Yearly Status Report - 2018-2019

Part A	
Data of the Institution	
1. Name of the Institution	**SHRI RAMDEOBABA COLLEGE OF ENGINEERING AND MANAGEMENT, NAGPUR**
Name of the head of the Institution	**Dr. Rajesh S. Pande**
Designation	**Principal**
Does the Institution function from own campus	**Yes**
Phone no/Alternate Phone no.	**0712-2580011**
Mobile no.	**9822224468**
Registered Email	**rcoem@rknec.edu**
Alternate Email	**principal@rknec.edu**
Address	**Shri Ramdeobaba College of Engineering and Management, Ramdeo Tekdi, Katol Road, Nagpur**
City/Town	**Nagpur**
State/UT	**Maharashtra**

Pincode	440013

2. Institutional Status

Autonomous Status (Provide date of Conformant of Autonomous Status)	26-Mar-2011
Type of Institution	Co-education
Location	Urban
Financial Status	Self financed
Name of the IQAC co-ordinator/Director	Dr. (Mrs.) Meghana A. Hasamnis
Phone no/Alternate Phone no.	07122580011
Mobile no.	9373284084
Registered Email	iqac@rknec.edu
Alternate Email	hasamnisma@rknec.edu

3. Website Address

Web-link of the AQAR: (Previous Academic Year)	http://www.rknec.edu/AQAR2017-18.pdf

4. Whether Academic Calendar prepared during the year	Yes
if yes,whether it is uploaded in the institutional website: Weblink :	http://www.rknec.edu/Imp%20Links/AcademicCalendar.aspx

5. Accrediation Details

Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
1	A	3.10	2014	10-Dec-2014	09-Dec-2019

6. Date of Establishment of IQAC	14-Aug-2013

7. Internal Quality Assurance System

Quality initiatives by IQAC during the year for promoting quality culture		
Item /Title of the quality initiative by	Date & Duration	Number of participants/ beneficiaries

IQAC		
Simplifying Writing: Functional Grammar for Research and Professional Use	06-Feb-2019 01	189
Bone Density Check-up and Health Check-up Camp for Teaching, Non-Teaching Staff and Students	31-Jul-2018 01	101
Visit of Padma Shri Dr. Nagarajan Vedachalam, Distinguished Professor, ISRO and Member, Academic Advisory Board, RCOEM to RCOEM and interaction with Faculty	15-Mar-2019 02	42
Visit of Dr. S. Vaidhyasubramaniam, Vice-Chancellor, SASTRA Deemed University, Thanjavur, Tamilnadu to RCOEM and Interaction with Faculty	28-Mar-2019 02	150
Role of Psychology in Education	11-Aug-2018 01	36
Role of Teacher in Development of India	11-Oct-2018 01	44
Everything about Patent	29-Sep-2018 01	22
IEEE Xplore Platform for Project and Research	13-Aug-2018 01	372
NAACs revised Accreditation Framework	25-Aug-2018 01	103
Introduction of Spread Sheet Basics	16-Oct-2018 02	24
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8. Provide the list of Special Status conferred by Central/ State Government-UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.

Institution/Department/Faculty	Scheme	Funding Agency	Year of award with duration	Amount
Institute	RGSTC TIFAC MSME Internship Program	Rajiv Gandhi Science & Technology Commission (RGSTC), Technology Information, Forecasting and Assessment Council (TIFAC)	2019 365	1221555

Electronics Engineering Department	2nd International Conference on Electronic Systems, Signal Processing and computing	Council of Scientific and Industrial Research (CSIR),New Delhi	2018 03	100000
Electronics Design Technology Department	Virtual simulation environment for communication and embedded system design	AICTE – ISTE	2018 07	300000
Management Technology	Pradhan Mantri Kaushal Vikas Yojna	All India Council for Technical Education (AICTE)	2019 365	624750
Information Technology Department	Faculty Development Programme on Computational Lingustics: Techniques and Applications	All India Council for Technical Education (AICTE)	2019 14	294000
Computer Science and Engineering	Faculty Development Programme on Current Trends in Deep Learning and its Applications	All India Council for Technical Education (AICTE)	2019 14	339000
Electronics Engineering	3D Technology and Embedded Electronics	E & ICT Academy IIITDM, Jabalpur	2018 05	180793
Civil Engineering	Planning and Design of irrigation water network	All India Council for Technical Education (AICTE)	2019 07	337000
Industrial Engineering	SME Innovation	Deutsche Gesellschaft fur Internationale Zusammenarbeit (GIZ)	2018 90	192000
Mathematics	NCM funded Teacher Enrichment Workshop (TEW) on Linear Algebra, Group Theory and	IIT Bombay and TIFR, Mumbai	2018 06	190100

	Enumerative Combinatorics				
	View File				

9. Whether composition of IQAC as per latest NAAC guidelines:	Yes
Upload latest notification of formation of IQAC	View File
10. Number of IQAC meetings held during the year :	5
The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website	Yes
Upload the minutes of meeting and action taken report	View File
11. Whether IQAC received funding from any of the funding agency to support its activities during the year?	No

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

1. Participation in NIRF ranking 2019. Institute Ranked 112th in Engineering Category. 2. External Academic and Administrative Audit (AAA) conducted on 26th and 27th November 2018. 3. For all Under Graduate programmes of Institute AICTE model curriculum implemented. 4. Two International Conferences conducted in association with foreign universities. 5. ISO 9001:2015 Certification and Green Audit Certification. 6. Scholarship and Incentive Scheme for Students.

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

Plan of Action	Achivements/Outcomes
Conduction of External Academic and Administrative Audit (AAA).	External Academic and Administrative Audit (AAA) conducted on 26th – 27th November 2018
Revision in scheme and syllabus of Undergraduate Programmes to be implemented from 2018-19 session onwards.	Revision in scheme and syllabus of Undergraduate Programmes implemented from 2018-19 session(Adopted AICTE model curriculum)
Submitting application for NBA accreditation extension for M. Tech. Programmes for one year.	Three M. Tech programmes received an extension of NBA accreditation for one year
Submitting application for NBA accreditation extension for Under	One Under Graduate Programme – Industrial Engineering received an

Graduate Programmes.	extension of NBA accreditation for one year
Establishment of Ph.D. research centre at Department of Managememt Technology.	Established new Ph.D. research centre at Department of Management Technology
Participate in National Institutional Ranking Framework (NIRF – 2019)	Institute Participated in National Institutional Ranking Framework (NIRF – 2019) and ranked 112th in all India ranking
Participate in Atal Ranking of Institutions on Innovation Achievement (ARIIA) – 2019	Participated in Atal Ranking of Institutions on Innovation Achievement (ARIIA) – 2019 and received participation certificate.
Conduction of International Conferences / STTP / Workshops / Seminars etc.	International Conferences / STTP / Workshops / Seminars etc. were conducted by various departments
Establishment of Non-Formal Sanskrit Education Centre which will conduct certificate course on Sanskrit Language.	Non-Formal Sanskrit Education Centre to conduct certificate course in Sanskrit Language established
Creating the facility of recording video lecture for faculty members with the aim to create video lecture bank of the courses.	Facility of recording video lecture for faculty members created
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14. Whether AQAR was placed before statutory body ?	Yes

Name of Statutory Body	Meeting Date
College Development Committee	20-Oct-2020

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	No

16. Whether institutional data submitted to AISHE:	Yes

Year of Submission	2019

Date of Submission	21-May-2019

17. Does the Institution have Management Information System ?	Yes

If yes, give a brief descripiton and a list of modules currently operational (maximum 500 words)	The MIS system has been developed in such a way that it handles the complete academic cycle of a student, from the point of his entry into the college till his conversion to an alumnus. To

handle this functionality having such diverse activities, we have JUNO CAMPUS, an ERP system. The software has been divided into several modules whose brief description of few of them follows: The Admission Module: The admission module in GEMS automatically enables online form filling, scrutiny of all the forms, and generates the merit lists (provisional as well as final). It also handles admission related grievances online. At the end of the admission process the student gets registered in a particular stream and for that particular session. The Academic Module: This module helps the entire teaching learning process and has functionality mainly associated with Examination Scheme, Syllabus, Faculty Student allocation, Attendance monitoring, Internal evaluation, and Student Feedback. The Examination Module: This module consists of various activities related with the configuration, conduction, and final result processing of students belonging to all departments and courses. It begins with exam configuration and ends with Result Declaration for Regular and Ex Examinations. The complete process of result processing has been automated, due to which the time taken to declare result is considerably reduced. It successfully integrates with the academic module for the purpose of detention list generation and internal marks uploading. Finally each department does grade moderation in a decentralized way. This speeds up the exam process and the results get declared within 10 to 15 days of completion of semester end examination. The Administrative Module: This module looks after general administration work related with purchase, stock and inventory. It also incorporates the registrar module which implements the policies and procedures of the Institute with regards to Employee Muster, Service book and Leaves. The Finance Module: This module looks after receipt of fees and helps in disbursing sponsorship amount received from the government agency to the respective students. The Library Module: This module looks after book reissue/returns, Fine calculation and online fine payment, Title details,

Auto Accessioning and generation of auto alerts. Attendance through mobile app: The daily attendance entry can now be done through a mobile based app. This has eliminated the necessity of maintaining hard copies of attendance registers. The daily, monthwise, semesterwise attendance analysis and subsequent report generation for the entire class can be done with a click of button. Feedback system: The online student feedback system maintains the secrecy and authenticity of the feedback mechanism, as each student gives it through his/her own login. The entire feedback analysis is performed by the system, based on preferred assessment criteria. The Facultywise history of Feedback Analysis report makes it an important tool for employee appraisal as it gives quick results. Internal assessment: For internal marks calculation of the students, the system automatically generates internal marks for all students as per weightage and thus eliminates the need of performing individual calculations for each student.

Part B

CRITERION I – CURRICULAR ASPECTS

1.1 – Curriculum Design and Development

1.1.1 – Programmes for which syllabus revision was carried out during the Academic year

Name of Programme	Programme Code	Programme Specialization	Date of Revision
BE	ENU	Electronics Engineering and Electronics Engineering Shift II	14/07/2018
BE	CEU	Civil Engineering and Civil Engineering Shift II	14/07/2018
BE	EDU	Electronics Design Technology	14/07/2018
BE	ITU	Information Technology	14/07/2018
BE	CSU	Computer Science and Engineering and Computer Science and Engineering Shift II	14/07/2018

BE	ECU	Electronics Communication Engineering and Electronics Communication Engineering Shift II	14/07/2018
BE	EEU	Electrical Engineering	14/07/2018
BE	MEU	Mechanical Engineering	14/07/2018
BE	INU	Industrial Engineeering	14/07/2018
MBA	MBA	MBA and MBA Shift II	19/05/2018
[View File](#)			

1.1.2 – Programmes/ courses focussed on employability/ entrepreneurship/ skill development during the Academic year

Programme with Code	Programme Specialization	Date of Introduction	Course with Code	Date of Introduction
BE	List attached	01/07/2018	List attached	01/07/2018
Mtech	List attached	01/07/2018	List attached	01/07/2018
MCA	List attached	01/07/2018	List attached	01/07/2018
MBA	List attached	01/07/2018	List attached	01/07/2018
[View File](#)				

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the Academic year

Programme/Course	Programme Specialization	Dates of Introduction
BE	List attached	01/07/2018
Mtech	List attached	01/07/2018
MCA	List attached	01/07/2018
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1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective Course System implemented at the College level during the Academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
BE	Electronics Engineering	14/07/2018
BE	Electronics Engineering Shift II	14/07/2018
BE	Civil Engineering	14/07/2018
BE	Civil Engineering Shift II	14/07/2018
BE	Electronic Design Technology	14/07/2018
BE	Information Technology	14/07/2018

