

The Annual Quality Assurance Report (AQAR)

For

2017-18

Submitted to

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL
(*An Autonomous Institution of the University Grants Commission*)



**R. C. PATEL
INSTITUTE OF TECHNOLOGY**



Accredited with “A” Grade by NAAC

R C Patel Institute of Technology, Shirpur, Maharashtra

Established in 2001

The Annual Quality Assurance Report (AQAR)

Part – A

1. Details of the Institution

1.1 Name of the Institution

R C Patel Institute of Technology, Shirpur

1.2 Address Line 1

Near Nimzari Naka,

Address Line 2

Shahada Road,

City/Town

Shirpur Dist: Dhule

State

Maharashtra

Pin Code

425405

Institution e-mail address

principal@rcpit.ac.in

Contact Nos.

(02563) 259600, 259801

Name of the Head of the Institution:

Prof. Dr. J.B. Patil

Tel. No. with STD Code:

(02563) 259600

Mobile:

9923466699

Name of the IQAC Co-ordinator:

Pravin Laxmanrao Sarode

Mobile:

+91 9850008471

IQAC e-mail address:

pravinsarodercpit@gmail.com

1.3 NAAC Track ID (For ex. MHCOGN 18879)

MHCOGN 27464.

1.4 NAAC Executive Committee No. & Date:

(For Example EC/32/A&A/143 dated 3-5-2004)

This EC no. is available in the right corner- bottom
of your institution's Accreditation Certificate)

EC(SC)/28/A&A/73-1 Dtaed 30/10/2017

1.5 Website address:

www.rcpit.ac.in

Web-link of the AQAR:

http://www.rcpit.ac.in

For ex. <http://www.ladykeanecollege.edu.in/AQAR2012-13.doc>

1.6 Accreditation Details

Sl. No.	Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1	1 st Cycle	A	3.18	2017	29 OCT 2022
2	2 nd Cycle				
3	3 rd Cycle				
4	4 th Cycle				

1.7 Date of Establishment of IQAC :

DD/MM/YYYY

15/10/2015

1.8 AQAR for the year (for example 2010-11)

2017-18

1.9 Details of the previous year's AQAR submitted to NAAC after the latest Assessment and Accreditation by NAAC ((for example AQAR 2010-11 submitted to NAAC on 12-10-2011)

NA

1.10 Institutional Status

University State ☐ Central ☐ Deemed ☐ Private ☒

Affiliated College Yes ☒ No ☐

Constituent College Yes ☐ No ☒

Autonomous college of UGC Yes ☐ No ☒

Regulatory Agency approved Institution Yes ☒ No ☐

(eg. AICTE, BCI, MCI, PCI, NCI)

Type of Institution Co-education ☒ Men ☐ Women ☐

Urban ☒ Rural ☐ Tribal ☐

Financial Status Grant-in-aid ☐ UGC 2(f) ☒ UGC 12B ☒

Grant-in-aid + Self Financing ☐ Totally Self-financing ☒

1.11 Type of Faculty/Programme

Arts ☐ Science ☐ Commerce ☐ Law ☐ PEI (Phys Edu) ☐

TEI (Edu) ☐ Engineering ☒ Health Science ☐ Management ☐

Others (Specify)

1.12 Name of the Affiliating University (for the Colleges)

Dr. Babasaheb Ambedkar
Technological University, Lonere

1.13 Special status conferred by Central/ State Government-- UGC/CSIR/DST/DBT/ICMR etc

Autonomy by State/Central Govt. / University

University with Potential for Excellence	<input type="text"/>	UGC-CPE	<input type="text"/>
DST Star Scheme	<input type="text"/>	UGC-CE	<input type="text"/>
UGC-Special Assistance Programme	<input type="text"/>	DST-FIST	<input type="text"/>
UGC-Innovative PG programmes	<input type="text"/>	Any other (<i>Specify</i>)	Grade A Institute in North Maharashtra University, Jalgaon
UGC-COP Programmes	<input type="text"/>		

