



Yearly Status Report - 2018-2019

Part A

Data of the Institution

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. R. L. Rahatgaonkar			
Phone no/Alternate Phone no.		07212520791			
Mobile no.		9860660201			
Registered Email		rajendrarahatgaonkar@gmail.com			
Alternate Email		agrawal195@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		
IQAC organized	16-Jul-2018		520		

Praveshutav for admitted r newly student giving information about college rules, dress code, Infrastructure, scholarship, academic, syllabus etc.	1	
One day workshop on Eco friendly Ganesh Idol organized by Dept. of Microbiology in collaboration with Deoartment of Social forestry , Govt. of Maharashtra and Nisargkatta, NGO group	04-Sep-2018 1	110
One day National level seminar cum Workshop on	08-Sep-2018 1	50
Organized Maharojar Melava	04-Oct-2018 1	300
Guest Lecture on Stress Management	20-Oct-2018 1	120
Workshop on NAAC new guidelines	24-Oct-2018 1	100
State level Seminar on My health	28-Feb-2019 1	325
Seminar on Topology	12-Mar-2019 1	33
Eureka a Science programe	13-Mar-2019 1	148
Soft Skill Development Programme	22-Mar-2019 3	50
View File		

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	00	Nil	2019 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)
Introduction of online Admission System
Conduction of Programmes on Woman Empowerment
Formation of Cluster group of IQAC with the IQAC of leading colleges of Maharashtra
Organizing National level/ State level Conference /Symposium
District level Swachata Award for the contribution in Hygiene and Cleanliness atmosphere of College Campus by Sant Gadge Baba Amravati University, Amravati.

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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
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Plan of Action	Achivements/Outcomes
To frame the Academic and Administrative Calendar as per the regulations frame by Sant Gadge Baba Amravati University Amravati.	The Academic and Administrative Programmes were conducted in accordance with the calendar.
*Maintanance and Stengenthning of Inferastructre	1. Three Digital class rooms were newly constructed with all facilitates and newly developed Microbiology laboratory 2. Renovation of Microbiology lab. 3. Installation of 48 CCTv Cameras in Classrooms, Library and College Campus area as a safety measures.
*To organised State/ National level Conference/ Workshop/ Seminar	*IQAC in Collaboration with the other departments of college organised State level and National level Seminars and Workshops in the session 2018-19
*To introduce new subjects for Post graduation and new Courses in Soft Skill Developments	*College applied for the P.G subjects in Physics, Zoology, Computer Science and Bio Chemistry along with the Soft Skill Courses. The proposals are

	forwarded to the University and Government authorities for the sanctioned
Celebration of Special Days and celebration of golden jubilee year of the Institute	Birth and Death Anniversaries of Great leaders were observed to follow there foot prints and motivate the students for the national integrity. The conduction of programmes on special days like Independence Day, Teachers Day, NSS Day, NCC Day etc. celebrate the golden jubilee year by arranging fifty programmes
*To organised the meetings with various stake holders	*The IQAC and Principal of the Institute chalk out the scheduled to conduct the meetings with various stake holders in accordance with the subject, the meetings with staff council, Alumini association, Parent teacher association, Heads of the departments were organised regularly.
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14. Whether AQAR was placed before statutory body ?	Yes
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Name of Statutory Body	Meeting Date
Staff Council and College Development Committee (CDC)	02-Oct-2019

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	No
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16. Whether institutional data submitted to AISHE:	Yes
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Year of Submission	2019
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Date of Submission	24-Jan-2019
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17. Does the Institution have Management Information System ?	Yes
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If yes, give a brief descripton and a list of modules currently operational (maximum 500 words)	The college has fully active and paritally functional management information system with following module. The college formed the separate committee name DCV Committee, which works under the supervision of the head of the Institute, who worked as a chairman of the committee. The chairman and the members of the committee
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directed some important directions to all the respected head of the departments and the chairman of various committees to collect the necessary information of online admission, online exam forms, online notice board system, Library updates, Administrative office, State and National achievements or awards of staff members and students, Research publication and collaboration, Financial and non financial supports to the students, staff, Academic and non academic activities of the students and staff etc. The DCV committee collects all the information and after verification it is uploaded on the college website under the various heads. Modules: Admission Management Module Examination Management Module Student Module

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

IQAC prepare an academic calendar per the university academic calendar, central time-table committee design the time table for UG and PG programmes which is displayed on the notice board and upload on the college website, copy of time table is send to each department through principals endorsement. The head of the respective departments conduct departmental meet in which he/she inform about the workload of the department and help out to prepare the annual academic teaching plan. Every planed lectured with practicals are recorded in the academic teaching diary of teachers which is under monitoring by higher authorities. For the effective implementation of curriculum, teachers of various departments refer the standard reference books prescribed by the university along with the information available on websites through online and e-books. The teachers of various departments directly peculate the designed curriculum to students by conventional methods of chalk and board along with various other teaching methods like assignments, group discussion, demonstration, PPT presentations, projects, industrial visits, field tours, class test, chart, models and case study are used for the effective implementation of curriculum. Based on the semester wise result, analyses of every course/ programme with corrective measures are suggested by Principal and IQAC. The extra classes are arranged for Slow and fast learner students to inculcate them in educational process. The curriculum delivery feedback is taken periodically form the students and concerned authorities to conduct the regular meetings to review the difficulties face while effective implementation of curriculum through teaching.

1.1.2 – Certificate/ Diploma Courses introduced during the academic year

Certificate	Diploma Courses	Dates of Introduction	Duration	Focus on employ ability/entreprene urship	Skill Development
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Soft Skill
Development

22/03/2019

4

Make them
self
employable
through
skill
development.

Based on
personality
development
i.e to
inculcate co
mmunication
skill,
resume
writing goal
setting,
interview
skill time
management
and goal
setting

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
No Data Entered/Not Applicable !!!		
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
No Data Entered/Not Applicable !!!		

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

	Certificate	Diploma Course
Number of Students	50	0

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
Soft Skill	22/03/2019	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
MSc	Chemistry	6
MSc	Microbiology	22
View File		

1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	No
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

We collect feedback from the different stakeholders such as Students, Parents, Alumni and Employers based on teaching learning process and overall functioning of the college committees. Our college is a purely science college which collects feedback from the students at the end of academic session. The students give feedback for theory and practical courses taught to them in the semester on curriculum and teaching methodology adopted by the teachers. Beside this, students were asked to suggest improvement in infrastructural facility and library facility available to them. The college authorities have to check the hostel accommodation, quality of food given to them once in a month. The general assessment points of the feedback based on questionnaire about the syllabus, assessment of answer sheets, teaching methodology, teachers approach and availability to the class, syllabus completion etc. on a grade of 5 scale with number 5 meaning excellent and zero meaning poor performance. The college policy is that if teachers get average grade 2 or in any point number 2 then they are being informed to improve his/her performance of the particular course by the college authorities such as, Principal, head of the department, teacher evaluation committee, etc. Students' feedback is taken about the curriculum provided by university and suggestion on the curriculum are submitted to university through BOS or teachers association. Alumni Feedback is collected in a programme such as foundation day, Late Principal M. G. Joshi Memorial day and Alumni meet organised in the college during academic year, which is based on evaluating the employability and inculcating value education among the students. This feedback is also taken on a 5 point scale on 1 to 5, with 1 at poor and level 5 on excellent level. The Employers' feedback is mainly emphasized on career opportunity, through evaluation parameters in the form of knowledge, Regularity, Creativity, Presentation Skills and ability to get along with others. Add on and value added courses are designed and introduced, focusing on providing career opportunity through placement cell. Parent's feedback based on learning environment in the college, development of their ward and value education among the students which helps the college to reorient the administration, suitable courses for career growth of students. Process of analysis of feedback obtained from the various stakeholders and utilized for the overall development of the college is as under- 1) Collection of Feedback from students, parents, employers, Alumni etc. 2) Analysis and merits identification by points given to the question in the feedback. (points 1-2 weak and 4-5 strength) 3) Discussion on suggestions given by the various stakeholders. 4) Meeting with Principal and IQAC for reporting the merits, suggestion and possible solution for further improvement. 5) Action taken report.

