital boards. 3. Online test were conducted by Department of Electronics, Computer Science, Botany and Physics. 4. Reminders of internal assessment, time table and examination schedule conveyed through SMS portal system. 5. College Internal Examination (Unit Test I II) were conducted by college examination committee |

6.3 – Faculty Empowerment Strategies

6.3.1 – Teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies during the year

| Year | Name of Teacher | Name of conference/ workshop attended for which financial support provided | Name of the professional body for which membership fee is provided | Amount of support |
|------|-------------------------|--|--|-------------------|
| 2019 | Dr. Archana S. Sawarkar | National Workshop on filling AQAR under new NAAC process (NWFANNP) on 3rd and 4th October 2019 | Nil | 1000 |
| 2019 | Dr.S.M.Nagrle | National Workshop on | Nil | 1000 |

| | | | | |
|------|-----------------------|--|-----|------|
| | | filling AQAR under new NAAC process (NWFANNP) on 3rd and 4th October 2019 | | |
| 2019 | Dr. R.L.Rahat gaonkar | National Workshop on filling AQAR under new NAAC process (NWFANNP) on 3rd and 4th October 2019 National Workshop on filling AQAR under new NAAC process (NWFANNP) on 3rd and 4th October 2019 | Nil | 1000 |
| 2019 | Mr.P.P.Gedam | National Workshop on filling AQAR under new NAAC process (NWFANNP) on 3rd and 4th October 2019 | Nil | 1000 |
| 2019 | Dr.S.R.Kohchale | National Workshop on filling AQAR under new NAAC process (NWFANNP) on 3rd and 4th October 2019 | Nil | 1000 |
| 2019 | Dr. R.M.Agrawal | National Workshop on filling AQAR under new NAAC process (NWFANNP) on 3rd and 4th October 2019 | Nil | 1000 |
| 2019 | D.H.S.Malpani | National Workshop on filling AQAR under new NAAC process (NWFANNP) on 3rd and 4th October 2019 | Nil | 1000 |

[View File](#)

6.3.2 – Number of professional development / administrative training programmes organized by the College for teaching and non teaching staff during the year

| Year | Title of the professional development programme organised for teaching staff | Title of the administrative training programme organised for non-teaching staff | From date | To Date | Number of participants (Teaching staff) | Number of participants (non-teaching staff) |
|------|--|---|------------|------------|---|---|
| 2019 | One day teacher's Development Programme on "e-learning and e-classroom for teachers and student". | Nil | 20/09/2019 | 20/09/2019 | 30 | Nil |
| 2020 | English language Vocabulary Development Programme (organized by DELTA in Collaboration with College) | Nil | 20/01/2020 | 20/01/2020 | 300 | Nil |
| 2020 | National Level Conference on Multidisciplinary Research in Science and Technology for Healthy lifestyle Management | Nil | 24/01/2020 | 24/01/2020 | 522 | Nil |
| 2020 | International Guest Lecture from Renowned Scientist of Bangladesh | Nil | 13/02/2020 | 13/02/2020 | 380 | Nil |

| | | | | | | |
|---------------------------|---|---|------------|------------|-----|-----|
| | and Nepal | | | | | |
| 2020 | Nil | Regional Level Workshop for Non-teaching Staff in Collaboration with Joint Director, Higher Education, Amravati | 11/02/2020 | 11/02/2020 | Nil | 167 |
| 2020 | State Level Online Certificate Course in Spectroscopic Techniques in Chemistry STC-2020 | Nil | 04/05/2020 | 11/05/2020 | 501 | Nil |
| View File | | | | | | |

6.3.3 – No. of teachers attending professional development programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes during the year

| Title of the professional development programme | Number of teachers who attended | From Date | To date | Duration |
|---|---------------------------------|------------|------------|----------|
| Online Refresher Course in Chemistry ARPIT | 1 | 01/09/2020 | 01/11/2020 | 14 |
| 46th Orientation programme conducted by UGC-HRDC SantGadge Baba Amravati University, Amravati | 2 | 18/11/2020 | 07/12/2020 | 18 |
| Online Refresher Course (Skill for new educational architecture) ARPIT | 6 | 01/09/2019 | 31/12/2019 | 40 |
| Short term Course in | 1 | 02/03/2020 | 16/03/2020 | 14 |