2. IQAC Composition and Activities

2.1 No. of Teachers	<input type="text" value="15"/>												
2.2 No. of Administrative/Technical staff	<input type="text" value="03"/>												
2.3 No. of students	<input type="text" value="02"/>												
2.4 No. of Management representatives	<input type="text" value="01"/>												
2.5 No. of Alumni	<input type="text" value="02"/>												
2. 6 No. of any other stakeholder and community representatives	<input type="text" value="02"/>												
2.7 No. of Employers/ Industrialists	<input type="text" value="04"/>												
2.8 No. of other External Experts	<input type="text" value="04"/>												
2.9 Total No. of members	<input type="text" value="33"/>												
2.10 No. of IQAC meetings held	<input type="text" value="06"/>												
2.11 No. of meetings with various stakeholders:	<table border="0"> <tr> <td>No.</td> <td><input type="text" value="06"/></td> <td>Faculty</td> <td><input type="text" value="03"/></td> </tr> <tr> <td>Non-Teaching Staff</td> <td><input type="text" value="02"/></td> <td>Students</td> <td><input type="text" value="01"/></td> </tr> <tr> <td>Others</td> <td><input type="text" value="NIL"/></td> <td></td> <td></td> </tr> </table>	No.	<input type="text" value="06"/>	Faculty	<input type="text" value="03"/>	Non-Teaching Staff	<input type="text" value="02"/>	Students	<input type="text" value="01"/>	Others	<input type="text" value="NIL"/>		
No.	<input type="text" value="06"/>	Faculty	<input type="text" value="03"/>										
Non-Teaching Staff	<input type="text" value="02"/>	Students	<input type="text" value="01"/>										
Others	<input type="text" value="NIL"/>												
2.12 Has IQAC received any funding from UGC during the year?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>												
If yes, mention the amount	<input type="text"/>												
2.13 Seminars and Conferences (only quality related)													

(i) No. of Seminars/Conferences/ Workshops/Symposia organized by the IQAC

Total Nos. International National State Institution Level

(ii) Themes

1. National Conference on Advances in Mechanical Engineering (NCAME) -2018
2. National Conference on Advances in Communication & Computing (NCACC) -2018
3. National Conference on Emerging Trends in Computer Technology (NCETCT) -2018
4. National Conference on Emerging Trends in Information Technology (NCETIT) -2018
5. National Conference on Emerging Trends in Civil Engineering (NCETCE) -2018
6. Converges -2018 -(Technical Symposium)

2.14 Significant Activities and contributions made by IQAC

1. Encourage staff to publish research paper in national and international journals
2. Awareness of MOOCs based Teaching Learning
3. Promoting MOODLE based teaching learning platform
4. Promotion of Internships amongst UG students
5. Promoting Industry /Institute Interaction

2.15 Plan of Action by IQAC/Outcome

Action plan is chalked out by the IQAC in the beginning of the year towards quality enhancement and the outcome achieved by the end of the year

Plan of Action	Achievements
Plan to organize National Conference for Teachers & Research Scholars	National Conference were Organized for the Research Scholars, Teaching Staff , PG Students, Industry Persons in the area of Mechanical Engineering ,Computer Engineering, Civil, IT and Electronics and Telecommunication Engineering on 25th June 2018
Plan to organize Technical Fest for Students	State Level Symposium (Converges 2018) is organised for the Under Graduate Students on 23 rd March 2018
Plan to enhance Industry Institute Interaction activities	Regular Industry-Institute-Interaction have been conducted by inviting Technical Experts to deliver technical lectures to the students, to update their knowledge regarding advance technology.
Plan to promote ICT base Teaching - learning System	1.Conducted IIT Bombay X workshops: FDP201x Pedagogy for Online and Blended Teaching-Learning Process 3 rd May 2018 to 18 th June 2018 and FDP101x Foundation Program in ICT for Education 8 th March 2018 to 17 th April 2018. 2.Institute has implemented MOODLE based teaching learning platform is being used for Students

Encourage staff to submit research proposals for funding	Submitted proposals to seek funding from different finding agencies like university, UGC and AICTE .

