



YEARLY STATUS REPORT - 2020-2021

Part A	
Data of the Institution	
1.Name of the Institution	R. C. PATEL INSTITUTE OF TECHNOLOGY, SHIRPUR
• Name of the Head of the institution	Prof. Dr. Jayantrao Bhaurao Patil
• Designation	Director
• Does the institution function from its own campus?	Yes
• Phone no./Alternate phone no.	02563259600
• Mobile No:	9923466699
• Registered e-mail	director@rcpit.ac.in
• Alternate e-mail	jbpatil@hotmail.com
• Address	Near Nimzari Naka, Shahada Road, Shirpur
• City/Town	Shirpur Dist: Dhule
• State/UT	Maharashtra
• Pin Code	425405
2.Institutional status	
• Type of Institution	Co-education
• Location	Rural
• Financial Status	Self-financing

• Name of the Affiliating University	Dr. Babasaheb Ambedkar Technological University, Lonere				
• Name of the IQAC Coordinator	Prof. Pravin Laxmanrao Sarode				
• Phone No.	02563259600				
• Alternate phone No.	02563259600				
• Mobile	8788376738				
• IQAC e-mail address	pravinsarodercpit@gmail.com				
• Alternate e-mail address	pravinsaru@gmail.com				
3. Website address (Web link of the AQAR (Previous Academic Year))	https://www.rcpit.ac.in/files/AQAR-2019-20.pdf				
4. Whether Academic Calendar prepared during the year?	Yes				
• if yes, whether it is uploaded in the Institutional website Web link:	https://www.rcpit.ac.in/uploads/download/1638776765.pdf				
5. Accreditation Details					
Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
Cycle 1	A	3.18	2017	30/10/2017	29/10/2022
6. Date of Establishment of IQAC			15/10/2015		
7. Provide the list of funds by Central / State Government UGC/CSIR/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.,					

Institutional/Department /Faculty	Scheme	Funding Agency	Year of award with duration	Amount
Dr. Mahesh Bhimsham Dembrani	AICTE-ISTE INDUCTION/REFRESHER PROGRAMMES	AICTE-ISTE	2020-21	3 Lakhs
Mr. Pankaj Eknath Kasar	TEQIPIII	Dr. Babasaheb Ambedkar Technological University, Lonere.	2020-21	3 Lakhs

8. Whether composition of IQAC as per latest NAAC guidelines	Yes
<ul style="list-style-type: none"> Upload latest notification of formation of IQAC 	View File
9.No. of IQAC meetings held during the year	3
<ul style="list-style-type: none"> Were the minutes of IQAC meeting(s) and compliance to the decisions have been uploaded on the institutional website? 	Yes
<ul style="list-style-type: none"> If No, please upload the minutes of the meeting(s) and Action Taken Report 	No File Uploaded
10. Whether IQAC received funding from any of the funding agency to support its activities during the year?	No
<ul style="list-style-type: none"> If yes, mention the amount 	
11. Significant contributions made by IQAC during the current year (maximum five bullets)	
<p>* Implementation of Autonomy System (Structure, Syllabus, BoS, Committee, Exam System) * Proposed to start new courses in emerging trends like Artificial Intelligence & Machine Learning * Review placement activities of AY 2020-21 and action plan of AY 2021-22. * Covid-19 Safety awareness program and vaccination campaign for</p>	

staff, student and society * Effectively implementation of ERP software and organizing staff training on different ERP Modules. * Organizing sport and health awareness programs.

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

Plan of Action	Achievements/Outcomes
Admission: All seats in UG programmes should be filled up.	Target almost achieved
To aim of improving passing percentage of students	Target almost achieved
NSS activities	COVID-19 safety awareness and Vaccination Program is Arranges
To set new strategies for placements and employability during and post COVID-19 pandemic under ICC and T & P cell.	640 students were placed in reputed companies with average salary of 3.6 lakh
FDPs/ Seminars by faculties & Students	Number of FDPs/Seminars attended by faculties and students are more than 700
Publications for staff(Books)	Books Published-17, International -17, National-0
Publications for staff(Conference)	Conference Paper Published-31, International-30, National-01
Publications for staff(Journal Paper)	Journal Paper-23, UGC/Scopus-10, Non UGC / Scopus-13
Research enrollment	Ph. D - 48
No. of scholars completed the research programme	Ph. D completed in year (2020-21)-06
Curriculum enhancement ICT oriented Teaching Learning process to be made more effective with the maximum use of Digital board, digital content development, Student enrolments for moocs	Institute has implemented Microsoft Teams , ZOOM and MOODLE based teaching learning platform is being used for Students.

<p>To arrange or promote FDP programs to update employee skills for Teaching, Non-teaching faculties.</p>	<p>In meeting teaching/non-teaching staff were motivated to participate in FDP to learn new skills. Also Teachers and students were encourage to increase research publication. In results of witch different programs organized in institute under TEQIP and number and quality of research publication is increased.</p>
<p>To review and analyze the status of preparation for a spot visit of the Autonomy Peer Committee, Syllabus Structure and details refinements, formation Board of Studies, Subject panels.</p>	<p>Work done for preparation of Autonomy peer committee is reviewed and some inputs about syllabus structure and BoS are provided for IQAC committee members.</p>
<p>To review and approve different operational and functional committees of Autonomy.</p>	<p>Following committees were approved in Autonomy with minor changes. Academic Council, Finance Committee, Board of Studies, IQAC and Academics Committee, Research Committee, Grievance Redressal Cell, Anti-Ragging Committee, Sexual Harassment Committee / Internal Complaints Committee, SC/ST Cell, Training and Placement Cell, Career Counselling Committee, Admission Committee, Cultural Committee, Sports Committee Library Committee, Social Activities Committee, DSR Committee, Purchase Committee, Discipline Committee, Ladies Hostel Committee and Food Committee, Examination Committee, Boy's Hostel Committee and Food Committee, Students Volunteer Committee, Planning and Evaluation Committee, Extra-Curricular Committee, Student Welfare Committee, Academic Audit</p>

	Committee. Prof. S P Shukla is appointed as Controller of Examiners and Prof. S V Desale is new Head of Applied Science.
To approve structure and syllabus of all UG courses; also finalize academic calendar of AY 2020-21 for FY B. Tech.	Syllabus and structure of UG Course is approved and it is decided to make academic collaborate with Dwarkadas J. Sanghvi College of Engineering. Academic Calendar for AY 2020-21 is approved.
To start new emerging engineering course by reviewing number of admissions done in AY 2020-21.	After reviewing admission figure of AY 2020-21, It is decided to apply for new UG course- Artificial intelligence (AI) and Machine Learning (ML) with 60 seats by closer of 60 seats of Mechanical Engineering.
To conduct annual stock verification and staff appraisal.	In meeting faculties were instructed to carried out annual stock verification and maintain DSR. Also faculties were instructed to verify API.
13. Whether the AQAR was placed before statutory body?	Yes
<ul style="list-style-type: none"> Name of the statutory body 	
Name	Date of meeting(s)
Board of Management	25/06/2021
14. Whether institutional data submitted to AISHE	
Year	Date of Submission
2020-21	22/01/2022
Extended Profile	
1. Programme	

1.1	6
Number of courses offered by the institution across all programs during the year	
File Description	Documents
Data Template	View File
2.Student	
2.1	2391
Number of students during the year	
File Description	Documents
Data Template	View File
2.2	285
Number of seats earmarked for reserved category as per GOI/ State Govt. rule during the year	
File Description	Documents
Data Template	View File
2.3	681
Number of outgoing/ final year students during the year	
File Description	Documents
Data Template	View File
3.Academic	
3.1	120
Number of full time teachers during the year	
File Description	Documents
Data Template	View File
3.2	120
Number of Sanctioned posts during the year	

File Description	Documents
Data Template	View File

4.Institution	
4.1 Total number of Classrooms and Seminar halls	32
4.2 Total expenditure excluding salary during the year (INR in lakhs)	527.6031273
4.3 Total number of computers on campus for academic purposes	790

Part B

CURRICULAR ASPECTS

1.1 - Curricular Planning and Implementation

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

R.C. Patel Institute of Technology is an autonomous institute with effect from 2020-21. It is affiliated to DBATU, Lonere and follows curriculum prescribed by the university for T.Y. and B.Tech batches. Institute curriculum delivery follows very systematic approach to develop and deploy action plans for effective implementation of the curriculum as given below. At the start of every academic year, Institute prepares academic calendar for first year and second year while for third year and final year affiliating university gives a tentative academic calendar mentioning start and end of the semester, holidays, internal examinations, practical / oral examination dates and end semester examination.

Process of effective implementation of curriculum Teaching Practices

- At the beginning of every semester, each teacher prepares calendar of individual teacher activities which includes start and end date of each unit for every subject. University syllabus prescribes the number of lectures required for each unit, accordingly teacher prepares his/her unit wise teaching plan. Every subject teacher has to complete the unit before the start of Continuous Assessment (CA) of that unit.

- Each teacher also identifies the course outcomes of each unit.
- For practicals, teacher prepares batch wise practical plan. In addition to the practicals prescribed by the university, some extra practicals are also conducted to enhance students knowledge.
- Laboratory manuals are provided to students at the start of the semester.
- For active teaching and learning, apart from chalk and board method, teacher adopt some innovative ICT based methods like use of Power Point Presentation (PPT), audio, video, lab sessions, formative feedback, think-pair-share and project based learning. These methods encourage students to actively participate in learning process. Teachers also use quizzes, NPTEL videos, QEEE and MOOCs lectures for conduction of course.
- During lecture conduction, each teacher maintains the day wise record of planned topic, actual covered topic and references used to cover the topic. HODs monitors the overall progress of teaching learning process on weekly basis.
- Class teacher and class co-ordinator monitor the class activity.
- Feedback from students is analyzed to improve the teaching learning process. If required, necessary corrective actions are taken accordingly.

File Description	Documents
Upload relevant supporting document	View File
Link for Additional information	https://www.rcpit.ac.in/virtual-class-room-labs

1.1.2 - The institution adheres to the academic calendar including for the conduct of Continuous Internal Evaluation (CIE)

- Institute conducts three test as Continuous Assessment-1, Continuous Assessment-2 and Mid Semester Examination throughout the semester. Detailed schedule about these tests is given to students at the start of the semester.
- Each subject teacher prepares exhaustive question bank on every unit inline bloom's taxonomy. While finalizing these questions previous university exam question papers are referred.
- Result analysis of every test is carried out and accordingly corrective actions are taken. For slow learners, remedial

classes are conducted by respective subject teacher. Along with remedial coaching, toppers monitoring is also carried out to give special guidance to toppers.

File Description	Documents
Upload relevant supporting documents	View File
Link for Additional information	https://www.rcpit.ac.in/uploads/download/1638776765.pdf

1.1.3 - Teachers of the Institution participate in following activities related to curriculum development and assessment of the affiliating University and/are represented on the following academic bodies during the year.
Academic council/BoS of Affiliating University
Setting of question papers for UG/PG programs
Design and Development of Curriculum for Add on/ certificate/ Diploma Courses
Assessment /evaluation process of the affiliating University

A. All of the above

File Description	Documents
Details of participation of teachers in various bodies/activities provided as a response to the metric	View File
Any additional information	No File Uploaded

1.2 - Academic Flexibility

1.2.1 - Number of Programmes in which Choice Based Credit System (CBCS)/ elective course system has been implemented

1.2.1.1 - Number of Programmes in which CBCS/ Elective course system implemented

File Description	Documents
Any additional information	No File Uploaded
Minutes of relevant Academic Council/ BOS meetings	No File Uploaded
Institutional data in prescribed format (Data Template)	No File Uploaded

1.2.2 - Number of Add on /Certificate programs offered during the year

1.2.2.1 - How many Add on /Certificate programs are added during the year. Data requirement for year: (As per Data Template)

2

File Description	Documents
Any additional information	No File Uploaded
Brochure or any other document relating to Add on /Certificate programs	View File
List of Add on /Certificate programs (Data Template)	View File

1.2.3 - Number of students enrolled in Certificate/ Add-on programs as against the total number of students during the year

73

1.2.3.1 - Number of students enrolled in subject related Certificate or Add-on programs during the year

73

File Description	Documents
Any additional information	View File
Details of the students enrolled in Subjects related to certificate/Add-on programs	View File

1.3 - Curriculum Enrichment

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

As per syllabus of university we have subjects related to professional ethics, human values and environment into the

curriculum.

