



Shri Ramdeobaba College of Engineering and Management, Nagpur

An Autonomous Institute Permanently Affiliated to Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur

NAAC Accredited with 'A' Grade

Internal Quality Assurance Cell (IQAC)

Annual Quality Assurance Report (AQAR 2017-18)

www.rknec.edu

Submitted to

**National Assessment and Accreditation Council (NAAC)
Bangalore - 560072**

CONTENTS

Particulars		Page No.
Annual Quality Assurance Report (AQAR) of the IQAC		
Part - A		
Details of the Institution		1 – 4
IQAC Composition and Activities		5 – 16
Part - B		
Criterion - I	Curricular Aspects	17 – 18
Criterion - II	Teaching, Learning and Evaluation	19 – 26
Criterion - III	Research, Consultancy and Extension	27 – 48
Criterion - IV	Infrastructure and Learning Resources	49 – 52
Criterion - V	Student Support and Progression	53 – 62
Criterion - VI	Governance, Leadership and Management	63 – 94
Criterion - VII	Innovations and Best Practices	95 – 103
Annexure		
Annexure - I	Academic Calendar	104 – 111
Annexure - II	Feedback Analysis	112 – 115
Annexure - III	Revision / Updates in Regulations	116 – 124
Annexure - IV	Two Best Practices of the Institute	125 - 127

The Annual Quality Assurance Report (AQAR) of the IQAC

All NAAC accredited institutions will submit an annual self-reviewed progress report to NAAC, through its IQAC. The report is to detail the tangible results achieved in key areas, specifically identified by the institutional IQAC at the beginning of the academic year. The AQAR will detail the results of the perspective plan worked out by the IQAC. (Note: The AQAR period would be the Academic Year. For example, July 1, 2012 to June 30, 2013)

Part – A

AQAR for the year (for example 2013-14)

2017 - 2018

1. Details of the Institution

1.1 Name of the Institution

Shri Ramdeobaba College of Engineering and Management, Nagpur

1.2 Address Line 1

Ramdeo Tekdi

Address Line 2

Katol Road

City/Town

Nagpur

State

Maharashtra

Pin Code

440013

Institution e-mail address

principal@rk nec.edu

Contact Nos.

+91-712-2580011, 2582844

Name of the Head of the Institution:

Dr. Rajesh S. Pande

Tel. No. with STD Code:

+91-712-2580011, 2582844

Mobile:

+91-9822224468

Name of the IQAC Co-ordinator:

Dr. (Mrs.) Meghana A. Hasamnis

Mobile:

+91-9373284084

IQAC e-mail address:

iqac@rknec.edu

1.3 NAAC Track ID (For ex. MHCOGN 18879)

MHCOGN 16762

OR

1.4 NAAC Executive Committee No. & Date:

(For Example EC/32/A&A/143 dated 3-5-2004. This EC no. is available in the right corner- bottom of your institution's Accreditation Certificate)

EC(SC)/04/A&A/03, Dated, December 10, 2014

1.5 Website address:

www.rknec.edu

Web-link of the AQAR:

<http://www.rknec.edu/AQAR2017-18.docx>

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

1.6 Accreditation Details

Sl. No.	Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1	1 st Cycle	A	3.10	2014	5 years (Valid up to December 09, 2019)
2	2 nd Cycle				
3	3 rd Cycle				
4	4 th Cycle				

1.7 Date of Establishment of IQAC:

14/08/2013

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

- i. AQAR 2014-15 submitted to NAAC on 28/06/2016
- ii. AQAR 2015-16 submitted to NAAC on 23/02/2017
- iii. AQAR 2016-17 submitted to NAAC on 03/05/2018
- iv. AQAR _____ (DD/MM/YYYY)

1.9 Institutional Status

University State Central Deemed Private

Affiliated College Yes No

Constituent College Yes No

Autonomous college of UGC Yes No

Regulatory Agency approved Institution Yes No
(eg. AICTE, BCI, MCI, PCI, NCI)