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
MSc	MICROBIOLOGY	24	122	24
MSc	MATHEMATICS	96	278	96
MSc	CHEMISTRY	20	181	20

BSc	NA	634	1597	634
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
2018	1534	271	31	0	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	105	3	1	9

[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. A very strong teacher–student structure is established by the institution. Each student has been provided with a “guardian teacher”.
- Every guardian teacher is expected to be attentive to student concerns, exhibit enthusiasm in solving problems and encourage the students to perform better.
- The guardian teacher is responsible for not only academic but also emotional and social development of their allotted students.
- Weak learners identified by guardian teacher and remedial coaching is conducted.
- An induction program is conducted at the beginning of the first semester to ensure that the 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 instills discipline and removes any form of inequality within the students.
- Periodic assessments and tests are conducted to evaluate the performance of students.
- Along with academic growth, students get opportunity to unveil their latent potential through many activities such as cultural programs, sport events, NSS and NCC camps and others.
- 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.
- 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
1805	31	1 : 58

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	0	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
2018	Dr. Archana Sawarkar	Assistant Professor	Second price in Poster presentation in International conference on Multifunctional advance materials
2019	Dr. Rashmi Joshi Sawalkar	Assistant Professor	Third price in oral presentation at National conference on Recent trends in life sciences for sustainable development
2019	Dr. P.P. Deohate	Assistant Professor	Ideal teacher award by State level Congress teacher Cell
2019	Dr. R.D. Chandrawanshi	Associate Professor	Recognized as a Supervisor for Ph.D. programme in inter disciplinary studies SGBAU Amravati
2019	Dr. Poonam Agrawal	Assistant Professor	Recognized as a Supervisor for Ph.D. programme SGBAU Amravati"
2019	Dr. Pravin Kawle	Assistant Professor	Recognized as a Supervisor for Ph.D. programme SGBAU Amravati"

[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-end examination	Date of declaration of results of semester-end/ year- end examination
MSc	PG3	IV	08/05/2019	13/07/2019
MSc	PG3	II	07/05/2019	09/07/2019
MSc	PG2	IV	10/05/2019	29/07/2019
MSc	PG2	II	09/05/2019	25/07/2019
MSc	PG1	IV	08/05/2019	15/07/2019
MSc	PG1	II	07/05/2019	13/07/2019
BSc	UG1	VI	27/05/2019	08/07/2019

BSc	UG1	IV	30/05/2019	22/07/2019
BSc	UG1	II	31/05/2019	13/08/2019
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2.5.2 – Reforms initiated on Continuous Internal Evaluation(CIE) system at the institutional level (250 words)

? Students evaluation is based on different assessment and evaluation approach in teaching learning procedures helps to evaluate the students' interests and performances in their specific subjects, for improvement of the students' academic performance and student's response in class- room teaching evaluation processes are carried. Students expose their curiosity by inquiring and discussion on the imparted topic. ? Practical technique is always functional to develop skills among students. The evaluation method 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. Students reveal their learning interest by asking questions and discussion on the taught topic. ? "Learning and practicing" technique is generally applied for different skills. In spite of this to aware the students about different social issues, the various extension and social activities are organized. 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 etc. ? The planned 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 to 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. ? The planned 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

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

As per instructions received from the affiliating university's academic calendar, our college prepares academic calendar prior to the commencement of the session. At first all the departments formulate their respective departmental calendars which contain the most important dates to guide the

teachers and students. Our academic calendar provides important information about teaching days, examination dates, extra co-curricular activities, semester based and annual based examinations, student's seminars, visits and tours, guest lectures, and remedial teaching schedules. Before the commencement of every semester, respective departments prepare a detailed teaching plan, individual teachers give assignments in the departments and bifurcate the number of classes/lectures according to the allotted unit specimen soft copy. Time table committee prepares timetable for the all the programs with the help of respective heads. 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 Principal sees to it that all departments follow academic calendar strictly. Cultural committee also observes and celebrates different days, and birth and death anniversaries of social thinkers, philosophers, freedom fighters and saints, etc. as per given in the Academic calendar.

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
UG1	BSc	NA	388	258	66.49
PG1	MSc	CHEMISTRY	23	13	56.52
PG2	MSc	MATHEMATICS	86	50	58.14
PG3	MSc	MICROBIOLOGY	22	22	100
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/2019/10/SSS-Report.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
Any Other (Specify)	00	Nil	0	0
International Projects	00	Nil	0	0
Students Research Projects (Other than compulsory by the	90	AVISHKAR Cell Shri R.L.T. College of Science, Akola	0	0

University)				
Projects sponsored by the University	00	Nil	0	0
Industry sponsored Projects	00	Nil	0	0
Interdisciplinary Projects	00	Nil	0	0
Minor Projects	00	Nil	0	0
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
National Level Workshop on "Art of Perfume and Soap Making"	Department of Chemistry, Shri R.L.T. College of Science, Akola	08/09/2018
Workshop on "Self employments through fisheries"	Shri R.L.T. College of Science, Akola, NSS unit, Department of Fisheries, Govt of Maharashtra, office of the Asst Commissioner of Fisheries (Tech.), Akola	19/12/2018
State level Seminar on "My Health My responsibility: complementary to medicine and Health care and Teachers workshop on Teaching constraints in Microbiology and Allied sciences"	Department of Microbiology, Shri R.L.T. College of Science, Akola	28/02/2019

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
A Study Of Waste management	Ms. Kanchan Mangatani	SGB Amravati University Amravati	26/12/2018	Colour Coat in AVISHKAR Research Festival Competition
Variation in catalase activity in the silk worm Bombyx mori during, infection with Bacterial	Dr.R. Joshi (Sawalkar)	SGB Amravati University Amravati	22/01/2019	Third Prize in Oral paper Presentation in National Conference on "Recent Trends in Life Sciences for

Flacherie				Sustainable Development"
AFM study of egg sac silk fibers of the giant wood spider Nephila pilipes	Dr. A.S. Sawarkar	Kamla Nehru Mahavidyalaya Dharampeth M.P. Deo Memorial Sci. College, Nagpur	05/10/2018	Second Prize in Poster paper Presentation in International Conference on " Multifunctional Advanced Materials"
Ph.D. award on thesis "Phytochemical Analysis and Anatomical Study of Some Unknown Medicinal Plants Used In Diabetes".	Dr. P.M. Khadse	SGB Amravati University Amravati	17/07/2018	Ph.D. in Botany Faculty of Science
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3.2.3 – No. of Incubation centre created, start-ups incubated on campus during the year