| | | | | |
|---|---|------------|------------|----|
| Research Methodology Conducted by UGC-HRDC SantGadge Baba Amravati University, Amravati | | | | |
| Two week faculty development programme on "Managing Online Classes and Co-creating MOOC's organized by teaching Learning center Ramanujan College University, Delhi | 6 | 18/05/2020 | 03/06/2020 | 14 |
| Two week faculty development programme on "Managing Online Classes and Co-creating MOOC's organized by teaching Learning center Ramanujan College University, Delhi | 1 | 20/03/2020 | 06/05/2020 | 40 |
| Short term course conducted by UGC-HRDC SantGadge Baba Amravati University, Amravati | 1 | 19/08/2019 | 24/08/2019 | 06 |
| NSS orientation Programme, ETI, Ahmednagar College, Ahmednagar | 2 | 24/08/2019 | 30/08/2019 | 07 |
| Refresher Course in Life Sciences organized by | 1 | 23/07/2019 | 05/08/2019 | 14 |

| | | | | |
|---|---|------------|------------|----|
| UGC-HRDC Jammu University, Jammu | | | | |
| Orientation Programme conducted by UGC-HRDC Sant Gadge Baba Amravati University, Amravati | 2 | 16/07/2019 | 05/08/2019 | 22 |
| View File | | | | |

6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

| Teaching | | Non-teaching | |
|-----------|-----------|--------------|-----------|
| Permanent | Full Time | Permanent | Full Time |
| Nill | Nill | Nill | Nill |

6.3.5 – Welfare schemes for

| Teaching | Non-teaching | Students |
|---|--|--|
| <p>1. Group Insurance facility 2. Loan facility (SES) 3. Medical facility provided by college. 4. College Society Provides Short term, Long term and Emergency Loan Facility. 5. Leaves (CL, DL, LOD, APL, PL, ML, ETC.) 6. RO drinking water 7. Felicitation on Achievement day (26th January) 8. Canteen facility with discount</p> | <p>1. Festival advance scheme system, 2. Uniform distribution 3. Medical facility 4. Loan facility 5. Long term and Emergency Loan Facility. 6. Leaves (CL, DL, LOD, APL, PL, ML, ETC.) 7. RO drinking water 8. Felicitation on Achievement day (26th January) 9. Canteen facility with discount</p> | <p>1. Uniform, books distribution 2. Scholarship and prizes to the merit students. 3. On 24th December blood grouping/blood donation camp organized 4. TA/DA paid to students attending conference/ seminar / workshop /symposia and scientific deliberation 5. For sports students lodging charges, sport kit as well as color holder students awarded by Rs. 1000 cash prize. 6. RO drinking water 7. Felicitation on Achievement day (26th January) 8. Canteen facility with discount 9. Bank facility in campus (Central Bank of India RLT extension branch) 10. Earn and learn scheme provides financial support to students. 11. Girls Hostel in college made available at less expense. 12. Medical and sanitation facility provided to the students.</p> |

6.4 – Financial Management and Resource Mobilization

6.4.1 – Institution conducts internal and external financial audits regularly (with in 100 words each)

6.4.1 Yes, internal and external financial audit conducted by college where assessment of salary and non salary grants carried out, audit was conducted by appointed chartered accountant P. K. Lohiya and Associates. Audit was conducted after 31 March and submitted to Joint Directors office in month of July. Auditor suggests budgetary provision for next financial year which was accepted and implanted in next financial year.

6.4.2 – Funds / Grants received from management, non-government bodies, individuals, philanthropies during the year(not covered in Criterion III)

| Name of the non government funding agencies /individuals | Funds/ Grnats received in Rs. | Purpose |
|--|-------------------------------|--|
| The BGE Society, Akola | 2695490 | For building construction and renovation and other purchases |
| View File | | |

6.4.3 – Total corpus fund generated

840235

6.5 – Internal Quality Assurance System

6.5.1 – Whether Academic and Administrative Audit (AAA) has been done?

| Audit Type | External | | Internal | |
|----------------|----------|--|----------|----------------------|
| | Yes/No | Agency | Yes/No | Authority |
| Academic | Yes | Dr.S.G.Chapke, Principal Smt LRT College of Commerce, Akola | Yes | Principal and CDC |
| Administrative | Yes | Dr.S.G.Chapke, Principal Smt LRT College of Commerce, Akola | Yes | Principal and CDC |