Type of Institution Co-education Men Women
Urban Rural Tribal

Financial Status Grant-in-aid UGC 2(f) UGC 12B
Grant-in-aid + Self Financing Totally Self-financing

1.10 Type of Faculty/Programme

Arts Science Commerce Law PEI (PhysEdu)

TEI (Edu) Engineering Health Science Management

Others (Specify)

1.11 Name of the Affiliating University (for the Colleges)

Rashtrasant Tukadoji Maharaj
Nagpur University, Nagpur

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

Autonomy by State / Central Govt. / University	<input checked="" type="checkbox"/>		
University with Potential for Excellence	<input type="checkbox"/>	UGC-CPE	<input type="checkbox"/>
DST Star Scheme	<input type="checkbox"/>	UGC-CE	<input type="checkbox"/>
UGC-Special Assistance Programme	<input type="checkbox"/>	DST-FIST	<input checked="" type="checkbox"/>
UGC-Innovative PG programmes	<input type="checkbox"/>		
UGC-COP Programmes	<input type="checkbox"/>		

Any other (*Specify*)

1. Rajiv Gandhi Science & Technology Commission (RGSTC) and Technology Information, Forecasting and Assessment Council (TIFAC) scheme funded by Department of Science & Technology (DST), Government of India for providing technical support to the Micro Small and Medium Enterprises (MSMEs).
2. RCOEM TECHNOLOGY BUSINESS INCUBATORS FOUNDATION (RCOEM – TBI) a Section 8 company has been incorporated by RCOEM to give momentum to innovation, entrepreneurship and incubation support related activities funded by Ministry of MSME, Government of India.
3. Visvesvaraya Ph.D. scheme for Electronics and Information Technology funded by Government of India, Ministry of Communication and IT, Department of Electronics and Information Technology, New Delhi.
4. Pradhan Mantri Kaushal Vikas Yojana of AICTE.
5. ASPIRE: "A scheme for promotion of innovation, rural industrialization and entrepreneurship", Ministry of MSME, Government of India.
6. Rashtriya Uchchatar Shikshan Abhiyaan (RUSA), scheme under DTE, Government of Maharashtra.

2. IQAC Composition and Activities

2.1 No. of Teachers

2.2 No. of Administrative/Technical staff

2.3 No. of students

2.4 No. of Management representatives

2.5 No. of Alumni

2.6 No. of any other stakeholder and community representatives

2.7 No. of Employers/ Industrialists

2.8 No. of other External Experts

2.9 Total No. of members

2.10 No. of IQAC meetings held

2.11 No. of meetings with various stakeholders: No. Faculty

Non-Teaching Staff Students Alumni Others

2.12 Has IQAC received any funding from UGC during the year? Yes No

If yes, mention the amount

2.13 Seminars and Conferences (only quality related)

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

Total Nos. International National State Institution Level

(ii) Themes**At Institute Level**

Sr. No.	Workshops / Seminars / Expert Talks Organized
1.	Orientation Programme on “Developing Aptitude for Research and Comprehensive Quality Enhancement” for newly recruited faculty of RCOEM, Nagpur, 17 th – 18 th November, 2017
2.	Six Days Certificate Course on “Interpersonal Skill Development” for Non-Teaching Staff of RCOEM, Nagpur, 8 th – 13 th January, 2018
3.	Expert Talk on “Preparing Students equipped with the state-of-art technologies with appropriate mix of fundamentals” by Dr. Kanti Prasad, Founding Director, Microelectronics / VLSI Technology, UMASS Lowell, USA, 9 th January, 2018
4.	Expert Talk on “Higher Education Opportunities in University of Adelaide” by Jenny Arkun, University of Adelaide, 30 th January, 2018
5.	Expert Talk on “Higher Education Opportunities in France” by Dr. (Mrs.) Sandrine Maximilien and Ms. Gaelle Lenhardt, 2 nd February, 2018
6.	Orientation Programme on “Proposed Ramdeobaba University” on 07 th February, 2018
7.	Expert Talk on “Financial Management” by Dr. Kanchan Naidu, MBA Department, RCOEM, 21 st February, 2018
8.	Expert Talk on “Career, Study and Research Opportunities in Germany” by Ms. Devi Arand, DAAD – Deutscher Akademischer Austauschdienst, 28 th February, 2018
9.	Talk and Demonstration on “Self Defence” by Mr. Nandu Kapoor, on 8 th March, 2018
10.	“E-Resources Awareness Programme” for faculty of RCOEM on 14 th March, 2018
11.	Expert Talk on “Research Methodology” for PG Students and Faculties of RCOEM, by Dr. R. M. Patrikar, VNIT, Nagpur on 5 th April, 2018
12.	Visit of Delegates from TEESIDE University, UK to RCOEM for Higher Education opportunities abroad on 20 th April, 2018