BE	Computer Science and Engineering	14/07/2018
BE	Computer Science and Engineering Shift II	14/07/2018
BE	Electronics and Communication Engineering	14/07/2018
BE	Electronics and Communication Engineering Shift II	14/07/2018
BE	Electrical Engineering	14/07/2018
BE	Mechanical Engineering	14/07/2018
BE	Industrial Engineering	14/07/2018

1.3 – Curriculum Enrichment

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

Value Added Courses	Date of Introduction	Number of Students Enrolled
Financial Management	01/07/2018	122
Entrepreneurship Development	01/07/2018	140
Employability Skills For Engineers	01/07/2018	56
Internet Technologies	01/07/2018	53
Object Oriented Programming Using Python	01/07/2018	49
Employbility Enhancement Workshop	01/07/2018	205
Green Building And Vastu Concepts	01/07/2018	39
Foundation Of Business Intelligence	01/07/2018	20
Orientation In German Language	01/07/2018	51
Remaining List attached	01/07/2018	3876
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1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
BE	Civil Engineering, Computer Science and Engineering, Electronics and Communication, Electronics Design Technology, Electrical Engineering, Electronics Engineering, Mechanical Engineering, Industrial Engineering, Information Technology	1837

Mtech	Structural Engineering, GeoTechnical Engineering, Computer Science & Engineering, Power Electronics & Power Systems, VLSI Design, Heat Power Engineering, Industrial Engineering,	73
MBA	Management	440
MCA	Computer Application	193
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1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	Yes
Alumni	Yes
Parents	Yes

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

Feedback Obtained

Institute conducts Students' online feedback in MIS. The questionnaire prepared obtains feedback from students on three major sets of parameters including teaching learning process (Theory and Practical), facilities and infrastructure of the department and the Institute on a five point scale from 1 to 5 with level 1 as not satisfactory and level 5 as excellent. Feedback is taken from the students twice in a semester. The feedback is configured in MIS as per the slots (dates) mentioned in academic calendar. The students give the feedback through their login ids. Once a student submits the feedback, it is freezed. The Head of the department critically analyzes the feedback of every faculty member and department facilities. One to one discussion with faculty is held after the mid and end semester feedback. The corrective measures are suggested and monitored wherever necessary. Action taken report is prepared by Head of the department and then it is discussed with the Principal in the presence of Member Secretary, IQAC, Head of the department and concerned faculty. Such discussions help to evolve necessary corrective measures that can help the faculty to improve their performance. Alumni, Employer and Parent feedback are conducted on five point scale from 1 to 5 with level 1 as not satisfactory and level 5 as excellent. The alumni feedback is carried out throughout the year. This feedback is taken from the alumni when they visit the Institution during the annual alumni meet or for any other purpose. The feedback is also taken electronically from the wide network of institute alumni. The analysis of the alumni feedback helps in curriculum design and development and organization of various career guidance training programmes. Employer feedback is collected either during the campus placement drives or electronically from the employers all round the year. Employers give feedback on the curriculum design and development and also on their overall impression of the institute and its students. The analysis of this feedback helps institute in reframing the course content and organization of various skill development training programmes. It also helps in determining overall employability of students at various levels. Parents give their feedback during the Parents-Teacher Meet, which is held once in every semester. Parents Feedback is based on the teaching learning process

and their over-all impression of the institute. This feedback form is made available in Hindi and English languages. The feedback from the Parents helps the Institute immensely reorienting the academic, administrative, general ambience, the skill development, suitability of the courses for career growth of the ward, and overall development in the personality of the ward.

CRITERION II – TEACHING- LEARNING AND EVALUATION

2.1 – Student Enrolment and Profile

2.1.1 – Demand Ratio during the year

Name of the Programme	Programme Specialization	Number of seats available	Number of Application received	Students Enrolled
MBA	MBA Integrated	60	135	60
BE	Civil Engineering, Computer Science and Engineering, Electronics and Communication, Electronics Design Technology, Electrical Engineering, Electronics Engineering, Mechanical Engineering, Industrial Engineering, Information Technology	810	50251	810
Mtech	Structural Engineering, GeoTechnical Engineering, Computer Science & Engineering, Power Electronics & Power Systems, VLSI Design, Heat Power Engineering, Industrial Engineering	141	80	80
MCA	Computer Application	120	89	79
MBA	MBA	120	341	120
PhD or DPhil	Electronics Engineeing, Civil Engineering,	80	63	34

Electrical Engineering, Computer Science and Engineering, Mechanical Engineering, Management Technology			

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2.2 – Catering to Student Diversity

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

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2018	856	320	207	73	77

2.3 – Teaching - Learning Process

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

Number of Teachers on Roll	Number of teachers using ICT (LMS, e-Resources)	ICT Tools and resources available	Number of ICT enabled Classrooms	Numberof smart classrooms	E-resources and techniques used
280	280	5	63	20	12

<div style="text-align:center">View File of ICT Tools and resources</div>

<div style="text-align:center">View File of E-resources and techniques used</div>

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

Institute provides mentoring to newly admitted Under Graduate students and Mentor Mentee scheme exits for higher semester students. Institute admits students from various socio economical backgrounds, students from rural, urban and metropolitan regions, and from various states of the country. Three week induction programme is organized for newly admitted students. Induction programme helps the students to get acclimatize with the new surroundings, develop bond with fellow students and teachers, to develop sensitivity towards various issues of social relevance and inculcate human values so as to become responsible citizens. On the very first day Principal of the institute addresses fresh students giving them the basic information about the Institute, various courses conducted in the institute and various career opportunities available after the completion of graduation. In the same session Deans and Head of the departments also brief to the fresh students about their individual department courses, laboratories, research facilities and the opportunities for the students of the department. Physical health related activities like football, basketball, volley ball and yoga is performed during induction program by First Year Students. Different extracurricular activities are conducted by dance club, music club, drama club, literary club where students groups participate. Students are also familiarized with central facilities, such as Administrative block, Library and different Departments/Branches. For higher semester students Mentor Mentee scheme is available, where a small group of students are allocated to the teacher who at regular interval interacts with the students and grievances if any, resolves them and guides them.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
4685	280	1:16.7

2.4 – Teacher Profile and Quality

2.4.1 – Number of full time teachers appointed during the year

No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the current year	No. of faculty with Ph.D
280	280	0	49	135

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

Year of Award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
2019	Dr. V. S. Deshpande	Professor	IIIE Chairman Special Award, 60th daimond Jubilee National Convention and an International Conference
2019	Dr. Rashmi Shahu	Associate Professor	Outstanding Women in Engineering
2019	Dr. Swati S. Godbole	Assistant Professor	Indias Youth Icon Award-2018
2019	Dr. R. N. Khapre	Associate Professor	Best paper award at conference in VNIT
2019	Dr. R. B. Raut	Associate Professor	Top Performing NPTEL Mentor
2019	Dr. Gayathri Band	Assistant Professor	Business Statistics , Elite Topper, NPTEL
2019	Dr. Kanak Wadhwani	Assistant Professor	Women in Management Award
2019	List attached	Professor	List attached
2019	List attached	Associate Professor	List attached
2019	List attached	Assistant Professor	List attached
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2.5 – Evaluation Process and Reforms

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

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of results of semester-end/ year- end examination
BE	ENU	8	06/05/2019	16/05/2019
Mtech	ENV	2	16/05/2019	21/05/2019
MBA	MBA	2	20/05/2019	23/05/2019
MCA	MCA	6	11/05/2019	22/05/2019
BE	CEU	5	16/11/2018	22/11/2018

Mtech	CES	1	15/12/2018	20/12/2019
MBA	MBA	3	24/11/2018	04/12/2018
MCA	MCA	1	10/12/2018	17/12/2018

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2.5.2 – Average percentage of Student complaints/grievances about evaluation against total number appeared in the examinations during the year

Number of complaints or grievances about evaluation	Total number of students appeared in the examination	Percentage
7	1315	0.5%

2.6 – Student Performance and Learning Outcomes

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

<div align="center">http://www.rknec.edu/Academics/syllabus.aspx</div>

2.6.2 – Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students appeared in the final year examination	Number of students passed in final year examination	Pass Percentage
MCA	MCA	Computer Application	75	68	90.67
MBA	MBA	MBA and MBA Integrated	140	129	93.55
List attached	BE	Civil Engineering, Industrial Engineering, Electrical Engineering, Electronics Engineering, Electronics & Communication Engineering, Electronics Design Technology, Information Technology, Computer Science & Engineering, Mechanical Engineering	1002	922	93.21
List attached	Mtech	Geotech, Structural Engineering, Industrial Engineering,	98	84	82.82

	VLSI (Design), Computer Science & Engineering, Heat Power Engineering, Power Electronics and Power system			

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2.7 – Student Satisfaction Survey

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

http://www.rknec.edu/Imp%20Links/Docs/Student%20Satisfaction%20Survey_2018-19.pdf

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 – Promotion of Research and Facilities

3.1.1 – The institution provides seed money to its teachers for research

Yes
Name of the teacher getting seed money
List attached
View File

3.1.2 – Teachers awarded National/International fellowship for advanced studies/ research during the year

Type	Name of the teacher awarded the fellowship	Name of the award	Date of award	Awarding agency
National	Nil	Nil	01/07/2018	Nil
International	Nil	Nil	30/06/2019	Nil
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3.2 – Resource Mobilization for Research

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

Nature of the Project	Duration	Name of the funding agency	Total grant sanctioned	Amount received during the year
Minor Projects	30	Council of Scientific and Industrial Research (CSIR)	100000	100000
Minor Projects	365	Electronics and ICT Academy	180793	180793

		IIIT Jabalpur		
Minor Projects	365	AICTE	339000	339000
Minor Projects	365	AICTE	294000	294000
Minor Projects	730	AICTE	650000	650000
Minor Projects	7	ISTE and AICTE, New Delhi	300000	270000
Major Projects	365	Rajiv Gandhi Science Technology Commission	1221555	1221555
Minor Projects	365	AICTE,New Delhi	624750	187425
Industry sponsored Projects	91	GIZ	192000	172800

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3.2.2 – Number of ongoing research projects per teacher funded by government and non-government agencies during the years

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3.3 – Innovation Ecosystem

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

Title of workshop/seminar	Name of the Dept.	Date
Branch and Bound Techniques	Department of Computer Application [MCA]	09/10/2018
Artificial Intelligence	Department of Computer Application [MCA]	09/10/2018
Backtracking algorithm design technique	Department of Computer Application [MCA]	27/09/2018
Network flow in design and analysis of algorithms	Department of Computer Application [MCA]	19/09/2018
Smartphone security and social networking sites threats	Department of Computer Application [MCA]	08/03/2018
Stress Management for Adolescence	Department of Computer Application [MCA]	09/02/2018
MCA WAD – 2019	Department of Computer Application [MCA]	22/01/2019
Course conduction by Mr. Dinesh Khamele, Software Architect Consultant. Course: Data Structures and Program Design, III Semester	Information Technology	27/08/2018
A seminar on "How to Define Right M.Tech Problem", Dr. P. R. Apte, Former Professor, IIT	Electronics Engineering	05/07/2018