Incubation Center	Name	Sponsered By	Name of the Start-up	Nature of Start-up	Date of Commencement
NIL	NIL	NIL	NIL	NIL	01/08/2018
View File					

3.3 – Research Publications and Awards

3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
05	01	02

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

Name of the Department	Number of PhD's Awarded
Microbiology	1
Chemistry	1
Maths	1

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	6.2
International	Chemistry	15	3.5
International	Zoology	5	6.2
International	Botany	7	4.7
International	Physics	5	5.6
International	Electronics	2	6.2
International	Physical Education	1	3.2

International	Computer Science	1	6.2
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
Chemistry	2
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
Synthesis of thiazol, thiazinan, thiadiazin, thiazolidin, triazine, thioxo-pyrimidin and thioxo-imidazolidine by inter-intramolecular cyclization	Mr. V. D. Deotale	Indian Journal of Chemistry Section-B	2018	0	Shri Mathuradas Mohota College of Science, Nagpur	0
Microwave irradiative synthesis of triazine substituted pyrazoles and study of antitubercular and antimicrobial activities	Dr. P. P. Deohate	Asian Journal of Chemistry	2019	0	Shri Radhakisan Laxminarayan Toshniwal College of Science, Akola	0
Non-aqueous potentiometric determination of drugs mefenamic acid and paracetamol-	Dr. P. P. Deohate	Journal of Indian Chemical Society	2019	0	Shri Radhakisan Laxminarayan Toshniwal College of Science, Akola	0

mefenamic acid in single and double component pharmaceuticals						
Analysis of drug ofloxacin in bulk and single component pharmaceutical tablets by non-aqueous potentiometric titration method	Dr. P. P. Deohate	Journal of Indian Chemical Society	2018	0	Shri Radhakisan Laxminaray an Toshniwal College of Science, Akola	0

[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
Synthesis of thiazol, thiazinan, thiadiazin, thiazolidin, triazine, thioxo-pyrimidin and thioxo-imidazolidine by inter-intramolecular cyclization	Mr. V. D. Deotale	Indian Journal of Chemistry Section-B	2018	0	0	Shri Mathuradas Mohota College of Science, Nagpur
Microwave irradiative synthesis of triazine substituted pyrazoles and study of antitub	Dr. P. P. Deohate	Asian Journal of Chemistry	2019	5	0	Shri Radhakisan Laxminaray an Toshniwal College of Science, Akola

ercular and antimicrobial activities						
Non-aqueous potentiometric determination of drugs mefenamic acid and paracetamol-mefenamic acid in single and double component pharmaceuticals	Dr. P. P. Deohate	Journal of Indian Chemical Society	2019	5	0	Shri Radhakisan Laxminarayan Toshniwal College of Science, Akola
Analysis of drug ofloxacin in bulk and single component pharmaceutical tablets by non-aqueous potentiometric titration method	Dr. P. P. Deohate	Journal of Indian Chemical Society	2018	5	0	Shri Radhakisan Laxminarayan Toshniwal College of Science, Akola
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	3	22	20	8
Presented papers	6	17	0	0
Resource persons	1	1	2	6
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

Road Safety Week Celebration(8th -12th Feb 2019)	NSS and Traffic Police Department Akola	2	100
Blood Donation Camp (24th Dec 2018)	NCC, NSS, Govt Medical Blood Bank, Akola	3	37
Workshop on Self Employment through Fisheries	NSS, Shri R.L.T. College of Science, Akola, Department of Fisheries, Govt. of Maharashtra, Office of Asst Commissioner of Fisheries(Tech.) Akola	3	162
HIV -AIDS Awareness Rally (1st Dec 2018)	NCC and Govt Medical College Akola	1	16
Shwachta Abhiyan Rally (2nd Oct 2018)	NSS,NCC	2	102
Clean India Mission Half Month Programs (1st Aug-15th Aug 2018)	NSS	3	200
Vriksha - Rakshabandhan program (27th Aug 2018)	NSS	3	50
Workshop on Cyber Crime and Woman Safety (Women Empowerment Program) (20th July 2018)	NSS unit, Akola District Police Department Damini-2 Division	3	200
Tree Plantation at Morna River Bank (1st July 2018)	NSS, College, Forest Department, Social Forestry Department, Akola Division Akola	4	40
International Yoga Day Celebration (21th June 2018)	NSS, NCC, DPE	3	107
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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
Inter Collegiate Taekwondo Tournament	Bronze Medal	SGB Amravati University Amravati	1

Inter director Service Shooting Competition in CATC-TSC, New Delhi	Gold Medal	NCC Unit , TSC New Delhi	3
Map reading Competition in TSC, New Delhi	Bronze Medal	NCC Unit , TSC New Delhi	1
Vidharbha Level Debate Competition	3rd Prize	Babuji Deshmukh Vachanalay, Akola	1
District Level Elocution Competition	2nd Prize	Nehru Yuva Kendra, Akola	1
District Level Youth Parliament	1st and 3rd Position	District Level Youth Parliament SGB Amravati University Amravati	2
Inter Collegiate Judo Tournament	Silver Medal Bronze Medal	SGB Amravati University Amravati	5
Inter Collegiate Boxing Tournament	Bronze Medal	SGB Amravati University Amravati	1
Inter Collegiate Wrestling Tournament	Gold and Silver Medal	SGB Amravati University Amravati	2
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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
Workshop on EUREKA (Emerging Universe of Research Education Knowledge Ascent) 13th March 2019	Shri R.L.T.College of Science, Akola, State Institute of Science Education, Nagpur, Department of Education(Sec), Z.P. Akola and Akola District Science Forum	Guest Lectures on Related Topic and Laboratory Vists	4	118
World Sparrow Day (20th Mar 2019)	ZEBRA Cell, Department of Zoology, Shri R.L.T. College of Science, Akola	Installation of Water pots and grain feeder for birds in campus	3	20
Jaljagruti Saptah (15th -22nd March 2019)	Environmental Cell, Shri R.L.T. College of Science,	Conducted Test, Poster Exhibition and Competition on	3	50

	Akola in association with Vidarbha Patbandhare Vikas mahamandal	Save Water		
Diabetic camp	The BGE Society, Akola and MICRAN, Department of Microbiology, Shri R.L.T. College of Science, Akola	Checked Blood Glucose Level by using Glucometer	4	155
Workshop on Eco Friendly Ganesha Idol Preparation	MICRAN, Department of Microbiology, Shri R.L.T. College of Science, Akola in association with Department of Social Forestry and NGO Nisarga Kattta, Akola	Ganesha Idol Preparation from Soil	3	110
Seminar on Cancer Awareness	Department of Microbiology Shri R.L.T. College of Science, Akola	Guest Lecture	3	200
District Bird Election (19 Jan2019)	Shri R.L.T. College of Science, Akola, District Election Commissioner Department and NGO Nisarga Katta, Akola	Voting for Selection of Akola City Bird	5	700
University Level seminar Competition for PG students on "TOPOLOGY"	MTA(Mathematics Teachers Association), Department of Mathematics, SGB Amravati University, Department of Mathematics, Shri R.L.T. College of Science, Akola	Seminar Competition on Topology	3	33
Poster Competition of Environment Awareness	Department of Chemistry, CRYSTAL Club, Shri R.L.T.	Poster presentation on Air Pollution, Water	7	27