6.5.2 – Activities and support from the Parent – Teacher Association (at least three)

Parent Teacher Association encouraged and motivated parents to participate in various college activities and provide supports to college as- • PTA helped NSS department in social activities like donation of books and sport material to primary school children, distribution of medicine, voluntary service in health check-up camp at adopted gram Aapoti (07/12/2019 to14/12/2019). • Parents actively took part in blood donation camp and attended prize distribution ceremony (24/12/2019). • Attended felicitation programme organized on the eve of Republic Day (26/01/2020) to motivate the students. • 'Biodiversity Calendar - 2020' was prepared and published by the college to know the value of biodiversity and inculcate environmental consciousness among students and society. Our parents gave economic contribution and motivated students to work as Nature messengers for our society. • Parents supported the student's activities in sports, seminars, competitions, youth festival etc. by encouraging and sometime actually accompanying with their wards.

6.5.3 – Development programmes for support staff (at least three)

1. Organized Soft Skill Development Programme for teaching Staff on 03/10/2019
 2. Online FDP on LaTeX in Collaboration with Spoken Tutorial project IIT Bombay between 27-04-2020 to 02-05-2020 for faculty members. 3. District level workshop cum exhibition on Disaster management was organized in college where teaching and non teaching staff of college participated and learns about rescue and life saving techniques (28-02-2020).

6.5.4 – Post Accreditation initiative(s) (mention at least three)

1. College applied for add on courses and got permission to start three courses namely Diploma in Sericulture, Diploma in Astronomy and Renewable Energy conservation. 2. Updating of college website, for maintaining transparency and to reach all stakeholders. 3. Organized National Level Conference on Multidisciplinary Research in Science and Technology for Healthy lifestyle Management. 4. Applied for PG courses in Botany, Physics, Computer Science, Biochemistry and Zoology.

6.5.5 – Internal Quality Assurance System Details

| | |
|--|-----|
| a) Submission of Data for AISHE portal | Yes |
| b) Participation in NIRF | Yes |
| c) ISO certification | No |
| d) NBA or any other quality audit | No |

6.5.6 – Number of Quality Initiatives undertaken during the year

| Year | Name of quality initiative by IQAC | Date of conducting IQAC | Duration From | Duration To | Number of participants |
|------|---|-------------------------|---------------|-------------|------------------------|
| 2019 | Intercolle giate - Inter School Elocution Competition | 31/08/2019 | 31/08/2019 | 31/08/2019 | 40 |
| 2019 | Largest Social Awareness Programme for Solar Eclipse | 17/12/2019 | 17/12/2019 | 26/12/2020 | 1350 |
| 2020 | Three days Skill Development Programme on Fresh Water Fisheries | 02/01/2020 | 02/01/2020 | 04/01/2020 | 50 |
| 2020 | Avishkar - Research Festival | 10/01/2020 | 10/01/2020 | 10/01/2020 | 125 |
| 2020 | National Level Conference on Multidisciplinary Research in Science and Technology | 24/01/2020 | 24/01/2020 | 24/01/2020 | 350 |

| | | | | | |
|---------------------------|--|------------|------------|------------|------|
| | for Healthy lifestyle Management | | | | |
| 2020 | One week faculty Development Programme on "Development of E-content" | 08/06/2020 | 08/06/2020 | 15/06/2020 | 850 |
| 2020 | National Level E workshop on Disaster preparedness on Theme know Disaster ...No Disaster ... | 27/05/2020 | 27/05/2020 | 29/12/2020 | 1304 |
| 2020 | State Level online Certificate course I Spectroscopic Techniques in Chemistry (STC-2020) | 04/05/2020 | 04/05/2020 | 11/05/2020 | 501 |
| 2020 | State Level Workshop on Intellectual Property Rights (IPR-2020) | 23/05/2020 | 23/05/2020 | 29/05/2020 | 505 |
| 2020 | Online Innovative Magazine Publication on the Eve of world creativity and Innovation day | 24/01/2020 | 24/01/2020 | 26/05/2020 | 20 |
| View File | | | | | |

CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 – Institutional Values and Social Responsibilities