Bombay		
A seminar on "Embedded System in Automobile Vehicle," Mr. Raviteja, Boddede, Assistant System Engineer, EIC Automotive, TCS, Nagpur	Electronics Engineering	27/10/2018
Short Term training program on "3D Technology and Embedded Electronics," was organized by Shri Ramdeobaba College of Engineering and Management, Nagpur and Electronics ICT Academy, IIITDM, Jabalpur	Electronics Engineering	13/11/2018
Course conduction by Mr. Dinesh Khamele, Software Architect Consultant. Course: Data Structures and Program Design, III Semester	Information Technology	15/09/2018
Course conduction by Mr. Dinesh Khamele, Software Architect Consultant. Course: Data Structures and Program Design, III Semester	Information Technology	22/09/2018
Course Conduction by Mr. Abhinav Mishra, Quality Analyst, Informatica, Banglore. Corse: Software Engineering, V Semester	Information Technology	27/09/2018
FinMin Workshop Finance	Department of Management Technology	27/10/2018
Workshop on aptitude development	Department of Management Technology	10/12/2018
Seven days workshop on Business intelligence using Excel	Industrial Engineering	06/08/2018
3 D Printing	Mechanical Engineering	23/08/2018
Vehicle Dynamics, Design and Simulation of All Terrain Vehicle	Mechanical Engineering	23/03/2019
Vehicle Dynamics, Design and Simulation of All Terrain Vehicle	Mechanical Engineering	30/03/2019
Creo 2.0 Assembly and Layout	Mechanical Engineering	03/08/2019
Everything about Patents by Dr. Ushoshi Guha	IPR Cell	29/09/2018

Six Day Teachers Enrichment workshop on Linear Algebra, Group Thepry and Combinatorics	Mathematics	22/12/2018
Industry Lecture on Design Patterns	Computer Science and Engineering	15/09/2018
Industry Lecture on 'Agile Methodology in Software Engineering	Computer Science and Engineering	14/09/2018
Workshop on Understanding Digital and Mobile Forensics	Computer Science and Engineering	05/10/2018
ACM's 2 days workshop on Problem Solving	Computer Science and Engineering	02/12/2019
Course Conduction by Mr. Madan Tiwari, Cloud Consultant, Click2 Cloud Inc., Nagpur. Course: Software Lab, VII Semester	Information Technology	28/07/2018
Course Conduction by Mr. Madan Tiwari, Cloud Consultant, Click2 Cloud Inc., Nagpur. Course: Software Lab, VII Semester	Information Technology	22/09/2018
Course Conduction by Mr. Madan Tiwari, Cloud Consultant, Click2 Cloud Inc., Nagpur. Course: Software Lab, VII Semester	Information Technology	29/09/2018
Course Conduction by Mr. Madan Tiwari, Cloud Consultant, Masycoda Solutions, Nagpur. Course: IT Infrastructure Services, IV Semester	Information Technology	22/03/2019
Workshop on Familiarization with Solar Power System (TECHNOVISION 11)	Students Representative Council	21/08/2018
3 D Printing Workshop (TECHNOVISION 11)	Students Representative Council	23/08/2018
Python Programming Workshop (TECHNOVISION 11)	Students Representative Council	22/08/2018
Workshop on Data Analytics using Hadoop (TECHNOVISION 11)	Students Representative Council	24/08/2018
Artificial Intelligence workshop (TECHNOVISION	Students Representative Council	24/08/2018

	11)		
	Workshop on Modern Surveying Techniques (TECHNOVISION 11)	Students Representative Council	25/08/2018
	Introduction to Functional Grammar for Research and Workplace Documentation by Dr. Deepshikha Mehra and Prof. Pratishruti Singh	Humanities	16/11/2018
	"Simplifying Writing: Functional Grammar for Research and Professional Use" by Prof. Pratishruti Singh	Humanities	06/02/2019
	Workshop on Interview Skills by Dr. Micah Aiyub, Independent Consultant and Founder Zion Education	Humanities	05/03/2019
	Key employability skills for engineering students	Humanities	18/01/2019
	Personal Interview Strategies and Resume Making	Humanities	09/02/2019
	Arthashastra 2019	Department of Management Technology	01/02/2019
	Gyansarovar 2019	Department of Management Technology	18/01/2019
	Workshop on Block Chain	Department of Management Technology	18/01/2019
	Samvaad 2019	Department of Management Technology	23/02/2019
	Sales Competencies and Selling Techniques for Sales People at LT Nagpur	Department of Management Technology	14/03/2019
	Verbal and Non verbal Communication and Time Management for employees of Wardhman Urban Cooperative Bank	Department of Management Technology	24/07/2018
	Workshop on Data: Analysis Presentation using Spreadsheet (Excel) for the students of DMT	Department of Management Technology	17/12/2018
	Karvy workshop 2	Department of Management Technology	21/09/2018
	PEP workshop	Department of Management Technology	27/07/2018
	Academic Conclave 2018	Department of Management Technology	02/10/2018

2nd International Conference on Electronic Systems, Signal Processing and Computing Technologies (ICESC-2018)	Electronics Engineering	07/12/2018	
Six hours of partial delivery for the course Computer Communication and Network by Mr. M. Ahmad, Technical Head CMS IT Nagpur and Mr. Sachin Meshram, Analyst HCL Technologies Nagpur	Electronics Engineering	22/02/2019	
The AICTE -ISTE Sponsored Induction / Refresher Program on Virtual Simulation Environment for Communication and Embedded System Design (VSECESD)	Electronics Design Technology	26/11/2018	
Personal Interview Strategies and Resume writing	Department of Computer Application [MCA]	09/02/2019	
"Quantitative aptitude" (Pre- Placement Talk and Career Opportunities)	Department of Computer Application [MCA]	11/02/2019	
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3.3.2 – Awards for Innovation won by Institution/Teachers/Research scholars/Students during the year

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
List Attached	List Attached	List Attached	01/07/2018	List Attached
Martial art State level: Gatka (1st Rank)	Jaskirath Singh Vij	Gatka Association of Maharashtra	24/06/2018	Student
Outstanding Contribution towards Annual Global Convention 2018	Ayush Singh	Great Lake Institute of Management ,Chennai	16/12/2018	Student
Smart India Hackathon 2019 Team CALLISTO-06 Winner	Swarup Laddha	MHRD	03/03/2019	Student
Synergy '18, (1st Rank)	Arpit Dekate	Government College of Engg., Nagpur	29/09/2018	Student
IEEE Programming contest by IEEE RCOEM Student	Rushabh Gaherwar	IEEE	08/09/2018	Student

branch (2nd Rank)				
Best paper award in 2nd International Conference on Electronic Systems Signal Processing and Computing Technologies	Prof. Sharmik Admane	Shri Ramdeobaba College of Engineering and Management, Ramdeo Tekdi, Gittikhadan, Katol Road, Nagpur – 440 013 (M.S.) (India)	25/03/2018	Teacher
OUTSTANDING WOMAN IN ENGINEERING (Major Area of Study – Industrial Engineering)	Dr. Rashmi shahu	4th Venus International Women Awards – VIWA 2019.	26/11/2018	Teacher
Best paper award certificate	Dr. Rashmi shahu	20th International conference on manufacturing, optinmization ,industrial and material engine ering,Netherlan ds	23/01/2018	Teacher
Best Paper Award: National Conference of digital dentistry, VNIT Nagpur	R N Khapre, J B Chouhan	VNIT, Nagpur	11/08/2018	Teacher

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

Incubation Center	Name	Sponsored By	Name of the Start-up	Nature of Start-up	Date of Commencement
Technology Incubation Centre	RCOEM Technology Business Incubators (TBI) Foundation	Ministry of MSME, Govt. of India	Happico MSME SSI Registration UAN No.MH20D 0057882	Food Manufacturer of Dark Belgian Chocolate. Happico produces Dark Belgian Chocolate with different flavours . Headquarters at Wani ,Nagpur, India.	01/07/2018

				Believes in delivering best chocolate experience worldwide.	
Technology Incubation Centre	RCOEM Technology Business Incubators (TBI) Foundation	Ministry of MSME, Govt. of India	CineVibes	Photography Platform. ITES , On line Portal for Commercial P hotographers , A/V Business	01/07/2018
Technology Incubation Centre	RCOEM Technology Business Incubators (TBI) Foundation	Ministry of MSME, Govt. of India	Alentar Electric	Electric Vehicle Mobility Custom built or retrofit futuristic Electric urban machine (bicycle) built to facilitate comfortable commute on Indian streets.	01/07/2018
Technology Incubation Centre	RCOEM Technology Business Incubators (TBI) Foundation	Ministry of MSME, Govt. of India	FoodForU	Food Tourism. Worlds first food prebooking platform for travellers providing complete services from booking till dining during travel.	01/07/2018
Technology Incubation Centre	RCOEM Technology Business Incubators (TBI) Foundation	Ministry of MSME, Govt. of India	TESTMAN QUALITY ASSURANCE SERVICES PRIVATE LIMITED – CIN U74999MH 2019PTC33438 4	Integration of all kinds of Industrial Testing Services. Integration of all kinds of Industrial Testing	01/07/2018

				Services for civil enginnerring (material and geotechnical), food, oil and industrial testing services	
Technology Incubation Centre	RCOEM Technology Business Incubators (TBI) Foundation	Ministry of MSME, Govt. of India	Eco IN-FUR Creations (Six Month TBI Internship)	Bamboo Industrial Products Manufacturing Unit	01/07/2018
Technology Incubation Centre	RCOEM Technology Business Incubators (TBI) Foundation	Ministry of MSME, Govt. of India	Cooly (Six Month TBI Internship)	Cold Storage Chain Solutions . We at Cooly, will be providing customized cold storage solutions for fruits, vegetables, flowers, and other perishable commodities.	01/07/2019
Technology Incubation Centre	RCOEM Technology Business Incubators (TBI) Foundation	Ministry of MSME, Govt. of India	Super Salads (Six Month TBI Internship)	Monthly Salad Subscription Service. Super Salads is a subscription-based salad delivery service aimed at providing freshly cut, ready to eat healthy salad at your desk / doorstep.	01/07/2018
Technology Incubation Centre	RCOEM Technology Business Incubators (TBI) Foundation	Ministry of MSME, Govt. of India	Mr. Soy	Soya-Cheese Products. Delivery of a variety of soy products, to promote a	01/07/2018

Technology Incubation Centre	RCOEM Technology Business Incubators (TBI) Foundation	Ministry of MSME, Govt. of India	Multicolour, Multiple Flashlights	Mobile Software Application	01/07/2018

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3.4 – Research Publications and Awards

3.4.1 – Ph. Ds awarded during the year

Name of the Department	Number of PhD's Awarded
Department of Management Technology	5
Electrical Engineering	5
Chemistry	2
Electronics Engineering	1

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

Type	Department	Number of Publication	Average Impact Factor (if any)
International	Chemistry Department	4	3.27
International	Civil Engineering	7	0.48
International	Computer Science and Engineering	31	2.19
International	Electrical Engineering	9	1.80
International	Electronics and Communication Engineering	22	2.73
International	Electronic Design Technology	6	2.44
International	Electronics Engineering	27	3.82
International	Humanities Department	8	2.54
International	Industrial Engineering	13	2.54
International	Physics Department	7	3.31

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

Department	Number of Publication
Information Technology	2

Humanities	14
Mechanical Engineering	48
Industrial Engineering	21
Electronics Engineering	19
Electrical Engineering	3
Electronics and Communication Engineering	3
Department of Management Technology	53
Computer Science and Engineering	5
Civil Engineering	22

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3.4.4 – Patents published/awarded during the year

Patent Details	Patent status	Patent Number	Date of Award
Effectual driver circuit for E-Rickshaw	Filed	201821027929	05/07/2018
A process for production of cost effective high performance silicone gel grease with high payload	Filed	201921004344	28/01/2019
Assemble Fixture for Office Partition	Filed	201921020633	17/05/2019
Sensor Based Automatic Fault Detection System	Filed	201921020645	17/05/2019
Ergonomically Designed Chair for Cerebral Palsy Patients	Published	201721031237	08/03/2019
Low cost method and system for Grain sorting	Published	201721046624	10/05/2019
A method and system for providing the identification, Authentication and security using Thermal Profile Signature Map	Published	201721038784	03/05/2019
Human Powered Flywheel Motor Driven pelletizer	Published	201721031234	08/03/2019
List attached	Filed	List attached	01/07/2018
List attached	Published	List attached	01/07/2018