	College of Science, Akola	Pollution, Soil Pollution and Green Chemistry		
Workshop on " Self Employment: Manufacturing of Fragrance Stick"	Department of Chemistry, CRYSTAL Club, Shri R.L.T. College of Science, Akola	Preparation of Fragrance Stick	7	40
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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
00	00	00	00
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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	31/07/2019	14
Student Project	DCLT Project	Shriram Pathology, Akola	01/07/2019	31/07/2019	18
Student Project	DCLT Project	Dr. Hedgewar Blood Bank, Akola	01/07/2019	31/07/2019	12
Student Project	CCLT Project	Naren Biochemical Lab., Akola	01/07/2019	31/07/2019	14
Student Project	CCLT Project	Life Care Clinical Lab., Akola	01/07/2019	31/07/2019	17
Student Project	CCLT Project	Nidan Pathology Lab., Akola	01/07/2019	31/07/2019	11
Student Project	CCLT Project	Sai Pathology Lab., Akola	01/07/2019	31/07/2019	20
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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
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			participated under MoUs
Spectramind web hosting solution pvt. Ltd	09/04/2019	To provide industrial training, internship, industrial visit, campus drive and Certification to the students. Provide facilities and technical support to the staff and students for their projects and research study	0
IQAC Cluster	29/07/2018	Cooperation, promotion and networking of IQAC of respective college to standardize policies procedure and to collective workout areas for better academic and administration.	308
Microspectra software technologies pvt. Ltd	09/04/2019	To provide industrial training, internship, industrial visit, campus drive and Certification to the students. Provide facilities and technical support to the staff and students for their projects and research study	0
Vibrantmind digital marketing solution pvt. Ltd	09/04/2019	To provide industrial training, internship, industrial visit, campus drive and Certification to the students. Provide facilities and technical support to the staff and students for their projects and research study	0

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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
50	53.5

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Value of the equipment purchased during the year (rs. in lakhs)	Newly Added
Seminar halls with ICT facilities	Newly Added
Classrooms with LCD facilities	Existing
Seminar Halls	Existing
Laboratories	Newly Added
Class rooms	Existing
Campus Area	Existing
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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 partially)	Version	Year of automation
SOUL-2	Fully	2.0	2015

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	32752	2896653	328	131198	33080	3027851
Reference Books	13481	794537	219	87465	13700	882002
e-Books	93809	0	0	0	93809	0
Journals	15	25493	1	4945	16	30438
e-Journals	4137	0	0	0	4137	0
Digital Database	0	0	0	0	0	0
CD & Video	131	0	0	0	131	0
Library Automation	0	0	0	0	0	0
Others (specify)	15	0	0	0	15	0
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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	Date of launching e-
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		is developed	content
Dr. Sudhir Kohcale	Chordate and Non Chordate	CD and Library	16/09/2018
Dr. Archana Sawarkar	e-Learning Module of Chordate and Non Chordate	CD and Library	16/09/2018
Dr. R.L. Rahatgaonkar	Online MCQ Test	College Website e-Pathshala	20/09/2018
Prof. Dattaraj Vidyasagar	Online MCQ Test	College Website e-Pathshala	09/09/2018
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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	93	46	52	6	6	7	14	3	1
Added	3	0	0	3	0	2	1	2	3
Total	96	46	52	9	6	9	15	5	4

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
No	No

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
12	12.46	50	53.5

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)

<p>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.</p>
http://rltsc.edu.in/wp-content/uploads/2020/03/4.4.2_Procedures_and_policies.pdf

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	The BGE Society. Akola	56	33579
Financial Support from Other Sources			
a) National	Central and State Govt. Scholarships	1194	6085061
b) International	NIL	0	0
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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
Soft Skill Development	22/03/2019	50	Sant Gadge Baba Amravati University, Amravati
Yoga and Meditation	21/06/2019	107	Shri RLТ College
Preparation of Ganesh Idol	06/09/2018	110	Dept. of Social Forestry, NisargaKatta
Arts of Perfume and Soap making	08/09/2018	500	CIT Stray , Nagpur
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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 activities	Number of students who have passed in the comp. exam	Number of students placed
2018	Carrier Guidance Cell	80	80	0	0
2018	Management Trainer	25	25	9	9
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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
5	5	6

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
Sanjeev Autom Parts, M/S Laxmi Agri Compo. Pvt Ltd, Yeshree Press Comp. Pvt.Ltd, Dooth Transmission	350	150	M.S.E.B, BD Services Pvt Ltd, ASPA, Himidi Solution Pvt.Ltd, Matrix, Vibrant Screen, RBI		10
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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
2018	49	science	BSc	Shri RLT College of Science, Akola and other Institutes all over state	MSc, MBA etc
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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
NET	1
SET	1
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5.2.4 – Sports and cultural activities / competitions organised at the institution level during the year

Activity	Level	Number of Participants
Suryanamaskar (Men/Women)	College Level	6
Table Tennis (Men/Women)	College Level	4
Badminton (Men/Women)	College Level	4
Chess (Men/Women)	College Level	2
Skipping Rope (Men/Women)	College Level	6
Tug of War (Men/Women)	College Level	29
Folk Dance	University Level	11
Western Solo	University Level	1

Elocution	University Level	1
Debate	University Level	2
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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
2018	Color coat	National	1	0	0001213	Mr Vaibhav Karale
2019	Color Coat	National	1	0	0000803	Mr Kshitj Tiwari

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

As per the guideline of Sant Gadge Baba Amravati University, Amravati students council was formed in the college. In which Principal is Chairman and member of Committee are Director of Physical Education, NSS Programme Officer, Men and Women representative, NCC in-charge, Cultural Activity in-charge and one Lady Prof. In-charge, Merit Student one from each class plus one student from NCC, NSS, Sport , Cultural are nominated as representative on this council. Council formed at college level. Their functioning start with activities like Prevesh Uttsav activity, Teachers Day programme and different activity related with students apart. In girls hostel member students committee (Girls) visited regularly for the effective functioning for day to day working. It also includes activities like Welcome of junior students, Celebrations of Independence Day, Teachers Day, Republic Day, Sports Day, International Women's Day, Farewell, and the birth and death anniversary etc. The student's representatives serve in almost all academic and administrative bodies of the college such as IQAC, Library Committee, Youth Welfare and Students Service Association, Placement and Career Guidance Cell, NSS, NCC, Physical Education Committee.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

No

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 :

In our institute has organized various activities by the Alumni association they are as follows: 1) Organized One Day Workshop on Self Employment: Manufacturing of Fragrance Stick to make the students self employed and to developed practical skill among the students. Alumni of Department of Chemistry give the demonstration how to make fragrance sticks (Agarbatti Making) on dated

