SELF STUDY REPORT

FOR

1st CYCLE OF ACCREDITATION

RR INSTITUTE OF TECHNOLOGY

RAJA REDDY LAYOUT, NEAR CHIKKBANAVARA RAILWAY STATION,
CHIKKABANAVARA BANGALORE, KARNATAKA
560090
www.rrit.ac.in

Submitted To

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

BANGALORE

January 2018

1. EXECUTIVE SUMMARY

1.1 INTRODUCTION

RR Institute of Technology started in the year 2008, is recognized by AICTE, New Delhi, and approved by Govt. of Karnataka, affiliated to Visvesvaraya Technological University (VTU), Belgavi, Karnataka. The institute is located in a lush green 2.75 acres campus and is at a distance of 16 km from Bangalore city railway station and in the proximity of Chikkabanavara railway station with well-connected local transportation facilities from all the major residential and business localities of Bangalore. The Institute offers 6 UG courses leading to B.E. in CE, ME, EEE, ECE, CSE, ISE, 2 PG courses leading to M Tech(DEC) CSE & M Tech(CSE) and also research programs leading to M.Sc.(Engg by Research) & PhD program of VTU Belgaum. The laboratories of the RRIT are of the State of the Art style. The spacious library hosts 20100 Volume of books consisting of 2485 titles and hard copies of National/International journals along with e- journals/resources. Well qualified102 resource persons (out of which 13 are with Doctorate Degree) reciprocate to the requirements of every individual student and research scholars. 500 systems in LAN computing facility bridges the students with the industries. The computing, sports, canteen, hostels (separate for boys and girls), Wi-Fi, transport, medical facilities, are the salient features of RRIT.

Vision

"To be a premier Institute with excellence in the field of Engineering and Management education at National level by 2020".

Mission

- To consistently strive for Academic Excellence
- To promote collaborative Research & Innovation
- To create holistic teaching learning environment that build ethically sound manpower who contribute to the stake holders operating at Global environment.

1.2 Strength, Weakness, Opportunity and Challenges(SWOC)

Institutional Strength

1. RRIT is a premier, 10 years old Engineering   Institution situated at Industrial Hub Bengaluru offering UG, PG and Research programmes,affiliated to VTU.
2. Qualified and experienced faculty members.
3. Excellent team work among faculty and students.
4. High level of interaction between students andteachers.
5. Academic calendar is strictly adhered to the schedule.
6. State of art facilities and infrastructure.
7. Every department has separate library.
8. Good computing and internet facilities.

9. Competent and Effective leadership.
10. Strong Student Monitoring and Proctor system. Atmosphere of success for faculty, staff, and students

Institutional Weakness

1. Staff attrition rate
2. Research culture & R & D facilities
3. Inter disciplinary collaborative
4. Technical staff.
5. Approach to enhance consultancy activity.
6. Counselling of students for competitive examinations.
7. Poor Communication skill of students
8. Quality of the students admitted.
9. Poor Quality & Students Intake.
10. Industry-institute partnership, building entrepreneurs and incubating start-ups.
11. Faculty with PhD Qualification
12. Limited Interactions

Institutional Opportunity

1. Enhance R&D activity
2. Consultancy
3. Collaboration with International AcademicInstitutes & Organisation
4. Development of faculty and supporting staff.
5. Networking with National R & D labs., IITs and NITs.
6. Benchmarking with reputed institutes.
7. To enhance student participation in National and International competitions.
8. Accreditation from NAAC and NBA.
9. Student and staffparticipation in National andInternational competitions.
10. Use of Alumni Association.
11. More partnerships with local employers - those in the private, non profit, and public sectors
12. Relationship with R&D Organizations
13. Centre of Excellence
14. Consulting, Training and Research.
15. Increase national and regional recognition
16. Potential of Centres of Excellence
17. Improve campus placement

Institutional Challenge

1. Reduced level of Competency among intake students.
2. Reduced job opportunities.
3. Stiff Competition from Autonomous and Private Universities.
4. Attrition rate of qualified and experienced faculty
5. Willingness of faculty to take up Research, Consultancy and Collaborations.

6. Poor student enrolment
7. Saturation of engineering education market
8. Declining interest in technical subjects by students

1.3 CRITERIA WISE SUMMARY

Curricular Aspects

R.R. Institute of Technology is an Engineering College affiliated to Visveswaraya Technological University Belagavi. The curriculum is developed & syllabus for each subject is prescribed by the University and all colleges affiliated to University follows the same. Every activity at RRIT, is well planned and scheduled according to calendar of events of VTU and RRIT Academic Calendar .Prior to the commencement of semester, the academic meeting is conducted by the Principal with all the faculty members. Every faculty prepares & maintains Syllabus, Lesson plans, Notes, Teachers diary, Course files of their respective subjects. The dissemination of Syllabus is done through Chalk & talk, PPT Presentations, Assignments, Workshops, Invited talks, Various Subject related technical quiz, Certificate courses, value added courses, Guest lectures from experts on various gender related issues, Environment issues and Industrial visits are arranged by each department to enhance the curriculum quality. The college also encourages the students to take part in technical and research activities to strengthen their knowledge. Encouraging the students to participate in State, National and International conferences/ workshops/ Seminars/ Symposiums. The feedback is collected from Students, Teachers, Employers, the alumni & parents. All these feedbacks are analysed and recommended to the Management.

Teaching-learning and Evaluation

Teaching:

RRIT follows a transparent process for teaching learning process with the well planned, structured and organized activities as per the norms of the VTU.

The Principal and the Head's of the Departments prepares the calendar of events based on VTU academic calendar, every semester including the academic and non-academic activities of the Institute.

Learning:

A well-qualified team of teachers are involved in teaching. Interactive teaching techniques engage students in higher order thinking and investigation through class room practices like group discussion, debate, and internships. Their technical skills and knowledge are updated by exposing them into various in-house programs, conferences, workshops, seminars, symposiums etc.

Evaluation

There is a streamlined mechanism for continuous monitoring and evaluation of the students. The process of conduction of IA test is similar to the conduction of University Exams. The institution conducts three internal

tests for 20 marks each for CBCS and 25 marks each for NON-CBCS in all subjects based on university models. Answer scripts (blue books) of the internal marks are given to all students where student's grievances with reference to evaluation are addressed. The students are informed about internal assessment marks and signatures of the students are recorded by the respective subject teachers.

Research, Innovations and Extension

Research:

The Research Development Committee encourages students, faculty and research scholars to write project proposals and extends grants for innovative projects. The college library has good collection of books and journal subscriptions to facilitate research. The Institution has received grants for various projects.

Innovation:

The Industry and Technical experts are invited to the campus to reinforce the students towards innovation. In order to provide better interaction between the institution and industry, the institute operates a separate Intellectual Property Rights Cell (IPR)..The institute has a innovative club in place. The Institute has a culture of awarding the faculty and the students on the base of innovations. Faculty is awarded as Best Innovative Teacher and the students are awarded for their best project during the MERAKI – Annual Project Exhibition.

This has resulted in good number of publications, MOUs with Industries, Organisations of National & International repute.

Extension:

The Institution promotes practical experience for students to move social responsibility from theoretical foundation to practical applications. The Institution aims at development of students and transforming them into responsible citizens with moral values through various awareness programmes likeAnnual Blood Donation Camp, Road safety , Cleanliness awareness & Swatch Bharath Abhiyan, Vittiya Saksharatha Abhiyan, Sadhbhavana Diwas, Awareness on Petrol and Diesel saving ,Awareness of prevention of Dengue and Chikangunya ,Accident Awareness programme, Computer Awareness,Old age home visit, Drug awareness programme.

Infrastructure and Learning Resources

The institution has sufficient number of well-furnished, well ventilated, spacious classrooms for conducting theory classes. All laboratories are established as per norms of Apex body are well equipped, and well maintained not only for carrying out curriculum oriented lab practical's but also to carry out research activities. The ICT facilities created, maintained and managed by an exclusive System Administrator. Common Room for Boys and Girls separately is available in the campus.

The Library comprises of 20100 volumes of Books with 2485 Titles and 7 National printed Magazines. The Library subscribes to about 17600 full text E-journals from **ASCE, IEEE , Springer Link, Taylor & Francis, Elsevier Science Direct, Knimbus,Proquest (Engg& Mgt.) &DELNET**.The E-Books Subscription package includes around 1035 from Taylor & Francis-CRC Netbase,Knimbus, delnet&McGrawhill Education. In addition, there are 47 Bound volumes of journals, 272 Project Reports,1079 CD's /DVD's & 100 IS Standards. All the operations of the Library are automated using IIMS (Release 2.3) software **NPTEL** (National Programme on Technology Enhanced Learning) facility is provided across the campus through the institute local network for unlimited access to **Video Lecture and Web courses** of eminent faculties from **IISC** and **IIT's** in Engineering and Science subjects.

All the Buildings are Inspected Annually, and necessary actions or repairs are carried out as per annual Maintenance Budget. Greenery, Lawns, Trees are trimmed and maintained by gardener and a helper. All laboratories of every department have maintenance register.

Student Support and Progression

. Students belonging to SC/ST/OBC and economically weaker sections receive scholarships from state government, central government and other national agencies.Students are encouraged to appear for Competitive exams to enhance their employment prospects and higher studies. The institute conducts soft-skill development, career counselling, remedial coaching classes for slow learners, Bridge courses to bridge the gap between the subjects, personal counselling sessions for the students by inviting external experts and entrepreneurial skills are inculcated through ED Cell. The Institute has Student Redressal committee, Anti-Ragging committee, Anti-Sexual harassment committee which helps in timely Redressal of student grievances regularly.

RRIT gives preference to economically and socially backward students, students from other states and from other countries. Profiles of the students are maintained in the college office and departments after admission process are complete. Best Outgoing students (based on performance in exams) in every streams are awarded by the silver medals and overall topper of the college is awarded with the gold medal.

Training and Placement cell provides pre-placement guidance to the students for placement activities. Department wise news-letters and magazines are released periodically.

For the overall development of students the institute encourages student participation in co-curricular and extra-curricular activities by providing the required support.The college has sufficient infrastructural facilities for sports/games.

The college organizes alumni meet every year to have a continued bonding with alumni and to get their support

in student progression

Governance, Leadership and Management

The Vision Mission of the college is based on the vision mission of the PKM Educational Trust. In tune to the Vision and Mission of the college, each Department's, their Associations and the various Committees of the colleges have developed the Vision and Mission. The Governing Council, which also consists the faculty members, takes important decisions related to the holistic development of the College.

The Management and the Principal interacts on regular basis with stakeholders during the academic meeting, Parent's teachers meeting and Alumni Association meetings, regularly with the students in the various events.

The Institution through its IQAC, makes rigorous and continuous efforts to study, analyse and improvise every strategy, activity, process and procedure in all activities with an aim to achieve, sustain and enhance quality with a view to achieve excellence. IQAC organizes a continual assessment of teaching and learning process and proper documentation during the academic review committee headed by the Principal. IQAC is constantly evaluating teaching learning process through feedbacks. Management supports for Research Projects and encouraging research collaborations.The Institution has mechanisms for conducting internal

academic audit and external audit. Outcome of both internal and external audits are discussed and the areas identified for improvement are taken up and tracked to closure

Institutional Values and Best Practices

To sensitize the students about environment, programs are organized time to time. Serene Atmosphere maintained in the Campus provides stress-free life with modern amenities to the students and faculty members. Energy saving LED lights is installed. Efforts towards carbon neutrality are taken at institute level as well as at individual level. Sufficient plantation on the campus reduces carbon emission and keeps campus green and pollution free. Provision of clean drinking water facility is available in each floor of the campus.Use of plastic bags is discouraged within the premises of the College. All the miscellaneous e-waste such as CDs, batteries, fluorescent bulbs, PCBs and electronic items are collected from every department and delivered for safe disposal.

Rainwater harvesting is implemented with a strong desire to conserve water.Each block of the building and playgrounds are surrounded by large green lawns, and trees which maintain healthy and balanced environment. Institute has separate parking zone for vehicles.

2. PROFILE

2.1 BASIC INFORMATION

Name and Address of the College	
Name	RR INSTITUTE OF TECHNOLOGY
Address	RAJA REDDY LAYOUT, NEAR CHIKKBANAVARA RAILWAY STATION, CHIKKABANAVARA BANGALORE, KARNATAKA
City	BANGALORE
State	Karnataka
Pin	560090
Website	www.rrit.ac.in

Contacts for Communication					
Designation	**Name**	**Telephone with STD Code**	**Mobile**	**Fax**	**Email**
Principal	M S BHAGY ASHEKAR	080-28391553	7899743333	080-2839155 2	rrit@rrinstitutions. com
IQAC Coordinator	MAYA SALIMATH G	080-28391554	9611193888	080-2839621 0	naac@rrinstittions. com

Status of the Institution	
Institution Status	Private

Type of Institution	
By Gender	Co-education
By Shift	Regular

Recognized Minority institution	
If it is a recognized minroity institution	No

Establishment Details

Date of establishment of the college	01-01-2008

University to which the college is affiliated/ or which governs the college (if it is a constituent college)

State	University name	Document
Karnataka	Visvesvaraya Technological University	View Document

Details of UGC recognition

Under Section	Date	View Document
2f of UGC		
12B of UGC		

Details of recognition/approval by stationary/regulatory bodies like AICTE,NCTE,MCI,DCI,PCI,RCI etc(other than UGC)

Statutory Regulatory Authority	Recognition/Approval details Institution/Department programme	Day,Month and year(dd-mm-yyyy)	Validity in months	Remarks
AICTE	View Document	30-03-2017	12	

Details of autonomy

Does the affiliating university Act provide for conferment of autonomy (as recognized by the UGC), on its affiliated colleges?	No

Recognitions

Is the College recognized by UGC as a College with Potential for Excellence(CPE)?	No
Is the College recognized for its performance by any other governmental agency?	No

Location and Area of Campus				
Campus Type	**Address**	**Location***	**Campus Area in Acres**	**Built up Area in sq.mts.**
Main campus area	RAJA REDDY LAYOUT, NEAR CHIKKBANAVARA RAILWAY STATION, CHIKKABANAVARA BANGALORE, KARNATAKA	Urban	11128.86	10618.8

2.2 ACADEMIC INFORMATION

Details of Programmes Offered by the College (Give Data for Current Academic year)						
Programme Level	Name of Programme/Course	Duration in Months	Entry Qualification	Medium of Instruction	Sanctioned Strength	No.of Students Admitted
UG	BE,Mechanical Engineering	48	PUC	English	120	24
UG	BE,Civil Engineering	48	PUC	English	120	57
UG	BE,Information Science And Engineering	48	PUC	English	60	23
UG	BE,Computer Science And Engineering	48	PUC	English	60	55
UG	BE,Electrical And Electronics Engineering	48	PUC	English	60	16
UG	BE,Electronics And Communication Engineering	48	PUC	English	120	27
PG	Mtech,Computer Science And Engineering	24	BE or BTech	English	18	0
PG	Mtech,Electronics And Communication Engineering	24	BE or BTech	English	18	0
Doctoral (Ph.D)	PhD or DPhil,Mechanical Engineering	48	ME or MTech	English	5	1