File Description	Documents
Any additional information	No File Uploaded
Upload the list and description of courses which address the Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum	View File

1.3.2 - Number of courses that include experiential learning through project work/field work/internship during the year

3

File Description	Documents
Any additional information	No File Uploaded
Programme / Curriculum/ Syllabus of the courses	No File Uploaded
Minutes of the Boards of Studies/ Academic Council meetings with approvals for these courses	No File Uploaded
MoU's with relevant organizations for these courses, if any	No File Uploaded
Number of courses that include experiential learning through project work/field work/internship (Data Template)	View File

1.3.3 - Number of students undertaking project work/field work/ internships

691

File Description	Documents
Any additional information	No File Uploaded
List of programmes and number of students undertaking project work/field work/ /internships (Data Template)	View File

1.4 - Feedback System

1.4.1 - Institution obtains feedback on the syllabus and its transaction at the institution from the following stakeholders Students Teachers Employers Alumni	D. Any 1 of the above
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File Description	Documents
URL for stakeholder feedback report	No File Uploaded
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management (Upload)	No File Uploaded
Any additional information(Upload)	View File

1.4.2 - Feedback process of the Institution may be classified as follows	A. Feedback collected, analyzed and action taken and feedback available on website
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File Description	Documents
Upload any additional information	View File
URL for feedback report	Nil

TEACHING-LEARNING AND EVALUATION

2.1 - Student Enrollment and Profile

2.1.1 - Enrolment Number Number of students admitted during the year

2.1.1.1 - Number of sanctioned seats during the year

600

File Description	Documents
Any additional information	No File Uploaded
Institutional data in prescribed format	View File

2.1.2 - Number of seats filled against seats reserved for various categories (SC, ST, OBC, Divyangjan, etc. as per applicable reservation policy during the year (exclusive of supernumerary seats)

2.1.2.1 - Number of actual students admitted from the reserved categories during the year

285

File Description	Documents
Any additional information	No File Uploaded
Number of seats filled against seats reserved (Data Template)	View File

2.2 - Catering to Student Diversity

2.2.1 - The institution assesses the learning levels of the students and organizes special Programmes for advanced learners and slow learners

Based on the qualifying examination, common entrance test data of admitted student and also from every internal test and ESE through analysis, slow learners and advanced learners are identified, respective subject teacher conducts remedial classes for such students. After every test, subject expert gives feedback of evaluated answer paper to each student. Separate classes are conducted for the backlog students.

For advanced learners - Every year top ten students are identified and they are nurtured by teachers specifically allotted for them. Students are encouraged to enroll for add on courses offered under QEEE, MOOCs. During the conduction of tutorials, the number of problems solved and difficulty level is slightly more for top division students. They are encouraged to take part in different contests floated by industries and renowned institutes like E-Baja, M-Baja, Mega ATV contest, TCS Code vita, TCS Game On, Sparkle by KPIT Cummins, IIT Technical Fest.

Institute provides platform to students by which they can interact and experiment with current technologies used in industries. (e.g. eYantra lab for robotics, Wipro lab for embedded system)

File Description	Documents
Link for additional Information	Nil
Upload any additional information	View File

2.2.2 - Student- Full time teacher ratio (Data for the latest completed academic year)

Number of Students	Number of Teachers
2391	120

File Description	Documents
Any additional information	View File

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

Following are few innovative practices which are adopted by the institution:

1. The institute has its own academic calendar in line with the university academic calendar. Various activities are planned accordingly.
2. The lesson plans are prepared by the teaching faculty to ensure the effective delivery and plan the systematic teaching-learning processes.
3. The implementation of teaching plan and students' attendance is regularly monitored by Class coordinator, local guardian and Head of Department and regular efforts are made to inform the students and parents.
4. Institute have well-equipped digitized library with access to e-journal and NPTEL learning resources, Delnet, National Digital Library (NDL) and direct access to the library resources for independent learning.
5. Accesses to on-line journals are made available for staff and students to learn the latest research and developed techniques in engineering.
6. Repository of seminar /project reports in the library for the reference of students and faculty.
7. Infrastructure for ICT enabled teaching and learning for interactive learning. e.g. MOODLE.
8. Ample computer facility with 155Mbps internet connection and wi-fi connectivity for fast and precise access of information for

independent and interactive learning.

9. Provision of language lab makes the students good at English communication.

10. Organize various workshops for faculty to learn and adopt various interactive learning techniques such as flip class room, think pair share implementation, project-based learning, use of analogy, role play etc

11. Faculty and students are encouraged to upgrade through various MOOC platforms.

12. Remedial classes -Result analysis of every ISE is carried out thoroughly and slow learners are identified, respective subject teacher conducts remedial classes for such students.

13. Topper Monitoring - after every ISE, subject expert gives feedback of evaluated answer paper to each topper students.

14. Classes for backlog students -separate classes are conducted for the backlog students as per their demand.

The overall outcome of these practices are excellent academic results, cracking placement records and recently it is observed that few innovative ideas are in the journey of establishment as startup.

File Description	Documents
Upload any additional information	View File
Link for additional information	Nil

2.3.2 - Teachers use ICT enabled tools for effective teaching-learning process. Write description in maximum of 200 words

Teachers effectively use ICT tools. The number of ICT enabled classrooms are 30. The institute has local chapter of NPTEL courses. Institute also has tie up with NMIMS Shirpur for Coursera. Students as well as faculty are always encouraged to upgrade knowledge in the respective domains. Institute is using online platform for resource sharing as well as conduction of quizzes, mcq based exams even before pandemic situation. Students and faculty regularly avails MOOC platforms. Animations, simulations are used in the teaching to simplify complicated models. Students and faculty are familiar with

various ICT based technology like MOODLE, Teams, ZOOM, Google, smart board etc for effective teaching learning process.

File Description	Documents
Upload any additional information	View File
Provide link for webpage describing the ICT enabled tools for effective teaching-learning process	Nil

2.3.3 - Ratio of mentor to students for academic and other related issues (Data for the latest completed academic year)

2.3.3.1 - Number of mentors

109

File Description	Documents
Upload, number of students enrolled and full time teachers on roll.	View File
Circulars pertaining to assigning mentors to mentees	No File Uploaded
mentor/mentee ratio	View File

2.4 - Teacher Profile and Quality

2.4.1 - Number of full time teachers against sanctioned posts during the year

120

File Description	Documents
Full time teachers and sanctioned posts for year (Data Template)	View File
Any additional information	No File Uploaded
List of the faculty members authenticated by the Head of HEI	No File Uploaded

2.4.2 - Number of full time teachers with Ph. D. / D.M. / M.Ch. /D.N.B Superspeciality / D.Sc. / D.Litt. during the year (consider only highest degree for count)

2.4.2.1 - Number of full time teachers with Ph. D. / D.M. / M.Ch. /D.N.C Superspeciality / D.Sc. / D.Litt. during the year

22

File Description	Documents
Any additional information	No File Uploaded
List of number of full time teachers with Ph. D. / D.M. / M.Ch./ D.N.B Super specialty / D.Sc. / D.Litt. and number of full time teachers for year(Data Template)	View File

2.4.3 - Number of years of teaching experience of full time teachers in the same institution (Data for the latest completed academic year)

2.4.3.1 - Total experience of full-time teachers

1287

File Description	Documents
Any additional information	No File Uploaded
List of Teachers including their PAN, designation, dept. and experience details(Data Template)	View File

2.5 - Evaluation Process and Reforms

2.5.1 - Mechanism of internal assessment is transparent and robust in terms of frequency and mode. Write description within 200 words.

A student shall be evaluated for his / her academic performance in a course through various components (CA, MSE and ESE for theory courses while CA and ESE for laboratory courses) as specified in curriculum structure.

Transparent Internal Assessment -

a) It is expected that the teacher would conduct at least two formal assessments of the students under the continuous assessment mode in a Semester.

b) The teacher will announce at the beginning of the respective course the method of conducting the assessments under the continuous mode and the assignment of marks and inform the same to the Director- Academics or Dean in University or Principal/HoD in affiliated college in the first week of the semester. The same may

be also displayed on the University/ College Portal.

c) The teacher shall keep the record of the continuous assessment of a class at least for three years and produce it to the Principal of the college or Director-Academics, if needed.

d) In-semester performance of all students, both continuous assessment and mid-semester examination should be displayed on notice board as well on College / University Portal and sent to the academic office of the University/ College by the teacher before the end-semester examination.

e) For the theory courses, there will be one Mid-semester test for each course to be held as per the schedule fixed in the Academic Calendar of the University/college, preferably in the eighth week of the semester for at least 50% syllabus. Duration of MSE shall be one hour.

File Description	Documents
Any additional information	View File
Link for additional information	Nil

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

For redressal of grievances with reference to evaluation, students have free admittance to concerned subject teachers or the department head. Students having grievances with the internal evaluation process can directly discuss their doubts individually with respective teachers. Students can approach the Head of Department, in case of any grievances, thus institute have effective redressal mechanism. After every internal examination, students can check his/her evaluated answer sheets, if he/she have any grievances, it will be addressed by the HOD on application of the students within next two days.

File Description	Documents
Any additional information	View File
Link for additional information	Nil

2.6 - Student Performance and Learning Outcomes

2.6.1 - Teachers and students are aware of the stated Programme and course outcomes of the Programmes offered by the institution.

The institute has clearly stated Programme Outcomes and Course Outcomes of the programmes offered. The Vision and Mission statements are displayed on the college website as well as in college campus. These outcomes have been set, taking into account the variety of programmes and the heterogeneity of rural and urban students. The Course Outcomes are also mentioned in the syllabi prescribed to each class. In the beginning of every academic year the programme outcomes are verbally communicated to the students by teachers. They are also displayed on college website. All these outcomes are explained to students in the classrooms directly or indirectly.

www.rcpit.ac.in

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for Additional information	www.rcpit.ac.in
Upload COs for all courses (exemplars from Glossary)	No File Uploaded

2.6.2 - Attainment of Programme outcomes and course outcomes are evaluated by the institution.

The Programme outcomes and course outcomes are evaluated by the institution and the same are communicated to the students in the formal way of the discussion in the classroom.

The program outcomes are assessed with the help of course outcomes of the relevant courses through direct and indirect methods.

Direct methods are provided through direct examinations or observations of student knowledge or skills against measurable course outcomes. The knowledge and skills described by the course outcomes are mapped to specific problems on University Examination, internal exams and home assignment.

At the end of each semester, university conducts examinations based on the result published by university the course outcomes are measured.

To ensure that students have achieved desired level of competencies

in each course, three internal tests are conducted. To evaluate, whether corresponding COs are achieved or not, According to the performance of the student in answering each question, mapping is carried out with the respective COs for assessing the attainment level of the specific CO of the subject.