07 Sept. 2018 inaugurated by Mr. Abhiji Chalse. 2) Inauguration of Three Digital Classroom of College by Our Alumni, The Guardian Minister and The Minister of State(Home Affairs), Govt. Of Maharashtra, Hon'ble Dr. Ranjitji Patil State and Finance Minister, Government of Maharashtra Shri Sudhirji Mungantiwar was present on dated 08 Sept. 2018. 3) College Alumna Hon'ble Dr. Ranjitji Patil, Minister of Home Affairs arranged "Mega Job fair" on 4 Oct. 2018 and "Job fair" on 5th Jan. 2019 for College students in our institution. 4) Dr. Sudhir Bhave (MD Psychiatric) delivered a Guest lecture on "Stress Management" on 21 Oct. 2019. 5) Shri Randhir Sawarkar (MLA) and Shri Viploji Bajoriya (MLC) of Akola District was present as Chief Guest for Blood Donation and Alumni Day on 24th Dec. 2018. 6) Dr. Jagdish K. Zade (Deputy Director) delivered a Guest lecture on the topic "Rota virus Vaccine " in Dept. of Microbiology on 26 Dec. 2019. 7) Our Alumna Bhagyashree Gadodiya (Bioinformatic. Drugs designer, Bangalore) conducted on day Workshop on "Bioinformatics-genomics and proteomics" for Students of Bioinformatics on 24 Jan. 2019. 8) Dr. S.D. Katore Dept. of Mathematic Sant GadgeBaba Amravati University, Amravati hold the chair as a Chairperson in University Level Seminar on "Topology" of Mathematics PG Department on 12 March 2019. 9) Lt. Anshu Jagmohan the college Alumni who is working in an Indian Army guided the NCC cadet on topic How to make Carrier in Indian Army.

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)

1. CDC- College Development Committee which helps to prepare comprehensive development plan of college regarding Academic, Administrative and infrastructural growth and enable college to foster excellence in curricular, co-curricular and extracurricular activities, CDC makes specific recommendation to management to encourage and strengthen research culture consultancy and extension in College also CDC makes recommendations for student teacher welfare activities in college. (On 25/08/2018., 29/01/19 and 19/06/19 meetings of CDC were held and as per minutes issues discussed and actions were taken.) 2. IQAC - Internal Quality Assurance Cell of College is significant administrative body which is responsible for all quality matters, its main responsibility is to initiate plan and supervise various activities that are necessary to increase quality of education. Formation of various committees under IQAC plays important role. (28/06/18., 27/09/18., 26/11/18 and 29/01/19 meetings of IQAC were held to maintain quality standards in teaching learning and evaluation.)

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

Partial

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
Admission of Students	1. Admission committee discuss various issues related to admission with Principal, IQAC and CDC. 2. Admission process published in reputed News paper. 3. Admission process displayed in college website. 4. Special counselling committee was formed to guide the student about admission process and different options of

admission. 5. College demanded for 10 extra admission and was permitted by Vice-Chancellor for admission. 6. Admission forms filled online and as per merit list admission process is carried out. 7. College strictly follows rules and regulations of reservations policies. 8. Admission fees taken according to the norms and instruction of social welfare department.

Industry Interaction / Collaboration

Departments of college have collaboration with different industry and institution like- 1. IQAC cluster 2. MICROSPECTRA SOFTWARE TECHNOLOGIES PVT. LTD. 3. SPECTRAMIND WEV HOSTING SOLUTION PVT. LTD. 4. VIBRANTMIND DIGITAL MARKETING SOLUTION PVT. LTD. 5. Government Library Akola. To interact with industries Department of Chemistry had visited Adarsha Goseva Plant, Mhaispur, Department of Computer Science visited Khamgaon.

Human Resource Management

1. Management and college facilitated faculty members to participate in Orientation, Refresher, Short term courses, Seminar, Conference, Symposia, and workshops. 2. Orientation programme and training programme for Non teaching staff. 3. College organised Health check-up and health advice camp for teaching and non teaching staff. 4. As per norms of Govt. of Maharashtra and Regulations of SGBAU, CHB teachers were appointed in various Departments. 5. Teaching and non teaching staff attends many developmental programmes. 6. Dr. V. D. Nanoty Principal of college Nominated by Vice Chancellor as advisory committee member of NSS of SGBAU, Amravati. 7. Dr. V. D. Nanoty Principal worked as regional coordinator, Amravati chapter. 8. Dr. Rohit Agrawal, Prof. R. D. Chaudhari were recognised as certified SOFT SKILL TRAINER by UGC-HRDC SGBAU, Amravati. 9. Dr. Sudhir Kohchale and Dr. Samadhan Munde worked as resource person in refresher course conducted by UGC- HRDC SGBAU. 10. Dr. R. D. Chandrawanshi, Department of Physical Education and sports worked as Resource person in International Conference on Physical Educationat Yavatmal 11. Dr. Sudhir Kohchale certified as trainer of Disaster Management by District collector office. He worked as trainer

of Disaster Management, trained volunteers, and provided mass education related to Disaster Management.

Library, ICT and Physical Infrastructure / Instrumentation

1. Library is fully equipped with Books, Journals, E-books, e-Journals, Software and separate NRC. 2. Library is provided with high speed wifi facility with increased bandwidth. 3. Library is facilitated by photocopy facility. 4. In session 2018 - 19 Library purchased 548 books worth rupees 2,23,608/- 5. Library had budgetary provision for book purchase and other works. 6. Students are provided log-in Id and Password to access various Books available in Library with the help of OPAC software. 7. Library is provided with INFLIBNET facility where faculties, research scholars and students can access research articles. 8. Microbiology and Physics laboratories were renovated and fully furnished with advanced equipments. 9. Renovation of 2nd physics laboratory started. 10. Three digital rooms were constructed and made available with ICT facilities. 11. Total 48 CCTV cameras were installed all over the campus and class rooms. 12. Department of computer Science and IT organizes many ICT enabled events like Spoken tutorial programme on C which is remotely conducted by IIT Bombay (7 students qualified).

Research and Development

1. College has started Biannual Science Magazine "Info-Science" where articles of students and teachers are published. (First Bulletin of Info-science was released on 28. 02.2019. 2. College authorities motivate faculties for books and paper publications. 3. College promotes faculties to participate in orientation and refresher course. 4. Guidance to students for participating Avishkar research festival and for paper/poster presentation in conferences/symposia/seminars. 5. College laboratories are fully equipped with advanced instruments and equipments. 6. College motivates and encourages faculty to act as supervisor for M. Phil and Ph.D. 7. Last year three faculties were recognised as supervisor for M. Phil and Ph.D. Namely Dr. R. D. Chandrawanshi, Dr. P. T. Agrawal and Dr. P. R. Kawle. 8.

Department of Physical education and sports was recognised as research centre for pursuing M. Phil and Ph. D. by S.G.B.A.U. Amravati. 9. Prof. Pramod Khadse was awarded Ph. D. Degree in Science and Technology (Botany) by SGBAU, Amravati. 10. Dr. Archana Sawarkar from Department of Zoology bagged 2nd prize at International conference in Poster competition organized by Kamla Nehru College, Nagpur. 11. Dr. Rashmi Joshi (Sawalkar) from Department of Zoology bagged 3rd prize in oral presentation in National Conference organized by SGBAU, Amravati. 12. All the staff members are actively participating in conferences and many papers are published by the faculty member in reputed journals. 13. College already formed Avishkar Committee who monitors the research activity, students for participation in Avishkar motivated through lectures by renowned persons from various fields. 14. All teachers advised to guide students in month of September for the Avishkar Research Festival and college scrutiny committee scrutinized projects, in session 2018-19 15 students were participated at district level , out of which 11 participated at university level and out of which 2 students were participated in state level competitions 15. College motivates faculties for organizing Conferences, Workshop and Seminars at National, State level, University level and District level (National Level 01, State Level 01, University Level 02, District Level 05). 16. As part of student participatory project activity college has started Wall Magazine BESST (Biological and Environmental Studies with Social Temperament) where student submit their research article to display which are reviewed and refined by concerning Editorial Board of BESST.