2.15 Whether the AQAR was placed in statutory body Yes ☒ No ☐

Management ☒ Syndicate ☐ Any other body ☐

Provide the details of the action taken

1. The management and IQAC members approved the Annual Quality Assurance Report (AQAR) after a discussion over the activities planned and conducted.
2. Measures were suggested to strengthen the on-campus placement

Part – B

Criterion – I

1. Curricular Aspects

1.1 Details about Academic Programmes

Level of the Programme	Number of existing Programmes	Number of programmes added during the year	Number of self-financing programmes	Number of value added / Career Oriented programmes
PhD	2	--	2	--
PG	--	--	--	--
UG	5	--	5	--
PG Diploma	--	--	--	--
Advanced Diploma	--	--	--	--
Diploma	--	--	--	--
Certificate	--	--	--	--
Others	--	--	--	--
Total	7	--	7	--
Interdisciplinary	--	--	--	--
Innovative	--	--	--	--

1.2 (i) Flexibility of the Curriculum: CBCS/Core/Elective option / Open options

(ii) Pattern of programmes:

Pattern	Number of programmes
Semester	05
Trimester	--
Annual	--

1.3 Feedback from stakeholders* Alumni ☒ Parents ☒ Employers ☒ Students ☒
(On all aspects)

Mode of feedback : Online ☒ Manual ☒ Co-operating schools (for PEI) ☐

1.4 Whether there is any revision/update of regulation or syllabi, if yes, mention their salient aspects.

No, Institute is affiliated to university

1.5 Any new Department/Centre introduced during the year. If yes, give details.

No

Criterion – II

2. Teaching, Learning and Evaluation

2.1 Total No. of permanent faculty

Total	Asst. Professors	Associate Professors	Professors	Others
123	108	13	02	

2.2 No. of permanent faculty with Ph.D.

11

2.3 No. of Faculty Positions Recruited (R) and Vacant (V) during the year

Asst. Professors		Associate Professors		Professors		Others		Total	
R	V	R	V	R	V	R	V	R	V
4	0	0	14	0	10				

2.4 No. of Guest and Visiting faculty and Temporary faculty

25

2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended	50		
Presented papers	50		
Resource Persons			

2.6 Innovative processes adopted by the institution in Teaching and Learning:

Following are the Innovative processes adopted by the institution in Teaching and Learning

1. Foundation Bridge Course

- To overcome weakness in fundamental knowledge and skills, institute conducts a 10 day program on basic engineering subjects like; Mathematics, Physics, Chemistry carried out by in-house faculty.
- Professional training on English language is given by professional organizations.

2. Project Based Learning (PBL)

- PBL is Introduced to help the students for selecting projects aligned with their passions and that can solve real life problems

3. Innovative Goal Setting

- Actively involving teachers to achieve personal & Institutional goals. According to teachers' choice, different goals are allotted to them like Research development, Higher Studies, Entrepreneurship development, ICT based education, Employability Development etc.

4. ICT based learning

- Institute promotes strongly use of ICT base teaching learning tools. Presently Teachers are using Many Innovative ICT base Tools Such as MOOCS,(NPTEL, Swayam, EDx, Coursera,) , Virtual Classroom such as QEEE-IIT Madras, CDEEP- IIT Bombay, IIT Kharagpur and IIRS Dehradun.

5. Employability Development Program

- To make the candidates employable institute conduct soft skill development program.
- Add-on courses are conducted like, Japanese (JLPT) and German Language learning, CCNA, Software Testing, C, C++, Java, Android, Digital Marketing, CPLC, CAITA, ANSYS, NX etc.

2.7 Total No. of actual teaching days during this academic year

234

2.8 Examination/ Evaluation Reforms initiated by the Institution (**As the Institute is affiliated to D BATU University**)

NA

2.9 No. of faculty members involved in curriculum restructuring/revision/syllabus development as member of Board of Study/Faculty/Curriculum Development workshop

5

44

2.10 Average percentage of attendance of students

84 %

2.11 Course/Programme wise distribution of pass percentage:

Title of the Programme	Total no. of students appeared	Division (CGPA)				
		Above 9	Above 8-9	Above 7-8	Above 6-7	Above 5-6
Computer	134	01	26	64	41	02
E & TC	75	02	17	37	16	01
Mechanical	210	4	38	101	41	-
Electrical	68	-	16	34	18	-
Civil	78	02	21	31	18	-

2.12 How does IQAC Contribute/Monitor/Evaluate the Teaching & Learning processes:

1. Online Feedback from present students at mid and end of semester.
2. By conducting periodical Sessional Examination.
3. Evaluation of faculty on the basis of API.