File Description	Documents
Upload any additional information	View File
Paste link for Additional information	Nil

2.6.3 - Pass percentage of Students during the year

2.6.3.1 - Total number of final year students who passed the university examination during the year

681

File Description	Documents
Upload list of Programmes and number of students passed and appeared in the final year examination (Data Template)	View File
Upload any additional information	No File Uploaded
Paste link for the annual report	Nil

2.7 - Student Satisfaction Survey

2.7.1 - Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design its own questionnaire) (results and details need to be provided as a weblink)

<https://forms.gle/tFq88SDSoKU4NAfV7>

RESEARCH, INNOVATIONS AND EXTENSION

3.1 - Resource Mobilization for Research

3.1.1 - Grants received from Government and non-governmental agencies for research projects / endowments in the institution during the year (INR in Lakhs)

3.1.1.1 - Total Grants from Government and non-governmental agencies for research projects / endowments in the institution during the year (INR in Lakhs)

6 Lakhs

File Description	Documents
Any additional information	No File Uploaded
e-copies of the grant award letters for sponsored research projects /endowments	No File Uploaded
List of endowments / projects with details of grants(Data Template)	View File

3.1.2 - Number of departments having Research projects funded by government and non government agencies during the year

3.1.2.1 - Number of departments having Research projects funded by government and non-government agencies during the year

2

File Description	Documents
List of research projects and funding details (Data Template)	View File
Any additional information	No File Uploaded
Supporting document from Funding Agency	No File Uploaded
Paste link to funding agency website	Nil

3.1.3 - Number of Seminars/conferences/workshops conducted by the institution during the year

3.1.3.1 - Total number of Seminars/conferences/workshops conducted by the institution during the year

6

File Description	Documents
Report of the event	No File Uploaded
Any additional information	No File Uploaded
List of workshops/seminars during last 5 years (Data Template)	View File

3.2 - Research Publications and Awards

3.2.1 - Number of papers published per teacher in the Journals notified on UGC website during the year**3.2.1.1 - Number of research papers in the Journals notified on UGC website during the year**

10

File Description	Documents
Any additional information	No File Uploaded
List of research papers by title, author, department, name and year of publication (Data Template)	View File

3.2.2 - Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during the year**3.2.2.1 - Total number of books and chapters in edited volumes/books published and papers in national/ international conference proceedings during the year**

48

File Description	Documents
Any additional information	No File Uploaded
List books and chapters edited volumes/ books published (Data Template)	View File

3.3 - Extension Activities

3.3.1 - Extension activities are carried out in the neighborhood community, sensitizing students to social issues, for their holistic development, and impact thereof during the year

REGULAR ACTIVITIES REPORT

1 June 2020 to 31 May 2021

Basic information about The College:

1

Name and address of the college

R.C. Patel Institute of Technology,

Near Nimazari Naka, Shirpur, Dist.Dhule.

Pin code -425405

2.

Total Number of units in the college

01

3.

Name of the Programme officer

Dr. M.S.Sonawane

4.

Date of appointment whether trained or not

02-08-2018 / not trained

5.

NSS Strength allotted by the University to the College

100

6.

Actual no. of NSS volunteers enrolled

Male : 62

Female :38

Total : 100

7

Category wise Enrolment

SC

ST

OBC

Others

10

5

51

34

NSS Advisory Committee:

1.

Prof. Dr. J. B. Patil

Principal R. C. P. I. T, Shirpur

Chairman

1.

Dr. M. S. Sonawane

Programme officer, R. C. P. I. T, Shirpur

Member /Secretary

1.

Dr. K. E. Surywanshi

Assistant NSS officer, R. C. P. I. T, Shirpur

Member

1.

Prof. V. K. Surywanshi

Department of Applied Sciences and Humanities, R.C.P.I.T, Shirpur

Member

1.

Prof. S. N. Patil, Prof. S. M. Pardeshi, Department of Computer Engineering, R. C. P. I. T., Shirpur

Member

1.

Prof. P. S. Patil and Prof. M. N. Patil

Department of Civil Engineering, R. C. P. I. T., Shirpur

Member

1.

Prof. M. R. Patil and Prof. N. G. Shinde

Department of Mechanical Engineering, R. C. P. I. T., Shirpur

Member

1.

Prof. R. S. Patil and Prof. A. R. Mahire

Department of Electrical Engineering, R. C. P. I. T., Shirpur

Member

1.

Prof. M. L. Patel

Department of E&TC Engineering, R. C. P. I. T., Shirpur

Member

1.

Girase Mandipsinnh (Civil), Sharma Tusharkumar(Electrical),

Chaudhari Neha (Comp), Mali Pavan (Mech), Bhalkar Lokesh (E& Tc)

Students Coordinators

NSS Unit Monthly Activity 2020-21

Regular Activity Details

Index

Dates

Name of Project

Objective

Outcome

Domain

Hrs devoted per volunteers

21/6/20

One day international E- workshop on the significance of Yoga in Pandemic

To understand importance of Yoga in our daily life

The workshop was conducted successfully.

Health, society and education

2 hrs

11/7/20 to 15/7/20

Online Prerna-2020 state level leadership development camp

To provide a platform to learn about NSS and interact with the role models of the society. The main objective of the program is to develop youth leadership.

Prerna-2020 Camp will helpful to develop leadership in volunteers. The volunteers were inspired by the work done by all respected

social worker and dignitaries

society and education

25 hrs

1/8/2020

Tribute to Lokshahir Annabhau Sathe on his birthday and Lokmanya Tilak on his death anniversary

To celebrate the birth anniversary of Lokshahir Annabhau Sathe and Lokmanya Tilak on his death anniversary

On the occasion of the birth and death anniversary, remembered the sacrifices and devotion made by freedom fighters to contribute for independent India. The volunteers were highly inspired by the work done by India's real heroes.

society and education

02 hrs

13/8/2020

World Organ Donation Day

To spread awareness on organ donation and breaking all the myths on organ donation

The seminar was conducted successfully.

Health, society and education

01 hrs

15/08/20

Independence Day

To attend an Independence Day celebration at a nearby school or college. To remember our national heroes.

A sense of nationalism was developed among the volunteers.

Social

01 hrs

08/09/20

International Literacy- Computer Literacy at primary school

Collect books for home library / book club. Teach importance of literacy a child in your nearby area. Celebrate International Literacy Day.

The international literacy day successfully celebrate and students spread importance of literacy

Education

01 hrs

NSS Unit Monthly Activity 2020-21

Regular Activity Details

Index

Dates

Name of Project

Objective

Outcome

Domain

Hrs devoted per volunteers

14/09/20

Tree Plantation at premises of self home

?? ??? ?????? A mega tree plantation program for promote pollution free environment

The volunteers learn about important of tree plantation and pollution control management.

Environment

01 hrs

24/09/20

NSS Day Celebrations

On this national service scheme day, volunteers participated in the state government's innovative program 'My Family My Responsibility' and worked to prevent corona infection while maintaining social commitment during the corona period.

The NSS day successfully celebrate and students working with Aasha workers, they tried to create awareness among the maximum number of citizens

Society, Helath and Education.

30 hrs

02/10/2020

Communal Harmony (Mahatma Gandhi Jayanti)

Yoga session was organized on the occasion of Mahatma Gandhi Jayanti

The yoga session was successfully conducted. In this session, the volunteers learned the many health benefits of yoga.

Helath and Education.

02hrs

13/10/2020

Global Hand washing Day

The main objective of the program to spread importance of Hand washing.

The Seminar was conducted successfully.

Society, Health Education

01 hrs

31/10/2020

National Unity day

To observe the birth anniversary of Sardar Patel, on every year this day celebrate as Rashtriya Ekta Diwas.

It aimed to pay tribute to him for his great efforts made to unite India.

"Unity in Diversity" message was spread among volunteers. The volunteers were made aware about the national safety, security and unity. The volunteers were inspired by the work done by Sardar Patel for nation

Nationalism

02 hrs

14/11/2020

World Diabetes Day

To increase diabetes awareness and improving access to care and treatment options

The activity which helpful for diabetes treatment and awareness

Health, society and education

02 hrs

26/11/2020

Constitution day

To understand importance of constitution, reading of the preamble of the constitution with Hon'ble Prime minister

A sense of nationalism was developed among the volunteers.

Nationalism

01 hrs

NSS Unit Monthly Activity 2020-21

Regular Activity Details

Index

Dates

Name of Project

Objective

Outcome

Domain

Hrs devoted per volunteers

07/01/2021

Majhi Vasundhara Abhiyan

To protect and conserve the environment

Volunteers took an e-pledge to adopt an environmentally friendly lifestyle

Environment

01 hrs

12/01/2021

National Youth Day

To celebrate the birthday of Swami Vivekananda. The main aim is to encourage the youths to learn the ideals and teachings of Vivekananda and implement them in their lives.

The online session was conducted successfully.

Society, Education

02 hrs

15/01/2021

We the movement positivity - ??????????? ???? ?

To spread importance of cleanliness and promote the campaign of "Swachh Bharat Abhiyaan"

The volunteers learn about important of cleanliness and pollution free environment.

Environment

02 hrs

23/1/2021

Parakram Diwas

To celebrate the 125th Birth Anniversary year of Netaji Subhas Chandra Bose The objective is to remember Netaji's selfless service to the country and to inspire the people of the country, especially the youth, to act with courage in times of crisis.

The online session was conducted successfully.

Society, Education

02 hrs

25/1/2021

National voters day

To spread awareness about the importance of voting

On social media, volunteers have shared selfies with slogan to encourage others to vote.

Society and Nationalism

03 hrs

26/1/2021

Republic day

To celebrate Republic day and remember our national heroes.

A sense of nationalism was developed among the volunteers.

Nationalism

02 hrs

NSS Unit Monthly Activity 2020-21

Regular Activity Details

Index

Dates

Name of Project

Objective

Outcome

Domain

Hrs devoted per volunteers

16/3/21

National vaccination day

To spread awareness about the importance of vaccination

Students created a short video for the Covid 19 vaccination and shared it on social platforms to create awareness in the community.

Society and Health

10 hrs

21/3/21

World poetry day

World poetry day was declared by UNESCO, to support linguistic diversity through poetic expression and increasing the opportunity to hear extinct languages

Successfully conducted online Poetry competition through that students understand linguistic diversity

Society, Education

02 hrs

30/3/21

????? ?? ???? ????????

August 15, 2022 is the 75th anniversary of India's independence. To make this golden moment unforgettable, various initiatives are being taken by the government before 75 weeks in advance. Under this, our RCPIT NSS unit has been decided to conduct an online quiz.

Successfully conducted online quiz based on the lives of freedom fighters. A sense of nationalism was developed among the volunteers.

Nationalism

02 hrs

25/4/21 To 15/5/2021

Vaccination awareness drive

We have organize following activities

1. webinar series on Importance of Covid-19 Vaccination, Post corona fungal infection
2. Poster competition will be organized on Covid 19 awareness theme
3. Video making on vaccination awareness

Successfully organized online webinar and e-poster competition. Selected posters were also shared on WhatsApp groups / Twitter and other social media to spread awareness among the peoples.

Society and Health**60 Hrs**

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	View File

3.3.2 - Number of awards and recognitions received for extension activities from government / government recognized bodies during the year**3.3.2.1 - Total number of awards and recognition received for extension activities from Government/ government recognized bodies during the year**

File Description	Documents
Any additional information	No File Uploaded
Number of awards for extension activities in last 5 year(Data Template)	No File Uploaded
e-copy of the award letters	No File Uploaded

3.3.3 - Number of extension and outreach programs conducted by the institution through NSS/NCC/Red cross/YRC etc., (including the programmes such as Swachh Bharat, AIDS awareness, Gender issues etc. and/or those organized in collaboration with industry, community and NGOs) during the year**3.3.3.1 - Number of extension and outreach Programs conducted in collaboration with industry, community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., during the year****23**

File Description	Documents
Reports of the event organized	View File
Any additional information	No File Uploaded
Number of extension and outreach Programmes conducted with industry, community etc for the last year (Data Template)	View File

3.3.4 - Number of students participating in extension activities at 3.3.3. above during the year

3.3.4.1 - Total number of Students participating in extension activities conducted in collaboration with industry, community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., during the year

330

File Description	Documents
Report of the event	View File
Any additional information	No File Uploaded
Number of students participating in extension activities with Govt. or NGO etc (Data Template)	View File

3.4 - Collaboration

3.4.1 - The Institution has several collaborations/linkages for Faculty exchange, Student exchange, Internship, Field trip, On-the- job training, research etc during the year

593

File Description	Documents
e-copies of linkage related Document	No File Uploaded
Details of linkages with institutions/industries for internship (Data Template)	View File
Any additional information	No File Uploaded

3.4.2 - Number of functional MoUs with national and international institutions, universities, industries, corporate houses etc. during the year

3.4.2.1 - Number of functional MoUs with Institutions of national, international importance, other universities, industries, corporate houses etc. during the year

12

File Description	Documents
e-Copies of the MoUs with institution./ industry/corporate houses	No File Uploaded
Any additional information	No File Uploaded
Details of functional MoUs with institutions of national, international importance, other universities etc during the year	View File

INFRASTRUCTURE AND LEARNING RESOURCES

4.1 - Physical Facilities

4.1.1 - The Institution has adequate infrastructure and physical facilities for teaching- learning. viz., classrooms, laboratories, computing equipment etc.