7.1.1 – Gender Equity (Number of gender equity promotion programmes organized by the institution during the year)

| Title of the programme | Period from | Period To | Number of Participants | |
|------------------------|-------------|-----------|------------------------|------|
| | | | Female | Male |
| | | | | |

| | | | | |
|---|------------|------------|-----|-----|
| Legal awareness for women against domestic violence | 09/12/2019 | 09/12/2019 | 77 | 35 |
| Savitrichya Lekhi: Guest lecture | 09/12/2019 | 09/12/2019 | 70 | 45 |
| Stri v Stri Suraksha: SWAS Team legal awareness | 10/12/2019 | 10/12/2019 | 85 | 48 |
| Self Employment workshop for women on 'Making Different Products from Soyabean' | 11/12/2019 | 11/12/2019 | 75 | 33 |
| 'Masik Pali Ek Wardaan': Women Health n Hygein | 11/12/2019 | 11/12/2019 | 136 | Nil |
| A Tribute to Great Women of India | 07/03/2020 | 07/03/2020 | 117 | 25 |
| Felicitation of Women Champions of college | 07/03/2020 | 07/03/2020 | 117 | 25 |
| Guest lecture on 'the health disorders in anaemia' | 07/03/2020 | 07/03/2020 | 117 | 25 |
| Guest lecture on 'women's contribution and importance in the society' | 07/03/2020 | 07/03/2020 | 117 | 25 |
| Physical Efficiency Test and Counselling | 06/02/2020 | 08/02/2020 | 129 | 42 |
| Disaster Management Training | 07/07/2019 | 08/03/2020 | 20 | 10 |
| Gender Audit of NSS Unit | 01/07/2019 | 31/03/2020 | 146 | 54 |

7.1.2 – Environmental Consciousness and Sustainability/Alternate Energy initiatives such as:

Percentage of power requirement of the University met by the renewable energy sources

Environment cell of College brings about major environmental consciousness

among students and constantly takes efforts for preserving a green campus. Following Alternative energy sources are used in the institution- 1. 'Solar water heater' of 1000 litres capacity in girl's hostel. 2. 'Automatic solar based LED lights' in college campus. 3. Biogas Plant in girl's hostel. Estimated total power consumption in the college premises is 12000 units/year. Using alternate energy resources approximately 500 Kva of power is generated during the year, which is the saving in 5 consumption of electric power. The biogas produced is utilised in the hostel kitchen for about 2 to 2 ½ hours per day. Thus, it saved nearly 10 LPG cylinders during session 2019-20.

7.1.3 – Differently abled (Divyangjan) friendliness

| Item facilities | Yes/No | Number of beneficiaries |
|--|--------|-------------------------|
| Physical facilities | Yes | 1 |
| Provision for lift | No | Nil |
| Ramp/Rails | Yes | 1 |
| Braille Software/facilities | No | Nil |
| Rest Rooms | Yes | 1 |
| Scribes for examination | Yes | 8 |
| Special skill development for differently abled students | No | Nil |
| Any other similar facility | Yes | 1 |

7.1.4 – Inclusion and Situatedness

| Year | Number of initiatives to address locational advantages and disadvantages | Number of initiatives taken to engage with and contribute to local community | Date | Duration | Name of initiative | Issues addressed | Number of participating students and staff |
|------|--|--|------------|----------|---|---|--|
| 2019 | 1 | 1 | 04/07/2019 | 1 | Plantation Drive and Sapling Distribution | Environmental awareness Social Responsibility | 35 |
| 2019 | 1 | 1 | 15/08/2019 | 1 | Vruksha Raksha Bandhan programme | Environment protection | 30 |
| 2019 | 1 | 1 | 28/08/2019 | 1 | workshop on 'Eco-friendly Ganesha Idol Preparation' | Skill development for self employment and Nature conservation | 110 |