Position Details of Faculty & Staff in the College

Teaching Faculty											
	Professor				**Associate Professor**				**Assistant Professor**			
	Male	Female	Others	Total	Male	Female	Others	Total	Male	Female	Others	Total
Sanctioned by the UGC /University State Government				12				32				101
Recruited	12	0	0	12	11	6	0	17	45	28	0	73
Yet to Recruit				0				15				28
Sanctioned by the Management/Society or Other Authorized Bodies				12				32				101
Recruited	12	0	0	12	11	6	0	17	45	28	0	73
Yet to Recruit				0				15				28

Non-Teaching Staff				
	Male	**Female**	**Others**	**Total**
Sanctioned by the UGC /University State Government				11
Recruited	4	7	0	11
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				11
Recruited	4	7	0	11
Yet to Recruit				0

Technical Staff				
	Male	**Female**	**Others**	**Total**
Sanctioned by the UGC /University State Government				126
Recruited	22	19	0	41
Yet to Recruit				85
Sanctioned by the Management/Society or Other Authorized Bodies				126
Recruited	22	19	0	41
Yet to Recruit				85

Qualification Details of the Teaching Staff

Permanent Teachers										
Highest Qualification	**Professor**			**Associate Professor**			**Assistant Professor**			
	Male	Female	Others	Male	Female	Others	Male	Female	Others	Total
D.sc/D.Litt.	0	0	0	0	0	0	0	0	0	0
Ph.D.	9	0	0	3	1	0	0	0	0	13
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	7	5	0	43	30	0	85

Temporary Teachers									
Highest Qualification	Professor			Associate Professor			Assistant Professor		
	Male	Female	Others	Male	Female	Others	Male	Female	Others	Total
D.sc/D.Litt.	0	0	0	0	0	0	0	0	0	0
Ph.D.	0	0	0	0	0	0	0	0	0	0
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	0	0	0	0

Part Time Teachers									
Highest Qualification	Professor			Associate Professor			Assistant Professor		
	Male	Female	Others	Male	Female	Others	Male	Female	Others	Total
D.sc/D.Litt.	0	0	0	0	0	0	0	0	0	0
Ph.D.	3	0	0	0	0	0	0	0	0	3
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	1	0	0	0	0	0	1

Details of Visting/Guest Faculties				
Number of Visiting/Guest Faculty engaged with the college?	Male	Female	Others	Total
	0	0	0	0

Provide the Following Details of Students Enrolled in the College During the Current Academic Year

Programme		From the State Where College is Located	From Other States of India	NRI Students	Foreign Students	Total
Doctoral (Ph.D)	Male	0	0	0	0	0
	Female	0	0	0	0	0
	Others	0	0	0	0	0
UG	Male	50	48	0	54	152
	Female	41	7	0	2	50
	Others	0	0	0	0	0
PG	Male	0	0	0	0	0
	Female	0	0	0	0	0
	Others	0	0	0	0	0

Provide the Following Details of Students admitted to the College During the last four Academic Years

Programme		Year 1	Year 2	Year 3	Year 4
SC	Male	8	11	3	9
	Female	3	3	2	0
	Others	0	0	0	0
ST	Male	2	7	7	3
	Female	0	3	3	2
	Others	0	0	0	0
OBC	Male	32	58	51	19
	Female	34	21	33	7
	Others	0	0	0	0
General	Male	149	183	168	185
	Female	34	64	56	88
	Others	0	0	0	0
Others	Male	13	12	13	10
	Female	13	13	12	11
	Others	0	0	0	0
Total		288	375	348	334

3. Extended Profile

3.1 Program

Number of courses offered by the institution across all programs during the last five years

Response : 10

Number of self-financed Programs offered by college

Response : 9

Number of new programmes introduced in the college during the last five years

Response : 4

3.2 Students

Number of students year-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
288	375	348	334	356

Number of seats earmarked for reserved category as per GOI/State Govt rule year-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
148	148	148	115	115

Number of outgoing / final year students year-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
257	301	226	266	151

Total number of outgoing / final year students

Response : 324

3.3 Teachers

Number of teachers year-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
98	98	96	91	85

Number of full time teachers year-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
98	98	96	91	85

Number of sanctioned posts year-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
142	134	126	104	88

Total experience of full-time teachers

Response : 927.2

Number of teachers recognized as guides during the last five years

Response : 47

Number of full time teachers worked in the institution during the last 5 years

Response : 481

3.4 Institution

Total number of classrooms and seminar halls

Response : 37

Total Expenditure excluding salary year-wise during the last five years (INR in Lakhs)

2016-17	2015-16	2014-15	2013-14	2012-13
379.53	396.34	654.56	497.93	350.41

 Number of computers

Response : 500

Unit cost of education including the salary component(INR in Lakhs)

Response : 0.615

Unit cost of education excluding the salary component(INR in Lakhs)

Response : 0.312

4. Quality Indicator Framework(QIF)

Criterion 1 - Curricular Aspects

1.1 Curricular Planning and Implementation

1.1.1 The institution ensures effective curriculum delivery through a well planned and documented process

Response:

R.R. Institute of Technology, an institute of Higher Education imparting Engineering education affiliated to Visveswaraya Technological University Belagavi, adopts the regulations and curriculum of the University. The curriculum defines the syllabus, learning objectives, and learning levels also the university provides the calendar of events twice in every academic year. Accordingly the academic and non academic activities are planned and aligned.

The syllabus will be discussed in the Academic Advisory Committee/ HoDs meeting, for effective implementation. In the academic meeting , the principal instructs faculty members to prepare the Programme, Course and programme specific objectives, Individual course plans, Lecture notes, PPTs, Theory teaching, practical teaching and lab manuals. The same is prepared by each faculty member and communicated to the students by circulars, notice boards or on the websites.

Further, if a subject is common to more than one branch or class, if more than one faculty handles a particular subject, then a course coordinator is nominated for the same; the course coordinator conducts a meeting with all the faculty handling the subject to deliberate the mode of teaching, discuss the worksheets to be given to the students and to fix the portions for each Continuous Assessment Test.

Every individual faculty member maintains Teacher's Diary , and course file which includes: Vision, mission of the institution and department, Students list, Syllabus copy with text books and reference books, Calendar of events, Course Time table, Lesson plan, Attendance registers, class time table, Individual time table, Course Outcomes , Lecture notes, Question papers of Internal Tests with scheme and solution, list of Assignments, Copies of PPTs slides, if any, VTU question papers of previous years. These course files are reviewed continuously, in every academic meeting during the IA tests of the students, as per the calendar of events.

Lecturers are planed according to the lesson plan and it will be periodically inspected by the principal and Heads from respective department. Each staff member maintains a teaching diary to record topics covered in each class. Review of the teaching diary is periodically done by Head of the Department

Further, in order to get a real time exposure to the industries and their requirements, students are encouraged to visit industries and also complete mini projects a part as their course assignments. Some of the students also go for internships at industries.

Some lecture notes are converted into soft copy, PPT and hard copy. Soft copies of the notes are given to the students. The Hard copy of the notes is maintained at the photocopy centre of the college, the students are informed to collect the same.

As per the curriculum/ syllabus, Technical quiz conducted after the completion of each unit and modules

Project exhibition for final year students and lower semester students (project and mini project)

1.1.2 Number of certificate/diploma program introduced during the last five years

Response: 0

1.1.2.1 **Number of certificate/diploma programs introduced year-wise during the last five years**

2016-17	2015-16	2014-15	2013-14	2012-13
0	0	0	0	0

File Description	Document
Details of the certificate/Diploma programs	[View Document](#)

1.1.3 Percentage of participation of full time teachers in various bodies of the Universities/ Autonomous Colleges/ Other Colleges, such as BoS and Academic Council during the last five years

Response: 5.34

1.1.3.1 Number of teachers participating in various bodies of the Institution, such as BoS and Academic Council year-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
1	1	1	1	1

File Description	Document
Details of participation of teachers in various bodies	[View Document](#)

1.2 Academic Flexibility

1.2.1 Percentage of new Courses introduced out of the total number of courses across all Programs offered during last five years

Response: 40

1.2.1.1 How many new courses are introduced within the last five years

Response: 4

File Description	Document
Details of the new courses introduced	[View Document](#)

1.2.2 Percentage of programs in which Choice Based Credit System (CBCS)/Elective course system has been implemented

Response: 100

1.2.2.1 Number of programs in which CBCS/ Elective course system implemented.

Response: 9

File Description	Document
Name of the programs in which CBCS is implemented	[View Document](#)

1.2.3 Average percentage of students enrolled in subject related Certificate/ Diploma programs/Add-on programs as against the total number of students during the last five years

Response: 71.24

1.2.3.1 Number of students enrolled in subject related Certificate or Diploma or Add-on programs year-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
200	250	205	271	285

File Description	Document
Details of the students enrolled in Subjects related to certificate/Diploma/Add-on programs	[View Document](#)

1.3 Curriculum Enrichment

1.3.1 Institution integrates cross- cutting issues relevant to Gender, Environment and Sustainability, Human Values and Professional Ethics into the Curriculum

Response:

Yes, RRIT integrates cross cutting issues relevant to Gender, Environment and Sustainability, Human Values and Professional Ethics into the Curriculum. As part of curriculum, all students study the various subjects like Management and Entrepreneurship, Environmental Studies and Constitution of India, Professional Ethics & Human Rights. These subject imbibes the importance of Human Values and Professional Ethics to the students, concern to the environmental issues and evaluate possible solutions, Develop analytical skills, critical thinking and demonstrate socio-economic skills for sustainable development, also makes them think on impact of specific issues and develop environmental management plan. In addition to this the subject constitution of India provide basic information about Indian constitution, also clarifies the individual role and ethical responsibility towards society, makes students to understand human rights and its implications

In addition to the above, the efforts are made by the institution to integrate the cross cutting issues such as Gender, Climate Change, Environmental Education, Human Rights etc., in support of the curriculum are

Climate and Environment Issues

- Tree plantation
- Plastic free campus
- Green campus the whole year round
- Energy Club

Human Rights & Social Awareness Program

- Legal awareness classes
- Anti-Ragging Cell, Students Grevience Redressal Cell , SC ST Cell are in place
- NSS activity
- Yoga and sports activities

Gender Issues

- Girls' common room on the campus.
- Equal representation to women in all student councils.
- Internal Complaint committee is in place.
- **xtra –curricular activities** – sports, outdoor and indoor games, gymnasium, NSS activities, Public speaking, communication skills development, yoga, health and hygiene etc. Yoga Day is celebrated to give the awareness regarding wellbeing by yoga club of the college.

- Social activities like Blood Donation Camps, Tree plantation by green club, Independence Day, Republic Day, Engineers day etc..
- Alumni Meet Alumni meet is conducted every year 4th Sunday of January.
- Graduation Day: Issuing of Degree Certificates to all Graduates & recognizing Meritorious students by awarding them with gold and silver medal for the Toppers.
- Induction Day/ Orientation day: The Induction Program for the first year students will be to conducted every year on first day of re- opening to orient the students regarding course and also briefing on the college facility available, Scholarship Scheme, Placement details etc..

1.3.2 Number of value added courses imparting transferable and life skills offered during the last five years

Response: 41

1.3.2.1 Number of value-added courses imparting transferable and life skills offered during the last five years

Response: 41

File Description	Document
Details of the value-added courses imparting transferable and life skills	View Document

1.3.3 Percentage of students undertaking field projects / internships

Response: 94.44

1.3.3.1 Number of students undertaking field projects or internships

Response: 272

File Description	Document
Institutional data in prescribed format	View Document

1.4 Feedback System

1.4.1 Structured feedback received from 1) Students, 2)Teachers, 3)Employers, 4)Alumni and 5)Parents for design and review of syllabus-Semester wise/ year-wise
A.Any 4 of the above

B.Any 3 of the above

C. Any 2 of the above

D. Any 1 of the above

Response: E.None of the above

1.4.2 Feedback processes of the institution may be classified as follows:
A. Feedback collected, analysed and action taken and feedback available on website

B. Feedback collected, analysed and action has been taken

C. Feedback collected and analysed

D. Feedback collected

Response: E. Feedback not collected

Criterion 2 - Teaching-learning and Evaluation

2.1 Student Enrollment and Profile

2.1.1 Average percentage of students from other States and Countries during the last five years

Response: 11.12

2.1.1.1 Number of students from other states and countries year-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
146	125	64	125	188

File Description	Document
List of students (other states and countries)	[View Document](#)
Institutional data in prescribed format	[View Document](#)

2.1.2 Average Enrollment percentage (Average of last five years)

Response: 66.71

2.1.2.1 Number of students admitted year-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
288	375	348	334	356

2.1.2.2 Number of sanctioned seats year-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
576	576	576	456	420

File Description	Document
Institutional data in prescribed format	[View Document](#)

2.1.3 Average percentage of seats filled against seats reserved for various categories as per applicable reservation policy during the last five years

Response: 57.34

2.1.3.1 Number of actual students admitted from the reserved categories year-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
55	103	99	40	90

File Description	Document
Institutional data in prescribed format	[View Document](#)

2.2 Catering to Student Diversity

2.2.1 The institution assesses the learning levels of the students, after admission and organises special programs for advanced learners and slow learners

Response:

The close interaction between students and teachers makes the process of identifying the slow and advanced learners easy.

The advanced and slow learners are identified based on:

1. The performance in internal exams

2. The performance in quizzes.

3. Regular attendance to classes.

4. The performance in laboratory and tests.

5. Viva voce in laboratories classes.

Programmes for advanced learners:

- Advanced learners are encouraged to teach their fellow students in turn they become confident and also help them to learn more of the subject by referring to the reference books.
- Best Outgoing students (based on performance in exams) in every streams are awarded by the silver medals and overall topper of the college is awarded with the gold medal.

Programmes for slow learners:

- Extra assignment works are given
- Use of slides and images for better understanding

- In labs extra assignments to write each program 5 times is given
- For better understanding purpose real time examples and videos are used while teaching
- The faculty mentors assess the nature of their problem. Students with psychological / emotional problems are then motivated in a friendly way to reach their academic goals.
- Poor performance due to frequent absenteeism is dealt by sending SMS and registered letters to the parents of such students.
- Appropriate counselling with additional teaching, eventually helps to attend classes regularly.
- Special classes, remedial classes and tests are conducted for the slow learners after the regular classes of the Institute. Handouts, class notes are provided to the slow learning students for easy understanding of the topic.

For both advanced and slow learners:

Departmental Mentors: Every department has the mentoring system to mentor the students.

Bridge Courses: The Institute offers bridge courses in order to strengthen knowledge of basic concepts in Engineering Subjects.

Remedial Coaching: The Remedial sessions are scheduled preferably in holidays or before examinations. There is a streamlined mechanism for continuous monitoring and evaluation of the students.

Projects & Internships: The Institute promotes independent learning that contributes to their academic and personal growth. Students with research interest are provided opportunity to work with faculty on their research work. Students are also given an opportunity to work on live projects in both government and non government firms. Internship opportunities have been provided to the students by various companies.

Enrichment Courses:

- Certificate courses, Guest lectures from experts on various domains and Industrial visits are arranged by each department to enhance the curriculum quality.
- The college also encourages the students to take part in technical and research activities to strengthen their knowledge.
- Encouraging the students to participate in State, National and International conferences/ workshops/ Seminars/ Symposiums.