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

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citation
List attached	List attached	List attached	2019	0	List attached	0
List attached	List attached	List attached	2018	0	List attached	0
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3.4.6 – h-Index of the Institutional Publications during the year. (based on Scopus/ Web of science)

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
Remaining List attached	Remaining List attached	Remaining List attached	2019	0	0	Shri Ramdeobaba College of Enginnering and Management
Fabrication and characterization of zinc oxide piezoelectric MEMS resonator	PrasannaP. Deshpande, Rajesh S. Pande	Microsystem Technologies Print	2019	57	0	Shri Ramdeobaba College of Enginnering and Management
Low Cost Manual Briquette Making Machine Using Scotch Yoke Mechanism	Dr. Y. M. Sonkhaskar	International Journal of Mechanical and Production Engineering Research and Development (Transstellar Publications)	2018	29	0	Shri Ramdeobaba College of Enginnering and Management
Thermal Analysis Of 3-D Printer Liquefier Indicates A Probable Cause Of Nozzle Clogging	Vishal V. Shukla	International Journal IOP Conf. Series: Materials Science and Engineering.	2019	11	0	Shri Ramdeobaba College of Enginnering and Management

Title	Author	Journal	Year			Institution
Life Model for PWM controlled Induction Motor Insulation using Design of Experimenyts Method	T. G. Arora	Journal of Electric Power Components System	2019	43	0	Shri Ramdeobaba College of Enginnering and Management
Synthesis, characterization, anti-bacterial activity of newly synthesized coumarin and chalcone compounds consisting of Azo (NN) linkage	C. P. Pandhurnekar	Int. J. Pharma and BioSciences	2018	5	0	Shri Ramdeobaba College of Enginnering and Management
Photothermal hydrogen production from oxidation hydrolysis of electro chemically synthesized nano zinc	Priti Mangrulkar	Int. Journal of Hydrogen Energy	2019	187	0	Shri Ramdeobaba College of Enginnering and Management
Study of Direct Finite Element Method of Analysing Soil-Structure Interaction in a Simply Supported Railway Bridge Subjected to Resonance	A. M. Gharad	Iranian Journal of Science and Technology, Transactions of Civil Engineering	2018	10	2	Shri Ramdeobaba College of Enginnering and Management
Adsorption of indigo	T.B.Gupta	SADHANA – Academy Pr	2018	43	1	Shri Ramdeobaba

carmine and methylene blue dye: taguchi's design of experiment to optimize removal efficiency		oceedings in Engineering Sciences.				College of Enginnering and Management
A Comprehensive Study of Healthcare Fraud Detection based on Machine Learning	A.M. Karandikar	International Journal of Applied Engineering Research	2018	25	0	Shri Ramdeobaba College of Enginnering and Management

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

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	13	142	8	0
Presented papers	174	13	0	0
Resource persons	0	106	0	0

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3.5 – Consultancy

3.5.1 – Revenue generated from Consultancy during the year

Name of the Consultan(s) department	Name of consultancy project	Consulting/Sponsoring Agency	Revenue generated (amount in rupees)
Dr. Rajiv B. Khaire Dr. Rituja Joshi Dr. Kanak Wadhwani [Department of Management Technology]	Optimization Audit and Training Needs Indentification for Manas Unit – II	Manas Agro Industries Infrastructures Ltd.	0.6
Dr. Neeta Shah Dr. Ruchi Sao [Department of Management Technology]	Training Need indentification Evaluation for OFIL, Nagpur	Sr. Principal, Director O.F.I.L.A.J.	0.3
Dr. Neeta Shah Dr. Ruchi Sao [Department of Management Technology]	Behaviour change Training Need indentification Evaluation for OFIL, Nagpur	Sr. Principal, Director O.F.I.L.A.J.	0.74

Dr. M. S. Kadu, Dr. P. D. Pachpor [Civil Engineering Department]	Soil Investigation of Police Land. Maharashtra State Police Housing Welfare Corporation Limited at different locations in Maharashtra State	Jaiprakash Sharma Associates	2.47
Dr. M. S. Kadu, Dr. P. D. Pachpor [Civil Engineering Department]	Soil Investigation of Police Land. Maharashtra State Police Housing Welfare Corporation Limited at different locations in Maharashtra State	Jaiprakash Sharma Associates	0.85
Dr. M. S. Kadu, Prof. V. J. Rajurkar Dr. P. D. Pachpor, Prof. T. K. Rao Prof. P. P. Dahale, Dr. A. A. Mehta [Civil Engineering Department]	Soil Investigation of Police Kardha, Bhandara (L)	MEROG Project Planners and Management Consultants	0.76
Dr. M. S. Kadu, Prof. V. J. Rajurkar Dr. P. D. Pachpor [Civil Engineering Department]	Plate Load Test at C. P. Office, Nagpur	B.L. Mehta.	0.8
Dr. I. P. Keswani, Prof. Mangesh P. Joshi [Industrial Engineering Department]	Industrial Engineering of MSRTC Central Workshops	Maharashtra State Road Transport Corporation	3.62
Dr. I. P. Keswani, Prof. Mangesh P. Joshi [Industrial Engineering Department]	Industrial Engineering of MSRTC Central Workshops	Maharashtra State Road Transport Corporation	4.35
List attached	List attached	List attached	28.56
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3.5.2 – Revenue generated from Corporate Training by the institution during the year

Name of the Consultan(s) department	Title of the programme	Agency seeking / training	Revenue generated (amount in rupees)	Number of trainees
Dr. Vandana Gandhi [Department of Mangement	MDP on time management verbal and non verbal training	Wardhaman Urban Co-operative Bank	11000	20

Technology]				
Dr. Vandana Gandhi [Department of Mangement Technology]	MDP on time management verbal and non verbal training	Wardhaman Urban Co-operative Bank	12980	20
Rahul Mohare Prof. Shravan Chandak [Department of Mangement Technology]	Spread Sheet Training Programme	Manas Agro Industries Infrastructures Ltd.	17288	20
Dr. Chandan Vichoray [Department of Mangement Technology]	Mechatronics Course	Mahindra and Mahindra	126000	42
Dr. Neeta Shah Dr. Ruchi Sao [Department of Mangement Technology]	Behaviour Change Training OFIL, Nagpur	Ordance Factories Institute of Learning Ambazari, Nagpur	33050	10
Dr. Anup Ranade [Department of Mangement Technology]	Employees Training	Account General (Audit)-II Nagpur	10169	22
Dr. Rajiv B. Khaire Dr. Ruchi Sao [Department of Mangement Technology]	Spread Sheet Training Programme	SMS Ltd.	112500	22
Prof. Anant Deogaokar [Department of Mangement Technology]	Communication Skills for Customer Delight	Manjiri Textiles	43749	25
Dr. Vishal Mehta [Department of Mangement Technology]	Employees Training	Larson Toubro Ltd.	6500	20
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3.6 – Extension Activities

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

Title of the activities	Organising unit/agency/ collaborating agency	Number of teachers participated in such activities	Number of students participated in such activities
National Cadet Corps(NCC) Navy	National Cadet Corps(NCC)	1	3

National Cadet Corps(NCC) Air force	National Cadet Corps(NCC)	1	7
Hackthon-2019	AICTE, India	73	80
Aakriti Exhibition	Shri Ramdeobaba College Of Engineering And Management, Nagpur, Deaf-Dumb School	2	150
Gramin Sampark	Dorli Village, Gram-Panchayat	3	80
Junoon-Event	Shri Ramdeobaba College Of Engineering And Management, Nagpur, Dental Clinic, Deaf-Dump School	3	132
Tree Plantation Drive	Balsadan, Nagpur	1	43
Stationary Collection And Donation Drive	Balsadan, Nagpur	1	38
Orphanage Visit	Balsadan, Nagpur	1	43
Unnat Bharat Abhiyaan (UBA)	Shri Ramdeobaba College Of Engineering And Management Indian Institute Of Technology Delhi	4	12

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

Name of the activity	Award/Recognition	Awarding Bodies	Number of students Benefited
Mime participation, Student Representative Council (SRC)	Yuvarang-2019 (Inter collegiate Youth Festival) Mime participation(Rinjal Jain)	Rashtrasant Tukadoji Maharaj Nagpur University	2
Remaining List attached	Remaining List attached	Remaining List attached	0
Essay writing event, Student Representative Council (SRC)	All India Essay writing event-2018 , 2nd position state level and silver medal (Varun Shukla)	Shree Ram Chandra mission United Nations Info. Centre and Heartfulness edu. Trust	1
Online Quiz Competition, Student Representative	Engineers Forum, Nagpur Online Quiz Competition, 1st Prize (Atahrva	Engineers Forum, Nagpur	1

Council (SRC)	Deshpande)		
Mime participation, Student Representative Council (SRC)	Yuvarang-2019 (Inter collegiate Youth Festival) Mime participation (Ketki Fednavis)	Rashtrasant Tukadoji Maharaj Nagpur University	2
Social and Cultural activity	Social and Cultural activity-Rashtriya Vachanalaya	Rashtriya Vachanalaya, Mahal Nagpur	1
National cadet Corps (NCC)	1ST rank in Cultural Tandav	4 Maharashtra Naval Unit NCC, Nagpur CATC 610	1
National cadet Corps (NCC)	A Grade	B Certificate Exam conducted by NCC	1
Blood Donation through NSS	Recognition for donating blood	Hedgewar Blood Bank, Nagpur	786
Essay writing event, Student Representative Council (SRC)	All India Essay writing event-2018 6th position state level (Aashutosh karwa)	Shree Ram Chandra mission United Nations Info. Centre and Heartfulness edu. Trust	1
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3.6.3 – Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activites	Number of students participated in such activites
National Servive Scheme (NSS)	Balsadan, Nagpur	Stationary Collection And Donation Drive	1	220
National Servive Scheme (NSS)	Balsadan, Nagpur	Orphanage Visit	1	62
National Servive Scheme (NSS)	Balsadan, Nagpur	Tree Plantation Drive	1	50
National Servive Scheme (NSS)	Shri Ramdeobaba College of Engineering And Management, Nagpur	Event-Aarambh	2	350
National Servive Scheme (NSS)	Shri Ramdeobaba College of Engineering And Management, Nagpur	Special Able Children Program(Junoon)	3	210
National Servive Scheme (NSS)	Shri Ramdeobaba College of Engineering And Management,	Reflection	2	120

National Servive Scheme (NSS)	Nagpur			
National Servive Scheme (NSS)	Dorli Village, Gram-Panchayat	Gramin Sampark	3	160
National Servive Scheme (NSS)	Shri Ramdeobaba College of Engineering And Management and Deaf-Dumb School	Aakriti Exhibition	1	150
Women Empowerment Cell, RCOEM, Nagpur	Shri Ramdeobaba College Of Engineering And Management, Nagpur	Talk on Women Entrepreneurship	2	114
Unnat Bharat Abhiyan	Shri Ramdeobaba College Of Engineering And Management, Nagpur	Unnat Bharat Abhiyan(UBA)	4	56
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3.7 – Collaborations