2.13 Initiatives undertaken towards faculty development

<i>Faculty / Staff Development Programmes</i>	<i>Number of faculty benefitted</i>
Refresher courses	40
UGC – Faculty Improvement Programme	66
HRD programmes	50
Orientation programmes	
Faculty exchange programme	
Staff training conducted by the university	
Staff training conducted by other institutions	8
Summer / Winter schools, Workshops, etc.	76
Others	

2.14 Details of Administrative and Technical staff

Category	Number of Permanent Employees	Number of Vacant Positions	Number of permanent positions filled during the Year	Number of positions filled temporarily
Administrative Staff	23	0	0	0
Technical Staff	34	0	0	0

Criterion – III

3. Research, Consultancy and Extension

3.1 Initiatives of the IQAC in Sensitizing/Promoting Research Climate in the institution

- To encourage the faculty members to prepare research proposals
- To encourage faculty and students to publish papers in reputed journals and conferences
- To instruct faculties and students to follow rules regarding plagiarism.
- To organize Seminars / Conferences/ Workshops in the relevant areas.
- To encourage the faculty to do Ph.D.
- To encourage the number of patents and IPRs.
- Motivate faculty and students to design and fabricate and implement viable functional projects for the benefits of institution and society.

3.2 Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number	0	0	0	0
Outlay in Rs. Lakhs	0	0	0	0

3.3 Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number	8	12	0	12
Outlay in Rs. Lakhs	5.32	5.3	0	5.648

3.4 Details on research publications

	International	National	Others
Peer Review Journals	97	0	0
Non-Peer Review Journals		0	0
e-Journals	97	0	0
Conference proceedings	44	6	0

3.5 Details on Impact factor of publications

Range Average h-index in SCOPUS Nos.of Pub. SCOPUS

3.6 Research funds sanctioned and received from various funding agencies, industry and other organisations

Nature of the Project	Duration Year	Name of the funding Agency	Total grant sanctioned	Received
Major projects			-	
Minor Projects			-	
Interdisciplinary Projects			-	
Industry sponsored			-	
Projects sponsored by the University/ College			-	
Students research projects <i>(other than compulsory by the University)</i>	2017-18	RCPIT	11.95 lakhs	11.95 lakhs
Any other(Specify)			-	
Total			-	

3.7 No. of books published i) With ISBN No. Chapters in Edited Books

ii) Without ISBN No.

3.8 No. of University Departments receiving funds from

UGC-SAP CAS DST-FIST
DPE DBT Scheme/funds

3.9 For colleges Autonomy CPE DBT Star Scheme
INSPIRE CE Any Other (specify)

3.10 Revenue generated through consultancy

3.11 No. of conferences	Level	International	National	State	University	College
organized by the	Number	0	5	1(Conveges)	0	0
Institution	Sponsoring agencies	0	0	0	0	0

3.12 No. of faculty served as experts, chairpersons or resource persons

3.13 No. of collaborations International National Any other

3.14 No. of linkages created during this year

3.15 Total budget for research for current year in lakhs:

From Funding agency

From Management of University/College

Total

3.16 No. of patents received this year

Type of Patent		Number
National	Applied	0
	Granted	0
International	Applied	2
	Granted	1
Commercialised	Applied	0
	Granted	0

3.17 No. of research awards/ recognitions received by faculty and research fellows
Of the institute in the year

Total	International	National	State	University	Dist	College
9		8	0	1	0	0

3.18 No. of faculty from the Institution
who are Ph. D. Guides
and students registered under them

3.19 No. of Ph.D. awarded by faculty from the Institution

3.20 No. of Research scholars receiving the Fellowships (Newly enrolled + existing ones)

JRF SRF Project Fellows Any other

3.21 No. of students Participated in NSS events:

University level State level
National level International level

3.22 No. of students participated in NCC events:

University level State level
National level International level

3.23 No. of Awards won in NSS:

University level	<input type="text"/>	State level	
National level	<input type="text"/>	International level	<input type="text"/>