Infrastructure facilities

The R.C. Patel Institute of Technology campus is spread over 7.12 acres of lush green land providing an ambience congenial to the pursuit of high quality technical education. The adequate availability of physical infrastructure is identified time to time and, has been planned and constructed accordingly. Institute imparts seven courses viz. Computer Engineering, Civil Engineering, Mechanical Engineering, Electronics & Telecommunication Engineering, Electrical Engineering, Computer Science & Engineering (Data Science) and Artificial Intelligence and Machine Learning Each of the disciplines is provided with built-up constructed as per the requirements of AICTE.

Following table shows the details.

Sr. No.

Particulars

Area in SQ.M

1

Instructional Area

1.

2

Administrative Area

1.

3

Amenities

1.

4

Circulation and others

1.

(Table No.1)

Instructional area

Particulars

Nos.

Area in sq. m.

Class Room

30

2470

Tutorial Room - UG

9

428

Laboratory - UG

56

4913

Language Laboratory

1

161

Workshop

1

200

Additional work shop labs

2

800

Computer Center

1

237

Drawing Hall

2

314

Library & Reading Room

1

612

Seminar Room - UG

2

303



(Table No.2)

Administrative area

Particulars

Nos.

Area in sq. m.

Principal Directors Office

1

75

Office All Inclusive

1

191

Board Room

1

50

HOD Cabin & Dept. Office

7

241

Central Store

1

53

Exam Control Office

1

320

Faculty Room

16

455

Housekeeping

1

15

Maintenance

1

45

Pantry for Staff

1

10

Placement Office

1

115

Security

2

20

(Table No.3)

Amenities Area

Particulars

Nos.



Area in sq. m.

Boys Common Room

1

75

Girls Common Room

1

75

Cafeteria

1

575

First aid cum Sick Room

1

14

Stationery Store

1

30

Boys Toilet

6

228

Girls Toilet

5

191

Parking

2

4137

Boys Hostel

1

7850

Girls hostel

1

3124

Circulation and Other Area

1

6492

(Table No.4)

Other Facilities

SN

Particulars

Available/Nos.

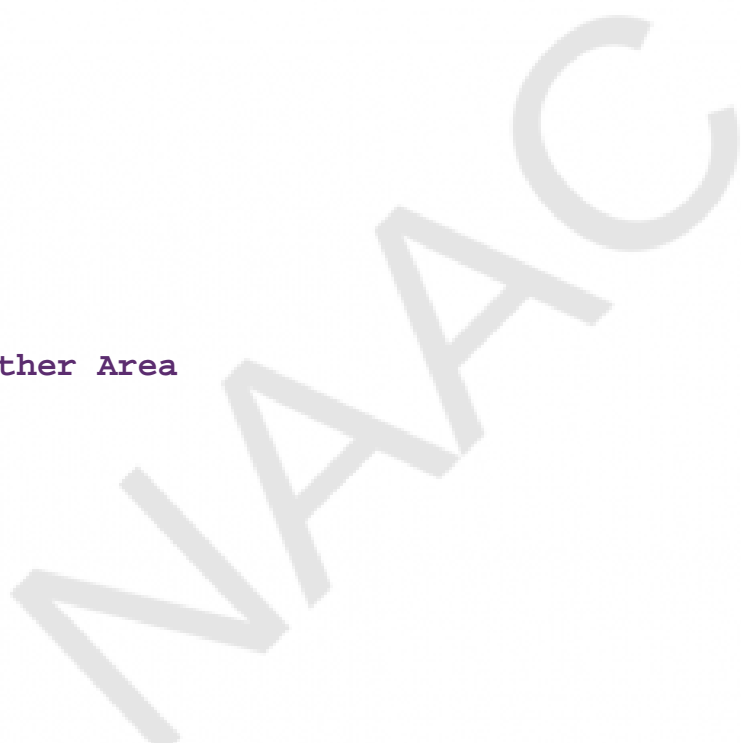
1

All Weather Approach Road

Yes

2

Pure Water Supply



Yes

3

Electrical Generator

Yes

4

Digital Library

Yes

5

Parking facilities

Yes

6

Medical facilities

Yes

7

Insurance facilities

Yes

8

Reprographic facilities in the Institutions.

Yes

9

Sewage Disposal

Yes

10



Solar Energy system

Yes

11

Telephone, Intercom and FAX

Yes

12

Rain water harvesting

Yes

13

General Notice Board and Departmental Notice Boards

Yes

14

Medical and Counseling Facilities

Yes

15

Institution web site

Yes

16

First Aid Room

Yes

The extra-curricular activities include the indoor and outdoor games, gymnasium, activities, public speaking, communication skills, health and hygienic, yoga, etc. The Institute is providing facilities for the students to participate in sports, cultural and extra-curricular activities. Institution conducts cultural programs

in collaboration with electronic media and encourages the students to participate in it to bring inherent talents of them. Dedicated sports facilities with guidance of a qualified full time physical director is made available to students. Details of extra-curricular activities are given below.

Outdoor Games

Institute provides facilities for following outdoor games such as

Cross Country , Tennis, Basket Ball , Volley Ball , Kabaddi , Athletics ,Cricket

Ball Badminton, Mallkhamb, Soft Ball , Base Ball , Hand Ball , Football

Indoor Games

Institute provides indoor games such as

Chess, Badminton, Boxing , Weight Lifting Power Lifting ,Table Tennis

File Description	Documents
Upload any additional information	View File
Paste link for additional information	Nil

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

The extra-curricular activities include the indoor and outdoor games, gymnasium, activities, public speaking, communication skills, health and hygienic, yoga, etc. The Institute is providing facilities for the students to participate in sports, cultural and extra-curricular activities. Institution conducts cultural programs in collaboration with electronic media and encourages the students to participate in it to bring inherent talents of them. Dedicated sports facilities with guidance of a qualified full time physical director is made available to students. Details of extra-curricular activities are given below.

Outdoor Games

Institute provides facilities for following outdoor games such as Cross Country , Tennis, Basket Ball , Volley Ball , Kabaddi , Athletics , Cricket Ball Badminton, Mallkhamb, Soft Ball , Base Ball , Hand Ball , Football

Indoor Games

Institute provides indoor games such as Chess, Badminton, Boxing , Weight Lifting Power Lifting ,Table Tennis

The College has a spacious ground for outdoor sports, with the ground being modified for specific sports. Being a reputed institution, coaches of repute are associated with our College. The College has a tie-up with external agencies (Shirpur Cricket Association, Municipal Council, etc.) to enable students to avail of their facilities in sports like cricket, lawn tennis, and badminton.

For indoor games we have a facility for table tennis, carom, badminton and chess. The open ground is used for kho-kho, kabaddi, volleyball, basketball, football, hockey, cricket, ball badminton, baseball and soft ball. Our College staff also provides its expertise to the University sports body. The activities of the Sports are governed by the Director with the assistance of the Gymkhana Chairman, Teaching, Non-Teaching Staff and student representatives.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	Nil

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

32

4.1.3.1 - Number of classrooms and seminar halls with ICT facilities

32

File Description	Documents
Upload any additional information	View File
Paste link for additional information	Nil
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	View File

4.1.4 - Expenditure, excluding salary for infrastructure augmentation during the year (INR in Lakhs)

4.1.4.1 - Expenditure for infrastructure augmentation, excluding salary during the year (INR in lakhs)

169.43372

File Description	Documents
Upload any additional information	No File Uploaded
Upload audited utilization statements	No File Uploaded
Upload Details of budget allocation, excluding salary during the year (Data Template)	View File

4.2 - Library as a Learning Resource

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

Name of ILMS software - MasterSoft

Nature of automation - Fully

Version- -

Year of automation - 2017

Link- <https://libcloud.mastersofterp.in/Homepage/Index/ESTllyGgcVY=>

File Description	Documents
Upload any additional information	View File
Paste link for Additional Information	https://libcloud.mastersofterp.in/Homepage/Index/ESTllyGgcvY=

4.2.2 - The institution has subscription for the following e-resources e-journals e-ShodhSindhu Shodhganga Membership e-books Databases Remote access toe-resources

A. Any 4 or more of the above

File Description	Documents
Upload any additional information	No File Uploaded
Details of subscriptions like e-journals,e-ShodhSindhu, Shodhganga Membership etc (Data Template)	View File

4.2.3 - Expenditure for purchase of books/e-books and subscription to journals/e- journals during the year (INR in Lakhs)

4.2.3.1 - Annual expenditure of purchase of books/e-books and subscription to journals/e-journals during the year (INR in Lakhs)

3.49

File Description	Documents
Any additional information	View File
Audited statements of accounts	No File Uploaded
Details of annual expenditure for purchase of books/e-books and journals/e- journals during the year (Data Template)	View File

4.2.4 - Number per day usage of library by teachers and students (foot falls and login data for online access) (Data for the latest completed academic year)

4.2.4.1 - Number of teachers and students using library per day over last one year

47

File Description	Documents
Any additional information	No File Uploaded
Details of library usage by teachers and students	View File

4.3 - IT Infrastructure

4.3.1 - Institution frequently updates its IT facilities including Wi-Fi

R. C. Patel Institute of Technology, Shirpur has always updated its IT infrastructure to meet the latest trend in IT in terms of computational power required for students and ease of teaching learning process. Computers have been upgraded to "All in One" models with inbuilt webcam and speaker microphone setup for video conferencing and interactive teaching learning. WIFI has been upgraded from basic small office home office setup (SOHO) to State of the Art Enterprise mesh WIFI from reputed brand CISCO which provides seamless connectivity across entire campus without dropping off. Furthermore projectors have been upgraded to smart interactive panels with inbuilt computer with well-equipped hardware to sustain installation of complex programs and help aid teaching learning be it on windows platform or android platform.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	Nil

4.3.2 - Number of Computers

525

File Description	Documents
Upload any additional information	No File Uploaded
Student – computer ratio	View File

4.3.3 - Bandwidth of internet connection in the Institution

A. ? 50MBPS

File Description	Documents
Upload any additional Information	View File
Details of available bandwidth of internet connection in the Institution	View File

4.4 - Maintenance of Campus Infrastructure

4.4.1 - Expenditure incurred on maintenance of infrastructure (physical and academic support facilities) excluding salary component during the year (INR in Lakhs)

4.4.1.1 - Expenditure incurred on maintenance of infrastructure (physical facilities and academic support facilities) excluding salary component during the year (INR in lakhs)

527.6

File Description	Documents
Upload any additional information	No File Uploaded
Audited statements of accounts.	No File Uploaded
Details about assigned budget and expenditure on physical facilities and academic support facilities (Data Templates)	View File

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.

Institute has mechanism for maintenance and upkeep of infrastructure, facilities and equipment is as follows-

- Stock verification is done to identify the non-working equipment and suggestions for necessary replacements are presented.
- Regular cleaning and up keeping of the equipment is monitored by the faculty member in-charge of the laboratories.
- The annual budget and allocation of funds for and regular monitoring of utilization of funds for maintenance ensures the improvement in the infrastructure of the Institute.
- Annual maintenance contract (AMC) is availed for critical and sophisticated equipment and software.
- The sensitive equipment, like computers and science apparatus are maintained by the lab assistants and the electrical equipments, water purifying machine, RO, photocopiers,

printers, are timely serviced by the technical experts.

- A team of security guards comprising one Security Officer and 13 Security Guards is there on campus for security and vigilance of the entire premises.
- In addition to these technical people designated as lab assistants are available in all departments to attend regular difficulties of students and staff of the concerned departments.

Institute take up calibration and other precision measures for the equipments/instruments considerably with the following procedure.

- The institute has authorized the HODs to take up the calibration of precision equipments/instruments as per the standards of the instruments.
- The laboratory equipment are maintained and calibrated as per the budget allotted to the concerned department.
- The Institute has Network Administrator and team of Lab Assistants to take care of the maintenance of the computers and networking facilities.