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

Nature of activity	Participant	Source of financial support	Duration
Student Exchange-One Semester	Ms. Anni Thomas, Ms. Diksha Pandey	Financial support	365
Study and Development of MEMS based Microsensor using Vertical Combdrive	Ms. Swati Singh	Technical Support	294
Research Work	Prof. Ashish Chandak	Financial support	365
Research Work	Prof. Sumit S. Geete	Financial support	365
Technical collaboration	Prof. U. B. Mujumdar	Technical Support	365
Technical collaboration	Prof. Ashish Chandak	Technical Support	365
Research Publication	Dr. Priti Mangrulkar, Abhay Kotkondawar, Snehal Wanjari, Pratap Reddy Maddigapu, Sadhana Rayalu	Technical Support	365
Student exchange under MoU	Annie Thomas, Diksha Pandey (MBA (I) VIII Sem)	Tuition fee waiver from University of North Florida, USA	120
Student exchange under MoU	Bhakti Tiwari, Kaushtubh	Tuition fee waiver from University of	37

	Kshetrapal (MBA II Sem)	North Florida, USA	
Remaining List attached	Remaining List attached	Remaining List attached	0
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3.7.2 – Linkages with institutions/industries for internship, on-the- job training, project work, sharing of research facilities etc. during the year

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration From	Duration To	Participant
Remaining List attached	Remaining List attached	Remaining List attached	01/07/2018	30/06/2019	Remaining List attached
VIII Sem Student Internship	Industry Intership	Siemens Tech nologies, Pune	01/01/2019	30/06/2019	Vaishnavi Sunil Pandav
VIII Sem Student Internship	Industry Intership	Siemens Tech nologies, Pune	01/01/2019	30/06/2019	Utkarsha Vijaydatt Dahasahastra
VIII Sem Student Internship	Industry Intership	Varroc Engineeing, Aurangabad	15/01/2019	30/06/2019	Sweety Kishor Ashtikar
VIII Sem Student Internship	Industry Intership	Dolphin Electronics, Nagpur	10/01/2019	30/06/2019	Shraddha Kiran Tarekar
VIII Sem Student Internship	Industry Intership	Dolphin Electronics, Nagpur	10/01/2019	30/06/2019	Sachi Ghosekar
VIII Sem Student Internship	Industry Intership	Easygo Techn ologies, Pune	02/01/2019	30/06/2019	Prajakta Ashok Raut
VIII Sem Student Internship	Industry Intership	TCS Nagpur	02/01/2019	30/06/2019	Aditya Hemant Khedkar
VIII Sem Student Internship	Industry Intership	TCS Nagpur	02/01/2019	30/06/2019	Twinkle Sunder Sharma
VIII Sem Student Internship	Industry Intership	TCS Nagpur	02/01/2019	30/06/2019	Prajakta Umesh Duragkar
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3.7.3 – MoUs signed with institutions of national, international importance, other institutions, industries, corporate houses etc. during the year

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs

imaGIS Engineering solutions Pvt Ltd, Nagpur	01/04/2019	Students Projects and seminars	7
Teeside University (UK)	24/04/2018	Student Exchange, Faculty Exchange, Joint research publications, organization of international conferences etc.	0
RWTH International Academy(Germany)	17/04/2018	Student Exchange, Faculty Exchange, Joint research publications, organization of international conferences etc.	0
MIDC Industries Association	26/03/2019	Coteaching Curriculum Development, faculty orientation programs, Student projects and Guest Lectures	8
Know How Solutions Global Pvt.Ltd	19/06/2019	Faculty Student Training and project Development	1
Kratin software solutions pvt. Ltd	16/05/2019	Internship Opportunities	50
Healthcoco technologies pvt. Ltd	19/03/2019	Internship Opportunities	50
Kizora Software Private Limited	16/05/2019	Internship Opportunities, guest lectures etc.	50
GEO Systems Research and Consultants India Pvt. Ltd.,Nagpur	01/05/2019	Consultancy, students Projects and seminars.	5
Remaining List attached	01/07/2018	Student Exchange, Faculty Exchange, Joint research publications, organization of international conferences, Consultancy, Student Projects and seminars, Industry visits etc. List attached.	266
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CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

4.1 – Physical Facilities

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

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development
993	229

4.1.2 – Details of augmentation in infrastructure facilities during the year

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

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4.2 – Library as a Learning Resource

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

Name of the ILMS software	Nature of automation (fully or patially)	Version	Year of automation
JUNO CAMPUS	Fully	Deployed version is GEMS_52208	2014

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	84923	24093722	5681	3865438	90604	27959160
Reference Books	3535	2670879	207	128750	3742	2799629
e-Books	0	0	6039	68171	6039	68171
Journals	143	9353414	76	254840	219	9608254

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

Name of the Teacher	Name of the Module	Platform on which module is developed	Date of launching e-content
Nil	Nil	Nil	01/07/2018

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4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MBPS/GBPS)	Others
Existing	1878	12	200	12	93	183	1602	200	0
Added	50	0	100	0	0	7	43	100	0
Total	1928	12	300	12	93	190	1645	300	0

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

<div align="center">

300 MBPS/ GBPS

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4.3.3 – Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media centre and recording facility
Lecture Capturing System (LCS)	http://rknec.edu/Imp%20Links/MediaCenter.aspx

4.4 – Maintenance of Campus Infrastructure

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

Assigned Budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurred on maintenance of physical facilites
13225000	10673658	71519000	66841753

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

The Administrative Officer and Chief Maintenance Officer of the Institution are responsible for the maintenance of the physical, academic and support facilities. The Institute has an in-house team for undertaking routine electrical, civil, computer, website, MIS maintenance activities. The Institute has outsourced the cleaning of entire campus including all academic and sports facilities to private agency 'Dust Blower' through AMC. Electrical Maintenance: The Institute ensures uninterrupted power supply through 320 KVA sub-station, maintenance of generator set, lighting, power distribution system, solar panel etc. are undertaken as per the requirement. The solar panels are cleaned every eight days by the maintenance team. The maintenance of generator set is carried out once in two months through AMC. Electrical Maintenance In-charge and their team take care of the requests for electrical maintenance work put online through MIS. Civil Maintenance: Construction Maintenance In-charge and the team look after the civil maintenance. The maintenance and repair of water supply systems, buildings, Sewage Treatment Plant (STP), rain water harvesting structures, etc. are carried periodically. STP is operated and maintained under the guidance of SMS Envicare Ltd. Workshops: The workshop in-charge is responsible for the repair, maintenance, upkeep and usage of the workshop. Maintenance of the equipment's is done periodically through MIS. Usage of workshop is monitored through log books. Library: The Librarian manages the working of the central library. Departments have their own libraries which are managed by the department library in-charge. In the central library the

librarian is assisted by assistant librarian, clerical and other support staff. A fully automated air-conditioned library and its digital section is maintained by Computer Network Centre. Separate acquisition and technical processing section ensures effective management of the library. Laboratory: The laboratory in-charge manages the affairs of laboratories along with the technical / laboratory assistant. Yearly stock verification is done by the administrative officer and equipment / instruments are identified for repair / write-off purpose along with laboratory in-charge. The log books are maintained by the lab assistant to monitor the usage of the lab. The modern and expensive equipments are maintained through the AMC. Sports: The Head of Physical education department manages the sports section of the Institute along with the assistant professors and support staff. Dedicated staff maintains open play ground and boys and girls' gymnasiums. The students are supported by trainers. Computers section: The overall management of computer facilities on the campus are managed by central networking and computing (CNC) department. The central computer laboratory and departmental computer laboratories have their own faculty in-charges. The repairing and maintenance of all the computers is done by CNC following standard procedures. Classrooms / Other academic facility: All classrooms are cleaned daily by the outsourced agency 'Dust Blower' through AMC. The building supervisor and construction department is responsible for the maintenance of the buildings and physical facilities including washrooms. Weekly reports about the required repairs are prepared and the compliance is carried out accordingly. Allocation, utilization and maintenance of other academic infrastructure facilities are managed by Administrative Officer.

http://www.rknec.edu/Imp%20Links/docs/STANDARD%20OPERATING%20PROCEDURES%20(SOP)%20MANUAL.pdf

CRITERION V – STUDENT SUPPORT AND PROGRESSION

5.1 – Student Support

5.1.1 – Scholarships and Financial Support

	Name/Title of the scheme	Number of students	Amount in Rupees
Financial Support from institution	Nil	0	0
Financial Support from Other Sources			
a) National	GOI Scholarship, Freeship, AICTE Scholarship	1507	99128367
b) International	Nil	0	0
View File			

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

Name of the capability enhancement scheme	Date of implemetation	Number of students enrolled	Agencies involved
Personal Counselling and Mentoring	01/07/2018	4685	HoDs of all Departments, Faculty of each department is assigned 15-20 students for mentoring from first year to final year.

Yoga, Meditation	01/07/2018	1236	1. Dr. Amrita Yogendra Pande, Yoga Instructor, Pandeay2@rknec.edu, 9049669425 2. Yoga and Medication is in Syllabus of First Year Engineering Syllabus
Language Lab	01/07/2018	1286	1.Mrs. Prachi Ajeet Saoji , First Year Incharge, inchargefyrbe@rknec.edu , 9423811845 2. Prof. B.M.Hardas , Nodal Officer, Non- RCOEM Pragya Kendra(Sanskrit Center), http://rknec.edu/Academics/Departments/Sanskrit.aspx, hardasbm@rknec.edu, 9657720
Remedial Coaching	01/07/2018	1486	1. Dr. Avinash J. Agrawal, Dean – Academics, deanacademics@rknec.edu, 9422830245 2. Faculty of each department conduct remedial classes for acedamcally weak students from first year to final year.
Soft Skill Development	01/07/2018	1932	1. Dr. Deepshikha Mehra, HOD – Humanities, hodhumanities@rknec.edu, 9423403303 2. Dr. Anupam Kher, Dean of Training Placement, tandp@rknec.edu, M.No. 9373289363 3. Head of Department of all Departments 4. Mr. Tanmay Dixit, Director, CPAG, Graphol
View File			

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

Year	Name of the	Number of	Number of	Number of	Number of

	scheme	benefited students for competitive examination	benefited students by career counseling activities	students who have passedin the comp. exam	studentsp placed
2019	Guidance for competitive examinations and Career counselling	359	0	149	920
		View File			

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

Total grievances received	Number of grievances redressed	Avg. number of days for grievance redressal
1	1	1

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Nameof organizations visited	Number of students participated	Number of stduents placed	Nameof organizations visited	Number of students participated	Number of stduents placed
List attached	1111	833	List attached	87	87
		View File			

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

Year	Number of students enrolling into higher education	Programme graduated from	Depratment graduated from	Name of institution joined	Name of programme admitted to
2019	87	List attached	List attached	List attached	List attached
2019	1	B. E. Mechanical Engineering	Mechanical Engineering	M.S. Worcester Polytechnic Institute, Massachusetts	M.S
2019	1	B.E. Civil Engineering	Civil Engineering	BITS PILANI	M.Tech
2019	1	B. E. Computer Science and Engineering	Computer Science and Engineering	TU Delft ,Delft University of Technology, Netherlands	M.S. in Data Science & Technology
2019	1	B.E. Electrical Engineering	Electrical Engineering Department	University of South Florida	MS in Electrical Engineering
2019	1	B.E.	Electronics	University	MS

		Electronics and Communication Engineering	and Communication Engineering	of Virginia Charlottesville, Virginia	
2019	1	B. E. Electronics Engineering	Electronics Engineering	UNSW, Sydney, Australia	Master's degree in Telecommunications Engineering
2019	1	B. E. Information Technology	Information Technology	San Jose University, California	MS
2019	1	B. E. Industrial Engineering	Industrial Engineering	Buffalo University, New York, USA	MS, Industrial and Systems Engineering
View File

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

Items	Number of students selected/ qualifying
GATE	67
CAT	30
GRE	21
TOFEL	13
Any Other	18
View File	

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

Activity	Level	Number of Participants
Cultural	Intra-collegiate	3930
Sports	Inter-collegiate	437
Sports	Intra-collegiate	1843
View File