3.24 No. of Awards won in NCC:

University level	<input type="text"/>	State level	<input type="text"/>
National level	<input type="text"/>	International level	<input type="text"/>

3.25 No. of Extension activities organized

University forum	<input type="text"/>	College forum	<input checked="" type="checkbox"/>	
NCC	<input type="text"/>	NSS	<input checked="" type="checkbox"/>	Any other <input type="text"/>

3.26 Major Activities during the year in the sphere of extension activities and Institutional Social Responsibility

- Blood donation camp organized by Institute.
- Cloth donation to poor and needy people on 26/01/2018 organized by Institute.
- Swatch Bharat awareness in nearby areas.
- Educational Tour of all departments organized by Institute as academic curriculum.
- Avishkar orientation workshop.

Criterion – IV

4. Infrastructure and Learning Resources

4.1 Details of increase in infrastructure facilities:

Facilities	Existing	Newly created	Source of Fund	Total
Campus area	87735 sq. m		College Management	87735 sq. m
Class rooms	2485 sq.m		College Management	2485 sq.m
Laboratories	4378 sq.m		College Management	4378 sq.m
Seminar Halls	684 sq.m		College Management	684 sq.m
No. of important equipments purchased (\geq 1-0 lakh) during the current year.		34		
Value of the equipment purchased during the year (Rs. in Lakhs)		84.7 Lakhs		
Others				

4.2 Computerization of administration and library

<ul style="list-style-type: none"> Institute library offers computerized catalogue search services through the Web OPAC (http://library/w27/ available on Intranet). Institute library has (DELNET & N-List) memberships for electronic resource management. Institute library is fully automated using SLIM 21 (System for Library Information and Management) software. Institute library has IIT Bombay Educational Institute membership.

4.3 Library services:

	Existing		Newly added		Total	
	No.	Value	No.	Value	No.	Value
Text Books Including Reference	31528	12639070	55	450289	31583	13089359
e-Books	DELNET- 1683 N-List- 31 Lakh NDL- 7 Lakh					
Journals	61	163074	74	179573	135	342647
e-Journals	DELNET- 37847 N-List- 3537 NDL- 3 Lakh					

Digital Database (e-Books & e-Journals/ E-Resources)	2	17400	2	19400	4	36800
CD & Video	1100	Free			1100	Free
IIT Bombay & NPTEL Videos	2	110000	1	30000	3	140000

4.4 Technology up gradation

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Depart -ments	Others
Existing	661	13	155 Mbps	13	1	1	05	
Added	0	0	0	0	0	0	0	0
Total	661	13	155 Mbps	13	1	1	05	

4.5 Computer, Internet access, training to teachers and students and any other programme for technology upgradation (Networking, e-Governance etc.)

- Training was given to teachers and students on accessing e-journals. NDL (National Digital Library):

4.6 Amount spent on maintenance in lakhs:

i) ICT	46,23,224/-
ii) Campus Infrastructure and facilities	62.311264
iii) Equipments	46,77,282
iv) Others	647.31973
Total:	697145124

Criterion – V

5. Student Support and Progression

5.1 Contribution of IQAC in enhancing awareness about Student Support Services

1. Orientation sessions is conducted for the newly admitted students.
2. Internet facility with Wi-Fi connectivity is made available throughout the campus.
3. Library is equipped with various Text books, References, Journals.
4. Placement & Training Cell organizes various training programmes to mould the students with core competency and employability.
5. Grievances and Redressal cell is in place.