The Institute has signed MOU with some national and International Institutes and organizations and students are exposed to advance learning through such institutes / Organizations.

2.2.2 Student - Full time teacher ratio

Response: 11.71

File Description	Document
Institutional data in prescribed format	View Document
Any additional information	View Document

2.2.3 Percentage of differently abled students (Divyangjan) on rolls

Response: 0

2.2.3.1 Number of differently abled students on rolls

File Description	Document
Institutional data in prescribed format	View Document

2.3 Teaching- Learning Process

2.3.1 Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experiences

Response:

At the beginning of every semester, the college academic calendar is prepared in accordance to the university calendar and communicated to all staff and students which include co-curricular and extracurricular activities.

- Learner centric teaching methods such as group work, project work, industrial visits, seminars, presentations are employed to make teaching and learning more effective.
- Educational trips, surveys are organized
- The department organizes guest lectures by eminent personalities to develop the students to learn on their own. Visiting faculties drawn from industry and academic institutes of repute supplement the teaching process and provide the information to bridge the gap between industry and academia.
- The college is unique in having a club/ association with every department which organizes number of student centric activities. The participating students are from the same department or from other departments which promotes interdepartmental collaborative activities.
- Practicals in the departments involve individual as well as group work, under the guidance of the teacher. The teacher for that batch also serves as a mentor.
- Extensive uses of ICT facilities with e-learning resources at departments, library and labs promotes the habit of self-learning among the students.
- Technical Presentations and Technical seminars are conducted for UG and PG students.
- Through the feedback system we can improve the quality for feedback all mentors will be having the students detail book which contains all the semesters results .
- Three phases of project are conducted for each phase they have to give the seminars on their project. At last phase demonstration is given how the project is going to work.

- Making students aware of scholarships, free-ships to apply for obtaining financial support for their education
- Providing facility of payment of fees in installments for economically weak students
- Institute provides question bank, assignment to students as per the curriculum.
- Institute has Entrepreneurial Development cell which helps to develop the entrepreneurial personality of the students.
- Institute insists and encourages students' to bring out Technical Articles / Papers at the end of final year project so that they are exposed to Technical Paper writing skills, blind reviews, plagiarism and research ethics.
- Students are involved in real time funded research projects as Technical support so as to get them exposed to the latest research trend in the selected technical area and also inculcate in them the habit of reading which makes them lifelong learners and innovators.
- The institute also organizes special pre placement, placement training programmes which include aptitude skills, personality development, spoken English classes and communication sessions with an aim to develop the students to face on campus as well as off campus interviews.
- Student chapters of various professional societies (like ISTE, CSI etc.,) are formed involving students to conduct the technical, co-curricular and extracurricular activities to improve their skills.

2.3.2 Percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources etc.

Response: 100

2.3.2.1 Number of teachers using ICT

Response: 98

File Description	Document
List of teachers (using ICT for teaching)	[View Document](#)

2.3.3 Ratio of students to mentor for academic and stress related issues

Response: 13.68

2.3.3.1 Number of mentors

Response: 95

File Description	Document
Year wise list of number of students, full time teachers and students to mentor ratio	[View Document](#)
Any additional information	[View Document](#)

2.3.4 Innovation and creativity in teaching-learning

Response:

The Institution believes in Innovative Teaching Methods. Keeping this in mind the institution has adopted modern methods of teaching within and beyond class room.

- Use of technology in teaching learning and on-line and e-learning.
- Use of modern teaching aids coupled with required equipment's in the laboratories.
- Personality development classes.
- The teaching aids like slides, comparative charts, photographs, pictorial materials, and information and communication tools, practical Training Booklets etc. are used as per requirement to make the teaching and learning experience more effective and interesting.
- Moreover the college has a well maintained, separate Information Centre with internet and reprographic facility which is accessible to the students
- Conventional teaching has been made more effective by using the ICTs. Using PPTs, online demonstration, video clippings, online site links, group discussions, case studies, role plays etc., have helped substantially the students towards participatory learning and acquainting themselves with new innovative teaching learning process.
- Separate digital library for e-journals & VTU e- consortium

Efforts by the faculty

- Faculty prepares well-structured lesson plans for the subjects allotted which are made available to the students at the starting of the semester.
- Projects are carried out to understand the fundamental design printout, criteria and specification and under the constraints.
- Interface between the institution, industry and academia encouraged.
- The blooms taxonomy is applied in lesson planning and delivery.
- Organizing competitions for students such as lecture contests, quiz, debate, group discussion, debugging, idea presentation, model making, etc.
- Assignments are prepared by the faculty in all the subjects and students are asked to prepare the solutions.
- Faculty makes use of Laptop, Internet (Wi-Fi), digital library and online journals to prepare lectures, study materials & data from internet. Faculty makes use of models, graphs, PowerPoint presentation through LCD projector to present the content in the syllabus.
- Faculty prepares solved question bank for the students.
- Faculty makes use of collaborative learning and active learning.
- The teachers try to make lectures more student-centric by using OBE based teaching, cooperative learning.

Efforts by the Institution

- All the faculty members are encouraged to adopt innovative teaching methods so as to ensure effective learning outcomes.
- Bloom levels have also been introduced. These tools evaluate learning outcomes and are being used to improve academic performance.
- Institution organizes in-house training programs to hone teaching and mentoring skills.
- Faculty members are encouraged for technical as well as other training programs such as '**SDP &**

FDP programmes.

- Live lectures are beamed as per a regular schedule published by VTU e-Learning Centre across the V-SAT connectivity (EDUSAT)
- Institute has subscribed for online database which includes journals and transaction papers from Delnet, VTU-Consortium, IEEE-IEL online, Springer, Elsevier- Science Direct, Taylor & Francis etc.

2.4 Teacher Profile and Quality

2.4.1 Average percentage of full time teachers against sanctioned posts during the last five years

Response: 82.32

File Description	Document
Year wise full time teachers and sanctioned posts for 5 years	

2.4.2 Average percentage of full time teachers with Ph.D. during the last five years

Response: 12.92

2.4.2.1 Number of full time teachers with Ph.D. year-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
18	13	13	10	9

File Description	Document
List of number of full time teachers with PhD and number of full time teachers for 5 years	

2.4.3 Teaching experience per full time teacher in number of years

Response: 8.35

File Description	Document
List of Teachers including their PAN, designation,dept and experience details	
Any additional information	

2.4.4 Percentage of full time teachers who received awards, recognition, fellowships at State,

National, International level from Government, recognised bodies during the last five years

Response: 0

2.4.4.1 Number of full time teachers receiving awards from state /national /international level from Government recognised bodies year-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
0	0	0	0	0

File Description	Document
Institutional data in prescribed format	[View Document](#)

2.4.5 Average percentage of full time teachers from other States against sanctioned posts during the last five years

Response: 4.55

2.4.5.1 Number of full time teachers from other states year-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
10	8	6	4	1

File Description	Document
List of full time teachers from other state and state from which qualifying degree was obtained	[View Document](#)
Any additional information	[View Document](#)

2.5 Evaluation Process and Reforms

2.5.1 Reforms in Continuous Internal Evaluation(CIE) system at the institutional level

Response:

RRIT practices Evaluation as an integral part of teaching learning process. The Continuous Internal Evaluation for learning promotes learning by helping students learn more. It uses the classroom assessment process and the information about student achievement to enhance student learning. Continuous Internal Evaluation in Teaching and learning at RRIT can be divided into following three categories:

Diagnostic *Evaluation*: It is usually done before the teaching the actual course content. It is used to check students' previous knowledge and skill levels. Data of students available in proctor books and also student's database. Diagnostic assessments help course instructor to plan the lecture to address different learning requirements of students.

Formative *Evaluation*: Formative assessment methods include surprise quizzes, oral questioning, teacher observations and student reviews.

Summative *Evaluation*: These assessments are evaluative, and teachers usually summarize and report assessment results as a grade. Familiar examples of summative assessment include assignments, class tests or quizzes, performance tasks, final exams, course projects.

Continuous E*valuation*: this is done by conducting 3 periodic Internal Assessment tests in a semester as per the University rules to the students. This shall give a detailed idea about the performance level of the students.

Teachers Evaluation

Self Appraisal: the faculty evaluate themselves by filling the self performance evaluation form, which exhibits assigned marks to the contribution of faculty to development of the students community and organization.

Students Appraisal: Teacher's evaluation can be performed by asking students to give anonymous feedback about the teachers in the prescribed format. Evaluating these feedback forms would give an idea about the ability of the faculty members.

2.5.2 Mechanism of internal assessment is transparent and robust in terms of frequency and variety

Response:

Conduction of IA tests:

The Institute conducts Centralised Internal Assessments tests. There is an existing manual for conduction of IA tests which is followed in the institution. The manual explains the roles and responsibilities of all the members involved in the conduction of the tests. Also the formats f question papers, exhibiting the statement of marks, faculty invigilation duty allotment and the absentee statement branch , semester wise and section wise is mentioned.

Every semester one department is in charge of conducting the IA Tests. The centralised test coordinators are notified by the Principal's Office. All the 7 departments nominate one of its faculty members as the test coordinators. The same are responsible to organize the tests.

Initially a meeting of all the test coordinators is convened and the dates for submitting the question papers along with the schemes are announced as per the calendar of events. The Blue books are placed in the exam section and are distributed as per the seat allotment in the respective rooms.

The list of the eligible students is collected from the office and the seating arrangements are made accordingly. Each faculty prepares the question paper and the submit the same in sealed covers, to the Chief Coordinator. The question paper and the blue books are distributed to the rooms as per allocation.

The process of conduction of IA test is similar to the conduction of University exams. The institution conducts three internal tests for 20 marks each for CBCS and 25 marks each for NON-CBCS in all subjects based on university models.

Post IA tests:

The students are informed about awarding internal assessment marks. Internal marks are communicated to the students through detailed marks card. Under the newly introduced CBCS system, weight age is given for behavioural aspects such as attendance, assignment, internals and discipline. This ensures active participation of students. Internal marks according to their performance. Marks alloted for assignments submitted on time. Marks allocated for quiz. Class internals are conducted twice in a semester. Feedback is taken from the students o know the quality of learning. Parents meet is also the means to assess the teaching quality. Teachers maintain work diary, course outline and the same is submitted for verification to the Principal and HOD. Marks scored in Internal Assessment Tests, University Exams reflect the quality of teaching learning process. Answer scripts(blue books) of the internal marks are given to all students where student's grievances with reference to evaluation are addressed. The students are informed about internal assessment marks and signatures of the students are recorded by the respective subject teachers

2.5.3 Mechanism to deal with examination related grievances is transparent, time-bound and efficient

Response:

The committee constituted by the Principal and HOD consisting of experienced faculty members takes care of the grievances regarding the evaluation process.

The Institute makes ample effort to have transparency in the internal assessment. The test answers, scheme of evaluation and model papers are given to the students. Student gets opportunity to discuss the

performance in the tests with the concerned teachers.

While evaluating practical subjects and award of marks for the experiments, weightage is given to continuous evaluation which includes attendance, extension of experiment, communication of proper conclusion for the experiment performed etc.,

At the end of the semester, Internal Assessment marks are displayed on the Notice Boards so as to clarify any discrepancies that might of creped in due to typographical errors.

Evaluation of the internal blue book is done impartially and the marks are allotted deservingly. Any problems with the internal marks allotted are clarified then and there itself. If a student scores less than average marks in the given internals then the student is made to appear for the improvement test.

Students face lots of problem Post examination period. To address all those issues institution has maintained a separate unit named examination section. The entire examination proceedings are overseen by the College Examination section under the guidance of the Principal.

 Students are not excused to miss the examinations without any valid reasons. They are supposed to produce a valid reason to the HOD for not attending any of the tests conducted by the college. Students shall be exempted from taking up the final examination if their attendance is found to be well below 85 percent. However in special cases such as medical issues or any other personal issues a 10 percent grace attendance is given. To make sure that students are maintaining a healthy attendance status monthly attendance is calculated for each subject. Proctors are assigned to inform the parents about their children's attendance shortage.

Faculties from every department have to do proctoring for a group of students. The students are entitled to come out with their grievances and to approach the proctor or concerned subject teachers and also the evaluation processes even at university level. Those grievances are resolved. Every faculty shall call and inform the parents about the progress of their children. Along with this the concerned proctor will send monthly progress report of their respective students to their home. This way the institute makes sure that the student shall not face any regulatory obligations to face the external examination.

2.5.4 The institution adheres to the academic calendar for the conduct of CIE

Response:

The Principal and the Head's of the Departments prepares the calendar of events based on VTU academic calendar, every semester including the academic and non academic activities of the Institute. The same after the approval of the management is communicated to the faculty and the students.

Details included in Academic Calendar of Events

- Weekly Working Days
- Weekly Holidays
- Government Holidays
- Internal Assessment dates

- Practical exam dates
- Conferences, Workshops, Technical Seminars, Industrial Visit Dates
- PTM, Sports Day, Cultural Day, Annual Day, Graduation Day
- Last working day of the semester

Based on this, each department prepares its own calendar of events adding dates for Departmental events

Heads of the Departments conduct meetings with their colleagues to discuss the time table and topics are allotted before the term ends so that teachers have adequate time to plan their teaching and prepare material to be given to the students. The lesson plans & practical manuals are prepared by the teachers to facilitate the learning process and this enables them to devote more time for acquiring skills. The syllabus is unitized and the curriculum is distributed vis. a vis. number of lectures/class teaching hours. Teachers meticulously plan their lecture schedule and often engage extra lectures for problem solving and discussion on difficult topics.

Internals are conducted, evaluated and also the display of marks and attendance is done as per the calendar of events; the seminars dates on which students has to give the presentations will be displayed on the notice board. Class seminars will be conducted in their respective classes on the day given by the respective subject faculties.

From the past two years the Co-Curricular activities of the various Committee/Clubs/Cells of the College are also included in the calendar of events and the conduction of the same is adhered to the dates mentioned

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 on website and communicated to teachers and students

Response:

Program outcomes, program specific outcomes and course outcomes for all programs offered by the institution are stated and are displayed on website and also communicated to teachers and students

Following are the link of the Program Outcomes, Program Specific Outcomes and Course Outcomes on website:

Department of ME: http://www.rrit.ac.in/mech.php

Department of Civil: http://www.rrit.ac.in/civil.php

Department of ISE: http://www.rrit.ac.in/ise.php

Department of CSE: http://www.rrit.ac.in/cse.php

Department of EEE: http://www.rrit.ac.in/eee.php

Department of ECE: http://www.rrit.ac.in/ece.php

File Description	Document
Any additional information	[View Document](#)

2.6.2 Attainment of program outcomes, program specific outcomes and course outcomes are evaluated by the institution

Response:

Listing of the course outcomes of the courses in programme curriculum is already prescribed the University from the academic year 2016-17.

The institute is moving from traditional education to outcome based education, in its teaching learning and evaluation process from past 3 semesters. By this process, few students are very happy with the new teaching learning and evaluation process. Finally attained the course outcomes to program outcomes and improved the performance of student based on the identification of weak and bright students.