| | | | | | | | |
|------|---|---|------------|---|---|------------------------------------|-----|
| | | | | | | n | |
| 2019 | 1 | 1 | 28/08/2019 | 1 | Mobile Photography Competition Exhibition on Nature Photography | Nature study and skill development | 90 |
| 2019 | 1 | 1 | 16/09/2019 | 1 | Intercollegiate poster competition cum Exhibition on Depletion of Ozone layer | Environmental awareness | 60 |
| 2019 | 1 | 1 | 19/09/2020 | 1 | District Level Teacher coordinators Workshop for 'Avishkar-Research Convention' | Promotion of research culture | 213 |
| 2019 | 1 | 1 | Nil | 1 | Wild Life Conservation Week on 1-7 October Week. | Wild Life Conservation | 500 |
| 2019 | 1 | 1 | 01/10/2019 | 1 | Plastic Bags Ban from Campus | Environmental awareness | 200 |
| 2020 | 1 | 1 | 02/01/2020 | 1 | Publication of 'Biodiversity Calendar -2020' | value of biodiversity | 120 |
| 2020 | 1 | 1 | 10/02/2020 | 1 | District level 'Avishkar Festival' of Sant Gadge Baba | Research propagation | 125 |

[View File](#)

7.1.5 – Human Values and Professional Ethics Code of conduct (handbooks) for various stakeholders

| Title | Date of publication | Follow up(max 100 words) |
|---|---------------------|--|
| A hand book of Code of conduct for various stakeholders | 13/07/2019 | Shri R.L.T. College of Science, Akola ensures the acceptance and adaptation of the act and prescribed code of conduct for various stakeholders. Teaching faculties do their work with honesty, sincerity and fairness observing the rule and the spirit of the legal and the regulatory environment in which the college operates. Students sets out the standards of conduct and discipline expected from them. Administrative staff offers very healthy atmosphere for all the stakeholders ensuring proper and smooth functioning of the institution. Code of conduct provides a roadmap to all stakeholders and served as a tool for daily work. website - http://rltsc.edu.in/ . |

7.1.6 – Activities conducted for promotion of universal Values and Ethics

| Activity | Duration From | Duration To | Number of participants |
|---|---------------|-------------|------------------------|
| Kargil Diwas | 26/07/2019 | 26/07/2019 | 30 |
| August Kranti Din | 09/08/2019 | 09/08/2019 | 25 |
| August cleanliness drive | 01/08/2019 | 15/08/2019 | 50 |
| Poll Awareness Program: Mock Poll Process | 25/09/2019 | 25/09/2019 | 667 |
| AIDS awareness | 01/12/2019 | 01/12/2019 | 35 |
| Blood Donation Camp | 24/12/2019 | 24/12/2019 | 100 |
| Guest Lecture on..(Yuva Din) | 12/01/2020 | 12/01/2020 | 250 |

7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)

1. Rain water from the roof of central college building is channelized towards water harvesting pit which is constructed near bore well to recharge it. 2. Department of Botany developed Nursery of saplings grown from naturally occurring seedlings. Gifting of plants is made as a practice for welcoming the guests for all programs of college. Department of Botany, NSS and NCC unit undertook tree plantation programme to maintain eco-friendly and pleasant green campus. 3. Selling of plastic water bottles and usage of polythene covers is banned in the college canteen. 4. Power Saving LED bulbs are installed in Computer, Information Technology and Bioinformatics laboratories. 5. Use of Solar water heater and Biogas in girl's hostel. 6. Cleanliness Plastic Eradication Campaign is regularly performed by a committee namely "MUNIJAN (Maharashtra University New Initiatives Joint Action Now)" in college premises. 7. Plant and tree foliage is decomposed to prepare vermicompost. Use of this organic manure in the college garden. 8. Water basin satisfies bird's need of water for drinking and bathing. Also, Gambusia fishes are released in water basin to control mosquito larvae. Bird nests earthen water-pots for birds are tied on the plants in the garden and college campus.