5.2 Efforts made by the institution for tracking the progression

1. Tracking the progress of students through the regular sessional exams.
2. Remedial coaching for weaker students.
3. Bridge / extra lectures for better understanding.
4. A well-structured faculty-student-mentoring system is in place.
5. Department meetings are being conducted after every sessional exam with the top 10 students to solve their problems.
6. Analysis of results after each sessional & university exam is done

5.3 (a) Total Number of students

UG	PG	Ph. D.	Others
2256		18	

(b) No. of students outside the state

06

(c) No. of international students

Men	No	%	Women	No	%
	1602	71.01		654	28.99

Academic Year (2017-18)					
General	SC	ST	OBC	Physically Challenged	Total
816	113	66	1241	0	2256

Demand ratio

Dropout % 10.17 %

5.4 Details of student support mechanism for coaching for competitive examinations (If any)

- Institute organizing the coaching classes for the students to face competitive examinations like GATE etc.
- Foreign language Training Program (Japanese & German) organized for N5 Level Japanese course.

No. of student's beneficiaries

118

5.5 No. of students qualified in these examinations

NET	0	SET/SLET	0	GATE	2	CAT	0
IAS/IPS etc	0	State PSC	0	UPSC	0	Others	0

5.6 Details of student counselling and career guidance

Counselling

1. Counselling is provided to the students as a psychological support.
2. Monthly a period is allocated in the time table for student counseling, students are encouraged to convey their grievances and needs more freely to the local guardians.
3. Local Guardians deal with all the students having social, economic and personal problems.

Career guidance

1. Institute organizes programmes to create awareness on the importance of higher studies in India and abroad.
2. Institute organizes coaching classes for competitive exams such as GATE, to counsel them for higher studies.
3. To give ideas for preparing the materials for exams Students are given guidance for Entrepreneurship.

No. of students benefitted

1695

5.7 Details of campus placement

<i>On campus</i>			<i>Off Campus</i>
Number of Organizations Visited	Number of Students Participated	Number of Students Placed	Number of Students Placed
42	410	255	60

5.8 Details of gender sensitization programmes

- Personality Development Programme was conducted for female students.
- Yoga for mind and physical fitness Programme was organized for female students of our college.
- Under the forum of Yuvati Sabha 50 girl students were trained under Self Defense program (karate Training).

5.9 Students Activities

5.9.1 No. of students participated in Sports, Games and other events

State/ University level National level International level

No. of students participated in cultural events

State/ University level National level International level

5.9.2 No. of medals /awards won by students in Sports, Games and other events

Sports: State/ University level National level International level

Cultural: State/ University level National level International level

5.10 Scholarships and Financial Support

	Number of students	Amount
Financial support from institution	19	32,83472/-
Financial support from government	1785	10,54,0017/-
Financial support from other sources		
Number of students who received International/ National recognitions		

5.11 Student organised / initiatives

Fairs: State/ University level National level International level

Exhibition: State/ University level National level International level

5.12 No. of social initiatives undertaken by the students

5.13 Major grievances of students (if any) redressed:

Suggestion boxes are kept for the students to write and drop describing their grievances. No such untoward incidence has occurred so far.

Criterion – VI

6. Governance, Leadership and Management

6.1 State the Vision and Mission of the institution

Vision

To achieve excellence in engineering education with strong ethical values.

Mission

To impart high quality Technical Education through:

- Innovative and Interactive learning process and high quality instructional programs.
- Fostering a scientific temper among students by means of a liaison with the Academia, Industries and Government.
- Preparing students from diverse backgrounds to have attitude for research and spirit of Professionalism.
- Inculcating in students a respect for fellow human beings and responsibility towards the society.

6.2 Does the Institution has a management Information System

Yes. The Institution has a management Information System through CIMS software. The IT support team of our college designed and executed a system for online student feedback and has also developed software to manage student admissions.

6.3 Quality improvement strategies adopted by the institution for each of the following:

6.3.1 Curriculum Development

Since the Institution is an affiliated Engineering College under North Maharashtra University, Jalgaon and DBATU (Dr. Babasaheb Ambedkar Technical University, Lonere) the curriculum and syllabi of the affiliated University have been adopted. The parent University revises the syllabi of the programmes in a regular cycle of five years.