Examination and Evaluation

1. Regular conduction of class unit tests. 2. Unit test conducted as a part of internal assessment in month of September as per the academic calendar, evaluated by the teachers and marks are displayed on boards. 3. Student improvement test for failure students. 4. Results of students are evaluated by respective teacher and displayed on notice board. 5. Question bank is made available to the students and students

are assisted in solving them. 6. Test Practical examinations are also conducted by each department after the completion of the course. 7. In staff council meeting Student feedback about teacher is analyzed and communicated to the teacher for improvement of teaching. 8. Guidance to student is given by college exam coordinator about reevaluation, rechecking and challenge evaluation. 9. As per university rule home exam for B. Sc. Sem - I/II conducted in college. 10. Well equipped exam control room for conducting college and University examinations. 11. Spot valuation centre is created in college. 12. Valuation officer and examination coordinator are appointed.

Teaching and Learning

1. College provide internet facility for wide access of study material. 2. Library is fully equipped with e-books and journals. 3. Online test examination and study material for students. 4. Learning through field visit, industrial visits. 5. Guardian teacher focus on learning issues of students. 6. Use of ICT enabled teaching. 7. Three digital rooms inaugurated on 8th of September and more than 150 lectures were engaged by the teachers up to end of the session. 8. Teacher's workshop on Teaching constrains in Microbiology and Allied Science was organized on 28.02.2019.

Curriculum Development

? Curriculum Development 1. Syllabus is framed by BOS and is followed by all colleges of university. College conducts field visits, group discussion, Seminar, Projects as part of curriculum. 2. Following field visits were organized in session 2018-19 i. Educational tour of Department of Botany at Lonar on 30.01 2019. ii. Department of Computer Science and IT visited IT park, Khamgaon on 02.03.2019. iii. Educational tour of M. Sc. I and II of Department of Microbiology visited National Geo Heritage Monument saline Soda Lake located at Lonar on 10.08.2019. iv. Department of Zoology visited Nature interpretation Centre Akola on 03.10.2018.v. Educational tour organized by at Kolhapur and Malvan on 21.01.2019. vi. Department of Zoology visited Government Medical College in Exhibition of Anubhuti (Human Organ

Exhibition) on 01.03.2019. vii. National Service Scheme and Disaster Management Club volunteers visited Malrajura on 21.02.2019. 3. Add on courses like CCLT, DCLT and ADCLT introduced which provides internship to the students. Course work and examination including internship and project conducted in month of May and June 2019. 4. NET/SET Coaching classes for PG students. 5. Online test examination for students conducted by various departments. 6. Organization of events like Poster presentation, Exhibition, Hands on trainings, Instrumentation etc.

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

E-governance area	Details
Planning and Development	? Planning and Development 1. College maintain website www.rltsc.org updated to communicate and inform all stakeholders. 2. College has implemented SMS system of dissemination of information. 3. Reports of all activities, Events were uploaded on website time to time.
Administration	1. Digital Notice board display system helps student and teachers. 2. PFMS portal system for uploading expenditure, related to government Fund. 3. Biometric attendance system for teaching and non teaching staff. 4. Annual and tentative budget forwarded to Joint Director office.
Finance and Accounts	Many steps are put forth by College for implementation of e-governance in Finance and accounts, which includes 1. Online salary payment. 2. Online Billing through SEVARTH portal. 3. Special software designed by college to manage finance and account (Local). 4. Finance and accounts fully computerised.
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	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

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
2018	Dr. S.H.Malpani	National Conference of Indian Science Congress, Patlia, Punjab	Indian Science Congress Association	2000

[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)
2018	Art of Perfume and Soap making		08/09/2018	08/09/2018	50	36
2018	NAAC accreditation and reaccreditation workshop		24/10/2018	24/10/2018	100	36

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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
Swayam ARPIT online Course for career Advancement Scheme (CAS), Biomedical Image	1	15/09/2018	03/04/2019	40

Processing Science and Technology.				
UGC - HRDC, SGBAU, Amravati University One week Short term Course in Capacity Building for Women (6 days)	1	03/12/2018	08/12/2018	06
UGC - HRDC, SGBAU, Amravati University Train the Trainer Programme	2	29/10/2018	03/11/2018	06
UGC - HRDC, SGBAU, Amravati University One week short term course in Environment Conservation (6 days)	4	09/10/2018	14/10/2018	06
UGC- HRDC Sponsored Refresher Course in Life Science	1	17/09/2018	07/10/2018	21
UGC- HRDC, SGBAU, Amravati University Sponsored Refresher Course in Life Science	1	20/08/2018	12/09/2018	21
UGC - HRDC, SGBAU, Amravati University Refresher Course in mathematics and Statistics (Core)	1	27/07/2018	16/08/2018	21
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6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
0	5	0	6

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
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<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.)</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.)</p>	<p>1. Uniform, books distribution 2. Scholarship and prizes to the merit students. 3. On 24th December blood grouping/blood donation camp organized by NSS in collaboration with department of Microbiology and Biochemistry. 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.</p>
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6.4 – Financial Management and Resource Mobilization

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

Institution conducts internal and external financial audits regularly (within 100 words each) 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
Individuals	3800207	Participation fees and College development
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6.4.3 – Total corpus fund generated

9120.00

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	Academic Audit Committee	Yes	Academic Audit Committee
Administrative	Yes	P. K. Lohiya and Associates	Yes	P. K. Lohiya and Associates

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-

- Parents took active part in Van Mahotsav: Tree plantation and distribution programme organized by Environment cell of college (Dt. 01/07/2018).
- Participated in one day workshop on "Cyber crime and Women's safety" organized by Shri R.L.T. College in collaboration with Akola District Police (Dt.20/07/2018).
- Encouraged their wards to participate in workshop on "Ecofriendly Ganesha making" organized by Dept. of Microbiology NGO Nisarg Katta (06/09/2018).
- Attended National level Seminar cum workshop on "Art of Perfume and Soap Making" organized by Department of Chemistry (Dt.08/09/2018).
- Participated in one day workshop on "Self Employment through Fisheries" organized by Shri R.L.T. College in collaboration with Dept. of Fisheries, Govt. of Maharashtra, Akola Office (Dt. 20/12/2018).
- PTA helped NSS unit in social activities like distribution of medicine, notebooks among school students at adopted gram Sonala. Female parents participated in Women's meet organized for village women.(Dt.16-23/12/2018)
- Parents actively took part in blood group detection and blood donation camp, also attended prize distribution ceremony (24/12/2018).
- Contributed in Voter's Awareness Programme by actual participation in Bird Election for Akola city organized by Akola District Election Office, NGO Nisarg Katta and Shri R.L.T. College of Science, Akola (19/01/2019).
- Parents attended Achievement day programme to appreciate student and staff achievers of the college (Dt. 26/01/2019).