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

Best Practice 1: Title of Practice: Fitness Development Programme Goals: • To emphasis correct concept of Physical Fitness • To explain importance of diet, indoor and outdoor physical activities. • To know the importance of stretching exercises with practical session. • To aware about overuses of Mobile is Harmful to Health. • To aware about Addictions. The Context: Incidences of lifestyle-related diseases among children and adolescents are increasing day by day. Childhood obesity, depression and diabetes in children have become far more common today. It is necessary to maintain their physical as well as mental fitness level. Department of Physical Education and Sports of our college took initiative to emphasis correct concept of physical fitness, importance of diet, importance of indoor or outdoor physical activities and explain importance of stretching exercises with conducting the practical session through Fitness Development Programme for Students of School and Colleges. The Practice: 1. Interaction with Students on the topic Physical Fitness, Physical Fitness related Activities, Diet, Indoor and Outdoor Sports Activities, Overuses of Mobile and Addiction. 2. Practice Session of Stretching Exercises with perfect schedule. 3. Performed Skit on 'Overuses of Mobile is Harmful to Health'. 4. Performed Skit to aware about 'Addiction'. 5. Oath taken by Students regarding daily exercise, minimum uses of mobile and keep distance from addiction Evidences of Success: 1. Students, Teaching and Non Teaching staff come to know the correct concept of Physical Fitness. 2. Students of School Jr. College Level come to know how to develop Physical Fitness with indoor and outdoor Physical fitness and Sports activities related information in their proper age stage. 3. Students took Oath and gave assurance about they will do daily exercise, avoid overuses of mobile and always stay away from addiction. 4. 8000 Students from different Schools and Jr. Colleges were actively participated and get benefited from this Physical Fitness Development Programme. Resources required: Team of Skilled trainers. Problems Encountered: No Weblink: <https://rltsc.edu.in/2019/09/06/fitness-development-program/> Best Practice 2: Title of the Practice: Know Our Universe Goals: • To develop interest in the field of astronomical science among students. • To improve skill and knowledge of students through sharing experiences and information in lecture, demonstration and other group activities. • To enable students to observe the sky through a telescope and gain a basic understanding of universe. • To

cultivate public awareness and appreciation of astronomy as a hobby and science. The Context: Universe awareness is an imagination, excitement and fun for youngsters. Since time immemorial, man is trying to find answer to questions like- what is universe? What is the fate of universe? Does the earth like planet exist? How old we are? How the life originates on earth? And many more. The activities of Sky Observation Club (SOC) were started to create interest in astronomical observations, to create awareness, to clarify the myths about Solar and Lunar Eclipses among students, staff and society. The Practice: 1. College student of any course with an interest in amateur astronomy is eligible for membership of Sky Observation Club (SOC). 2. An alumnus of our college, Dr. Nitin K. Oke, Former NASA Educator and Dr. P. A. Nagpure, coordinator of Diploma Courses in Astronomy, Shri Shivaji Science College, Amravati are working as a Technical Advisors of SOC. 3. SOC members organized popular lectures, quizzes, gave scientific information on telescope handling, arranged night sky observation sessions, organized practical sessions for watching Solar Eclipse to the school's students and public. 4. Sky Observation Club (SOC) organized a special outreach program in collaboration with ASEEMIT Space Environment Center, MITE Education Foundation Pune. Social Awareness Programme was successfully conducted for Solar Eclipse in 20 schools of Akola regions from 17th to 26th December 2019 under the guidance of Prof. S. R. Jaiswal. The video clips and PPTs were shown to nearly 1350 students from schools and institute which are provided by ASEEMIT Space Environment Center, MITE Education Foundation Pune. 5. Prof. S. R. Jaiswal delivered Lecturer on 'The Universe and Superstition about it' on dated 13th December 2019 in NSS camp of college at gram Apoti khurd (Afatafa). 6. On National Science Day, 28th February 2020, Mr. Bhushan Gondachwar [B.Sc.-I], volunteer of Sky Observation club delivered a speech on "Astronomy" at Radhabai Sarda Arts, Commerce and Science College, Anjangaon surji, Dist. Amravati. 7. Astronomy Gallery is one of the major attractions of SOC. It includes colorful graphics of various astronomical events, telescope, and tools of astronomy including star dials, solar system and other models. 8. Thus, SOC is an initiative by the college where different topics in general astronomy are and will be discussed with a view to enlighten, generate curiosity and inspire young minds to contribute the understanding of world around us. Evidences of Success: 1. SOC provided many students their first look through an astronomical telescope. 2. Students prepared some models like star dial, Ursa Major and Ursa Minor. SOC students prepared some power point presentations like our solar system, earth, moon, sun. 3. Percolation of scientific knowledge about astronomical events among villagers made them able to understand scientific reasons behind it. They became aware about myths which helped them to contribute a peaceful society. 4. Visit to Astronomy Gallery definitely increases visitor's interest towards study of astronomy. Resource Required: 1. Skilled Resource persons 2. Tools of astronomy including telescope, models of star dials, solar system etc. Problem Encountered: 1. Some time female students of nearby villages found it difficult to participate in night sky watching. 2. Visibility of stars and other celestial objects is reduced due to light pollution of the city. 3. Presence of more dust particles in the air adds difficulty in sky observation especially during winter season.