Institute has taken major steps for upkeep and maintenance of sensitive equipment, voltage fluctuations and constant water supply is as follows-

- There are Generators backup (100 kVA, 125 kVA and 250 kVA) with sensor system to ensure uninterrupted power supply.
- All computer labs is provided with Uninterrupted Power Supply (UPS) to ensure no data lost and any sort of damage.
- To take care of voltage fluctuation for overall building 415kVA stabilizer is provided.
- RO Plant Systems are installed in the campus and there is a continuous drinking water supply.
- The Institute has an in-house electrician and other supporting staff to take care of the electrical equipment and for other regular maintenance.
- All buildings provided with Fire-fighting equipment and First aid boxes.
- Institute has separate server room for maintaining and controlling of services throughout the building.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.rcpit.ac.in/files/Policies-for-Maintaining-and-Utilizing-Physical-Academic-and-Support-Facilities.pdf

STUDENT SUPPORT AND PROGRESSION

5.1 - Student Support

5.1.1 - Number of students benefited by scholarships and free ships provided by the Government during the year

5.1.1.1 - Number of students benefited by scholarships and free ships provided by the Government during the year

2081

File Description	Documents
Upload self attested letter with the list of students sanctioned scholarship	No File Uploaded
Upload any additional information	No File Uploaded
Number of students benefited by scholarships and free ships provided by the Government during the year (Data Template)	View File

5.1.2 - Number of students benefitted by scholarships, free ships etc. provided by the institution / non- government agencies during the year

5.1.2.1 - Total number of students benefited by scholarships, free ships, etc provided by the institution / non- government agencies during the year

50

File Description	Documents
Upload any additional information	No File Uploaded
Number of students benefited by scholarships and free ships institution / non- government agencies in last 5 years (Date Template)	View File

5.1.3 - Capacity building and skills enhancement initiatives taken by the institution include the following: Soft skills Language and communication skills Life skills (Yoga, physical fitness, health and hygiene) ICT/computing skills

A. All of the above

File Description	Documents
Link to institutional website	Nil
Any additional information	No File Uploaded
Details of capability building and skills enhancement initiatives (Data Template)	View File

5.1.4 - Number of students benefitted by guidance for competitive examinations and career counseling offered by the institution during the year

1880

5.1.4.1 - Number of students benefitted by guidance for competitive examinations and career counseling offered by the institution during the year

1880

File Description	Documents
Any additional information	No File Uploaded
Number of students benefited by guidance for competitive examinations and career counseling during the year (Data Template)	View File

5.1.5 - The Institution has a transparent mechanism for timely redressal of student

A. All of the above

grievances including sexual harassment and ragging cases Implementation of guidelines of statutory/regulatory bodies Organization wide awareness and undertakings on policies with zero tolerance Mechanisms for submission of online/offline students' grievances Timely redressal of the grievances through appropriate committees

File Description	Documents
Minutes of the meetings of student redressal committee, prevention of sexual harassment committee and Anti Ragging committee	View File
Upload any additional information	No File Uploaded
Details of student grievances including sexual harassment and ragging cases	No File Uploaded

5.2 - Student Progression

5.2.1 - Number of placement of outgoing students during the year

5.2.1.1 - Number of outgoing students placed during the year

402

File Description	Documents
Self-attested list of students placed	View File
Upload any additional information	No File Uploaded

5.2.2 - Number of students progressing to higher education during the year

5.2.2.1 - Number of outgoing student progression to higher education

72

File Description	Documents
Upload supporting data for student/alumni	No File Uploaded
Any additional information	No File Uploaded
Details of student progression to higher education	No File Uploaded

5.2.3 - Number of students qualifying in state/national/ international level examinations during the year (eg: JAM/CLAT/GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/State government examinations)

5.2.3.1 - Number of students qualifying in state/ national/ international level examinations (eg: JAM/CLAT/NET/ SLET/ GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/ State government examinations) during the year

File Description	Documents
Upload supporting data for the same	No File Uploaded
Any additional information	No File Uploaded

5.3 - Student Participation and Activities

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

5.3.1.1 - Number of awards/medals for outstanding performance in sports/cultural activities at university/state/ national / international level (award for a team event should be counted as one) during the year.

File Description	Documents
e-copies of award letters and certificates	No File Uploaded
Any additional information	No File Uploaded
Number of awards/medals for outstanding performance in sports/cultural activities at university/state/national/international level (During the year) (Data Template)	No File Uploaded

5.3.2 - Institution facilitates students' representation and engagement in various administrative, co-curricular and extracurricular activities (student council/ students representation on various bodies as per established processes and norms)

Institute encourages active participation of students through student councils. Student council is formed in the institute as per the university resolution 1994/Act 40/ 2B. The members are selected as per university rules and regulation, from each class. Initially first two students are called who are the toppers from each class and from each branch. After selection of members, one of the students is nominated for General Secretary (GS) and one of the girl students is nominated for Ladies Representative (LR). Similarly, the selection of Cultural committee and sports committee coordinators has been selected, But every nomination requires support of two students from the elected members. After GS, LR, Sports coordinator is elected and other members are appointed as Class Representative of concern department. This student council actively works for different activities conducted in the institute like blood donation camp, tree plantation drive, annual gathering, etc. University Representative is elected at university level from the representative of different colleges by conducting election. Also from the selected university representatives one member is selected as a President of university student council and another member as secretary on university level student council. NSS activity for students was started in institute from AY 2018-19. In NSS includes students from 10 students from Second Year and 10 students from Third Year are selected from every branch. NSS team has a capacity of total 100 students. Many social activities such as tree blood donation, tree plantation, swachhta abhiyaan etc. were performed under NSS. In

Institution facilitates students' representation and engagement in various administrative, co-curricular and extracurricular activities on following bodies.

- IQAC and Academics Committee (<https://www.rcpit.ac.in/iqac-and-academics-committee>)
- Anti-Ragging Committee (<https://www.rcpit.ac.in/anti-ragging-committee>)
- Grievance Redressal Cell for students (<https://www.rcpit.ac.in/grievance-redressal-cell>)
- Sexual Harassment Committee/ Internal Complaint Committee (<https://www.rcpit.ac.in/internal-complaint-committee>)
- SC/ST Cell (<https://www.rcpit.ac.in/sc-st-cell>)
- Cultural Committee (<https://www.rcpit.ac.in/cultural-committee>)

- Sports Committee (<https://www.rcpit.ac.in/sports-committee>)
- Ladies Hostel Committee and Food Committee (<https://www.rcpit.ac.in/ladies-hostel-committee-and-food-committee>)
- Boy's Hostel Committee and Food Committee (<https://www.rcpit.ac.in/boys-hostel-committee-and-food-committee>)
- Students Volunteer Committee (<https://www.rcpit.ac.in/students-volunteer-committee>)
- Planning and Evaluation Committee (<https://www.rcpit.ac.in/planning-and-evaluation-committee>)
- Extra - Curricular Activities Committee (<https://www.rcpit.ac.in/extra-curricular-committee>)

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	No File Uploaded

5.3.3 - Number of sports and cultural events/competitions in which students of the Institution participated during the year (organized by the institution/other institutions)

5.3.3.1 - Number of sports and cultural events/competitions in which students of the Institution participated during the year

41

File Description	Documents
Report of the event	No File Uploaded
Upload any additional information	No File Uploaded
Number of sports and cultural events/competitions in which students of the Institution participated during the year (organized by the institution/other institutions) (Data Template)	View File

5.4 - Alumni Engagement

5.4.1 - There is a registered Alumni Association that contributes significantly to the development of the institution through financial and/or other support services

Earlier in this institute, college staff just used to see alumni during meets. It was not fulfilling any objective. Institute has understood that alumni is institute's one of the stake holders and

everyone must make use of their industry experience and contacts. So, Institute have taken initiative to connect alumni with the current students. Institute has taken their support to promote plans and activities. In addition to this, from last year, Institute have started innovative activities wherein alumni of institute visit the institute in order to share their college life; corporate life experience. Institute has seen tremendous response from students for this activity as the alumni shares real life experience. After every session institute conduct meeting with alumni to know industry's requirements and collect suggestions cum feedback and HR references. Based on that, Weave suggested many more innovative activities such as alumni mentorship, created social networking platforms for strong alliance with them which have now yielding the results. To make it more organize Institute have formed registered Alumni Association having core committee members who will drive the initiatives more rigorously.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	No File Uploaded

5.4.2 - Alumni contribution during the year (INR in Lakhs)

C. 3 Lakhs - 4Lakhs

File Description	Documents
Upload any additional information	View File

GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 - Institutional Vision and Leadership

6.1.1 - The governance of the institution is reflective of and in tune with the vision and mission of the institution

The college follows its vision and mission to serve better for students. The governance of the college matches vision and the mission of the college.

Vision of Institute:-

Ø To achieve excellence in engineering education with strong ethical

values.

Mission of Institute:-

To impart high quality Technical Education through:

Innovative and Interactive learning process and high quality, internationally recognized instructional programs.

Fostering a scientific temper among students by the means of a liaison with the Academia, Industries and Government.

Preparing students from diverse backgrounds to have aptitude for research and spirit of Professionalism.

Inculcating in students a respect for fellow human beings and responsibility towards the society.

Goals & Objective of Institute:-

To achieve academic excellence.

To compete them at national and international level in all areas of life.

To inculcate leadership and interpersonal skills.

To develop all round personalities of the students.

To provide orientation to students towards research.

Involve student in community service and thereby promote social justice and national integration.

To promote the faculty towards quality research and examination.

The governance of the institution is reflective:

The empowered team of the college involves Director, Dy..Director, and Coordinators of different committees, Teaching-staff, IQAC committee, non-teaching and supporting staff, student representative

(C.R.), Stakeholders, Alumni and local management committee. The principal monitors the mechanism regarding administration and academic process. It also ensures proper functioning of the policies, rules and action-plans of the college. There are many committees to support the vision and mission of the college. For example, these are Examination cell, NSS, and counseling cell, library and sports committee, cultural committee, internal examination committee, anti-ragging committee, college-magazine committee, disciplinary committee, scholarship committee, grievance redressal committee, etc. All the committees take its responsibility for the plans and activities, and successfully tackles these responsibilities in every academic session. For academic performance meetings with HoD's and faculty of various departments is done. Also, the teaching-progress is checked monthly by teaching register. Principal continuously monitors each room individually by CCTV installed for teaching-class, class room activities, movement of students in veranda and outside of the campus. The perspective plans are implemented by principal with finance committee, headed by him/her self. It deals with the finance received for the various grants and amount received from other sources from overall development and maintenance of college. The financial requirements are proposed by various committees and the Principal and the Local committee approves it.

Central tenets of the institute's vision and mission are commitments to academic excellence in teaching and research, innovation and creativity, respect for cultural diversity, individual dignity and worth, responsible stewardship and conservation of resources and leadership and involvement in the economics, social and professional growth of the reason and the nation.

Meeting these commitments, R. C. Patel Institute of Technology, Shirpur seeks to develop into:

A globally renowned institute for outstanding academic programs that foster active student participation through applied learning, research and social service;

A globally recognized hub for rigorous academic teaching, innovative research and quality publications in journals of international repute;

A globally recognized and socially meaningful podium of knowledge

generation and knowledge dissemination

A globally recognized nucleus for creating knowledge - based society with social cohesion;

A vibrant hub of cultural, sporting and extra-curricular activities where student's faculty and staff from vastly different backgrounds collaborate;

A socially-relevant think tank and vibrant hub of community transformation and economic growth through cultivating seeds of open-minded enquiry, especially with regard to major social and global issues;

A technological enabled campus with state-of the-art teaching, innovative research and management tools for stretching the boundaries of thought and experience.

Our future depends not on what will happen to us, but on what we decide to become and on the will to create it.

File Description	Documents
Paste link for additional information	https://www.rcpit.ac.in/about-us
Upload any additional information	View File

6.1.2 - The effective leadership is visible in various institutional practices such as decentralization and participative management.

The College follows the policy of decentralization;

1) The Governing Body delegates all the academic and operational decisions based on policy to the Academic Council headed by the Principal.

2) A team of faculty members and students coordinate the co-curricular and extra-curricular activities in the college.

3) The Head of departments regularly conduct meetings in which

aspects of the requirements of the departments such as equipment's, laboratory material, books, journal and other are discussed.

4) The department decides on timetable, subject allocation, maintenance of equipment and consumables, organizing guest lectures and workshops and recommends necessary industrial visits, in-plant trainings, and work towards achieving vision and mission of institute and department.

5) The management sanction/approved the budget in finance committee and principal communicate to concern departments.