The departments have developed the program outcomes, program specific outcomes considering the Blooms taxonomy levels and the Graduate Attributes. Description of the same is communicated to the students by hoisting the same on the website of the institution.

This method is evaluating the attainment of CO by using student's internal assessment marks. Assessment-CO matrix is produced for each individual course based on the above assessment method. The weightage in the matrix shows the amount, in term of percentage.

The result of CO attainment will also be used to evaluate the attainment of Programme Outcomes (PO). The outcome of analysis will be used to improve the teaching and learning experience in the particular course. These COs are produced based on the requirement of the programme outcomes (PO). Each CO will be mapped to PO (CO-PO) matrix. The PO will be then mapped to PEO. (i.e. relationship between CO, PO and PEO). Assessment ways ought to be designed in such a way to attain the PO's. The Teaching-Learning is vital to make sure the student acquires the talent needed. Assessment is additionally vital to assess whether or not the scholar or learner has earned what's expected out of them. of these are going to be accustomed continuous quality improvement.

2.6.3 Average pass percentage of Students

Response: 86.87

2.6.3.1 Total number of final year students who passed the examination conducted by Institution.

Response: 225

2.6.3.2 Total number of final year students who appeared for the examination conducted by the institution

Response: 259

File Description	Document
Institutional data in prescribed format	

2.7 Student Satisfaction Survey

2.7.1 Online student satisfaction survey regarding teaching learning process

Response: 3.15

File Description	Document
Database of all currently enrolled students	

Criterion 3 - Research, Innovations and Extension

3.1 Resource Mobilization for Research

3.1.1 Grants for research projects sponsored by government/non government sources such as industry ,corporate houses, international bodies, endowment, chairs in the institution during the last five years (INR in Lakhs)

Response: 0

3.1.1.1 Total Grants for research projects sponsored by the government/non-government sources such as industry, corporate houses, international bodies, endowments, Chairs in the institution year-wise during the last five years(INR in Lakhs)

2016-17	2015-16	2014-15	2013-14	2012-13
0	0	0	0	0

File Description	Document
List of project and grant details	[View Document](#)

3.1.2 Percentage of teachers recognised as research guides at present

Response: 0

3.1.2.1 Number of teachers recognised as research guides

File Description	Document
Institutional data in prescribed format	[View Document](#)
Any additional information	[View Document](#)

3.1.3 Number of research projects per teacher funded, by government and non-government agencies, during the last five year

Response: 0.06

3.1.3.1 Number of research projects funded by government and non-government agencies during the last five years

Response: 6

File Description	Document
List of research projects and funding details	[View Document](#)

3.2 Innovation Ecosystem

3.2.1 Institution has created an ecosystem for innovations including incubation centre and other initiatives for creation and transfer of knowledge

Response:

At the institution, innovation is regularly focused by the people. we have a tendency to usually identify innovators (teachers and school members) and nurture their ability to come up with inventive solutions to new issues.

Get the right people involved. The innovation network includes the upper-level management that can fund projects, faculty who have had success with past innovations. The industry and technical experts are invited to the campus to reinforce the students towards innovation .

Cultivate the network. This extended group should have opportunities to mix together in productive ways. Hold regular events, and expert talks where innovators from across an organization will get along and share their expertise. Students and Faculty meet frequently with a variety of groups within a institute to work on innovative projects to help connect together with groups that are undergoing similar problems. The institute is involved in the industrial visits and to cultivate networks with the industries. Every year there is a project exhibition programme organized for the students. The best project is selected and students are awarded.

Educate others. The institute has a innovative club in place. In order for best innovation practices to diffuse through an organization, it is necessary to develop those ideas before projects begin. Each department guides the students how to develop good ideas and how to transform good ideas into actionable plans to bring those ideas to market.

Entrepreneurship Development Cell: Entrepreneurship Development cell is in place and it conducts the entrepreneurship awareness camps for the students on various topics on innovations and innovative business ideas.

R&D Committee: Research & development committee is assigned the task of identifying eminent researchers and industry experts to visit various departments every semester and deliver a expert talk on research, innovation and opportunities.

IPR Cell: recently a IPR cell is established in the college to organize and to conduct various awareness programmes on Intellectual property at first stage and on the next level apply for the Patents and IPRs.

Innovation awards: The Institute has a culture of awarding the faculty and the students on the base of innovations. Faculty is awarded as best innovative teacher and the students are awarded for their best project during the MERAKI – Annual Project Exhibition every year.

3.2.2 Number of workshops/seminars conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices during the last five years

Response: 22

3.2.2.1 Total number of workshops/seminars conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices year-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
19	0	1	2	0

File Description	Document
List of workshops/seminars during the last 5 years	[View Document](#)

3.3 Research Publications and Awards

3.3.1 The institution has a stated Code of Ethics to check malpractices and plagiarism in Research

Response: Yes

File Description	Document
Institutional data in prescribed format	[View Document](#)

3.3.2 The institution provides incentives to teachers who receive state, national and international recognition/awards

Response: No

File Description	Document
List of Awardees and Award details	[View Document](#)

3.3.3 Number of Ph.D.s awarded per teacher during the last five years

Response: 0.04

3.3.3.1 How many Ph.Ds awarded within last five years

Response: 2

File Description	Document
List of PhD scholars and their details like name of the guide , title of thesis, year of award etc	[View Document](#)

3.3.4 Number of research papers per teacher in the Journals notified on UGC website during the last

five years

Response: 1.44

3.3.4.1 Number of research papers in the Journals notified on UGC website during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
61	27	22	15	10

File Description	Document
List of research papers by title, author, department, name and year of publication	[View Document](#)

3.3.5 Number of books and chapters in edited volumes/books published and papers in national/international conference proceedings per teacher during the last five years

Response: 0.23

3.3.5.1 Total number of books and chapters in edited volumes / books published, and papers in national/international conference-proceedings year-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
10	1	4	1	6

File Description	Document
List books and chapters in edited volumes / books published	[View Document](#)

3.4 Extension Activities

3.4.1 Extension activities in the neighbourhood community in terms of impact and sensitising students to social issues and holistic development during the last five years

Response:

Institution has various initiatives for extension activities. The groups consisting of students and faculty members and are instructed to initiate and execute institution community network and engage in service orientation programs.

Extension activities conducted by the institute always inculcate academic learning experience, values and

skills. The college is an equal opportunity institution established to provide knowledge and quality education to all wings of the society. Its objective is to maintain modern outlook with contemporary developments without compromising moral and ethical values. To inculcate skills and knowledge with quality based education to the students by inculcating moral values, scientific tempo and employability with resource of state of the art technologies. Its objective is to pursue excellence towards creating manpower with high degree of professional, intellectual and cultural aptitude to meet the national and global challenges.

The Institution promotes practical experience for students to move social responsibility from theoretical foundation to practical applications. The Institution aims at development of students and transforming them into responsible citizens with moral values.

NSS Unit: College has initiated NSS activities and has communicated with VTU for establishing NSS unit and for funding support. The extension activities organized by the Institute will imbibe the social responsibilities of a graduate, which will reflect their commitment to societal needs.

Students' Projects: Project works executed by students such as (1) Flex Operated Wheel Chair (2) Design and Fabrication of Plastic Recycling Machine (3) Development of Universal Tubular Mirco Algae Photo Bioreactor to meet high yield . Such other projects have been recognized to provide immediate social impact.

RED Cross: The institute is a member of Red Cross Society. The blood donations camps are conducted every year.

Other Activities: The Institute organizes regular social service and organizes several social service and community development programs which provide social responsibility in the minds of students

Few other initiatives are:

- Cyber Crime Awareness program
- Awareness Programme on Voters Day
- Awareness programme on Water Day
- Awareness programme on Anti -Corruption
- Tree Plantation camp
- Go-Green Campaign
- Sadbhavana Diwas
- Seminar on Drug Awareness Program
- Seminar on Women Empowerment in Rural areas
- Seminar on Cyber Awareness
- Seminar on Accident Awareness Program
- Seminar on Save Electricity and Save Water Campaign
- Save Girl Child
- Follow Traffic Rules
- Rally on save electricity and water
- Women empowerment seminar
- Digital India
- Poster Presentation on Pollution, E-Waste, Nonconventional Energy Source
- Fuel Conservation

- My Earth, My Duty
- Traffic Awareness camp
- Reduce-Reuse- Recycle Awareness camp
- Save Girl Child Awareness camp
- Save Water, Save Life Awareness camp

3.4.2 Number of awards and recognition received for extension activities from Government /recognised bodies during the last five years

Response: 6

3.4.2.1 Total number of awards and recognition received for extension activities from Government /recognised bodies year-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
2	2	1	1	0

File Description	Document
Number of awards for extension activities in last 5 years	View Document

3.4.3 Number of extension and outreach Programs conducted in collaboration with Industry, Community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., during the last five years

Response: 41

3.4.3.1 Number of extension and outreach Programs conducted in collaboration with Industry, Community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., year-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
14	9	7	6	5

File Description	Document
Number of extension and outreach programs conducted with industry,community etc for the last five years	View Document

3.4.4 Average percentage of students participating in extension activities with Government Organisations, Non-Government Organisations and programs such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the last five years

Response: 68.01

3.4.4.1 Total number of students participating in extension activities with Government Organisations, Non-Government Organisations and programs such as Swachh Bharat, Aids Awareness, Gender Issue, etc. year-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
240	202	200	250	251

File Description	Document
Average percentage of students participating in extension activities with Govt. or NGO etc.	[View Document](#)

3.5 Collaboration

3.5.1 Number of linkages for faculty exchange, student exchange, internship, field trip, on-the-job training, research, etc during the last five years

Response: 49

3.5.1.1 Number of linkages for faculty exchange, student exchange, internship, field trip, on-the-job training, research, etc year-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
20	15	6	3	5

File Description	Document
Number of Collaborative activities for research, faculty etc.	[View Document](#)

3.5.2 Number of functional MoUs with institutions of National/ International importance, Other Institutions, Industries, Corporate houses etc., during the last five years (only functional MoUs with ongoing activities to be considered)

Response: 9

3.5.2.1 Number of functional MoUs with institutions of national, international importance, other universities, industries, corporate houses etc. year-wise during the last five years (only functional MoUs with ongoing activities to be considered)

2016-17	2015-16	2014-15	2013-14	2012-13
4	3	2	0	0

File Description	Document
Details of functional MoUs with institutions of national, international importance,other universities etc. during the last five years	<u>View Document</u>

Criterion 4 - Infrastructure and Learning Resources

4.1 Physical Facilities

4.1.1 The institution has adequate facilities for teaching- learning. viz., classrooms, laboratories, computing equipment, etc.

Response:

RRIT's state-of-the-art infrastructure augments learning and promotes a good teaching-learning environment

Details of class rooms, tutorial rooms, seminar halls and laboratories

Type	Details
Class Room	34
Laboratories	35
Tutorial Room	7
Library & Reading Room	1
Digital Library	1
Language Lab	1
Training and Placement Office	1
Seminar Halls	2
Cafeteria	1
First Aid Room	1
Stationery and Reprography store	1

Classrooms: The institution has sufficient number of well-furnished, well ventilated, spacious classrooms for conducting theory classes.

Laboratories: All laboratories are well equipped, and well maintained not only for carrying out curriculum oriented lab practical 's but also to carry out research activities. All laboratories are established as per norms of Apex body.

Library and Digital Library: The college library provides lot of reference and text books, journals and eBooks,through which the students can gain knowledge and helps them in their Curriculum. The College has Digital Library with 14 Multimedia Systems which help the students to access online resources.

Technology enabled learning rooms:

Each department in the college is provided with one E-class room equipped with LCD projector, audio system and internet.

Seminar Halls: College has two seminar halls with seating capacity of 75 and 150 respectively to conduct

conferences, workshops and symposia for students and faculty of the departments etc. and with LCD projector, high configuration systems and public addressing system with internet connectivity.

Tutorial classrooms: Each department has tutorial classrooms to conduct tutorial classes to address the personal level doubts and queries of the students. Tutorial class is equipped with glass board, wooden benches, fans, windows for air circulation and ventilation and tube lights for proper lighting.

Rest Rooms: Separate rest rooms are available for staff and students. Cleanliness and proper hygiene is maintained in these rest rooms.

Specialized facilities and equipment for teaching, learning and research:

1. The college has exclusive language lab attached with audio, video facility.
2. For self-learning, large numbers of reference books for all the subjects are available in the central library in addition to the prescribed text books.
3. Common Room for Boys and Girls separately is available in the campus.
4. Every department has computer laboratories which are utilized for on-line examinations, aptitude tests, project development and competitions by students of all departments.

Centralised Facilities: The students and faculty member can utilise the Central facilities like Playground, Auditorium with seating capacity of more than 850 seats, Amphi theatre with seating capacity of 300 seats etc for conducting various kind of activities.

Departmental facilities: All departments are well equipped with infrastructure such as a computer system, internet connection and phone facility. All the Departments have sufficient number of notice boards.

Students and faculty members participate in various activities such as blood donation camp, awareness programmes, NSS initiatives etc. During orientation session information about these activities is shared and appeal is made to the students to participate in such activities.

4.1.2 The institution has adequate facilities for sports, games (indoor, outdoor),gymnasium, yoga centre etc., and cultural activities

Response:

yoga centre etc.,) and cultural activities

Cultural facilities: Kalatarranga is the Cultural Fest is organized every year from past few years and students are encouraged to participate in Essay writing, Creative writing, Mehendi, Cartooning, pencil sketching, face painting, spot painting, computer games, photography, pick and speak, quiz, vegetable carving, fireless cooking, Anthakshari, dumb charades, Rangoli, treasure hunt, collage, singing, dancing. Annual Day Finalist Event Show, Stage events etc.

The Heritage Club of the college organised a cultural fest exhibiting the various cultures of the Country.

The institute has an Auditorium of 850 seating capacity with well furnished and hi-tech technological facilities. And also an Amphi theatre of 300 seating capacity with area of 1000sq meter

College has many cultural clubs such as Photography Club, Heritage club. Students organize various activities under these clubs.

Sports facilities:

The Institute has a ground of around 8092 Sq mtrs for the outdoor sports like cricket, through ball, volley ball, foot ball, basket ball, etc.

The Institute also has all the various indoor sports equipments like For conducting indoor sports like Carrom, Chess etc.

4.1.3 Percentage of classrooms and seminar halls with ICT - enabled facilities such as smart class, LMS, etc

Response: 89.19

4.1.3.1 Number of classrooms and seminar halls with ICT facilities

Response: 33

File Description	Document
Number of classrooms and seminar halls with ICT enabled facilities	[View Document](#)

4.1.4 Average percentage of budget allocation, excluding salary for infrastructure augmentation during the last five years.

Response: 97.54

4.1.4.1 Budget allocation for infrastructure augmentation, excluding salary year-wise during the last five years (INR in Lakhs)

2016-17	2015-16	2014-15	2013-14	2012-13
369.6	385.4	645.15	493.35	334.35

File Description	Document
Details of budget allocation, excluding salary during the last five years	**View Document**

4.2 Library as a Learning Resource

4.2.1 Library is automated using Integrated Library Management System (ILMS)

Response:

RRIT library was established in 2008. Apart from the main College library, every department has its own departmental library. The primary mission of the library is to support the educational and teaching programs of the college by providing physical and intellectual access to information.