6.3.2 Teaching and Learning

Semester Pre-Commencement Preparations

- Departmental Academic Calendar
- Lecture plans
- Course learning Objectives and Course Outcomes
- Topic learning Objectives and Outcomes
- Lecture notes
- Updating the library with appropriate books as suggested by the faculty-
- Modifying the laboratories to cater for the needs of revised syllabus and new technology.

Monitoring the teaching process through

- Online feedback from students (Mid semester and end semester)
- Result analysis at the end of semester examination.

Addressing issues of individual student

- Remedial classes for slow learners
- Personal guidance to students approaching with difficulties
- Mentoring of students to motivate

Addressing issues related to course

- To bridge the curricular gap bridge course is conducted for first year students.
- Extra lectures also tutorial are allocated in the time table for courses of difficult nature.
- Teaching methodology workshops are conducted
- Expert lectures are conducted on topics related to the course, but, outside the syllabus

Addressing issues of faculty

- Course assignment as per Competency.
- Mentoring and guidance to faculty for a course handled by him/her by senior/competent faculty

6.3.3 Examination and Evaluation

- Examinations are conducted as per rule and regulations of NMU & DBATU. Evaluation of Internal Marks is done based on Continuous assessment of students' performance through credit tests, assignments, seminars and projects.
- Evaluation of all theory examination is done at various CAP center of university.

6.3.4 Research and Development

The college has a research and development committee to coordinate the activities related to research. The committee is headed by the principal with faculty members having Ph.D. qualification as its members.

- Two departments of college Computer and E & Tc are recognized as research centers.
- Incentives for research publications and research projects are provided
- Institution provides seed money for research activities.

6.3.5 Library, ICT and physical infrastructure / instrumentation

- The college boosts a well-stocked and digitalized central library with college and department-wise division to ensure easy, quick and efficient access to desired data.
- OPAC Software is provided for personal assistance to each and every user while accessing the library books
- 24x7 Wi-Fi facility is provided for the students to use their laptops in the college premises.
- The college campus has been monitored with CCTV facility for vigilance.
- ICT enabled class rooms

6.3.6 Human Resource Management

- Workforce planning
- Recruitment
- Creating and Maintaining data base for all faculties.
- Scanning of service books and other mandatory documents

6.3.7 Faculty and Staff recruitment

The following procedure has been adopted for faculty and staff recruitment:

- Public Advertisement through National dailies.
- Formation of expert committee with the composition of members as recommended by the University
- Expert committee interview for the candidates.
- Issue of appointment letter.

6.3.8 Industry Interaction / Collaboration

- Institute has promoted industry & academic associations by establishing e-yantra robotics laboratory in association with IIT, Bombay and Wipro Technologies industrial laboratory for making small projects.
- Institute invites industry resource person to deliver lectures, seminars on industrial development issues and to deliver domain specific technological interaction.
- Institute also motivates students to take part in industry oriented competitions like Tata Consultancy Services (TCS) Codevita, TCS Testimony, KPIT Sparkle, Capgemini Technext. etc. to make them industry ready.
- Institute has a tie-up with many reputed industries like TCS, Persistent, Wipro, etc.
- Institute Provides Internship opportunities for students during Summer / Winter Vacation.
- Industrial visits for Final Year Students

6.3.9 Admission of Students

- Admission procedure is adopted as per rules and regulations laid down by Directorate of Technical Education (DTE), Government of Maharashtra State. DTE published admission notification time to time in all well known national and regional daily newspapers.
- The advertisements for admission to different courses are published by Institute in all well known newspapers from time to time. The advertisement contains detailed information about different courses, eligibility norms, process of admission, academics as well as facilities provided by institute.
- The advertisements for admission are broadcasted by Institute on radio stations, and Institute website: <http://www.rcpit.ac.in>
- Institute organizes awareness / counseling workshops for admission process to 12th appearing students and their parents, faculties and stakeholders.