The institute has effective leadership in participative management as

1) The Governing Body, Academic Council, Board of Studies, Finance Committee, IQAC and other statutory bodies are formulated as per participative structures provided by the Government, UGC, AICTE and the affiliating University.

2) The College makes sure that every faculty is involved in at least 2 or 3 committees of the college and representation from the student community is also ensured.

3) Through the Students Council, the students are actively to take decision making. The regular meetings and feedback of different stakeholders is also an indication of the participative management. A student quality peer team reports to the Principal every month.

This could be achieved through the following:

1. Departmental Affairs:

developing and accomplishing departmental missions and objectives within those of the university; establishing departmental policies; conducting departmental meetings; involving faculty members and students in departmental decision making and activities.

2. Academic Affairs:

Establishing departmental degree programs and curriculum, evaluating, updating and improving program curriculum, and the enforcing the quality of instruction.

3. Office Management:

Administering departmental facilities; hiring, supervising, evaluating staff personnel (secretaries, laboratory assistants); establishing file and record systems (faculty, students, courses, academic data, correspondence); maintaining equipment and other department properties; requisitioning supplies; ordering textbooks.

4. Personal professional performances:

Providing professional leadership and setting an example in the department; demonstrating professional competence in teaching, research, and other professional activities; participating in professional associations and community service, setting academic standards; preparing term schedules of courses.

5. Faculty Affairs:

? Recruiting and orienting new faculty members; supporting and encouraging high performance in teaching, research, conference attendance, seminars, workshops, and other professional activities;

? Enforcing faculty responsibilities and protecting faculty rights, evaluating faculty members and making documented recommendations to the dean for them. 6. Student Affairs:

? Facilitating a constructive environment to consolidate the program teaching and learning process.

? Curricular and career advising of students.

? Responding to student grievances and complaints.

? Certifying students for graduation.

6. Program Affairs:

? Arranging meetings with faculty to decide on further steps to improve the program

? Managing the essential funds for laboratory equipment, day to day functioning, other department social activities, etc. Executing the electrical engineering Program, alteration, and improvement proposed by program constituencies.

7. External communications:

conveying university policies and actions to the department, representing the department in the college, the university and all external agencies and communicating departmental programs and activities to students.

8. Budgetary affairs:

Preparing annual departmental budget requests; administering budgetary allocations (preparing requisitions, authorizing expenditures, maintaining budget records)

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	View File

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ perspective plan is effectively deployed

Curriculum Development: The development of Curriculum involves the suggestions/ recommendations of the regulatory bodies like Governing Body, Academic Council and IQAC, DTE and AICTE are incorporated at the earliest possible moment. Inputs provided by the faculty, subject experts, feedback form from Alumni students and current advancement in the subject are also taken in to account. Board of studies of the department propose the additions/ modification in the curriculum and the proposals are approved by the academic council of the university.

Teaching and Learning: The institute follows an academic calendar of DBATU & RCPIT own for all its academic activities. The students are provided course outlines and course schedules prior to the commencement of the academic session. The University makes all possible efforts to complete the curriculum with in the stipulated time frame and calendar. The university tries to shift the teaching learning process from teacher centric to students centric. Subject experts are invited for specialized inputs on regular basis.

Examination and Evaluation: An Examination department has been formed to reduce the error level in the tabulation and organizing the examinations. The theory examinations are held at a center which is situated in a college under DBATU Lonere University and Autonomous Institute RCPIT. The Institute follows computerized result processing system and error free results are published.

Immediately after publication of results the students are permitted to apply for scrutiny and re-totaling in the courses of their choice.

Research and Development: Research is undertaken inside the academic departments and research institute and centres, coordinating through departmental research councils under the overall guidance of the University Research Committee. It carries its mandate by developing policies, guidelines and processes that are required in the implementation of the University Research Strategy.

Library, ICT and Physical Infrastructure / Instrumentation: The Institute constantly and continually expands and upgrades the physical infrastructure from its own funds and funds received from UGC, DTE, AICTE, State Govt, and other funding agencies. The Central Library and E-Learning Center cater to the needs of all the students. The institute is committed to improve the teaching-learning process with modern aids. It has created smart-class rooms with Wi-Fi connectivity, Smart TV, projectors with latest technology. The library is digitalized with SLIM software and is connected with the main server up to the hostel via WiFi network so that students can access OPAC (Online Public Access Catalogue) through the hostel terminals. Reprographic facility has also been made available to the students and faculty members. Digitalization of the library has been successfully done. The library remains open for the entire duration of the college timing and provision is also made for 16 hrs access during University Examinations. The Library is self-sufficient with all the academic fulfillment and has a sound collection of books, National, International Journals, Educational CDs, DVDs and CBTs. Apart from this, the library is having E-Books, E-journals, E-Magazines, N-LIST (INFLIBNET), IIT Video Lectures (NPTEL), Institutional membership with IIT Bombay and DELNET membership IIL (IntraLibrary Loan) service.

Training and Placement: A goal of the Training and Placement department of the institute is that to focus overall development of staff and students. The department invites all MNC companies for recruitment of students. The department offers various programmes. The programmes include induction and orientation centered initiatives, training and professional development and career planning and development.

Industry Interaction / Collaboration: The institutes ties up with industry and makes MoU for the overall development of the teacher and student.

Admission of Students: Applications are invited from the eligible and registered candidates for the admissions to First Year Engineering and Direct Second Year Engineering to be filled at Institute Level on Merit Basis against likely vacancies after Govt. CAP Rounds.

File Description	Documents
Strategic Plan and deployment documents on the website	No File Uploaded
Paste link for additional information	Nil
Upload any additional information	View File

6.2.2 - The functioning of the institutional bodies is effective and efficient as visible from policies, administrative setup, appointment and service rules, procedures, etc.

Role of Top Management

- v To spread technical education in rural and urban areas.
- v To organize institution so that it can contribute to the overall development of nation and society.
- v Management defines the policies and strategies for Institute.
- v Management supports for progress of Institute by arranging necessary funds.
- v Through local management council meetings, Management have continuous interaction with Principal, and other members of the Institute.
- v Management motivates staff for overall development of the Institute.
- v To conduct program for the newly joined faculties to introduce them to the institute quality policies.

Role of Principal

Principal as an administrative and academic Head of the Institute shall be responsible for:

- v Academic growth of the Institute.

- v Participation in the teaching work, research and training programmes of the Institute.
- v Assisting in planning and implementation of academic programmes such as orientation courses, seminars and other training programmes organized by the Institute, for academic competence of the Faculty Members.
- v Admission of students and maintenance of discipline of the Institute.
- v Annual budget preparation for various departments as per their requirements and maintenance of accounts.
- v Observance of the Act, Statutes, Ordinances, Regulations, Rules and other Orders issued there under from time to time.
- v Maintenance of Service Books and looking after the general welfare of teaching and non-teaching staff.
- v Observance and implementation of directives issued by Government, authorities' viz. Director of Education/ Higher Education/ University / All India Council for Technical Education and other concerned authorities.
- v Timely submission of information/returns to different authorities' viz. Government/ University/ UGC / AICTE / Management etc. especially regarding Accounts matters. Appointing staff as per the requirement and procedure of the Institute.

Role of Faculty

- v Faculty has very important role in academics and students development. They have to prepare teaching plan, preparation of course material, conduct lectures, practical's and tutorials as per the timetable. Faculty conducts class tests, gives assignments and evaluates term work of the students.
- v Faculty organizes and coordinates various extra-curricular and co-curricular activities.
- v Faculty has to update regularly to cope up with the changing technology by attending conferences. They have to apply innovative teaching methods, active participation in research.

Perform departmental/Institute level work assigned by higher authority.

File Description	Documents
Paste link for additional information	Nil
Link to Organogram of the Institution webpage	Nil
Upload any additional information	View File

6.2.3 - Implementation of e-governance in areas of operation Administration Finance and Accounts Student Admission and Support Examination

A. All of the above

File Description	Documents
ERP (Enterprise Resource Planning) Document	No File Uploaded
Screen shots of user interfaces	No File Uploaded
Any additional information	No File Uploaded
Details of implementation of e-governance in areas of operation, Administration etc (Data Template)	View File

6.3 - Faculty Empowerment Strategies

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

The college has taken several welfare measures both for teaching and non-teaching staff such as employees provident fund, study leave, maternity leave, subsidized transport facility and AICTE scales of pay. The institution has set norms for professional development of faculty members and non- teaching staff by motivating to pursue higher studies, financial assistance to attend FDP, Conferences, Workshops, Seminars in their field of specialization, encouraging to attend and present research papers in National / International conferences and publishing research papers in referred journals. The institution assesses its faculty through a well-structured appraisal system. Faculties are encouraged to improve their performance. Measures are also taken to attract eminent faculty. Institute also provides immediate fund to staff in case of medical emergency. One

day salary of each staff get deducted as welfare fund is created and given so that incase of accidental death of any employee then welfare fund is given to the family members of that employee. The financial resources of the college are managed in a very effective and efficient manner. There are established procedures and processes for planning and allocation of financial resources. Statutory auditing is done at the end of each financial year.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	View File

6.3.2 - Number of teachers provided with financial support to attend conferences/ workshops and towards membership fee of professional bodies during the year

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

File Description	Documents
Upload any additional information	No File Uploaded
Details of teachers provided with financial support to attend conference, workshops etc during the year (Data Template)	No File Uploaded

6.3.3 - Number of professional development /administrative training programs organized by the institution for teaching and non-teaching staff during the year

6.3.3.1 - Total number of professional development /administrative training Programmes organized by the institution for teaching and non teaching staff during the year

6

File Description	Documents
Reports of the Human Resource Development Centres (UGCASC or other relevant centres).	No File Uploaded
Reports of Academic Staff College or similar centers	No File Uploaded
Upload any additional information	View File
Details of professional development / administrative training Programmes organized by the University for teaching and non teaching staff (Data Template)	View File

6.3.4 - Number of teachers undergoing online/face-to-face Faculty development Programmes (FDP) during the year (Professional Development Programmes, Orientation / Induction Programmes, Refresher Course, Short Term Course etc.)

6.3.4.1 - Total number of teachers attending professional development Programmes viz., Orientation / Induction Programme, Refresher Course, Short Term Course during the year

53

File Description	Documents
IQAC report summary	No File Uploaded
Reports of the Human Resource Development Centres (UGCASC or other relevant centers)	No File Uploaded
Upload any additional information	No File Uploaded
Details of teachers attending professional development programmes during the year (Data Template)	View File

6.3.5 - Institutions Performance Appraisal System for teaching and non- teaching staff

The Institute governing body plays an active role for evaluation of performance appraisal of the faculty. The staff having outstanding performance for consecutive 3 years will get prize of 50,000 while the staff below satisfactory level as penalty get warning to improve the performance. The outcomes of the performance appraisal will reflect in the annual increment.

Performance Appraisal System:

1. Performance appraisal process is carried out based on various Academic Performance Indices (API).
2. Performance appraisal consists of staff evaluation based on student feedback, subject result, workshop/conference/training program organized or attended/ research paper presented or published/grant received etc.
3. Performance evaluation of non-teaching staff is done by the Registrar and the respective heads of department.
4. As appreciation to effort made by the faculty members, Cash award of 25000/- is provided to respective department for securing Gold Medal in university result.

Appreciation certificate is given to the faculty who produce top results (subject taught) in the end of semester university examinations for their respective courses.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	View File

6.4 - Financial Management and Resource Mobilization

6.4.1 - Institution conducts internal and external financial audits regularly Enumerate the various internal and external financial audits carried out during the year with the mechanism for settling audit objections within a maximum of 200 words

The institute has established mechanism of both internal and external audits for all the financial activities carried out in the Institution every Year. Accounts department headed by finance officer (Accounts) maintains financial accounts daily and prepares all financial statements and submits them to all statutory bodies like AICTE, UGC and State Government as and when required. The institute has both Internal and External audit system.

Internal Audit: An internal auditor appointed by the parent trust executes the statutory audit. The name of the internal auditor is Mr. A. R. Shimpi. The internal financial audit is conducted in two sessions, one in the month of October/November for the period of April to September and second in the month of April /May for the

period of October to March. The audit is conducted on a Sampling basis to check the correctness of the financial transactions and statement affairs of the Institution. The auditor verifies Cashbook, Bank accounts, Ledgers, Bills, Vouchers, and statement of cash position and cash flow physically and conducts sample check on the heads of various accounts, balance dates, and postings.