The collection comprises of 20100 volumes of Books with 2485 Titles and 7 National printed Magazines. The Library subscribes to about 17600 full text E-journals from **ASCE, IEEE , Springer Link, Taylor & Francis, Elsevier Science Direct, Knimbus,Proquest (Engg & Mgt.) & DELNET**.The E-Books Subscription package includes around 1035 from Taylor & Francis-CRC Netbase,Knimbus, delnet &McGrawhill Education. In addition, there are 47 Bound volumes of journals, 272 Project Reports,1079 CD's /DVD's & 100 IS Standards. All the operations of the Library are automated using IIMS (Release 2.3) software.

As per the fourth Law of Library Science, "Save the time of Reader", the RRIT Library has been two floor with carpet area of 540 Sqm having state of art infrastructure facilities. The seating capacity of main library is 180. Library is an extremely important primary support service provided by RRIT. The library and the associated facilities & services are indispensable in support of Learning, Teaching and Research. This basic necessity has been recognized and the methodology of developing and using the library and library-associated services is established in this Library. The main services are **open access to resources , lending of books, reference/referral service, web OPAC, SC/ST book bank scheme, RRIT book bank scheme, reprographic facility, user orientation programme, and inter library loan through institutional membership etc**. The Library is kept open from -9 am to 5 pm on all working days (Mon-Fri), The Library has set up a model Digital Library to browse the net and access e-resources. It is well facilitated with 14 computers connected to high bandwidth speed of 20Mbps internet. An "RRIT INSTITUTIONAL REPOSITORY" has been developed using D-Space Software to access faculty publications, previous year question papers, lecture notes, project abstracts etc.

Remote access to e-resources has been facilitated by library through the services of M/s. KNIMBUS. Institutional Membership **National Digital Library, British Council Library & Delnet.** Also, **NPTEL** (National Programme on Technology Enhanced Learning) facility is provided across the campus through the institute local network for unlimited access to **Video Lecture and Web courses** of eminent faculties from **IISc**and **IIT's** in Engineering and Science subjects. In addition to this students and faculty members can access its peer contents directly from NPTEL website.

Name of the ILMS software: Integrated Institution Management System.

Nature of automation: Initiated the Process.

4.2.2 Collection of rare books, manuscripts, special reports or any other knowledge resources for library enrichment

Response:

The RRIT Library was established in the year 2008, presently five rare books in various publications available in library which includes

1. Dr.B R Ambedkar Photobiography authored by Chinasamy.s from Sapna Book House in the year 2016 with one copy.
2. Deway Decimal Classification three volumes authored by Malvi Deway from forest press USA in the year 1979.
3. Machine Data Handbook, authored by Lingaiah .K publisher MC Graw hill in the year 2011 with 50copies.
4. Mechanical Metallurgy authored by Dieter George published MC Graw hill in the year 1988 with five copies.
5. Environmental Engineering authored by Peavy Howard published MC Graw Hill in the year 1985 with four copies.
6. Remote sensing Geology authored by Ravi Gupta published Springer in the year 2008 with three copies.

The primary function of a special collections division is to foster research by providing researchers access to items while ensuring their longevity. Many staff members involved with special collections has either advanced degrees or specialized training related to the collections for which they are responsible.

We have final year project reports for 2012 onwards 234 reports of in various branch wise. The library subscribes five general competitive examination magazines and seven leading newspapers. Items in a special collection are usually stored in closed stacks (not directly accessible to library patrons) which contain non circulating items, meaning that items cannot be loaned or otherwise removed from the premises. Access to materials is usually under supervision. Depending on the policies of an institution holding special collections, researchers may be asked to present identification cards, letters of reference, or other credentials to gain access.

Materials housed in special collections can be in any format (including rare books, manuscripts, photographs, archives, ephemera, and digital records),and are generally characterized by their art factual or monetary value, physical format, uniqueness or rarity, and/or an institutional commitment to long-term preservation and access. Most special collections are stored in areas in which the temperature, humidity, illumination, and other environmental conditions are carefully monitored to ensure the integrity of materials, and adequate security is provided to protect the materials from unauthorized access, theft, and vandalism. Offsite storage facilities have become increasingly popular

among institutions holding special collections. Most libraries consider it their mandate to maintain acquisition of new collections, although the limitations of their physical plants may not be able to handle all that is acquired. Storing materials offsite allows flexibility in how libraries design and apportion their space and provides security for materials.

4.2.3 Does the institution have the following:

1. e-journals
2. e-ShodhSindhu
3. Shodhganga Membership
4. e-books
5. Databases

A. Any 4 of the above

B. Any 3 of the above

C. Any 2 of the above

D. Any 1 of the above

Response: B. Any 3 of the above

File Description	Document
Details of subscriptions like e-journals,e-ShodhSindhu,Shodhganga Membership etc.	[View Document](#)

4.2.4 Average annual expenditure for purchase of books and journals during the last five years (INR in Lakhs)

Response: 7.67

4.2.4.1 Annual expenditure for purchase of books and journals year-wise during the last five years (INR in Lakhs)

2016-17	2015-16	2014-15	2013-14	2012-13
13.38	1.18	5.92	12.46	5.41

File Description	Document
Details of annual expenditure for purchase of books and journals during the last five years	[View Document](#)

4.2.5 Availability of remote access to e-resources of the library

Response: Yes

File Description	Document
Details of remote access to e-resources of the library	[View Document](#)

4.2.6 Percentage per day usage of library by teachers and students

Response: 2.59

4.2.6.1 Average number of teachers and students using library per day over last one year

Response: 10

File Description	Document
Details of library usage by teachers and students	[View Document](#)
Any additional information	[View Document](#)

4.3 IT Infrastructure

4.3.1 Institution frequently updates its IT facilities including Wi-Fi

Response:

- ○ **Total number of computers in the Institution with configuration:**

- Total number of Systems present is 500 Systems, that is:
- Number of Systems provided for students which are for Labs, and Digital Library is 462 Computer Systems.
    - ○ 55 : Intel i5 @ 3.2Ghz, 500 GB, 4GB
    - ○ 92 : Intel Celeron @ 2Ghz, 160 GB, 1GB
    - ○ 209 : Intel Core2Duo @ 3.2Ghz, 500GB, 4GB
    - ○ 106 : Intel Pentium Dual Core @ 3.2Ghz, 500GB, 4GB

- Number of Systems/Laptops provided for Faculties and Office Staffs is 38 Computer Systems.

- 27 : Intel i5 @ 3.2 GHz, 300 GB, 4 GB.
- 10 : Intel Core2Duo @ 3.2 GHz, 160 GB, 4 GB.
- 1 : Intel Xeon @ 2.8 GHz, 8 GB.

- **Internet Facility:**

- Dedicated 50 Mbps (1:1) Leased Line.
- Provided Internet to all Department and Digital Library for students and staffs.
- Optical Fibre based LAN Network.

- **Firewall:**

- An Effective Source Break Unified Threat Management (UTM).
- Best configured firewall with CLAM Antivirus for better Security in the network.

- **Wi-Fi Facilities:**

- Provided to each Department.
- Provided to students and Hostels.

- **Computer – Student Ratio:**

- Under Graduate (UG)   - 1:6
- Post Graduate (PG)   - 1:4

- **Multimedia Projectors:**

- Adequate Multimedia Projectors are available for all Departments for Multipurpose.
- Seminar Hall and Labs of the Institution are mounted with separate Projectors.

- **Service Management:**

- The Service Management & delivery is carried out by the Service Providers in coordination with the System & Network Administrator.
- All the computer systems, Wi-Fi Access points are monitored regularly by the System Administrator.

- **Information Security:**

- Only the System & Network Administrator and the Head of the Institution have the rights and access to modification and configuration of the network infrastructure.

- **Network Security:**

- Using UTM Firewall network has been setup with the following features:
  - Restricted access to certain applications, Servers based on their roles.
  - End point security for prevention against virus, worms, malware and other attacks.
  - Gateway firewall for the Internet security compromising of content filtering of websites.
  - Intrusion and Prevention System, Bandwidth management, Wireless security for Roles defined.

- **Website Management:**

- The website of the Institution has been hosted in the Server managed by an External Agency., it is Update as and when required.

- **IT Upgradation:**

- Continuous Upgradation of technology and the Infrastructure is planned and Implemented.
- Planning and Implementation is governed by the Head of the Institution and System and Network Administrator.
- Licensed softwareand open source tools are available as per requirement.

4.3.2 Student - Computer ratio

Response: 2.6

File Description	Document
Student - Computer ratio	[View Document](#)

4.3.3 Available bandwidth of internet connection in the Institution (Lease line)
>=50 MBPS

35-50 MBPS

20-35 MBPS

5-20 MBPS

Response: >=50 MBPS

File Description	Document
Details of available bandwidth of internet connection in the Institution	View Document

4.3.4 Facilities for e-content development such as Media Centre, Recording facility, Lecture Capturing System (LCS)

Response: No

File Description	Document
Facilities for e-content development such as Media Centre, Recording facility,LCS	View Document

4.4 Maintenance of Campus Infrastructure

4.4.1 Average Expenditure incurred on maintenance of physical facilities and academic support facilities excluding salary component, as a percentage during the last five years

Response: 100

4.4.1.1 Expenditure incurred on maintenance of physical facilities and academic support facilities excluding salary component year-wise during the last five years (INR in Lakhs)

2016-17	2015-16	2014-15	2013-14	2012-13
379.53	396.34	654.56	497.93	350.41

File Description	Document
Details about assigned budget and expenditure on physical facilities and academic facilities	View Document

4.4.2 There are established systems and procedures for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc.

Response:

- Civil Works
- Electrical lines and Equipment
- Transport
- House-Keeping
- Security
- Lab Equipment
- Gardening

All the above work is taken care by Assign in charges Like Estate Supervisor, Maintenance In charge, Housekeeping In charge

- **Maintenance Procedure**
  - All the Building are Inspected Annually, and necessary actions or repairs are carried out as per annual Maintenance Budget.
  - Interiors and Exteriors of the Building are painted once in 3 Years with Quality paints all the wall and roof cracks are identified and are sealed completely.
  - Road will be tarred once in 5 years.
  - Greenery, Lawns, Trees are watered, trimmed and maintained by the Gardening department consisting of a supervisor, gardener and a helper. The Manure for the gardening is prepared organically at the college campus.
  - Annual Maintenance is made use of whenever it is necessary.
  - All the works that need to be attended are written in the complaint Register for further actions.
  - Pending or unattended work will reach the administrative office for necessary actions ad follow ups.
- **Laboratory and Equipment facility:**
  - Laboratory in-charge, laboratory assistant and laboratory attendant look after cleanliness and maintenance of laboratories.
  - All laboratories of every department have maintenance register.
  - Every year budget for new dead stock equipment's, consumables and maintenance is proposed to management through HOD and Principal.
  - Lab equipment's are being maintained with proper maintenanceschedules, Breakdown, Routine and planned maintenance.
- **Computing facility:**

- It is maintained by System Administrator.
- Inspection and servicing activities are being carried out once in semester.
- Licensed soft ware's and open source tools are procured as per requirement Every year.

○ **Library**

- Central Library- is Monitored by the Library Committee consisting of Head of the Department, Nominated faculty from all the Departments and Chief Librarian.

○ **Class Rooms**

- Well-furnished class rooms are cleaned every day by peons & Housekeeping staff.

○ **Electricity**
  ○ The voltage stabilizers and transformers are installed to control voltage fluctuations.
  ○ Generator power back up: Two generator with capacity 64 KVA and under yearly AMC with Professional Diesel.
  ○ No of UPS Systems: 10
  ○ Total Capacity of back up: 120 KVA
  ○ The Maintenance In charge and Electrician will take of any complaints receive.

○ **Security**

- A Team of 1 Supervisor, 4 Security watchmen look after the security of the entire campus. The team works 24x7.

○ **Drinking Water:**

- Purified drinking water is supplied to all academic blocks, Hostel & canteen and is under yearly AMC with Spectra Sales.
- Total 4 Number of water purifiers are there in campus apart from Hostel.
- 24 hours water supply in hostel

Criterion 5 - Student Support and Progression

5.1 Student Support

5.1.1 Average percentage of students benefited by scholarships and freeships provided by the Government during the last five years

Response: 4.85

5.1.1.1 Number of students benefited by scholarships and freeships provided by the Government year-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
15	16	20	16	15

File Description	Document
Average percentage of students benefited by scholarships and freeships provided by the Government during the last five years	[View Document](#)

5.1.2 Average percentage of students benefited by scholarships, freeships, etc. provided by the institution besides government schemes during the last five years

Response: 1.94

5.1.2.1 Total number of students benefited by scholarships, freeships, etc provided by the institution besides government schemes year-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
33	34	27	17	7

File Description	Document
Number of students benefited by scholarships and freeships besides government schemes in last 5 years	[View Document](#)

5.1.3 Number of capability enhancement and development schemes –

1. **For competitive examinations**
2. **Career counselling**

3. **Soft skill development**
4. **Remedial coaching**
5. **Language lab**
6. **Bridge courses**
7. **Yoga and meditation**
8. **Personal Counselling**

A. 7 or more of the above

B. Any 6 of the above

C. Any 5 of the above

D. Any 4 of the above

Response: E. 3 or less of the above

File Description	Document
Details of capability enhancement and development schemes	[View Document](#)

5.1.4 Average percentage of student benefited by guidance for competitive examinations and career counselling offered by the institution during the last five years

Response: 30.17

5.1.4.1 Number of students benefited by guidance for competitive examinations and career counselling offered by the institution year-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
96	103	79	88	146

File Description	Document
Number of students benefited by guidance for competitive examinations and career counselling during the last five years	[View Document](#)

5.1.5 Average percentage of students benefited by Vocational Education and Training (VET) during the last five years

Response: 43.02

5.1.5.1 Number of students attending VET year-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
160	156	141	161	104

File Description	Document
Details of the students benifitted by VET	[View Document]

5.1.6 The institution has a transparent mechanism for timely redressal of student grievances including sexual harassment and ragging cases

Response: Yes

File Description	Document
Minutes of the meetings of student redressal committee, prevention of sexual harassment committee and Anti Ragging committee	[View Document]
Details of student grievances including sexual harassment and ragging cases	[View Document]

5.2 Student Progression

5.2.1 Average percentage of placement of outgoing students during the last five years

Response: 22.14

5.2.1.1 Number of outgoing students placed year-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
90	58	79	43	8

File Description	Document
Details of student placement during the last five years	[View Document]

5.2.2 Percentage of student progression to higher education (previous graduating batch)

Response: 8.17

5.2.2.1 Number of outgoing students progressing to higher education	
Response: 21	
File Description	**Document**
Details of student progression to higher education	

5.2.3 Average percentage of students qualifying in State/ National/ International level examinations during the last five years (eg: NET/ SLET/ GATE/ GMAT/ CAT/ GRE/ TOEFL/ Civil Services/State government examinations)

Response: 20

5.2.3.1 Number of students qualifying in state/ national/ international level examinations (eg: NET/ SLET/ GATE/ GMAT/ CAT/ GRE/ TOEFL/ Civil services/ State government examinations) year-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
17	0	0	0	0

5.2.3.2 Number of students who have appeared for the exams year-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
17	0	0	0	0

File Description	**Document**
Number of students qualifying in state/ national/ international level examinations during the last five years	

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) during the last five years.