6.4 Welfare schemes for

Teaching	YES
Non teaching	YES
Students	YES

6.5 Total corpus fund generated

1,20,60,890/-

6.6 Whether annual financial audit has been done

Yes ☒ No ☐

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

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	yes	University	Yes	IQAC
Administrative	Financial Audit is done every year	External Auditor	Yes	Internal Auditor

6.8 Does the University/ Autonomous College declare results within 30 days?

For UG Programmes Yes ☒ No ☐
 For PG Programmes Yes ☐ No ☐

6.9 What efforts are made by the University/ Autonomous College for Examination Reforms?

University Reforms:

- Digital scanning & Onscreen Evaluation.
- Results are published through internet within 45 days from examination.
- Provisions for photocopy of answer paper and revaluation.

Institute Reforms:

- Assignments and Tutorials on each unit prescribed in the university syllabus
- Unit wise sessional test
- The examination is conducted under the surveillance of CCTV.

6.10 What efforts are made by the University to promote autonomy in the affiliated/constituent colleges?

Not Applicable

6.11 Activities and support from the Alumni Association

- Alumni database is maintained properly in the department.
- Institute is continuously in touch with alumni by inviting them for expert lectures, seminars, conferences and workshops.
- Distinguished alumni are invited for the Converges, Gathering.
- Alumni meet is conducted regularly
- Alumni's at higher positions are guiding the final year students about employment & career opportunities.

6.12 Activities and support from the Parent – Teacher Association

- Parent – Teacher Meet is organized by all departments of the institute where teachers will give the feedback about their wards in the areas of academic, curricular, co-curricular and behavioural aspects.
- Suggestions are also received from the parents for the improvement of the institution according we try to implements them.

6.13 Development programmes for support staff

Support staffs were given special training to operate ERP software of College

6.14 Initiatives taken by the institution to make the campus eco-friendly

- Prohibiting smoking and making a tobacco-free campus
- Tree plantation
- Institute conducts Green Audit of its campus

Criterion – VII

7. Innovations and Best Practices

7.1 Innovations introduced during this academic year which have created a positive impact on the functioning of the institution. Give details.

1. Academic innovations to improve teaching learning by creating Provision for Semester Internship
2. Facebook Groups and What's app groups for better communication
3. Paperless circulation of notices

7.2 Provide the Action Taken Report (ATR) based on the plan of action decided upon at the beginning of the year

- Extra classes were conducted for the students who are appearing for the competitive examinations.
- Innovative Projects carried out by the students enabled them to participate and win in several technical contests.
- Guest faculty were invited from industry to interact with students on content other than the curriculum.

7.3 Give two Best Practices of the institution (*please see the format in the NAAC Self-study Manuals*)

1. ICT based initiatives in teaching learning

Institution has developed all classrooms are smart class rooms, well equipped with necessary infrastructure (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; 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).

2. Promoting engineering education in tribal region

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.

7.4 Contribution to environmental awareness / protection

- Tree plantation were done in and out of campus
- Environmental Awareness Programmes (Rally / Seminar) conducted
- Rain water harvesting concept is introduced.
- Use of plastic bags is prohibited in campus.

7.5 Whether environmental audit was conducted? Yes ☒ No ☐

7.6 Any other relevant information the institution wishes to add. (for example SWOT Analysis)

SWOT analysis is carried out in all the disciplines.

8. Plans of institution for next year

- Publishing research papers and articles in peer reviewed journals.
- Increasing number of MoU's with industrial organizations
- Apply for more Minor and Major research projects and seminars grants
- Encourage the research culture among the Faculty
- Start the Centre of Excellence in all branches
- To establish Makers Lab
- Foreign Language training center

Name _____

Name _____

Signature of the Coordinator, IQAC

Signature of the Chairperson, IQAC

_____*_*_*____

Abbreviations:

CAS	-	Career Advanced Scheme
CAT	-	Common Admission Test
CBCS	-	Choice Based Credit System
CE	-	Centre for Excellence
COP	-	Career Oriented Programme
CPE	-	College with Potential for Excellence
DPE	-	Department with Potential for Excellence
GATE	-	Graduate Aptitude Test
NET	-	National Eligibility Test
PEI	-	Physical Education Institution
SAP	-	Special Assistance Programme
SF	-	Self Financing
SLET	-	State Level Eligibility Test
TEI	-	Teacher Education Institution
UPE	-	University with Potential Excellence
UPSC	-	Union Public Service Commission