At Department Level

<p>Department of Electronics Engineering</p>	<p>Short Term Training Programme on</p> <ul style="list-style-type: none"> • One week STTP on “Practices in Computer Network Design and Implementation” by Prof. Nikhil Damle and Prof. Parag Jawarkar during 27th Nov- 2nd December 2017 <p>Workshops on</p> <ul style="list-style-type: none"> • Technical Talk on “How to postpone the end of Moore’s Law” An overview of cutting edge semiconductor manufacturing technologies by Mr. Abhinav Pathak, Global Foundries, Belgium on 11th October 2017 <p>Guest Lectures on</p> <ul style="list-style-type: none"> • Technical Talk on Accelerator Machine, Lithography Process and MEMS by Dr. Dhamgaye, RCAT Indore (Research Lab, Dept. of Atomic energy, Govt. Of India) on 24th October 2017 • Nanoelectronics: Many Electron Phenomenon by Dr. R. M. Patrikar, VNIT Nagpur on 12th October 2017 • Semiconductor Industry and Job Opportunities by Mr. Rohit Bhelkar, MTS Design Enablement Global Foundries, USA on 29th Jan 2018 • Design for Testability (DFT) by Ms. Bharti Navlani, Microsemi, Bangalore on 03rd January 2018 • Communication Skills by Prof. Pratishruti Singh, Asst. Professor, Dept. of Humanities, RCOEM, Nagpur on 22nd January 2018 • Research Methodology: Copyright and Patents by Dr. D. P. Kothari, Ex. Deputy Director, IIT Delhi 24th March 2018 • System Verilog for Verification by Mr. Ankit Somani, Silicon and Beyond, Pune on 17-18 February, 2018 • Microfluids System, Biofuel Cell and Other Research Areas by Dr. Sanket Goyal, Prof. Dept. of Electronics Engg.,BITS Pilani, Hyderabad on 21st April 2018 <p>Industry visits organized – 10</p>
<p>Department of Civil Engineering</p>	<p>Workshops on</p> <ul style="list-style-type: none"> • “Know your Branch And Plan Your Career” by Mr. Girish Lala, Deputy General Manager , RITES limited, Nagpur, Mr. Raveesh Jaiswal, a Human Resource professional, Mr. Sarang Paranjpe, Managing Director, IMSGIS Engineering solutions Pvt. Ltd. And Mr. Dhawal Shah on 9th September 2017