Response: 0

5.3.1.1 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-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
0	0	0	0	0

File Description	Document
Number of awards/medals for outstanding performance in sports/cultural activities at national/international level during the last five years	[View Document](#)

5.3.2 Presence of an active Student Council & representation of students on academic & administrative bodies/committees of the institution

Response:

RRIT has a student Grievance and Redressal Cell to handle the grievances.

- This cell is meant for maintaining the records of grievances, actions taken thereon and settlement of grievances.
- It is composed of the Principal, functional head of the cell and few faculty members.
- A suggestion box is maintained by the college where students have to drop their grievance/complaints & suggstions, if any.
- The box is opened regularly and checked. Any grievance found in it is scrutinized and necessary actions are always taken by the Cell.

The students representatives are present at The RRIT has student representation at all levels of the formal committee structure to give the fullest opportunity for students to raise matters of proper concern to them at a level that is appropriate. Student views are sought on all aspects of the student experience and student feedback is welcomed, considered and used to shape future development.

The Institute has more than 30 Committees/ Clubs for the holistic development of the students. Many such clubs organize the competitions, seminars, guest talks, other events for the students. Such events are run by the students for the students. Hence such programmes inculcate the leadership and management qualities.

Following are the list of few committees in which student representatives are there:

1.Internal Quality Assurance Cell

2. Alumni association
3. Project exhibition committee
4. Heritage club
5. Green club
6. Creative club
7. Cricket club
8. Photography club
9. Vediography club
10. Energy club
11. Red cross
12. ED Cell
13. Drug abuse committee
14. EDU-sat committee
15. Sports committee
16. Cultural/college day committee
17. Placement committee
18. Department associations
19. Innovation club
20. Yoga club

5.3.3 Average number of sports and cultural activities/ competitions organised at the institution level per year

Response: 23.2

5.3.3.1 Number of sports and cultural activities / competitions organised at the institution level year-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
26	27	25	19	19

File Description	Document
Number of sports and cultural activities / competitions organised per year	[View Document](#)

5.4 Alumni Engagement

5.4.1 The Alumni Association/Chapters (registered and functional) contributes significantly to the development of the institution through financial and non financial means during the last five years

Response:

To promote the connection with the Alumni of RRIT the **"R R Institute of Technology Alumni Association"**formed in the year 2016 constituting of all pass-out students.The alumni association is engaged in organizing alumni meet from time to time and planned to extend the activity for the institutional, academic development. The Principal of RRIT will be the Rector of RRITA and shall be the Chief Mentor.

Vision : To Connect and support RRITians

Mission: The mission of RRIT Alumni Association is to assist and advance the alumni in the pursuit of excellence, continue the friendships formed in the college, build strong and mutually "beneficial ties between the college and its diverse alumni, promote goodwill in the community and create a dynamic alumni program that will stimulate interest, build loyalty, increase involvement and generate"

Objectives are:

1. Strengthening the ties between former students of RRIT and the College
2. Stimulating the interest and activity of the alumni of RRIT
3. Preserving and furthering the mission of RRIT
4. Participating in further development of RRIT

Contributions of Alumni:

- Institute conducts alumni meet every year.
- Institute invites alumni to give the guest lecturers & interact with students to enhance the knowledge & skills of the students
- Graduates, who have passed out of the institution and are placed in companies, guide and help their immediate juniors to undergo the recruitment process with confidence.
- Campus recruitment by the Alumni into their organizations is arranged.
- Internship opportunities through Alumni.
- Alumni is a part of social extension activities at the institute.
- Donate books to department library
- Act as ambassadors of the college, resulting in increase in the admission.
- Alumni are also involved in guiding certain final year projects.

○ RRITAA has constituted various committees like

1. Special Events Committee: Responsible for planning alumni events for Homecoming and other such events.
2. Awards Committee: Determining recipients of awards, awarding alumna and alumnus every year.
3. Alumni Fund committee: It shall provide leadership and assistance to the college advancement office in raising funds from alumni in support of the college's annual fund.
4. Student Life Committee: It develops programs and projects which will help students to better understand the importance of alumni in the life of college.
5. Alumni-Admissions Committee: It will help in the recruitment of students for the college, working in cooperation with the Admissions Office.
6. The alumni has contributed a total of Rs. 4,45,000/- as the alumni contribution.

5.4.2 Alumni contribution during the last five years(INR in Lakhs)
? 5 Lakhs

4 Lakhs - 5 Lakhs

3 Lakhs - 4 Lakhs

1 Lakh - 3 Lakhs

Response: 4 Lakhs - 5 Lakhs

File Description	Document
Alumni association audited statements	[View Document](#)

5.4.3 Number of Alumni Association / Chapters meetings held during the last five years

Response: 0

5.4.3.1 Number of Alumni Association /Chapters meetings held year-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
0	0	0	0	0

File Description	Document
Number of Alumni Association / Chapters meetings conducted during the last five years.	View Document

Criterion 6 - Governance, Leadership and Management

6.1 Institutional Vision and Leadership

6.1.1 The governance of the institution is reflective of an effective leadership in tune with the vision and mission of the institution

Response:

The Vision Mission of the college is formulated based on the vision mission of the PKM Educational Trust. In tune to the Vision and Mission of the college, each Departments', their Associations and the various Committees of the colleges have developed the Vision and Mission which is reflective of incorporating the essence of leading towards achieving the College Vision Mission.

The Governance and Leadership at college is exhibited in terms of ensuring the organizational management, development and implementations of continuous improvements systems, reinforcing the quality and culture of excellence. The leadership is also involved in communicating and reviewing the policies/actions plan from time to time through meetings with various stakeholders periodically.

The College Governing Body, which also consists the faculty members, takes important decisions related to the holistic development of the College. The Principal, representative of the Governing Council leads the team of Heads of the Department to incorporate these decisions. The Heads implement the same at the departmental levels and faculty members disseminate the same at the departmental overall development.

The Management and the Principal interacts on regular basis with stakeholders during the academic meeting, parents teachers meeting and Alumni Association meetings, regularly with the students in the various events .

The IQAC of the Institution is headed and guided by the Principal, deliberates on all the important initiatives required for implementation of quality enhancing strategies.

Academic leadership is provided to the faculty by the top management. Top management involves itself in the decision-making process to achieve the vision, mission, goals, and objective of the institution. Performance of faculty is reviewed periodically and faculty with potential are upgraded to higher posts and responsibilities in consent with management. The advanced use of ICT tools and techniques are encouraged. For that, ICT facilities and infrastructure has been improved and upgraded**.**

Governance and Leadership of the institution not only encourages students to achieve academic excellence but also facilitates their overall development. Value addition programs such as 'employability enhancement program', third party evaluation by 'aspiring minds', quantitative aptitude training are offered to the students at no cost. Sports and other extracurricular activities are supported by leadership. Leadership appreciates students' achievements through website, departmental newsletter, meetings, notice boards, awards which inspires students to achieve excellence.

6.1.2 The institution practices decentralization and participative management

Response:

The top management gives academic and administrative autonomy to Principal who gives freedom to the Head of the Departments. Further, Head of Departments in collaboration with faculties plan and execute academic plans in alignment with vision and mission of the institution.

Principal

Principal is the head of both the academic and administrative bodies including IQAC. He plans and coordinates all the academic and administrative activities. He closely interacts with the Heads of the various Departments and constantly monitors the teaching –learning processes, evaluation systems and students' performance improvement plans.

He also

- monitors progress of all the academic activities
- implements university guidelines in the institution
- takes care of the fulfilment of all the curricular requirements
- Advices the management on introduction of new courses, faculty recruitment, up gradation of existing infrastructure facilities etc.
- heads the Interview Committee for faculty recruitment as its Chairman
- arranges general counselling for the students every semester
- takes care of students, faculty and staff development and welfare, their career, higher studies etc.

Head of the Department:

- Designs the Vision, Mission, Programme Educational Objectives (PEOs), Programme Outcomes (POs) of the department in consultation with the staff.
- Is responsible for the overall functioning of the department and infrastructural development
- makes the subject allotment based on the specialization and experience of the faculty members.
- Supervises the conduct of internal assessment tests and students performance
- Periodically reviews all academic activities and sends a copy of the review to the Principal. Plans and monitors the conduct of all the co- curricular activities such as symposia / workshop / seminar,

value added courses

* interacts with industries and arranges for collaborative activities and coordinates with the Training and Placement Cell in arranging In-plant training, Guest Lectures, Industrial Visits and facilitates students' placement.

Faculty Members:

* Maintain a high sense of dedication towards duties and responsibilities.
* Discharge all the duties and responsibilities assigned by the principal, dean and head of the department from time to time.
* Adhere to the rules and regulations of the institution and maintain very high order of integrity and character.
* Handle the classes with thorough preparation and use the best teaching practices to make the classroom learning an interesting and informative experience for the students and also attend to lab classes.
* Supplement the syllabus with inputs on emerging trends.
* Counsel the students, identify their difficulties in learning and guide them to improve their performance.
* Guide students' co-curricular activities and encourage their participation in extracurricular activities.
* Actively associate with all departmental and institutional activities like arranging guest lectures, industrial visits, seminars, workshops and organizing other events.

At Student Level:

* Conduct of student centric college events like conferences, Tech. fests, culturals, sports etc.
* Involvement and coordination roles to students in all college activities, Club/Committee/Association activities
* Organization of community services through NSS,YRC, etc.
* Active participation in entrepreneurial ventures and placement initiatives

6.2 Strategy Development and Deployment

6.2.1 Perspective/Strategic plan and Deployment documents are available in the institution

Response:

The goals and objectives of the University are made known to various stake holders by a participatory

approach. Besides this, goals and objectives are also made known through institutional website, newsletters and through various activities cultural and sports activities, academic talks and discussion, media presentations etc. The Institution has adopted a strategic plan de?ning short term and long term goals. RRIT is committed to promote sustainable education in engineering and technology consistent with statutory and regulatory requirements of the nation. Continuous improvement in quality of engineering education providing equal opportunities and creation of infrastructure are the goals.

To educate the students to be excellent engineering professionals and leaders in their field who respect the uniqueness of their clients and demonstrate competence, leadership and expertise and have a profound moral/ethical respect for their clients, colleagues and general public without discrimination of race, religion, sex and ethnicity.

Vision

"To be a premier Institute with excellence in the field of Engineering and Management education at National level by 2020".

Mission

- To consistently strive for Academic Excellence
- To promote collaborative Research & Innovation
- To create holistic teaching learning environment that build ethically sound manpower who contribute to the stake holders operating at Global environment.

The Institute will develop and advance the talents of students to create applicable knowledge in engineering and technology, make them globally competent, through which the institute will be a premier institute by 2020.

Short Term Goals

- To improve the quality of campus life
- Meeting the requirements of affiliation and standards
- Identifying and meeting student learning expectations
- Strengthening Teaching Learning process
- Conducting International Conferences
- Introduction of performance Management
- Aligning Every Stake Holders to Vision and Mission
- Create conducive environment of continuous learning and research
- NBA and NAAC Accredited

Long Term Goals

- Setting up Centre of Excellence
- Incubation centre
- Permanent affiliation
- Autonomous UGC recognition for University

The Happiness Index of the final year students based on the exit feedback shows that the quality of campus life is satisfactory.

The Institution has applied for the NAAC accreditation process, the IIQA is accepted.

The application for the NBA accreditation is in process.

6.2.2 Organizational structure of the institution including governing body, administrative setup, and functions of various bodies, service rules, procedures, recruitment, promotional policies as well as grievance redressal mechanism

Response:

RRIT is managed and lead by all the decisions taken by the Governing Council, which is the statutory managing authority of the College. The Governing Council is formed as per the guidelines of regulatory authority-AICTE. The Chairman of the Governing Council or the representative of the Chairman has to approve the needs/requirements of the institute in case of any emergency.

The Principal is the Head of the Institution and takes care of all the academic and non academic requirements of the institution. The College has also constituted various statutory and non statutory Committees including Anti Ragging Cell, Internal Complaint Committee and Grievance Redressal Committee for effective and efficient functioning and enjoys autonomy in many of its activities. Recommendations of such Committees are approved and supported.

The Institute has a clear, structured plan for development of the Institution. Decisions regarding developmental needs are effectively met through democratic and decentralized mechanisms.

The Institute has a well planned Service Rules, consisting of recruitment, promotional and other various procedures which is approved by the Governing Council.

File Description	Document
Any additional information	[View Document](#)

6.2.3 Implementation of e-governance in areas of operation

   1. **Planning and Development**

2. Administration
3. Finance and Accounts
4. Student Admission and Support
5. Examination

A. All 5 of the above

B. Any 4 of the above

C. Any 3 of the above

D. Any 2 of the above

Response: B. Any 4 of the above

File Description	Document
Details of implementation of e-governance in areas of operation Planning and Development,Administration etc	View Document

6.2.4 Effectiveness of various bodies/cells/committees is evident through minutes of meetings and implementation of their resolutions

Response:

RRIT has 40 committees including the statutory committee like grievance mechanism cell, anti- ragging committee, Internal Complaint Committee etc.

The College Committees provide opportunity to the faculty members to improve their leadership skills.. The committees are formed at institutional level, departmental level and at student level. The faculty coordinators are given autonomy to work as coordinators, secretary or members of the organizing committees or various academic events organized by the college. Every committee has its vision and mission formulated and aligned to achieve the institutional Vision and Mission. The faculty is given freedom by top management to achieve desired level of knowledge and prepare students to become employable. Most of these committees also have the students as the members.

Every committee has its role is shaping and imparting various attributes to students.