External Audit:An external auditor appointed by the parent trust executes the statutory audit. The name of the external auditor is Mr. V. M. Rathi (CA). Internal. Finalization of the account is completed in June/July and audited statements are prepared in June/July duly signed by the Principal, and chartered accountant. An external audit is conducted, and the reports are submitted to the management. The account department ratifies these reports. Audit of funds received from Government and Non-Government research funding agencies, consultancy is duly done as per the guidelines of the funding agencies as and when required. No major objections are found in the audit by the internal and external auditors.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	View File

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

6.4.2.1 - Total Grants received from non-government bodies, individuals, Philanthropers during the year (INR in Lakhs)

File Description	Documents
Annual statements of accounts	No File Uploaded
Any additional information	No File Uploaded
Details of Funds / Grants received from of the non-government bodies, individuals, Philanthropers during the year (Data Template)	No File Uploaded

6.4.3 - Institutional strategies for mobilization of funds and the optimal utilization of resources

The institute mobilizes the funds received mainly from State

government, UGC, DTE, AICTE, and institute management on various heads of Expenditures of the institute. It is unaided an autonomous institute. Mostly, funds received from State government and trust of the institute are spent on payment of salary of teaching and non-teaching staff of the institute. Each and every amount of fund received from State government, government funding agency etc at par with budget allocation. Budget of the institute is prepared keeping in mind development of department, departmental laboratories for recurring and non-recurring wages of the institute; accordingly provisions are made in the Budget, which is prepared by a team of individual departmental teaching and non-teaching staff members under direct supervision of Head of the Department of the institute. Annual Budget Committee, is ultimately approved by Head of the Institute, and trust of the institute then fund is sanctioned, which is deployed on different Heads of Expenditures in accordance with approved departmental budget constituted by the institute time to time for efficient use of funds/grants received from government. The institute follows 100 percent transparency in use of funds. Further, grants received from UGC, AICTE, DTE etc are mainly earmarked for infrastructural related growth and developmental work of the institute. Individual department of the institute usually takes care of utilization of funds / grants, which are to be spent on different Plan periods under fixed schedule, target and time. The various funds and grants are spent after approval from Head of the institute and trust of the institute and various committees etc of the institute. All these committees are chaired by the head of the institute. The institute also mobilizes its resources from funds generated from Self-financing and Vocational courses run by the institute.

Resource mobilization is also carried out by following means:

- Students fees
- Students Scholarship
- Overhead charges from the research grants received from various government and nongovernment agencies.
- Funding from alumni donors

Fund generated from above are principally used for maintenance and development of institute.

Optimum utilization of funds is ensured through:-

- Adequate funds are allocated for effective teaching-learning practices that include Orientation Programmes, Workshops, Inter-disciplinary activities, training programmes, Refresher Courses that ensures quality education.
- Budget is utilized to meet day to day operational and administrative expenses and maintenance of fixed assets.
- Enhancement of library facilities needs to augment learning practices and accordingly requisite funds are utilized every year.
- Adequate funds are utilized for development and maintenance of infrastructure of the institute.
- Some funds are allocated for social service activities as part of social responsibilities through NSS and other social group. Main motto of resource mobilisation and optimal utilisation of resources is to put R. C. Patel Institute of Technology on bench mark in tune with quality teaching and unique growth of students.

File Description	Documents
Paste link for additional information	https://www.rcpit.ac.in/online-payment-of-fee
Upload any additional information	No File Uploaded

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

IQAC, RCPIT organizes workshops, training and webinars for faculty members periodically to upgrade the teaching learning process. It also promotes the use of online laboratories initiated by the government of India for different streams of engineering. Institutes also promote the faculties to attend the faculty development programs related to the development of e-content and use of e-resources during the pandemic. Institutes also promoted the faculty to complete the courses related to online education and content development on Coursera and Google platform. Institute also promotes the use of LMS systems with MOODLE and MS Teams.

File Description	Documents
Paste link for additional information	https://www.rcpit.ac.in/igac-meetings
Upload any additional information	No File Uploaded

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 and recorded the incremental improvement in various activities

IQAC, RCPIT has implemented the term test system to review the academic progress of students. Institutes also focus on academic progress of fast learners through periodic monitoring of top ten students after every test conduction. Institute actively engages the students in group discussion and academic presentation to boost the student's skills. Institute promotes the students to participate in curricular and extracurricular activities.

File Description	Documents
Paste link for additional information	https://www.rcpit.ac.in/igac-meetings
Upload any additional information	No File Uploaded

6.5.3 - Quality assurance initiatives of the institution include: Regular meeting of Internal Quality Assurance Cell (IQAC); Feedback collected, analyzed and used for improvements Collaborative quality initiatives with other institution(s) Participation in NIRF any other quality audit recognized by state, national or international agencies (ISO Certification, NBA)

B. Any 3 of the above

File Description	Documents
Paste web link of Annual reports of Institution	Nil
Upload e-copies of the accreditations and certifications	No File Uploaded
Upload any additional information	No File Uploaded
Upload details of Quality assurance initiatives of the institution (Data Template)	View File

INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 - Institutional Values and Social Responsibilities

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

R C Patel Institute of Technology sensitizes students and employees regarding gender equity and takes the social responsibility of reacting to the events happened society by various activities. The institute promotes gender equity in admissions, recruitment, administrative functionality and academic activities. The institution makes sincere efforts to women faculty and students. The Institute conducts programs and events at regular intervals in order to spread awareness about the issue.

The institute has constituted various committees with senior female faculty/staff members viz. Grievance Redressal cell, Anti-ragging committee separate Boys hostel and girls hostel committee and Sexual harassment committee or Internal Complaint Committee (ICC), as per rules and regulations of Statutory Authorities.

Separate Common rooms for boys and girls with basic facilities available in the institute. Counseling of girl as well as boy students is conducted in a regular manner by the lady faculty members of the above mentioned Committees.

File Description	Documents
Annual gender sensitization action plan	Nil
Specific facilities provided for women in terms of: a. Safety and security b. Counseling c. Common Rooms d. Day care center for young children e. Any other relevant information	Nil

7.1.2 - The Institution has facilities for alternate sources of energy and energy conservation measures Solar energy Biogas plant Wheeling to the Grid Sensor-based energy conservation Use of LED bulbs/ power efficient equipment

C. Any 2 of the above

File Description	Documents
Geo tagged Photographs	View File
Any other relevant information	No File Uploaded

7.1.3 - Describe the facilities in the Institution for the management of the following types of degradable and non-degradable waste (within 200 words) Solid waste management Liquid waste management Biomedical waste management E-waste management Waste recycling system Hazardous chemicals and radioactive waste management

Energy conservation:

- The college has gradually moved on from normal light bulbs (least required wattage) to tube lights, slim lights, CFLs, LEDs and the college also replaced most of the CRT monitor to LCD monitors & LCD monitors to LED monitors thus conserving energy is done.
- Solar water heating system is installed in Girls and Boys hostels. This has reduced the Electrical Energy Consumption.
- The UPS Batteries are maintained in good condition which reduces frequent charging of batteries and hence controls power utilization.
- Periodical equipment checking and monitoring is carried out to avoid excess power consumption.
- Design of College building is well architected so that the natural light is used in college premises.
- Lights and fans are turned off when rooms are unoccupied.

Efforts for Carbon neutrality:

- The college has planted adequate number of trees.
- The college campus is maintained green enough to ensure the carbon neutrality in this area.
- College observes no vehicle day on every Thursday.

Plantation:

- A good number of plants are planted in the college campus and nearby area by arranging tree plantation programs.
- Bamboo trees, Almond trees, various flowers & tree plantation have been done in the campus.
- Green lawns are maintained well with water sprinklers.

Hazardous waste management:

- Gas connection pipe line is designed by architect.
- Inverter batteries are replaced with the new batteries & old batteries are handover to the seller.
- Generator and oil section is covered with protective shield.
- Waste oil is dumped at the dumping yard.
- Chemistry laboratory waste generation is controlled by proper selection of practicals prescribed by University curriculum.
- Cement waste material in Civil engineering lab is used for footing in new construction.
- Iron waste from the mechanical workshop is send to the scrap centre.

E-waste management:

- E-waste is collected and stored carefully before it is handed over to the Shirpur Education Society.
- Old computer machines are donated to the Ashram schools of Shirpur Education Society. Since 2015 institution has a tie-up with HP in which old machines are sent back to the HP Company and new machines are received.
- Other old electrical, electronic devices are exchanged/sold to dealers/vendors.

E-project waste is collected & reused for new projects.

File Description	Documents
Relevant documents like agreements/MoUs with Government and other approved agencies	View File
Geo tagged photographs of the facilities	Nil
Any other relevant information	View File

7.1.4 - Water conservation facilities available in the Institution: Rain water harvesting Bore well /Open well recharge Construction of tanks and bunds Waste water recycling Maintenance of water bodies and distribution system in the campus

C. Any 2 of the above

File Description	Documents
Geo tagged photographs / videos of the facilities	View File
Any other relevant information	No File Uploaded

7.1.5 - Green campus initiatives include

7.1.5.1 - The institutional initiatives for greening the campus are as follows:

1. Restricted entry of automobiles
2. Use of Bicycles/ Battery powered vehicles
3. Pedestrian Friendly pathways
4. Ban on use of Plastic
5. landscaping with trees and plants

B. Any 3 of the above

File Description	Documents
Geo tagged photos / videos of the facilities	View File
Any other relevant documents	View File

7.1.6 - Quality audits on environment and energy are regularly undertaken by the institution

7.1.6.1 - The institutional environment and energy initiatives are confirmed through the following 1.Green audit 2. Energy audit

C. Any 2 of the above

3.Environment audit 4.Clean and green campus recognitions/awards 5. Beyond the campus environmental promotional activities

File Description	Documents
Reports on environment and energy audits submitted by the auditing agency	No File Uploaded
Certification by the auditing agency	No File Uploaded
Certificates of the awards received	No File Uploaded
Any other relevant information	View File

7.1.7 - The Institution has disabled-friendly, barrier free environment Built environment with ramps/lifts for easy access to classrooms. Disabled-friendly washrooms Signage including tactile path, lights, display boards and signposts Assistive technology and facilities for persons with disabilities (Divyangjan) accessible website, screen-reading software, mechanized equipment 5. Provision for enquiry and information : Human assistance, reader, scribe, soft copies of reading material, screen reading

B. Any 3 of the above

File Description	Documents
Geo tagged photographs / videos of the facilities	View File
Policy documents and information brochures on the support to be provided	No File Uploaded
Details of the Software procured for providing the assistance	No File Uploaded
Any other relevant information	No File Uploaded

7.1.8 - Describe the Institutional efforts/initiatives in providing an inclusive environment i.e., tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic and other diversities (within 200 words).

We trust in unity in diversity that's why our students respect the different religion, language and culture. We feel the college is our

second home and all faculties like a family member. We greet and wish each other at different festivals and invite them to have a feast to get introduced with ones culture to have amicable relations. Our students and faculties join religious, communal socioeconomic units like NSS, ISKON to maintain the religious, social and communal harmony.

Similarly our students also celebrate the different festivals with joy and enthusiasm which help them to implant the social and religious harmony.

The diversity in India is unique. Being a large country with large population. India presents endless varieties of physical features and cultural patterns. It is the land of many languages it is only in India people professes all the major religions of the world. To represent our Indian culture, on the eve of our college annual gathering we organize a traditional dress competition and fashion show. In this competition students wore the different attire representing the different states, religions and cultures. Through this activity students get acquainted with the different culture of our nation and help to develop the tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic and other diversities. This also creates the inclusive environment in the college and society.