5.3 – Student Participation and Activities

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

Year	Name of the award/medal	National/ Internaional	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
2019	Inter University Table Tennis	National	1	0	17ECU1069ECU1	Samruddhi Khamgaonkar
2019	Won 1st rank in Martial art (Gatka)	National	1	0	9064 3181 9208	Jaskirath Singh

	National level					
2019	Won 1st rank in International Karate Championship 2018, Nagpur	International	1	0	2086 8527 7224	Shubham Paliwal
2019	All India Competition of Music and Dance, All India Dancers association	National	0	1	15CEU12CEU1	Shriranjini Iyyer
2019	Nagpur united Model nation Association with Indian university Inter zonal youth festival JilhaStariyaYuvaMahotsav	National	0	2	16CEU25CEU2	Hrishikesh Bang Atharva Jayant Upagade
2019	Talks 2.0	National	0	1	16CEU139CEU1	Medhaj Nandan
[View File](#)						

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

The Institute encourages participation of student representatives in various decision making academic and administrative committees and the details are as under: Students' Representative Council (SRC): The SRC is functioning in accordance with the guidelines led down by the Government of Maharashtra University Act 1994. Dean –SRC along with the student council members, outline and plan the activities throughout the year as per the academic calendar. Students are oriented in various life skills such as Oral and Written Communication, Leadership, Management and Administrative skills through organization of following programs: Gyanodaya: It is an induction program organized for the first year students to sensitize them towards exploring their academic interests, inculcate in them the ethos and culture of the Institution and inform them about academic and administrative functioning of the Institute. Also a broader view of different committees, clubs etc. and their activities is presented during the program. Aaruni: It is a freshers' event organized specifically for the first year students which includes sports and cultural events to mark the Fresher's day. Pratishruti: It is a three day annual cultural event of the Institute and has earned the distinction of being the largest inter collegiate cultural fest in entire central India which is exclusively organized and administered by the students under the guidance of

the faculty. Student representation on Academic bodies: Internal Quality Assurance Cell (IQAC): Two undergraduate students are nominated on IQAC.They participate in the decisions regarding the quality initiatives of the institute. Board of Studies (BOS): One student representative from each programme is nominated on respective BOS to incorporate their inputs in the process of design and development of curricula, teaching learning practices etc. Unfair means Committee: This committee has one student member nominated by SRC. Student representation on Administrative committees: College Development Committee (CDC): The Cultural Secretary of the SRC is member of CDC. Mess Committee: The mess of the Institute runs with the active participation of the student representatives from all years. Students' mess In-charge decides the menu in consultation with other student members of the committee. The quality and hygiene of the canteen is monitored by student representatives along with the other nominated faculty members. Women Empowerment Cell (WEC): One girl student representative is nominated on WEC. Anti ragging committee: Two students representative (one girl and one boy) are nominated on Anti ragging committee. Internal Complaint Committee (ICC): One student each from undergraduate, postgraduate and Ph.D. programme nominated as members of ICC. Equal Opportunity Cell: Secretary Student council is nominated as the member of this cell. Student representation on department/professional societies/Training Placement: Every department forms students' society and these students are actively involved in organising different co-curricular and extracurricular activities leading to their overall personality development. Students are also encouraged to form professional society student's forum like IEEE, CSI etc. so as to promote professional networking and development. Students TP team are actively involved in the process of conduction of all activities related to placements.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

The RCOEM Alumni Association was established in the year 1995 with an aim to build an actively engaged alumni network which connects with alumni through a diverse set of events and services. The association is registered under section 8(1) of the companies act, 2013. The Alumni Network ensures alumni participation in various institutional initiatives in the form of mentoring the students, conducting workshops and guest lectures, providing placement and internship opportunity to the students. The proceeds of the association corpus are being used to provide financial assistance to economically weak students since 2011-12. RCOEM Alumni Association is spread across the globe having its chapters in U.S.A, U.K, Singapore, Middle East and in major cities of India including New Delhi, Mumbai, Pune, Bangalore, Jaipur, Hyderabad, Chennai, and Kolkata. At present, more than 14,500 members are registered with alumni association (website 'www.rknecalumni.org'). Mr.Tushar Marghade, an entrepreneur, is the President of Alumni Association. The association plays an active role in building a cohesive collaboration between the Institute, its alumni and other eminent educational Institutes in areas such as education, research, training, industry relations, innovation, infrastructure development, global reach collaborations and outreach. It has been active in ensuring that its esteemed alumni continue to be a part of the institutional ecosystem through the following activities: Participation in curriculum development and effective content delivery by being a member of Board of Studies (BOS). Providing opportunities for placement, internships, site and industry visits. The entrepreneur alumni of the Institute in collaboration with Technology Business Incubation center (TBI), mentor and guide the budding entrepreneurs. Providing sponsored scholarships (Rs.16,50,000/-) and donations (Rs.50,000/-) in the last five years towards student welfare. Organization and delivery of

guest lectures on emerging topics and technologies, career guidance and awareness regarding higher education in India and abroad. Conduction of counselling session for parents who wish to admit their wards to engineering programmes. Providing quality inputs for overall development of the Institute through IQAC (Internal Quality Assurance Cell), College Development Committee (CDC). Mentoring and guiding the students for their academic and career development. The Institute observes annual Alumni Day 'Conclave' to reinforce the connection with its alumni. The departments also organize alumni meet to foster relationship between present students and alumni. The Institute has started the tradition of inviting distinguished alumni as chief guest on the occasion of annual social gathering. Annual Alumni Newsletter 'Reminiscence' is published to highlight the contributions and activities of Alumni in various fields.

5.4.2 – No. of registered Alumni:

14500

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

587410

5.4.4 – Meetings/activities organized by Alumni Association :

11

CRITERION VI – GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 – Institutional Vision and Leadership

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

The institute practices decentralization and participative management to ensure effective administration involving all the stakeholders in decision making process. Below given are sample cases. 1. Process of Curriculum and Programme Review: Curriculum is periodically reviewed to meet the current industry trends and change in technology in the Board of Studies (BOS) with active participation of faculty, subject experts, students and other stakeholders. Each department has constituted Programme Assessment and Quality Improvement Committee (PAQIC) that proposes modification in curriculum to BOS. After due deliberation, in the BOS meetings , the recommendations are further discussed in Academic Council which includes department heads, deans, industry representative, alumni and University representatives as its members. Thus the recommendations from every stake holder gets due consideration in the framing of the curriculum. 2. Participation in Financial Decision Making The head of the department (HOD) in consultation with the faculty members proposes annual budget covering various heads of expenses including purchase of lab equipments, consumables, research and development etc. The proposed budget is discussed with the Principal and is then approved by the Finance committee with faculty as one of its member. Based on the provisions in the budget, the departments are empowered to make minor purchases. The major purchases are referred to the Steering Committee. The Steering Committee in its weekly meetings, reviews the recommendations of the departments in consultation with the HOD. After due deliberation, purchases are initiated. Similarly purchases/incentives/scholarships are proposed by various deans and functional heads from time to time. The process for the approval and disbursement of fund follows the above mentioned procedure. Thus financial decisions involve collective decision making. 3. Continuous Assessment and Gradation: The mode of continuous assessment, calculation and moderation of grades that are assigned to the students is decided by the respective course teacher in consultation with the HOD. 4. Decentralization of M. Tech. Examination: For effective

conduction of examination and speedy declaration of results, all M. Tech. Programme post examination processes are decentralized and answer sheets are evaluated at the department level.

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

Yes

6.2 – Strategy Development and Deployment

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

Strategy Type	Details
Admission of Students	The admissions to 29 of sanctioned intake (CAP quota) and 51 of sanctioned Intake (Linguistic Minority Quota) are done through Centralized Admission Process (CAP) of Government of Maharashtra. The CAP is merit based admission process administered by State CET CELL which is the competent authority for admissions. The admissions to remaining 20 seats (Institute level Quota) is done at the institute level strictly as per merit i.e. as per merit rank given by State CET CELL. Wide publicity is given to admission process through website and newspaper advertisement. CAP and Institute level admissions are done through multiple rounds.
Industry Interaction / Collaboration	RCOEM has always emphasized on strong industry institute relationship. • Participation of industry professionals in curriculum design, delivery and assessment • RD Laboratories, Center of Excellence sponsored by industries • Joint research programmes and field studies by faculty and experts from industries • Consultancy undertaken by the faculty for industries • Industrial testing by faculty at Client site or in Institute laboratory • Industry exposure to students and faculty through Industry Visits, Internship, Live Industry projects etc. • Signing of MoU between the Institute and industries • Workshops, conferences and symposium with joint participation of the faculty and the industries
Human Resource Management	Welfare Schemes for Staff, Faculty and Students: • Group insurance for Staff, Faculty and Students. • Recruitment of teaching and non-teaching staff as per requirement and rules. • Orientation programmes for newly recruited faculty. • Development programmes for non-teaching staff. • Encouragement to faculty for attending FDP, STTP,

	Industry training, Ph. D. etc. • Leaves applicable as per rules. • Incentives for Publication to Faculty. • Incentives for Publication to Students. • Share in Consultancy to Faculty.
Library, ICT and Physical Infrastructure / Instrumentation	Quality improvement initiatives by library are as follows: • Revised the Book Bank sets as per new AICTE model curriculum • Subscribed e-books along with two new e-journals i.e. Science Direct and Springer • Organized a workshop on the topic "How to write effectively" • Organized a Book Exhibition in campus for faculty and students The ICT facilities and infrastructure available in the library are as follows: • Digital Library • Bar coding of Books • Scanning and Xeroxing facility • Availability of e-journals • Use of Databases-DELNET • Adequate seating arrangement in the library
Research and Development	The college has initiated the following quality strategies for improving the research outcomes. • Started full-time PhD program with teaching assistantship. • Started admission in full-time PhD under AICTE NDF scheme. • Started PhD research centre for the subject Business Administration Business Management. • Increased the intake of PhD seat for the subject Computer Science Engineering and Electronics Engineering. • Started one semester Research Internship Program for the final year UG students. • Three international conferences organized by the departments.
Examination and Evaluation	As part of continuous improvement initiatives, the office of Controller of Examinations started issuing e-transcripts and other documents in electronic form to students and/or to the foreign university as desired by the student, thus making the process fast and efficient. The mechanism for monitoring of evaluation and result declaration was improved, thus resulting in faster declaration of results. In order to cater to the psychological needs of students involved in unfair means during examinations, the role of psychological counselor was introduced. Each student involved in such malpractice undergoes a session with the counselor. CCTVs are installed in the complete examination office and premises to improve security

	and traceability of visitors.
Teaching and Learning	A concept of Co-teaching is introduced where a part of syllabus is taught by Industry experts. It helps student in understanding application of theoretical concept to solve real world problems. To promote self-learning among students Credit transfer scheme is introduced. The scheme allows transfer of credit against any one open elective if a student successfully completes a MOOC course offered by NPTEL or Coursera. Honors/Minor programs are proposed where a student may opt for additional 20 credits in his/her own or other department to get Honors or Minor certificate respectively. Faculties have prepared video lectures their subject which helps student in better under understanding.
Curriculum Development	The Institute has prepared revised curricula of all UG programs for progressive implementation from 2018-19. The respective Boards of Studies have designed the revised curriculum in line with AICTE model curriculum. The mandatory components of AICTE model like 160 credit structure, Student Induction Program, six-eight week internship, increased number of professional and open electives, yoga/sports and mandatory audit courses have been incorporated in the schemes of all UG programs. In addition, many new initiatives which would help to nurture the enhancement of academic flexibility, employability and entrepreneurship are included. Curriculum of MBA program is also revised for progressive implementation from 2018-19.