Upload details of two best practices successfully implemented by the institution as per NAAC format in your institution website, provide the link

<http://rltsc.edu.in/2019/09/06/fitness-development-program/>

7.3 – Institutional Distinctiveness

7.3.1 – Provide the details of the performance of the institution in one area distinctive to its vision, priority and thrust in not more than 500 words

The Science Magazine - infoSCIENCE Our college has vision to become one of the

best educational institutions in the country, aspiring for national recognition of excellence through teaching, learning, research and extension in the field of science and technology. College dedicates itself to the cause of science education and propagation of scientific temper among the students. As per the vision and mission, 2 years before our college has started publishing the science magazine infoSCIENCE. During the session 2019-20, the 2 issues of this science magazine incorporated with total 32 scientific and research articles written by overall 42 authors are published on 19th December 2020 and 6th April 2020. One of that was released at the hands of Hon'ble Shri Sanjayji Dhotre, Union Minister of State for Education, Communication, Electronics and IT, Government of India and other at the hands of Principal Dr. Vijay D. Nanoty in online mode during lockdown period due to Covid-19 pandemic. The goal of the coverage of the science magazine infoSCIENCE is to help readers and contributors make sense of the world of science and to help them assess the position of science and technology in the context of society. Focus of the magazine is to publish scientific and research articles, reviews with matter of interest to students, researchers and other who concerned with the wide implications of science and technology. Objectives - The science magazine infoSCIENCE is exclusively devoted to propagate the science information to its readers and through them, to all who are interested. It is aimed to cater the needs of students, teachers, researchers and scientists who want to get their articles and reviews published for greater access to readers and benefit of society. Methodology - The science magazine infoSCIENCE publishes scientific, research articles and reviews with popular and easily intelligible expositions of recent developments in science and technology. Outcomes - In a short period of time, the science magazine infoSCIENCE becomes successful in propagating the science information amongst the students and its readers. Web link - <http://rltsc.edu.in/2019/06/15/info-science/>

Provide the weblink of the institution

<http://rltsc.edu.in/2019/06/15/info-science/>

8.Future Plans of Actions for Next Academic Year

PLAN OF ACTION FOR THE ACADEMIC YEAR 2020-21

- 1) To conduct the Regular meetings of IQAC
- 2) To frame the procedure for online admission for the session 2020-21 to overcome the Covid-19 pandemic situation.
- 3) To conduct the online Induction Programme for newly admitted UG and PG students.
- 4) To strengthen e-pathshala by providing the training programme to all teaching staff members to acquired the advance technologies and their application in development of e-content.
- 5) To organize state level, national level and International level e-workshops, seminars, and conference on different or various current scientific themes.
- 6) To renovate PG Laboratory of Chemistry as a part of infrastructure augmentation.
- 7) To encourage the faculty members to registered for online courses of UGC-MOOC, Swayam or Refresher Courses/Induction Course/FDP.
- 8) To enriched curriculum by starting value-added, Skill development and Bridge courses or Ability Enhancement certificate or diploma Courses.
- 9) To form "RLT's Covid Relief Task Force" (CRTF)which undertakes the activities including sanitizer preparation and distribution, Mask preparation and distribution, Awareness Campaign, To provide P.G Students to hospitals, laboratory to help them in performing RT-PCR Test. To help the local community for their wellbeing during lockdown period.
- 10) To encourage the faculty members to contribute in publication in UGC CARE/Web Science/Scoop.
- 11) To provide the guidance to students for competitive examinations and to arrange the carrier counselling activities.
- 12) To conduct the programmes on Gender Equity, IPR, Academic and Administrative Audit etc.
- 13) To nurture the culture of environment consciousness not only among the students and faculty members but also in society.
- 14) To motivate the students and teachers to apply for the patent.
- 15) To organize short term course on Research Methodology for promoting scientific spirit to cultivate scientific culture among

the students, faculty members and in the society.