File Description	Documents
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	View File
Any other relevant information	No File Uploaded

7.1.9 - Sensitization of students and employees of the Institution to the constitutional obligations: values, rights, duties and responsibilities of citizens

Our institution takes all possible initiatives in organizing various events and programmes for moulding the students and staff to become responsible citizens of the country by sensitizing them to the constitution of the country. As responsible citizens of the country the students are motivated to take part in various activities of the college. The college encourages the students to take part in blood donation camps, study tours at different places to understand human values. The college has arrange reading of the preamble of the constitution to enlightened the students about importance of the Indian constitution and how we must work in the direction of saving

our constitution. Director of institute appealed to all the staff and students to remember the struggle of freedom and respect the National Flag and National Anthem. The students also being the responsible citizens take many community services and provide services to mankind and society. The students have taken up many cleanliness drives both inside the campus and nearby villages considering it as a responsibility of every citizen. The students have also taken up Plantation drives to provide a clean and green environment for all. Swachh Bharat Abhiyan has also been an important initiative taken up by the college where we have organized an awareness rally for the students and took a tour in entire town to create awareness among all. The college has also conducted a voter awareness programme for all the students and was sensitized about their constitutional powers of voting. Our students across all UG courses study Constitution of India as a compulsory paper which sensitizes the students about constitutional obligations. Every year Republic day is Celebrated on 26th January by organizing activities highlighting the importance of Indian Constitution. Independence day is also celebrated each year to highlight the struggle of freedom and the importance of Indian constitution.

File Description	Documents
Details of activities that inculcate values; necessary to render students in to responsible citizens	View File
Any other relevant information	View File

7.1.10 - The Institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts periodic programmes in this regard. The Code of Conduct is displayed on the website There is a committee to monitor adherence to the Code of Conduct Institution organizes professional ethics programmes for students, teachers, administrators and other staff 4. Annual awareness programmes on Code of Conduct are organized

C. Any 2 of the above

File Description	Documents
Code of ethics policy document	View File
Details of the monitoring committee composition and minutes of the committee meeting, number of programmes organized, reports on the various programs etc., in support of the claims	No File Uploaded
Any other relevant information	No File Uploaded

7.1.11 - Institution celebrates / organizes national and international commemorative days, events and festivals

Institution celebrates/ organizes national commemorative days, events and festivals. It is an integral part of learning and building a strong cultural belief in a student. Therefore our institution celebrates these events with great enthusiasm to commemorate the ideology of nationalism and to pay tribute to our great National Leaders. So, the staff and students of the institution all come together under one umbrella to celebrate these occasions and spread the message of Unity, Peace, Love and Happiness throughout. For the current academic year, we have celebrated various days like World Environment Day, International Yoga Day, Independence Day, Republic Day, International Women's Day, National Science Day, Parakram Diwas and ?????? ?? ??????????.

Republic day- The institution celebrates Republic day on 26th January every year, commemorating the adoption of Indian constitution and spreading the message that India is the largest democratic country in the world. This is a day to remind the students about the constitution of the country and the need to abide by it at all times. The celebration includes the hoisting of national flag and spreading a warm message of nationalism in a speech by the Director sir.

Independence Day is celebrated every year on 15th of August, flag hoisting is organized and is celebrated to mark freedom of India from British rule. The institution encourages students to remember our national leaders and their sacrifices.

Gandhi Jayanti is celebrated every year on 2nd October to understand

the ideology of our great leader Mahatma Gandhi wherein pledge is taken by students and staff and we have organized a quiz on Gandhian thoughts. In today's times we inspire students of our institution to follow the Gandhian ideologies of truth and nonviolence and inspire them to contribute towards the peace and prosperity of the Nation.

Sadbhavana Diwas (National Unity Day) celebrated on 20th August every year to commemorate the birth Anniversary of Sardar Vallabh Bhai Patel. It aimed to pay tribute to him for his great efforts made to unite India. "Unity in Diversity" message was spread among students.

International Yoga day is celebrated on 21st June every year with the help of yoga Instructor. To aware students that how Yoga embodies unity of mind and body; thought and action; restraint and fulfilment.

Parakram Diwas was celebrated on 125th Birth Anniversary year of Netaji Subhas Chandra Bose. The objective is to remember Netaji's selfless service to the country and to inspire the students. Online session was conducted successfully.

????? ?? ???? ??????? August 15, 2022 is the 75th anniversary of India's independence. To make this golden moment unforgettable, various initiatives are being taken by the government before 75 weeks in advance. Under this, our institute has decided to conduct an online quiz on the lives of freedom fighters. It develops a sense of nationalism among the students.

File Description	Documents
Annual report of the celebrations and commemorative events for the last (During the year)	View File
Geo tagged photographs of some of the events	No File Uploaded
Any other relevant information	View File

7.2 - Best Practices

7.2.1 - Describe two best practices successfully implemented by the Institution as per NAAC format provided in the Manual.

Practice I

1. Title of Practice I: ICT based initiatives in teaching learning
2. The Goal:

The specific goals are:

- To inculcate in the faculty the technological competence to strengthen teaching learning.
- To promote ICT culture in the college.
- To supplement the traditional chalk and talk method by novel teaching approach.
- To make teaching and learning interdisciplinary by tapping resources available on internet.
- To make optimum use of the ICT facility in classroom practices

1. The Context:

- ICT makes teaching easier, student friendly, contently and interesting. It makes the classroom more and more responsive because it gives both audio and visual effect.
- Student understanding is enhanced because they comprehend whatever is taught.
- ICT based programs like MOOCS, NPTEL, etc. help to improve the teaching skills as well as it helps students for competitive exam preparation.

1. The Practice:

Institution has developed all classrooms are smart class rooms, well equipped with necessary infrastructure (Smart Board, LCD projectors, Audio/video aids with internet etc.). It is made mandatory for each teacher to deliver lectures as possible by preparing PPTs in an academic year. High speed internet facility is provided to all the departments in the college. Computers and Printers are also provided to many of them. IQAC convened meetings with the teachers and encouraged them to make optimum use of ICT facilities for making teaching learning more and more interesting.

The RCPIT's ICT based education ensures students and faculty to keep updated with latest technology and research trends through various tied-ups / associations like; Corsera, National Program on

Technological Enhance Learning (NPTEL- MHRD, New Delhi), Quality Enhancement in Engineering Education (QEEE- IIT Madras), Center for Distance Engineering Education Program (CDEEP- IIT Bombay and IIT Kharagpur).

On an average, 20-25 co-curricular courses are conducted per year using these platforms to update faculty and students' knowledge on latest trends in industrial technology. NPTEL videolectures are available at the college libraries which are used by both faculty and the students. For the students who are interested in PG studies, RCPIT has e-learning platform of various entrance examinations like; GRE, TOEFL and GATE. Students and faculty are encouraged for certification courses through Massive Open Access Courses (MOOCs). About 100 plus certifications per year have been completed by students and faculty.

RCPIT is one among the pioneer institutes who has tie-up with IIT Bombay from its' CDEEP program right from its inception. RCPIT has tie-up with IIT Kharagpur in terms of virtual classrooms and laboratories. RCPIT has also tie-up with IIRS, Dehradun for its EDUSAT programme It provides a suitable environment to improve and assist the learning and/or experimentation process contributing to an increase in the effectiveness of scientific research and widening the use of scarce or costly equipment.

To bring effective class room management and to be aware of different teaching methodologies, the college encourages the faculty to attend IIT Bombay Wipro sponsored FDP's and pedagogy programs

1. Evidence of success:

In this regard 10 of our faculty were awarded as best performers in ICT based 2 months workshop by IIT, Bombay and are invited to be resource persons for upcoming workshops. Beside this, RCPIT has developed its own virtual learning platform in collaboration with Amrita University for conducting multiple sessions. Institute's effort in ICT based education has been rewarded by many forums. For e.g. IIT Madras, has granted RCPIT a 'Partner' category for its QEEE program

(one among three institutes in Maharashtra) consecutively for three semesters.

Communicative competence of the students improved drastically because on viewing the PPTs and video clips, they naturally feel to

react on the issues.

1. Problems encountered & Resources required

ICT infrastructure is expensive and therefore requires massive investment.

Practice II

1. Title of Practice II: Promoting engineering education in tribal region.
2. The Goal: To bring the tribal students into the main stream of engineering education.

1. The Context: R. C. Patel Institute of Technology, Shirpur is situated in tribal region which has 48% tribal population as against the national average of 8%. That result in poor literacy of 64%. The students from tribal area are expected to be strong in academics and have good industrial exposure. Institute encourages them to adopt latest developments in engineering education.

1. The Practice: To attract these students towards technical education and to create awareness among the tribal student, R. C. Patel Institute of Technology, Shirpur has been arranging engineering counseling programs since 2006. In this counseling programs information related admission process, various scholarship schemes are made available for this category by central and state government. Institute motivates them to develop the skill, knowledge and attitude that are needed to make an effective start as member of the industrial profession. Institute also supports financially by offering concession in admission fee for economically backward students.

1. Evidence of success: As a result of that, in previous four year enrollment of tribal students and their passing percentage are steadily increasing.

Airbus, the Global Leader in Aeronautics, Space and the Global Engineering Dean Council (GEDC), the international organization for

leaders of schools and colleges of engineering has shortlisted The team of R. C. Patel Institute of Technology, Shirpur along with 10 teams from engineering stream around the world for fifth GEDC Airbus Award for Diversity in Engineering Education. This is the recognition of institute on the global platform for increasing enrollment of girl students and tribal students and also for making them successful and employable through Engineering Education.

1. Problems encountered & Resources required: Due to illiteracy and reluctant nature towards the technical education, it is quite difficult to convince these tribal students and parent to opt engineering education.

To overcome this problem institute effectively organizes one to one interaction program in which senior faculties guide tribal students as well as their parents in relevance to their career opportunity.

File Description	Documents
Best practices in the Institutional web site	No File Uploaded
Any other relevant information	View File

7.3 - Institutional Distinctiveness

7.3.1 - Portray the performance of the Institution in one area distinctive to its priority and thrust within 200 words

Objective of the college is to provide quality education in Teacher Education to the students from various parts of the society, to make them academically and globally competent. This objective is clearly reflected in the mission & vision statement. The college believes that professionals of this college should be not only academically sound but should also have values and strong professional ethics. In present era, problem of unemployment among educated youth. Therefore, the need for "Skill-based system of education" is becoming more important in present times. A couple of important initiatives taken at the institution towards skill-based education were the establishment of IIC (institute innovation counselling) Cell, motorsport club, the certificate course on German and Japanese Language. The RCPIT, Shirpur has also tie-up with international MOOC's platform like Coursera.

These initiatives help students to build their careers in the

selected areas. This is a big step towards diminution of the problem of educated unemployed youths in the state. For IIC cell and MOOC's certificate course, college have been signed MOUs with some of the top organization where students successfully complete activities. The RCPIT college also assists the successful students in getting lucrative placements across the country.

From this academic year our institute become an autonomous it help for excellence in academic performances, capability of self-governance and enhancement in the quality of education.

The college aims is to motivate the students to develop their hobbies and achieve success in life. The above activities are steps towards facilitating the students with the required knowledge, experience and exposure to pursue their dreams with gainful employment. With the skills gained, the student becomes more determined and confident in facing the future.

File Description	Documents
Appropriate web in the Institutional website	No File Uploaded
Any other relevant information	View File

7.3.2 - Plan of action for the next academic year

The teaching excellence at the Institute is inspirational for the young minds. In the environment of pandemic due to COVID- 19, the faculty members utilized e-learning modules when chalk-and-board teaching is not possible. Numerous Webinars on various beyond syllabus topics and digital events on extra-curricular activities were conducted for the next generation learning.

Now our Institute plans

1. To start a new course in the emerging field of engineering like Artificial Intelligence & Machine Learning with closure of one division of Mechanical Engineering.
2. To apply for NBA accreditation
3. To draft Autonomy syllabus as per guidelines given by AICTE.
4. To arrange Faculty Development Programs, Conferences, workshops

in institute for Teaching, Non-Teaching staff and students.

5. Encourage and motivate faculties to participate in different Sports and health related activities.

6. To implant Lecture captivating system(ERP-MasterSoft) in the institution for the purpose of blended learning

7. To have more industry academic interface so that there is more corporate participation in academic

8. Conducting student focused academic and skills development activities

9. To enhance students placement with higher package in MNCs.

10.To increase more number of patent filing, publishing and grant.

11. Knowledge creation and engagement with a wide range of issues of societies through major and minor projects.