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

E-governace area	Details
Administration	The module looks after general administration work related with purchase, stock and inventory. It also incorporates the registrar module which implements the policies and procedures of the Institute with regards to Employee Muster, Service book and Leaves.
Finance and Accounts	The module looks after receipt of fees and helps in disbursing sponsorship amount received from the government

	agency to the respective students.
Student Admission and Support	The admission module in GEMS automatically enables on-line form filling, scrutiny of all the forms, and generates the merit lists (provisional as well as final). It also handles admission related grievances online. At the end of the admission process the student gets registered in a particular stream and for that particular session.
Examination	The module consists of various activities related with the configuration, conduction, and final result processing of students belonging to all departments and courses. It begins with exam configuration and ends with Result Declaration for Regular and Ex Examinations. The complete process of result processing has been automated, due to which the time taken to declare result is considerably reduced. It successfully integrates with the academic module for the purpose of detention list generation and internal marks uploading. Finally each department does grade moderation in a decentralized way. This speed up the exam process and the results get declared within 10-15 days of completion of semester end examination.
Planning and Development	Planning: 1. Academic Planning: In academic planning, planning is done for the next semester. In planning the scheme, student subject allocation, faculty subject allocation etc. are entered. 2. Event Planning: In event planning, different events like international conference, STTP, Student society events etc. are created. Applicants can register for the event and can do the payment through online payment mode. 3. Infrastructure Booking: In infrastructure booking different infrastructure of college for various events can be booked. 4. Placement Planning: In placement planning different future placement drives are planned.

6.3 – Faculty Empowerment Strategies

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

Year	Name of Teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support

2019	Remaining List attached	Remaining List attached	Remaining List attached	1201798
2019	Rajiv Khaire	Nil	Confederations Indian Industries	17700
2019	Rajiv Khaire	Nil	Quality Circle Forum of India membership	6195
2019	Rajesh Pande	Nil	Confederations Indian Industries membership	18880
2019	Richa Khandelwal, Avinash Agrawal, Rajesh Pande	Nil	IEEE Membership	18040
2018	Kanchan Naidu	Registration traveling expenses for international conference at ghana mba dept, . business management economics and social sciences. 25-26 July 2018	Nil	44834
2018	Pritam Bhadade	Registration fees traveling for conference at pune mba dept. communication, commerse connectivity and culture. 17 December 2018	Nil	10570
2018	Ankita Harkare	Registration fees traveling expenses for conference at indonesia. Tele communication computing electricals electronics and control. 18-21 Sep 2018	Nil	55940
2018	Amol Manikrao Andhare	Payment Of Short Term CEP Cource Powai Mumbai	Nil	10430

2018	Jayu Kalambe	Conference registration fees travel expenses attending international conference singapore. 13th annual ieee international conference on nano engineered and molecular system. 22-26 April 2018	Nil	62618
		View File		

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

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
2019	List attached	List attached	01/07/2018	30/06/2019	2656	87
2018	The AICTE -ISTE Sponsored Induction / Refresher Program. On Virtual Simulation Environment for Comm unication and Embedded System Design (VSECESD)	--	26/11/2018	01/12/2018	36	0
2018	Three-day Course on "Maynard operation sequence t echnique(M OST)" for Industry Personnel	--	27/12/2018	29/12/2018	14	0
2019	Samvaad 2019	--	23/02/2019	23/02/2019	26	0

2019	Sales Competencies and Selling Techniques for Sales People at LT Nagpur	--	14/03/2019	14/03/2019	40	0
2019	Two Day Visit of Padma Shri Dr. Nagarajan Vedachalam to RCOEM	--	15/03/2019	16/03/2019	31	0
2018	One Day Orientation Programme for Newly Appointed Faculty Members of RCOEM"	--	05/07/2018	05/07/2018	30	0
2018	Workshop on "Introduction to Functional Grammar For Research and Workplace Documentation" by Ms. Pratishruti Singh, Assistant Professor, Department of Humanities, RCOEM for Faculty	--	16/11/2018	16/11/2018	13	0
2018	--	Workshop on Introduction of Spread Sheet Basics by Prof. Rahul Mohare, Department of Management	16/10/2018	17/10/2018	0	24

		Technology for Non-Teaching Staff of RCOEM				
2019	--	On the occasion of International day of Yoga, A Yoga practice session was organized at RCOEM.	21/06/2019	21/06/2019	0	63
View File						

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

Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration
Virtual Simulation Environment for Communication and Embedded System Design (VSECESD)	1	26/11/2018	01/12/2018	6
STTP 3D Technology and Embedded Electronics	1	13/11/2018	17/11/2018	5
FDP for New NAAC Methodology	1	04/12/2018	06/12/2018	3
Advanced Trend and technologies in Wired and Wireless Networks	1	22/04/2019	27/04/2019	6
Training Programme on Internet of Things(IoT)	5	01/11/2018	02/11/2018	2
Environmental management: challenges and solution	1	28/09/2018	29/09/2018	2
National Seminar on	1	08/09/2018	09/09/2018	2

Recent Advances in Infrastructure Development				
Hands on Training on Non Destructive Testing	2	28/03/2019	29/03/2019	2
Faculty Development Program for Student Induction	1	05/07/2018	07/07/2018	3
Remaining List attached	122	01/07/2018	30/06/2019	0

[View File](#)

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

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
231	280	89	217

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
• Gratuity • EPF • Medical Leaves • MediClaim Insurance Scheme • Group Insurance Scheme • Staff Co-operative society	• Gratuity • Medical Leaves • MediClaim Insurance Scheme • Group Insurance Scheme • Staff Co-operative society	• Medical facilities • Accidental Insurance Schemes • College offers partial/complete financial support from 'Students Welfare fund' to students who are unable to pay their tuition fees and help them complete their Engineering • Alumni offer financial support to meritorious students and pay their complete one year tuition fees every year • Mentoring and Counseling, Career Guidance, Student Chapters • First aid unit in every department / building

6.4 – Financial Management and Resource Mobilization

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

The Institute has adopted transparent policy with regards to external and internal financial audits. The internal audits are carried out monthly. The internal financial audits were carried out by M/s Nandgaokar and Co. and M/s Jain, Nandgokar and Shah and Co for session 2018-19. The verification is carried out on the following areas and the report is submitted to the Principal and Management. • Cash Vouchers • Bank Vouchers • Ledger Payroll • Trail

Balance • Payroll Journal Vouchers The compliance report based on the observations of the internal auditor, if any, is submitted to the Steering Committee. External audit is also regularly carried out on yearly basis. Compliance on observations, if any, made in the audit reports are promptly carried out by Finance Officer and are communicated to the Management, for subsequent submission to statutory auditor. The auditing agency which has carried out the external audit for session 2018-19 is M/s S. D. Paranjpe and Co.

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

Name of the non government funding agencies /individuals	Funds/ Grnats received in Rs.	Purpose
IIT Bombay	152080	Teachers Enrichment Workshop 'Linear Algebra, Group Theory and Enumerative Combinatorics' organized by Department of Mathematics , RCOEM, Nagpur
[View File](#)		

6.4.3 – Total corpus fund generated

0

6.5 – Internal Quality Assurance System

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

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	Yes	External Experts	Yes	ISO
Administrative	Yes	External Experts	Yes	ISO

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

Parents are involved and contribute in different initiatives and give their valuable suggestions through their representation in: 1. Induction Programme of their wards (First year) on the first day of College every year. 2. Parent teacher meet is conducted once every semester. Feedback from the parents is taken during these meetings. Feedback on Curriculum is also taken from parents. Apart from this the class teacher meets the parents whenever necessary. 3. Parents from industrial sector support for enhancing industry institute interaction and organization of industrial visits for students. 4. Parents are on the Internal Quality Assurance Cell (IQAC) committee of the institute. Their inputs and suggestions are given due consideration.

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

1. Workshop on Introduction of Spread Sheet Basics was organized for Non-Teaching Staff of RCOEM on 16th -17th October 2018. 2. Mock drill of Fire Extinguisher Cylinder for Non-Teaching Staff of RCOEM on 9th May 2019. 3. On the occasion of International day of Yoga a Yoga practice session was organized for Non-Teaching Staff of RCOEM on 21st June 2019.

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

- The scheme and curriculum of UG programmes based on AICTE Model curriculum is designed and implemented. • Establishment of SWAYAM – NPTEL local chapter. Recognized as "Best New LC" outside the top 100 rated Local Chapters based on performance in NPTEL Online Certification courses, July–December 2018. • Establishment of Media centre for video lecture recording. • Provision made for six months research internship for students. • Institute received National Doctoral Fellowship scheme of AICTE. • GIZ under German Federal Ministry for Economic Cooperation and Development (BMZ) for innovation promotion in MSMEs scheme implemented. • Green Audit conducted. Green Certificate awarded to institute in recognition of the organization efforts for sustainable development.

6.5.5 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	Yes
b)Participation in NIRF	Yes
c)ISO certification	Yes
d)NBA or any other quality audit	Yes

6.5.6 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
2019	List attached	01/07/2018	01/07/2018	30/06/2019	0

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CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 – Institutional Values and Social Responsibilities

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

Title of the programme	Period from	Period To	Number of Participants	
			Female	Male
Financial Literacy Seminar	08/03/2019	08/03/2019	15	0
Health Awaerness Camp (Dental checkup, Gynaecologist, Diabetes checkup)	02/02/2019	02/02/2019	125	125
Female students Health Awareness Seminar	14/01/2019	14/01/2019	123	0
Bone Density Checkup Camp	06/09/2019	06/09/2019	200	0
Gynaecologist Lecture for	15/10/2019	15/10/2019	60	0

female students					
Bone Density Check up Camp and health check up camp	14/08/2018	14/08/2018	101	0
Dental Check up Camp	01/08/2018	01/08/2018	65	0

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

Percentage of power requirement of the University met by the renewable energy sources
53.47 Percentage of power requirement of the institute is met through renewable energy sources.

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	5
Provision for lift	Yes	5
Ramp/Rails	Yes	5
Rest Rooms	Yes	5
Scribes for examination	Yes	5
Special skill development for differently abled students	Yes	5
Any other similar facility	Yes	5

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
2019	1	0	10/02/2019	01	Pool campus Drive of Cognizant	Placement of other Institute students	128
2018	0	1	11/10/2018	01	Baba ki Duj	Social and religious acivity	346
2018	1	0	28/09/2018	01	Pool campus Drive of InfoCepts	Placement of other Institute students	675
2018	1	0	19/09/2018	01	Pool campus Drive of LT	Placement of other Institute students	651

2019	1	0	23/01/2019	01	Pool campus Drive of Tech Mahindra	Placement of other Institute students	119
2019	1	0	28/03/2019	01	Pool campus Drive of Afcons	Placement of other Institute students	103
2018	0	1	03/09/2018	01	Jamnmashatmi	Social and religious acivity	402
2018	0	1	23/10/2018	01	Kojagiri Utsav	Social and religious acivity	142
2019	0	1	03/04/2019	01	Recreational Activities for the residents of Vanaprasthashram- An old age home	Emotional Wellbeing of the residents of Old-age home	1
2018	0	1	29/07/2018	01	Global Tiger Day – awareness programme across some schools in Nagpur city	Tiger conservation awareness	25

[View File](#)

7.1.5 – Human Values and Professional Ethics

Title	Date of publication	Follow up(max 100 words)
Code of Professional Ethics and Human Values	03/07/2018	Code of Professional Ethics is prepared in 2011–12 session as prescribed by UGC in UGC Regulation on Minimum Qualification for Appointment of Teachers and Measures for the Maintenance of Standards in Higher Education 2010. All newly joined teachers are made aware of this Code of Professional

	Ethics and Human Values.
Code of Conduct for Teachers	03/07/2018	Code of Conduct is available for Teachers. All newly joined teachers are made aware of the Code of Conduct.
Code of Conduct for Students	03/07/2018	Code of Conduct is available for Students. All newly admitted students to first year are made aware of the Code of Conduct for Students and their signatures are taken on the Code of Conduct.