The following are the committees of the college :

1. Academic Committee
2. Disciplinary Committee
3. Sports Committee
4. Cultural Committee
5. Placement Committee
6. Library Committee
7. College Day Committee
8. Anti-Ragging Committee
9. Students Welfare Committee
10. ISTE Committee
11. Magazine Committee
12. EDUSAT Programme Committee
13. Drug Abuse Committee
14. Alumni Association
15. Seminar Co-ordinator
16. Workshop Co-ordinator
17. Conference Committee
18. Promotion of Brand Image
19. Student Progress Communication Committee
20. Media Coordinator

1. NSS Coordinator
2. Research and Development Committee
3. NBA Committee
4. ISO Committee
5. Journal Committee
6. LIC/AICTE Coordinators
7. Heritage Club-
8. Green Club-
9. Creative Club-
10. Innovation Club-
11. Yoga Club-
12. Cricket Club-
13. Music Club-
14. Photography Club-
15. Videography Club-
16. Energy Club-
17. Red Cross
18. ED Cell
19. IPR Cell
20. Anti -Sexual Harassment Committee

File Description	Document
Any additional information	<u>View Document</u>

6.3 Faculty Empowerment Strategies

6.3.1 The institution has effective welfare measures for teaching and non-teaching staff

Response:

The institution has following welfare measures for the teaching, non-teaching Staff and the students:

Teaching	- Loan facilities - Flexi-timings provided for medical reasons - Post Maternity –flexi timing for women - Advance to meet emergency expenditure of the staff - On Duty leaves for faculty development activities - Membership fee for professional organizations - Canteen facilities - Banking facilities at institutions - Transport system - Wi-fi facilities - Canteen facilities - Transport system
Non teaching	- Loan facilities - Financial aid to educate the children of supportive staff - Festival advance - Admissions, scholarships and fee concessions for children of administrative and staff - Contributory Provident Fund for management faculty Contribution towards me insurance - Refreshments during working hours for administrative staff - Canteen facilities - Transport system

6.3.2 Average percentage of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies during the last five years

Response: 16.35

6.3.2.1 Number of teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies year-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
38	14	9	9	8

File Description	Document
Details of teachers provided with financial support to attend conferences,workshops etc. during the last five years	[View Document](#)

6.3.3 Average number of professional development /administrative training programs organized by the institution for teaching and non teaching staff during the last five years

Response: 1.2

6.3.3.1 Total number of professional development / administrative training programs organized by the Institution for teaching and non teaching staff year-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
6	0	0	0	0

File Description	Document
Details of professional development / administrative training programs organized by the Institution for teaching and non teaching staff	[View Document](#)

6.3.4 Average percentage of teachers attending professional development programs viz., Orientation Program, Refresher Course, Short Term Course, Faculty Development Program during the last five years

Response: 28.15

6.3.4.1 Total number of teachers attending professional development programs, viz., Orientation Program, Refresher Course, Short Term Course, Faculty Development Programs year-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
45	44	7	18	24

File Description	Document
Details of teachers attending professional development programs during the last five years	[View Document](#)

6.3.5 Institution has Performance Appraisal System for teaching and non-teaching staff

Response:

Performance Appraisal Policy:

The institution adopts a mechanism of self-appraisal of teachers and comprehensive evaluation of teachers by self and the students. While these two methods are the formal modes of performance assessment of teachers, the institution also has an informal method of evaluating staff. The informal method followed is as follows: The students assess the performance of the subject teacher in the prescribed format. The HOD conducts a one-to-one meeting with the staff and conveys the assessment and suggests any necessary improvements. The Principal also conducts meetings with student coordinators of the classes to get the feedback about the classes and other related matters.

The line of interaction followed is both for corrective measures and appreciation of the services of the teachers for their initiative and good work.

 The college performance appraisal system consists of the following components:

- Self-appraisal: The faculty submits self-appraisal report at the end of every academic year. The format is in such a ways that the document processed by the faculty will e evaluated by the HoD and his feedback is given. The same is forwarded to the principal for his review, remarks and the feedback. Finally the same will be forwarded to the management.
- Student feedback on teaching: Every semester the students give feedback about their course teachers.

Annual increment and promotion eligibilities of teaching staff are linked to their performance in academics and their contribution to institution achievements. The performance of the teaching staff is evaluated though self-assessment by the respective teaching staff. The self-appraisals of the respective teaching staff are then evaluated by higher authorities. The period of appraisal is for a particular academic year i.e August to July.

1. The teaching staffs are required to submit their self-appraisal as per the prescribed format.
2. The Non- teaching staffs are required to submit their appraisal as per the prescribed   format.

Annual-Increment:

Annual increment of teaching staffs and Non- Teaching staffs is linked to their performance in academics and their contribution to institution. The performance of the teaching staff is evaluated as per the appraisal rule. Rate of increment is as the per the norms of the apex body subjected to the availability of the funds in the institutions

The formats of performance appraisal are available at the office; the same will be distributed to the departments during the academic year. The filled formats are to be processed through the proper channels.

6.4 Financial Management and Resource Mobilization

6.4.1 Institution conducts internal and external financial audits regularly

Response:

Yes, the institution conducts internal and external audits regularly.

Internal audit:

The people involved:

1. The Accountants of RRIT & PKMET
2. The Office Superintendent of RRIT & PKMET
3. The Administrative Officer of RRIT & PKMET

They look after all the daily expenses and the bills for the day to day activities, petty cash, registers etc and also the additional amount incurred for the running of the institution.

Duration: Once in every Six months.

External Audit:

The people involved:

1. The Chartered Accountant and his team (2 accountants)
2. The Accountants of RRIT & PKMET
3. The Office Superintendent of RRIT & PKMET
4. The Administrative Officer of RRIT & PKMET

Duration: Annually

So far there have been no objections raised during the Auditing

6.4.2 Funds / Grants received from non-government bodies, individuals, Philanthropists during the

last five years (not covered in Criterion III) (INR in Lakhs)

Response: 0

6.4.2.1 Total Grants received from non-government bodies, individuals, philanthropists year-wise during the last five years (INR in Lakhs)

2016-17	2015-16	2014-15	2013-14	2012-13
0	0	0	0	0

File Description	Document
Details of Funds / Grants received from non-government bodies during the last five years	[View Document](#)

6.4.3 Institutional strategies for mobilisation of funds and the optimal utilisation of resources

Response:

The institution is a self-financed institution. All the financial resources required for the financial year are mobilised by the fees from students every year. the Fees structure of every students is displayed on the notice board of the admission section during the Admission time. apart from that the details of the fee structure is available at the accounts section. The shortfall in funds mobilization, if any, the funds required for Building infrastructure, Laboratory equipment's, students welfare, staff welfare and other expenditures will be mobilised by the Sponsoring Trust.

6.5 Internal Quality Assurance System

6.5.1 Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing the quality assurance strategies and processes

Response:

Contributions to Teaching & Learning

1. IQAC organizes a continual assessment of teaching and learning process and proper documentation during the academic review committee headed by the principal.
2. The Internal Auditing was also conducted by an Internal Academic Audit Committee.
3. Educational Awards to faculty
4. Initiations to improve the results

Contributions to Enhanced Research Outputs

1. Training programmes/capacity building sessions for faculty and non–teaching staff.
2. Motivate faculty to present paper publication & planned to release a journal through research committee
3. The faculty & students are encouraged to participate in conference or seminar Organised by other college or university and OOD for the faculty is provided.
4. Students are guided to present the paper
5. Organise Training / Workshop for Research Scholars
6. Students are assigned Teachers who guide them in studies on topics of their area of interest as a part of the research project in the VIII Semester
7. College provide paid leave on duty (OD) in a month for Faculty staff involved in research work.
8. Research Projects Exhibition

Contributions to Student Support Services

- Conducted Orientation Programme for first semester Students
- Exit feedback for sem VIII students
- Collects feedback from Parents in parents teacher meeting

Others Contributions

- The IQAC periodically conducts sessions to explore avenues to enhance teacher effectiveness through professional skill development training programmes.
- IQAC is constantly evaluating teaching learning process through feedbacks. Management supports for Research Projects and encouraging research collaborations
- IQAC initiated the process for NAAC accreditation
- Maintenance of Inward & Outward Registers in all Departments including Office
- Formats for Conduction of meetings
- Formats for Maintaining Master sheet for Committees/Clubs
- Preparation of Departmental Profile, Faculty profile
- Conduction internal & external Academic & Administrative Audit
- Initiation for National Institutional Ranking Framework. (NIRF)
- Initiated the newsletters of the departments.
- Strengthening of Institutional committees
- Increase of Events @ National/ International Levels
- Strengthening Documentation system

Best Practices of IQAC:

- Departmental Newsletters
- Departmental Documentation System

- Educational Awards to faculty
- Inward outward system for paper movements
- Exit feedback from outgoing students.

6.5.2 The institution reviews its teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals through IQAC set up as per norms

Response:

Reviews on Teaching Learning Process:

- In the beginning of every semester the principal organizes a Staff meeting in which all the departmental Heads will present their plans for development for the upcoming semester, at the end of the semester the departmental Heads will present their achievements against the planed action.
- During the semester internal assessment tests, the Principal also conducts the Academic Review Meetings to review the various Teaching Learning Process in individual departments.

Reviews on Structures & Methodologies of Operations

The Principal reviews the day to day teaching learning and evaluation process, and also communicates to the Heads of the department regarding the requirements and the review process.

The Director- IQAC has initiated the process of reviewing the files and documentation process of each department and the various committees, its Structures & Methodologies of Operations.

Reviews on co-curricular activities

Every department and the committees should make a report and submit the same to the principal regarding any curricular and co-curricular event organized at the college.

Reviews on documentation process

The documentation process at the department has been streamlined by the IQAC by giving the list of 30 files to be maintained at every department. The review of the same is done by the respective Heads and by the IQAC coordinator.

Reviews on Teaching Learning Process:

- In the beginning of every semester the principal organizes a Staff meeting in which all the departmental Heads will present their plans for development for the upcoming semester, at the end of the semester the departmental Heads will present their achievements against the planed action.
- During the semester internal assessment tests, the Principal also conducts the Academic Review Meetings to review the various Teaching Learning Process in individual departments.

Reviews on Structures & Methodologies of Operations

The Principal reviews the day to day teaching learning and evaluation process, and also communicates to the Heads of the department regarding the requirements and the review process.

The Director- IQAC has initiated the process of reviewing the files and documentation process of each department and the various committees, its Structures & Methodologies of Operations.

Reviews on co-curricular activities

Every department and the committees should make a report and submit the same to the principal regarding any curricular and co-curricular event organized at the college.

Reviews on documentation process

The documentation process at the department has been streamlined by the IQAC by giving the list of 30 files to be maintained at every department. The review of the same is done by the respective Heads and by the IQAC coordinator.

6.5.3 Average number of quality initiatives by IQAC for promoting quality culture per year

Response: 0.8

6.5.3.1 Number of quality initiatives by IQAC for promoting quality year-wise for the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
4	0	0	0	0

File Description	Document
Number of quality initiatives by IQAC per year for promoting quality culture	[View Document](#)

6.5.4 Quality assurance initiatives of the institution include:

1. **Regular meeting of Internal Quality Assurance Cell (IQAC); timely submission of Annual Quality Assurance Report (AQAR) to NAAC; Feedback collected, analysed and used for improvements**
2. **Academic Administrative Audit (AAA) and initiation of follow up action**
3. **Participation in NIRF**
4. **ISO Certification**

5.NBA or any other quality audit

A. Any 4 of the above

B. Any 3 of the above

C. Any 2 of the above

D. Any 1 of the above

Response: C. Any 2 of the above

File Description	Document
Details of Quality assurance initiatives of the institution	[View Document](#)

6.5.5 Incremental improvements made during the preceding five years *(in case of first cycle)* **Post accreditation quality initiatives** *(second and subsequent cycles)*

Response:

In the last five years the institute has initiated a lot of positive changes with the support of management, teachers, staff and students.

A lot of improvements have been evidently in the last five years. Few to mention are:

Teaching & Learning Process:

1. The increase in the number of full time faculty as per the norms of the regulatory authority.
2. There has been increase in the participation of the faculty in the University assignments such BOS, BOE, Panel of Examiners, Squad duty, DCS duty etc.
3. There has been increase in the faculty teaching and learning activities, such a participation in the various professional bodies, seminars, workshops, conferences.
4. The results of the students are also on the increasing end. The throughput result is increasing year by year.

Infrastructure & Facilities:

1. The institute has been increasing the infrasctural and the institutional support and facilities to the students in terms of scholarship, industry interactions and visits, projects and internship facilities etc.
2. There has been an increase in the number of facilities provided to the students every year for the holistic development.
3. The classrooms are ICT enabled and most of the laboratories are also connected by LAN/ Wi-Fi facilities.

Research:

1. The institute has many faculty who have registered for the doctoral programmes. There has been a increase in enrolment number .
2. The management funds for the students research projects.
3. The IPR Cell is in place and is creating the awareness about the IPRs in engineering research.
4. There has been an increase in the number of conferences attened, papers presented and published by the faculties.

Extension activities:

1. The institute organizes and motivates students to take part in a lot of extension activities.
2. The extension activities have been extended from the institutional and also the location's help perspective.

Criterion 7 - Institutional Values and Best Practices

7.1 Institutional Values and Social Responsibilities

7.1.1 Number of gender equity promotion programs organized by the institution during the last five years

Response: 6

7.1.1.1 Number of gender equity promotion programs organized by the institution year-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
1	0	0	3	2

File Description	Document
List of gender equity promotion programs organized by the institution	[View Document](#)

7.1.2

1. **Institution shows gender sensitivity in providing facilities such as:**
   1. **Safety and Security**
   2. **Counselling**
   3. **Common Room**

Response:

The institution have inculcated the value of Gender sensitivity in various steps. The Management, faculty and the students demonstrate their commitment to gender-sensitive education and women's empowerment by having :

Common Facilities:

- There is a separate hostel for boys and girls in the campus
- In the college there is separate restrooms and common rooms at each floors of the college building.
- Transportation system for the students.
- The counselling System
- Internal complaint committee for the various complaints received on the gender sensitivity issues. This committee also organizes the seminars on gender sensitivity issues and also women empowerment programmes.

Initiatives at classroom:

In the classroom , there exists democratic values and freedom among both boys and girls. There is an equal emphasis and participation in every activity.

The following things are done:

1) the class is made an interactive session between the girls and the boys by group discussions.
2) Faculty members give them regular small projects in groups containing boys and the girls.
3) Various activities for expression of thoughts should be made possible so that both boys and the girls come to know each other in a better ways.

Security for girls:

- At every entry and exit of the college, hostel there are security guards who monitor the entry and exit of the students.
- The institute provides good mode of transport which makes women feel secured, when they commute to college
- In case of the industrial visit organized by the college, the in-charge faculty and student members takes responsibility of dropping the girl students to their homes, in case of late evenings.

Others:

The Sports and cultural activities are of greater importance in inculcating by making them play games and competing each other.

7.1.3 Alternate Energy initiatives such as:

1.Percentage of annual power requirement of the Institution met by the renewable energy sources

Response: 93.06

7.1.3.1 Annual power requirement met by the renewable energy sources (in KWH)

Response: 20250

7.1.3.2 Total annual power requirement (in KWH)

Response: 21760

File Description	Document
Details of power requirement of the Institution met by renewable energy sources	**View Document**

7.1.4 Percentage of annual lighting power requirements met through LED bulbs

Response: 66.75

7.1.4.1 Annual lighting power requirement met through LED bulbs (in KWH)

Response: 58.88

7.1.4.2 Annual lighting power requirement (in KWH)

Response: 88.21

File Description	Document
Details of lighting power requirements met through LED bulbs	**View Document**

7.1.5 Waste Management steps including:
- **Solid waste management**
- **Liquid waste management**
- **E-waste management**

Response:

Waste Management Steps Initiated in the college for the betterment of the college are as follows.

1. E- Waste Management

- Physical assets audit is conducted once after the end of the academic year and The minor repairs are set right by the staff and the Laboratory assistants and the major repairs are carried out by the professional techniciansand are reused.

- All the miscellaneous e-waste such as CDs, batteries, fluorescent bulbs, PCBs and electronic items are collected from every department and delivered for safe disposal. Useful parts of electronic gadgets like resistors, capacitors, inductors, diodes, transistors, thyristors, etc have been removed from the gadgets for reuse purpose in practical / mini project of students.

- Non Reusable E-waste is accumulated and periodically handed over to the certified agencies/vendors of electronic equipment for safe and proper disposal after removing hazardous materials in the equipments.