Thus, PTA provides a common forum for interaction of parents, teachers and students so as to improve facilities for academic excellence and supports college.

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

1. On 6th January, the Berar Berar General Education Society organized a health camp for all staff members and members of Society. BMI, Blood sugar level and blood pressure of approximately 105 staff members was calculated. Dr. Nanasaheb Choudhary addressed the camp and gave the importance of food and health. 2. Guest lecture was organized on "Stress Management and Mental Health" by College in Collaboration with Indian Association of Paediatrics, Dr. Sudhir Bhawe well known Psychiatric from Nagpur, Maharashtra Delivered lecture and lecture followed by counselling and discussion on 21.10.2018. 3. District level workshop on Disaster management was organized in college where teaching and non teaching staff of college participated and learns about rescue and life saving techniques.

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

On line Admission Process for all courses run by the Institute Women empowerment programme for the women of the society Soft Skill Certificate Courses for campus students to ensure the job guarantee.

6.5.5 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	Yes
b)Participation in NIRF	No
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
2018	Preparation of Ganesh Idol	06/09/2018	06/09/2018	06/09/2018	110

2018	Soft skill workshop on fragrance stick Agarbatti	06/09/2018	06/09/2018	06/09/2018	46
2018	One day workshop on Perfume making under soft skill development	08/09/2018	08/09/2018	08/09/2018	500
2019	yoga and Meditation programme	21/06/2019	21/06/2019	21/06/2019	107
2019	Certificate course on Soft Skill Development	22/03/2019	22/03/2019	25/03/2019	50
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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
District Level Workshop on Cyber Crime Women Safety	20/07/2018	20/07/2018	160	105
Self Employment Training	20/12/2018	20/12/2018	89	43
WORKSHOP ON "Student's safety and Safety measures"	21/12/2018	21/12/2018	57	43
Medical Examination and Counselling	12/02/2019	14/02/2019	244	117
Physical Efficiency Test and Counselling	18/01/2019	23/01/2019	112	28
Self Defense Academy Training	28/07/2018	28/08/2018	33	12
Disaster Management Training	08/07/2018	23/06/2019	20	10

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

1. 'Solar water heater' of 1000 liters capacity in girl's hostel. 2. 'Automatic solar based LED lights' in college campus. 3. Bio gas Plant in girl's hostel. Using alternate energy initiatives approximately 480 units of power is generated during the year, which is the saving in consumption of electric power. The bio gas produced is utilized in the hostel kitchen for about 2 to 2 ½ hours per day for cooking. Thus, it saved 03 LPG cylinders during session 2018-19.

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	1
Provision for lift	No	0
Ramp/Rails	Yes	1
Braille Software/facilities	No	0
Rest Rooms	Yes	1
Scribes for examination	Yes	10
Special skill development for differently abled students	No	0
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
2018	7	11	01/07/2018	01	Tree plantation Campaign at Bank of River Morna.	Environmental awareness Social Responsibility	35
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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	13/07/2018	Summary of code of conduct In accordance with the directions of the State university act 2016, code of conduct for various stake holders is observed and followed with great care. Shri R.L.T. College of Science

Akola ensures the acceptance and adaptation of the act and prescribed code of conduct for various stake holders.

Teaching faculties fulfill their duties and commit themselves to the code prescribed for them. They 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. The code of conduct for students sets out the standards of conduct Summary of code of conduct In accordance with the directions of the State university act 2016, code of conduct for various stake holders is observed and followed with great care. Shri R.L.T. College of Science

Akola ensures the acceptance and adaptation of the act and prescribed code of conduct for various stake holders.

Teaching faculties fulfill their duties and commit themselves to the code prescribed for them. They 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. The code of conduct for students sets out the standards of conduct expected of them. It holds individuals and groups responsible for the outcome of their actions. Failure to fulfill these responsibilities may result in the withdrawal of the rights or the imposition of the sanctions. Administrative

staff offers very healthy atmosphere for all the other stakeholders ensuring proper and smooth functioning of the institution, through supervision, giving directions to other employees and students. Office superintendent being incharge of college office is personally responsible for proper functioning, issuing memos, observing attendance records, personally looking into court cases of college etc. works are done under his leadership. Accountant is a pillar of the financial status of the college. Some of the qualities he possesses are like competency, confidentiality, integrity, etc. Peons play their respective roles in doing their duties like cleaning, opening and closing windows, switching on and off lights and doing other office work. Laboratory attendants too follow their duties to the best effect. College development committee too plays a very vital role in implementing many ideas for the smooth functioning of college.

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Helping Hand towards the Disabled	24/08/2018	24/08/2018	100
Swachchhata Pandharvada	01/08/2018	15/08/2018	300

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

1. Rain water from the roof of college building is channelized towards water harvesting pits which are constructed in front of hostel near borewell and auditorium hall.
2. Nursery of saplings grown from naturally occurring

seedlings was developed by Department of Botany. 3. On occasion of Independence Day, Department of Botany, NSS and NCC unit undertook tree plantation programme to maintain eco-friendly and pleasant green campus. 4. Due to installation of 'Turbo-ventilators' on the roof of auditorium and some class room (1, 2 and 3) for exhaust of gases, consumption of electricity required by fans and air conditioners has reduced to great extents. 5. Power Saving LED bulbs are installed in Computer, Information Technology and Bioinformatics laboratories. 6. Reduced electricity consumption due to installation of 'Solar water heater' in girl's hostel and 'Automatic solar based LED lights' in college campus. 7. Cleanliness Plastic Eradication Campaign is regularly performed by a committee namely "MUNIJAN (Maharashtra University New Initiatives Joint Action Now)" in college premises. 8. Use of organic manures in the college garden. 9. A Water basin in Botanical garden satisfies bird's need of water for drinking and bathing. Also, Gambusia fishes are released in water basin to control mosquito larvae. On International Sparrow Day (20/03/2019), Bird nests earthen water-pots were tied on the plants in the garden and college campus. Students regularly watered it carefully, as the temperature raises high in summer.