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Health Checkup	02/08/2019	02/08/2019	180
Gramin Sampark	11/02/2019	11/02/2019	80
Annakoot	18/11/2018	18/11/2018	200
Digvijay Din	11/09/2018	11/09/2018	1002
International Yoga Day	21/06/2019	21/06/2019	63
Independence Day	15/08/2018	15/08/2018	200
Republic Day Celebrations	26/01/2019	26/01/2019	200
Orphanage Visit	25/12/2018	25/12/2018	43
Tree Plantation	01/01/2019	01/01/2019	40
Special Able Children Program	08/02/2019	08/02/2019	200

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

Following initiatives have been undertaken to make the campus eco-friendly: 1] Bicycle in campus 2] Paperless office 3] Plastic ban on campus 4] Rain water harvesting 5] Use of LEDs for power needs 6] Effective recycling of waste 7] Solar Panels are installed

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

Best Practice 1: 1. Title of the Practice: One Semester Internship: Industry, Start-up, Research and Development and MSME 2. Objective of the Practice: To impart quality education in the field of Engineering and Management and to give exposure to industry practices thereby increasing the employability of the students, one-semester internship is offered to students in following domains: • Internship in core/IT/allied industries. • Internship at RCOEM Technology Business Incubators Foundation (RCOEM-TBI) under the mentorship of faculty and industry personnel to foster creativity, promote innovation and nurture entrepreneurship. • Internship on research projects to familiarize students with contemporary research trends. • Internship at Micro Small and Medium

Enterprises (MSMEs) to leverage the capability of students and faculty to provide an effective solution to the industrial problems. 3. The Context: • To ameliorate the employability prospects, imparting appropriate skills for the demanding job market is essential which necessitates changes in the curriculum. Hence one-semester internship for under graduate students and one semester / year internship for post graduate students are provided. The opportunities provided to the students for internship are with industry, research projects under faculty, RCOEM-TBI Foundation and MSME. • Many industries offering higher packages do not hire students directly. Students need to supplement their knowledge, and through these internships, the students acquire necessary skills and bring new perspectives to problem solving eventually leading to hiring by the same industry. Also curriculum revision can be made based on feedback from Industry/ students going for internship. • Working on a research project enables the learners to adapt research culture by identifying problems, experimentation and thereby drawing conclusions. • RCOEM TBI Foundation provides an opportunity for the students to work on their business/start-up ideas, thus helping them in preparing the business plan, networking, identifying funding agencies for technology commercialization. • Internship with MSME provides an opportunity to identify the industry problems and provide feasible solutions by leveraging student capabilities under the mentorship of faculty. 4. The Practice: Internship at Industry • The Institute aggressively promotes and provides six month internship opportunities to the students all across India. • The industries offering internships select the students on the basis of written test, GD and PI. The students undergo Aptitude and Soft Skill training through series of online tests from various agencies like AMCAT, CO-cubes, and FNAT etc. which ensures continuous improvement in the skills of students thus leading to increased selections for internships. • Selected students are required to complete their summer/winter term and work dedicatedly in the respective industry on the specified problem statement. Many interns are offered jobs after completion of internship. Internship at MSME and GIZ • The Institute has been selected for the implementation of the Rajiv Gandhi Science and Technology Commission (RGSTC) -Technology Information, Forecasting and Assessment Council (TIFAC) MSME Internship Scheme of Government of India. • The Institute has also been selected as a Host Institute to offer internship to students under 'Student Inno Project' supported by German Corporation for International Cooperation (GIZ). RD Internship at RCOEM • RCOEM Research Internship is designed to be an educational and professional research experience and this opportunity is available for specific research projects. • The faculty working as Principal Investigator (PI) briefs about proposed research to the potential interns. The selected interns are required to work full time on the project for six months under the supervision of PI. Internship at RCOEM -TBI Foundation • Internship at RCOEM Technology Business Incubators Foundation provides opportunity to students to work on business/start up ideas. • This sows the seeds of innovation, entrepreneurship and helps students in product/technology development, preparing business plan, networking and identifying funding agencies for technology commercialization. 5. Evidence of Success: • This practice helps in developing learner centric environment to attain programme outcomes and achieve graduate attributes. • The experiential learning enhances team spirit, learning capabilities and soft skills and makes them socially responsible. • Students' proactive involvement in research projects and internship leads to patents, publications, start-ups and also enhances success rate of placements. 6. Problems Encountered and Resources Required: The slow pace of industrialization, absence of Original Equipment Manufacturers (OEMs), agriculture and service-based economy of Vidarbha region makes it challenging for the Institute to secure internship for all students. Following are the challenges in general faced and the resources required: • Identification of industries to provide opportunity to large number of students with different learning ability and career goals. • Providing opportunity to

large number of students with stipend. • Identifying students with entrepreneurial mind set and their sustainability. • Identification of motivated students for research. • Uniform assessment of industry electives and project by the industry mentor. Best Practice 2: 1. Title of the Practice: Financial Aid to deserving students 2. Objectives of the Practice: It has been observed from the profile of the students admitted to the Institute that there are many students from weak economic background. Also, the need was felt to recognize top academic performers in the Institute. The objectives of the practice are: • To support the economically weak students for continuation of their studies. • To provide scholarships to academically bright students and those excelling in extracurricular activities. • To provide assistance to the students during emergencies and eventualities. • To inculcate competitiveness amongst students. • To foster a sense of social responsibility amongst beneficiaries. 3. The Context: It was noted that many students are from financially weaker backgrounds and they find it difficult to afford the cost of higher education. Many of them don't qualify for Government schemes and financial assistance too. In order to facilitate their aspirations, the institute took initiative to establish the Students' Welfare Fund. Faculty and alumni were requested to contribute for the cause. It started with one day salary donation from faculty and subsequently the contributions poured in from alumni as well. Also as a part of Institutional social responsibility, emergency financial aid is provided for the students under exigencies. Award of merit scholarships to motivate the students to put their best efforts towards the achievements in academics, co-curricular activities leading to overall personality development irrespective of their economic background. 4. The Practice: Financial Assistance: • Due to the ever-increasing financial burden of professional education, the Institute felt the need to provide financial aid to ease the burden for needy students to enable them to complete their professional studies. Students' Welfare Committee was established in the year 2010 to provide partial financial assistance to financially weak students admitted. This assistance is provided either for tuition fee top-up, hostel fee, mess fee, examination fee or in case of emergencies and exigencies. Besides, the committee also provides necessary guidance to the students who can avail the education loan to complete their studies. • The financial assistance is provided out of corpus fund that is maintained in the bank account "SRKNEC Students' Welfare Fund (SWF)" in UCO Bank. Merit Scholarships: • To inculcate the spirit of competitiveness amongst students, incentives in the form of scholarships are awarded for academic toppers, those excelling in research, sports, cultural activities, and higher studies. 'Best Student of the Year' award is also conferred for best all round performance. For higher classes, the scheme is implemented from session 2018-19 and for the first year, from 2019-20. The number of students benefitted are 1090 and the quantum of merit scholarship for academic performance, research, sports, cultural activities etc. is Rs. 32,11,000/- • Drawing inspiration from the institutions legacy of pro-poor-student attitude and action, Institute is also paying the tuition fee for the wards of supporting staff. 5. Evidence of Success: Few parameters are as below, • Increased retention. • Enhanced competitiveness. • Enhanced participation in National and International technical competitions/professional body activities. • Improved performance in cultural contests. • Improved performance in sports and competitive examinations. The students supported by SWF, could complete their studies and are placed with companies like LT tech Services, Varroc, Cognizant technology solutions, Infocepts etc. Had they been not supported, they probably would have discontinued their studies. The practice of awarding merit scholarships recognizes high achieving students for academics, extra-curricular and co-curricular activities leading to competitiveness amongst students. Around 297 students were benefited from scholarship scheme. The review results of the aid indicate that it not only enables the students to acquire higher education but also moulds them to be

responsible citizens. 6. Problems Encountered and Resources Required: •
Verification of the financial backwardness of the aspirants was yet another
challenge. • To continue the activity of Students' Welfare Fund in true spirit.
• To persuade needy students to continue with their studies.

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

http://rknec.edu/Imp%20Links/Docs/Best%20Practices.pdf

7.3 – Institutional Distinctiveness

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

Sustaining Quality Education through Transparent Governance: Institute has
adopted TRANSPARENCY as a prime governance policy. Institute's distinctive
features emanate from this policy adopted since inception and a constant source
of inspiration and energy required for achieving its vision. Transparency is
one of the prime tenets of good governance practices. Adoption of Transparency
inevitably results in embracing other good practices viz. responsiveness,
equitability, inclusiveness, efficiency, following rule of law, consensus-
oriented decision making and participative management. Since inception, RCOEM
has been following Transparency in all its processes viz. Admission,
Administration, Finance and Students' evaluation Teaching Learning Process.
Adopting transparency has major fallout in the form of achieving
trustworthiness in society, confidence for faculty and clarity of educational
process for students. Some initiatives in the priority areas are: A)
Transparency in Admissions: • Even 21 percent management quota seats (earlier
71) are filled strictly through merit in open counseling process. • Merit lists
displayed prior to admissions and grievances if any are addressed. • Only fees
approved by Fee Regulatory Authority accepted through demand draft. B)
Transparency in Administration: • To make the students / faculty aware, all the
relevant acts, directions, regulations, ordinances of university / government
authorities uploaded on institution's website. • Service books regularly
updated and signed by faculty and staff. C) Transparency in Financial
Management: • Prompt implementation of Pay Commission and DA hikes. • All
salaries deposited in beneficiary's bank accounts. • Minimal cash transactions.
• Purchases through well-defined processes and by an experienced purchase
committee. • Regular financial audits, financial statements made available on
institute's website. • Faculty members on financial committee. D) Transparency
in students' evaluation and Teaching-Learning Process: • Complete freedom to
faculty in curriculum design and evaluation process. • Well defined mechanism
for evaluation related grievances of students. • All valued answer sheets are
made available to students for scrutiny. • Parents have access to the academic
performance of their wards through regular Parent Teacher Meetings. • Students
are members of BoS and other units like anti-ragging committee, internal
complaints committee etc. Adoption of Transparency as an integral part of
governance has major outcomes in the form of improved institutional performance
in the thrust areas of: • Excellence in Academics • Skill enhancement through
Experiential Learning • Exploration of Knowledge through Research • Promote
Development of Professional and Ethical values • Excellent Placements and
Internships • Social Recognition • Intellectual Patronage by Academicians of
Repute

Provide the weblink of the institution

http://www.rknec.edu/Imp%20Links/docs/Institutional%20Distinctiveness.pdf

8.Future Plans of Actions for Next Academic Year

1. Creation of Centre of Excellence in the areas of expertise 2. Proposal for Restructuring of Programmes for UG and PG 3. Conduction of External Academic Audit 4. To focus on Full time PhD admissions 5. To increase the number of MoU's with industries to help students for internship and placement 6. To encourage faculty for Research 7. To increase Industry Institute Interaction activities 8. Accreditation for two UG Programmes 9. Extension of NBA for four UG Programmes 10. Apply for 2nd Cycle of NAAC Accreditation 11. Improve NIRF Ranking 12. Organization of International Conferences 13. Apply for ATAL Ranking of institutions on innovation achievements 14. Initiation of space club for students 15. Smart Class Rooms across all departments