- UPS Batteries are recharged/repaired/exchanged by the suppliers.

- The old computers and other equipments that can be exchanged for other equipments are exchanged with new ones.

1. Solid Waste Management.

- Every day all the academic buildings and other surrounding area in the campus are cleaned by a team of 12 housekeeping members and they separate out the waste and dispose accordingly.

- The dry and wet solid waste which can be decomposed are put in a separate pit excavated in the corner of the campus and added with yeast powder is allowed to decompose. Later the manure that is formed is used for gardening purpose. Solid wasted that can be recycled are separated and give for recycling to the vendors outside.

- Use of plastic bags is discouraged within the premises of the College.

1. **Hazardous waste management:**
    - Generally no hazardous waste is generated in the campus from any Department.

- Hazardous waste from the workshop and the chemistry lab is disposed withdue precautions.

- Hazardous Chemicals are kept separately in the store room away from the reach of students. Lab In-charge takes care of the chemicals and safety norms in the laboratory are strictly followed. Students

are made aware of the hazardous chemicals and safety aspects when they are given instructions before utilizing the chemicals. The labs are well ventilated and spacious and equipped with exhausts. 24 hour water supply is available in Chemistry labs and safety of the students is given top priority in planning a facility. Posters are also displayed in the labs.

7.1.6 Rain water harvesting structures and utilization in the campus

Response:

v The Rainwater from the rooftop of civil and mechanical block is collected and discharged into a well that is around 15 feet depth and dug around the bore well and the water is filtered by filling the well with charcoal boulders and fine sand. This helps in.
recharge of the well.

v The same kind of setup is done near the auditorium where 2 wells are dug and the water is discharged to the well via pipes this helps to increase the ground water table.

v Two sumps of 2000 litre capacity each is built near the amphitheatre to collect rain water and the same is filtered using simple filtering techniques and the water collected is used for gardening purpose.

7.1.7 Green Practices
- **Students, staff using**
a) **Bicycles**
b) **Public Transport**
c) **Pedestrian friendly roads**
- **Plastic-free campus**
- **Paperless office**
- **Green landscaping with trees and plants**

Response:

1. R.R.I.T is spread over 3-acre campus which is located in the outskirts of Bangalore city, the campus is free from pollution and is an ideal place for Education. 80% of the total open area is covered by trees and lawns for students. Even though there is no formal conduction of green audit in R.R.I.T,a lot has been spent on the maintenance of all the Lawn and Gardening Purpose The campus has nearly 100 trees planted. There are gardeners to carry out all the horticulture works of the colleges. Sprinkler systems is used in colleges to give optimum use of water.

1. The Green Club of the college annual organizes a Green day where students and staff participate with enthusiasm in plantation drive. This drive is to remind the young citizens the importance of

environment and ecology forsustainable development.

1. Renewable Energy

- All the Hostels have been fitted with solar water heaters.

- The college generates its own electricity by installed solar plants on the Initiation block where nearly 150 kW of electricity is generated every day out of 150kW the electricity required by the college per day is utilized and excess is Electricity board.

- Use of plastic bags is discouraged within the premises of the College.

1. Initiation has been taken for setting up paperless office.

1. Most of the students are using public transport as our college is situated near to Railway station and other modes of public transport. Last year nearly 56 % of the students have taken passes for public transports.

1. Initative was taken by the trust to setup an underpass at the railway line B/w 12.800 & 12.900 for the transit of students and parents. This Underpass will reduce nearly 5 Kms of Journey to college. The college is also built with pedestrian friendly roads for the safety of the students and parents.

7.1.8 Average percentage expenditure on green initiatives and waste management excluding salary component during the last five years

Response: 0

7.1.8.1 Total expenditure on green initiatives and waste management excluding salary component year-wise during the last five years(INR in Lakhs)

2016-17	2015-16	2014-15	2013-14	2012-13
0	0	0	0	0

File Description	Document
Details of expenditure on green initiatives and waste management during the last five years	[View Document](#)

7.1.9 Differently abled (Divyangjan) Friendliness Resources available in the institution:

1. Physical facilities
2. Provision for lift
3. Ramp / Rails
4. Braille Software/facilities
5. Rest Rooms
6. Scribes for examination
7. Special skill development for differently abled students
8. Any other similar facility (Specify)

A. 7 and more of the above

B. At least 6 of the above

C. At least 4 of the above

D. At least 2 of the above

Response: D. At least 2 of the above

File Description	Document
Resources available in the institution for Divyangjan	[View Document](#)

7.1.10 Number of Specific initiatives to address locational advantages and disadvantages during the last five years

Response: 10

7.1.10.1 Number of specific initiatives to address locational advantages and disadvantages year-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
3	2	2	2	1

File Description	Document
Number of Specific initiatives to address locational advantages and disadvantages	[View Document]

7.1.11 Number of initiatives taken to engage with and contribute to local community during the last five years (Not addressed elsewhere)

Response: 0

7.1.11.1 Number of initiatives taken to engage with and contribute to local community year-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
0	0	0	0	0

File Description	Document
Details of initiatives taken to engage with local community during the last five years	[View Document]

7.1.12
Code of conduct handbook exists for students, teachers, governing body, administration including Vice Chancellor / Director / Principal /Officials and support staff

Response: Yes

7.1.13 Display of core values in the institution and on its website

Response: No

File Description	Document
Provide URL of website that displays core values	[View Document]

7.1.14 The institution plans and organizes appropriate activities to increase consciousness about national identities and symbols; Fundamental Duties and Rights of Indian citizens and other constitutional obligations

Response: Yes

File Description	Document
Details of activities organized to increase consciousness about national identities and symbols	View Document

7.1.15 The institution offers a course on Human Values and professional ethics

Response: Yes

File Description	Document
Any additional information	View Document

7.1.16 The institution functioning is as per professional code of prescribed / suggested by statutory bodies / regulatory authorities for different professions

Response: Yes

7.1.17 Number of activities conducted for promotion of universal values (Truth, Righteous conduct, Love, Non-Violence and peace); national values, human values, national integration, communal harmony and social cohesion as well as for observance of fundamental duties during the last five years

Response: 7

File Description	Document
List of activities conducted for promotion of universal values	View Document

7.1.18 Institution organizes national festivals and birth / death anniversaries of the great Indian personalities

Response:

The Institution plans and celebrates the national birth and death anniversaries. few to mention are:

Name of the festivals	Day commemorates	
Republic day	Indian republic day	
National Youth day	Swamy Vivekananda's Birthday	
Holi (in March)	Unity in diversity of India	
Constitution day	Dr Ambedkar Jayanti	
May Day	Employees day	
Gandhi jayanti	Mahatma Gandhi birthday	
Rashtriya ekta diwas	Sardar vallabhai patel birthday	
Teachers day	Dr S Radhakrishna Birthday	

Engineers day (15th September)	Bharat Rathna M. Vishvesvaraya birth
Novermber 1st	Kanataka (Kannada) Rajyotsava
Independence day	India's independence

1. Republic day on 26th January of every year
2. National Youth day on 12th January of every year to commemorate the birthday of Swamy Vivekananda.
3. The Constitution day on 14th April of every year to commemorate birth anniversary of Dr Ambedkar Jayanti
4. Gandhi jayanti to commemorate the birth anniversary Mahatma Gandhi
5. Rashtriya ekta diwas to commemorate the birth anniversary Sardar vallabhai patel
6. Teachers day (5th Sepetember every year) to commemorate the birth anniversary   Dr S Radhakrishna
7. Engineers day (15th September every year) to commemorate the birth anniversary Bharat Rathna M. Vishvesvaraya
8. Novermber 1st of every year as Karnataka (Kannada) Rajyotsava
9. Independence day to celebrate the freedom of India

7.1.19 The institution maintains complete transparency in its financial, academic, administrative and auxiliary functions

Response:

The institute maintaines complete transperency in its financial , academic , administrative and auxiliary functions.

The complete details of fee of every students(category wise) is mentioned on the Notice board of teh admission section during admissiona nd later at the accounts section.

The faculty members are given the autonomy of spending the amount for the events which they organizes. the budget for the same has o be given and the money from the accounts will be withdrawn. after completion of teh event, he expenditure statement is to be submitted along with the balance payment.

 The database related to the students is maintained by each faculty who is involved in teaching and learning prcess of the semester. The Internal assessment and the atendance is sent to parents and also is displayed on the notice board for the reference of the students.

A Team of the Principal and the HoDs conduct the academic audit every month to check the sylabus and the complettion of the academic activities.

7.2 Best Practices

7.2.1 Describe at least two institutional best practices (as per NAAC Format)

Response:

Title of the Practice : Student Motivation

Objectives of the practice: The students with different learning levels are identified. Higher learning level students are motivated to do still better. Lower learning level students are encouraged to reach the minimum required level.

The Context :

The students with higher learning ability have got higher potential which can be channelized to achieve beyond the curriculum which benefits the mankind.

The students with moderate and lower learning levels needs motivation, extra care, attention in order to achieve the minimum required target. Hence this student community to be motivated and given extra practice.

The Practice

Students with different learning levels are identified as Below average, Average & Above average after conduction of each internal test based on the test marks. The students with low learning levels are asked to answer the test questions and submit the assignment. The student will be asked to make comparison between the answers and underline the point of correction needed. Assignment questions will be given at the beginning of every module. Two groups of students in a particular section are given different questions based on their USN either odd or even question to answer in the question bank given. This promotes mutual co-operative learning.

Evidence of Success

The students learning level were found to appreciate in the nextsubsequent tests.

Problems Encountered & Resources required

Timely submission of assignment by all such students.

- ○

Title of the Practice : Student Database

Objectives of the practice

To have the complete information about the students

To identify a student with his strengths & weakness.

Serves as a ready reckoner for any purpose.

The Context

The complete data base contains the student name, parents details, photo, hisacademic and extra curricular track record. This helps the faculty members to identify the student learning level, field of interest and scope for development of that student.

The faculty can guide/channelize/orient the student based on his potential.

The Practice

The complete information about the student will be collected at the time of admission every year and updated every semester. The printouts of this database will be given to all the concerned faculty members. The faculty will carry the database sheet to every class he/she handles. The attention will be given to every student based on the information available in the database.

Evidence of Success

Since the complete information on a student is available to the faculty members, it is found that the students are fine tuned. Since the faculty is able to identify each student with his photo on the data sheet, the student attendance is found to be improved. Faculty members try to remove the weaknesses identified by counseling. The parents phone numbers are readily available in the data sheet, it is very convenient and easy for the faculty to contact the student's parents.

Problems Encountered & Resources required

Entry of data from the registration form to the XL sheet by the faculty members.

Resources required: Computer, Printer, MS XL software.

7.3 Institutional Distinctiveness

7.3.1 Describe/Explain the performance of the institution in one area distinctive to its vision, priority and thrust

Response:

In the last five years the institute has initiated a lot of positive changes to march towards th eachivement of Vision and Mission with the support of management, teachers, staff and students.

A lot of improvements have been evidently in the last five years. Few to mention are:

Teaching & Learning Process:

1. The increase in the number of full time faculty as per the norms of the regulatory authority.
2. There has been increase in the participation of the faculty in the University assignments such BOS, BOE, Panel of Examiners, Squad duty, DCS duty etc.
3. There has been increase in the faculty teaching and learning activities, such a participation in the various professional bodies, seminars, workshops, conferences.
4. The results of the students are also on the increasing end. The throughput result is increasing year by year.

Infrastructure & Facilities:

1. The institute has been increasing the infrasctural and the institutional support and facilities to the students in terms of scholarship, industry interactions and visits, projects and internship facilities etc.
2. There has been an increase in the number of facilities provided to the students every year for the holistic development.
3. The classrooms are ICT enabled and most of the laboratories are also connected by LAN/ Wi-Fi facilities.

Research:

1. The institute has many faculty who have registered for the doctoral programmes. There has been a increase in enrolment number .
2. The management funds for the students research projects.
3. The IPR Cell is in place and is creating the awareness about the IPRs in engineering research.
4. There has been an increase in the number of conferences attened, papers presented and published by the faculties.

Extension activities:

1. The institute organizes and motivates students to take part in a lot of extension activities.
2. The extension activities have been extended from the institutional and also the location's help perspective.

5. CONCLUSION

Additional Information :

Short Term Goals

- To improve the quality of campus life
- Meeting the requirements of affiliation and standards
- Identifying and meeting student learning expectations
- Strengthening Teaching Learning process
- Conducting International Conferences
- Introduction of performance Management
- Aligning Every Stake Holders to vision and mission
- Create conducive environment of continuous learning and research
- NBA and NAAC Accredited

Long Term Goals

- Setting up centre of excellence
- Incubation centre
- Permanent affiliation
- Autonomous UGC recognition for University

Concluding Remarks :

R R Institute of Technology, marching towards, with a mission of imparting education to all sections of Society, to render highest standards of academic achievement with moral and social commitments. Converting the idea of providing high quality education combined with excellent infrastructure into a reality in Indian context. Generating a synergistic relationship with the industry with a long term view where the college and the industry could have a mutually beneficial relationship, it aims a rigorous, relevant and rewarding education with a special the emphasis on practical and technical inputs.

6.ANNEXURE

Metrics Level Deviations
No Deviations

2.Extended Profile Deviations

ID	Extended Questions
1.1	Number of courses offered by the institution across all programs during the last five years Answer before DVV Verification : 10
1.2	Number of self-financed Programs offered by college Answer before DVV Verification : 9
1.3	Number of new programmes introduced in the college during the last five years Answer before DVV Verification : 4
2.1	Number of students year-wise during the last five years Answer before DVV Verification:

2016-17	2015-16	2014-15	2013-14	2012-13
1300	1201	1245	1154	1045

Answer After DVV Verification:

2016-17	2015-16	2014-15	2013-14	2012-13
288	375	348	334	356

2.3	Number of outgoing / final year students year-wise during the last five years Answer before DVV Verification:

2016-17	2015-16	2014-15	2013-14	2012-13
257	301	226	266	151

3.1	Number of teachers year-wise during the last five years Answer before DVV Verification:

2016-17	2015-16	2014-15	2013-14	2012-13
111	98	96	91	85

Answer After DVV Verification:

2016-17	2015-16	2014-15	2013-14	2012-13
98	98	96	91	85

3.2	Number of full time teachers year-wise during the last five years

Answer before DVV Verification:

2016-17	2015-16	2014-15	2013-14	2012-13
111	98	96	91	85

Answer After DVV Verification:

2016-17	2015-16	2014-15	2013-14	2012-13
98	98	96	91	85

3.4	Total experience of full-time teachers Answer before DVV Verification : 927.2 years
3.5	Number of teachers recognized as guides during the last five years Answer before DVV Verification : 47
3.6	Number of full time teachers worked in the institution during the last 5 years Answer before DVV Verification : 481
4.2	Total Expenditure excluding salary year-wise during the last five years (INR in Lakhs) Answer before DVV Verification:

2016-17	2015-16	2014-15	2013-14	2012-13
379.53	396.34	654.56	497.93	350.41

4.3	Number of computers Answer before DVV Verification : 500
4.5	Unit cost of education excluding the salary component(INR in Lakhs) Answer before DVV Verification : 0.312