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

Describe at least two institutional best practices Upload details of two best practices successfully implemented by the institution as per NAAC format in your institution website, provide the link Best Practice 1: Title of Practice: Eco friendly Ganesha Idol Preparation Goals: • To reduce water pollution due to immersion of idols in rivers • To develop environmental consciousness. The Context: - India is country where festivals of all religions are celebrated with great enthusiasm and unity. But due to ever increasing population few practices in these festivals creating burden on environment and contributing in pollution. Ganesha festival in one of the widely celebrated events where Lord Ganesh idols are worshiped for ten days. Most of the time these idols are made by plaster of Paris (POP) which when immersed in rivers, contribute for water pollution and adversely affect water ecosystem. An attempt was made to prepare Ganesha Idols by using Shadu soil, which gets dissolved easily in water after immersion. This not only created environmental awareness but also helped students to engage themselves positively to know their own hidden talents. The Practice: • Department of Microbiology in collaboration with Microbiologist society India, department of Social forestry and NGO NisargaKatta advertised event amongst students. • Around 110 candidates participated in event on 06/09/2018. • All participants were provided with clay of shadu soil and trainers gave them hands on experiences and trained them to make beautiful idol. • All participants were given certificates. • Ms. Alfiya shekh was Felicitated for making Ganesha Idol and giving message of communal harmony. Evidences of Success: Total 110 eco friendly Ganesha idols were prepared and participants worshiped these idols instead on POP ones. An exhibition cum sell of these idols was organised on 08/09/2018. Minister Dr. Ranjeetji Patil, Dr. R.B. Heda, President of B.G.E. Society, Adv. M.G. Mohta Hon. Secretary B.GE Society and more than 400 people visited the exhibition. These eco friendly idols helped to reduce water pollution as equal number of POP idols were not used. Resources required: Shadu Soil, water, card board and trainers. Problems Encountered: No Weblink:- <http://rltsc.edu.in/2019/09/02/one-day-workshop-on-eco-friendly-ganesha-idol-preparation/> Best Practice 2: Title of the Practice: Nature reading through Mobile photography Goal: To create interest in Mobile Photography for aspects of nature and social awareness. The Context: Mobile is a much needed device for the today's generation. Peoples use mobile not only for talking but for many more other uses like internet surfing, chatting, photography and entertainment. To create positive use of Mobile, betterment for photography, to develop constructive interest about nature and social aspects

and to elaborate hidden skill in students Mobile photography competition and exhibition was organized by the college. This contest definitely helps to develop keen interest in photography by mobile device with nature and social aspects. For constructive and hidden skill development this contest will be consider as best practice. The Practice: • This activity was conducted by ZEBRA cell, Zoology Department of College. Students from college participated in the contest and exhibited their Mobile photography collection. • Photographs snapped by using mobile device only were accepted. • Main condition for competition was that photographs should be in its original form, without any major editing except contrast and brightness change. Mobile photographs should be strictly related to the topics like nature and social aspects. • Selected photographs were exhibited and arranged for competition. • Jury members were appointed for selection of the photographs. • Jury members selected photographs by technical criteria and according to the theme of the contest. Photographs selected for results and winners were declared. • Winners were felicitated with attractive prizes, awards and certificates. 1st, 2nd, 3rd and two consolation prizes were awarded. Evidences of Success: About 80 students were participated in the photography competition and exhibition. All photographs taken by Mobile device were selected and DSLR camera photographs rejected from the contest. More than 300 students and staff took advantage of exhibition. Such exhibition creates interest, inspiration and motivation in other visitors of the exhibition. Such practice definitely helps students to develop their photography skill with positive and constructive purpose. Resource Required: Any Android Mobile, Snapped photographs, exhibition place, Jury members related to the photography field etc. Problem Encountered: For Mobile or DSLR camera photographs selection technical practice carried out for authentic verification. Weblink: <http://rltsc.edu.in/2018/09/02/nature-reading-through-mobile-photography/>

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/2019/09/02/one-day-workshop-on-eco-friendly-ganesha-idol-preparation/>

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

Provide the details of the performance of the institution in one area distinctive to its vision, priority and thrust Provide the weblink of the institution in not more than 500 words EUREKA: A Workshop for High School students and teachers Mission of our institute is to dedicate our self to the cause of science education and propagation of scientific temper among the students and society. Every year college organizes various activities for propagation of scientific temper among the students and society. One Day Workshop EUREKA (Emerging Universe of Research Education Knowledge Ascent) organized on 13th March 2019, for High School students and teachers was one of the performances of the Institution distinctive to its vision, priority and trust. Total 118 students and 30 teachers participated in the event. Following were the objectives of this workshop. • To develop interest in the field of science. • To develop basic research skills for all disciplines of science. • To improve skill and knowledge of students through sharing experiences and information through lecture, demonstration and other group activities. • Developing basic research skills for all disciplines of science. • To motivate students and teachers for scientific study behind the events. Technical Session: The first informative speech was delivered by Prof. Dattaraj Vidyasagar on topic Internet Awareness. He explained how to create email account and its. Second lecture on topic Superstitions Science was given by Dr.

Sanjay Tidke, NSS District Coordinator, Akola. He explained how so called Godmen, Maharaj, Bhondubabas misguides us. By giving various examples and actual demonstrations he explained basic scientific reasons behind the myths. Mr. S.R. Jaiswal, Member, Sky Observation Club (SOC) of College discussed with a view to enlighten, generate curiosity and inspire young minds of science students to contribute the understanding of world around us. Through his topic "Know Our Universe". Mr. Vishal Morey, Member of Damini Pathak, Akola Police Department focused on "Cyber World Security". Profound informative speeches were delivered by such a nice resource persons and step to create scientific awareness in participants. Laboratory visits: Laboratory visits were arranged for school students and teachers. Animal Kingdom was explored in Zoology Laboratory. Participants visited to Wild Life Pencil Art Exhibition. They also observed 'Birds of Akola', a project completed by B.Sc. II students. Exhibition of Plants Herbarium was arranged in Department of Botany. Chemistry in everyday life was explained by giving demonstrations in Chemistry Laboratory. Students experienced and enjoyed Rainbow in the darkroom of Physics department. Students observed and handled computer in computer science laboratory. Various electronic instruments were shown in department of Electronics. In Microbiology Laboratory many participants took their first look in microscopes. Astronomy Gallery was one of the major attractions of workshop. Science Aptitude Test was organized for school students. Winners of Science Aptitude Test were felicitated. Thus, the overall activities of workshop EUREKA (Emerging Universe of Research Education Knowledge Ascent) facilitate a wonderful network by connecting Department of Edu., science educators, school students and teachers together for spreading scientific temper among society.

Provide the weblink of the institution

<http://rltsc.edu.in/2019/03/20/one-day-workshop-eureka/>

8.Future Plans of Actions for Next Academic Year

1. Since, Shri Radhakisan Laxminarayan Toshniwal college of Science is celebrating its Golden Jubilee Year of establishment, IQAC committee has decided to conduct 50 projects related with academic curricular, co-curricular, extracurricular, social, cultural and sports activities during the academic year 2019-20. 2. To organise National level conference on the theme of Science Technology. 3. In order to strengthening the infrastructure of our institution, we are looking to renovate the 4th laboratory of Physics Department as well as other departments of our college, for conduction of smooth routine practicals and theories. 4. To organise National and International guest lectures of eminent personalities with the help of other departments of college to confront the students at global level. 5. To introduce new PG Courses, Certificate Courses, Pre Ph.D. Course Work Centre in our college and strengthen the academic flexibility. 6. To start Google classrooms to provide platform of readily available online study material to the students even after the college hours and provide seamless communication among teachers and students. Google classroom is the future of digitized education. It is basically an information communication technology based classroom accessible for selected group of students. We are planning to integrate Google Classroom with our college website's e-Pathshala portal to provide extension to traditional classrooms with interactive sessions combining with syllabus compliant, multimedia content. 7. To start value aided courses like Disaster Management, Soft Skill Development programs by professionals and industry experts to help students stand apart from the rest in the job market by adding further value to their resume. This will help build up their career opportunities. We are planning to cover the Campus Recruitment Training, Aptitude Test Training, Advanced Web Technology, etc. 8. To start a research festival in our college in order to motivate students teachers and provide a platform to researchers to present their innovative ideas and skill.