	<ul style="list-style-type: none"> • “Legal aspects of Building construction Bye-laws” by Adv. Sandeep Shastri, Proprietor of Sandeep Shastri and Associates, Nagpur on 1st September 2017 • “Sustainable Construction: Materials and Technologies by Mr. A. R. Shivakumar, Mr. Suresh Khanapurkar, Mr. Anand Fiske, Director, Green Planet Social Foundation, Nagpur, Dr. Rahul Ralegaonkar, Ms. Samhita M. Ela Green Bldg & Infra. Con. Pvt. Ltd., Chennai, Dr. V G Kondekar, Dr. Soham Pandya, Director, CSV over two days workshop. <p>Guest lectures on</p> <ul style="list-style-type: none"> • “High Performance Concrete” by Dr. Indubhushan Patnaikuni, Academic Staff Member of School of Engineering RMIT University Melbourne, Victoria 3001, Australia on 23rd January 2018 • “Reading Civil Engineering Drawings” by Ar. Ramesh Barpande Consulting Architect, Nagpur, on 19th January 2018. • “BIM (Building Information Modeling) Software” by Mr. Viraj Voditel, CEO & Founder at Techure on 24th January 2018. • Air Pollution And Its Control Equipments by Dr. Dilip Lataye on 01 November 2017 • “Basics of Steel Design” by Dr Ramesh Babuon on 6th October 2017. • ENTREPRENEURSHIP DEVELOPMENT by Gurudev Somani, alumni of RCOEM, Nagpur on 27th October 2017 • Canal Alignment by Mr. Narayan Oke, retired Dy. Engineer from water resources dept. on 9th October 17 • “Application of advanced construction materials in Rehabilitation of structures” by Er. Suhas Bhave, Proprietor of S P Bhave Engineers and Contractors, Nagpur on 29th July 2017 <p>Industry visits organized – 10</p>
<p>Department of Computer Science and Engineering</p>	<p>Faculty Development Programme on</p> <ul style="list-style-type: none"> • FDP on "AI and Machine Learning" by IITDM, Jabalpur on 04-08 Jun 2018 • FDP on "ANN and Deep Learning" by IITDM, Jabalpur on 11-15 Jun 2018 • FDP on "Internet of Things (IOT)" by IITDM, Jabalpur on 18-22 Jun 2018 <p>Guest Lectures on</p> <ul style="list-style-type: none"> • Design Patterns by Mr. Deepak Sharma and Mr. Mandar Kulkarni, Vice President, Barclays Pune on 15th to 16th September 2018.

	<ul style="list-style-type: none"> • Software Engineering by Mr. Sateesh Kamiseti, Scrum Masters, Accenture, Hyderabad on 14th September 2018 • Data warehousing and mining by Deutsche Bank, Pune on 14th September 2018
Department of Electronics and Communication Engineering	<p>Guest lecture on</p> <ul style="list-style-type: none"> • Recent Advancement in Wireless Technologies and Carrier Opportunities in Wireless Domain by Mr. A. R. Sawatkar on 9th January 2018 • Effective Interview Techniques by Dr. Micah Aiyub, HR Trainer Infocepts, Nagpur on 31st October 2017 • “What and How to prepare for becoming a good developer” by Mr. Swapnil G. Marghade on 24th October 2017 • Vedic Mathematics by Mr. Manmath Deshpande on 13th October 2017 • Digital Signal Processing by Dr. A. K. Tiwari, IIT Jodhpur on 26th September 2017 <p>Industry visits organized – 03</p>
Department of Information Technology	<p>Short Term Training Program on</p> <ul style="list-style-type: none"> • One week STTP on ‘Emerging Trends in NLP: Techniques and Applications’ by Dr. M. Sasi Kumar, Director CDAC, Mumbai, Mr. Prakash Pimple, Scientist CDAC, Mumbai and Mr. AnupKelkar, Director Python Academy, Nagpur. • Faculty Enablement Program on ‘Internet of Things’ by Mr. AnujJajoo, Infosys Pune, Mr. Tomy Thomas, Ms. Neena Mary and Ms. Nityalakshmi Panchatcharan, Infosys, Bangalore <p>Guest lecture on</p> <ul style="list-style-type: none"> • Object Oriented Programming Concepts by Mr. Amogh Chitnis, Centre Head of NIIT, Nagpur. • Satellite Image Processing by Mr. Anand Khobragade, Scientist, MRSAC, Nagpur • GDs and personal interview Techniques by Mr. Ankur Srivastava, Director of Gurukrupa Academy and Mr. Ashish Diwan Founder of Gurukrupa Academy Nagpur • Cloud Computing by Mr. Deepak Dhote, IT head, IT NetyworkZ, Nagpur • Object Oriented Programming by Mr. Gangadhar Patwardhan, Head S2P Education Pvt. Ltd. Nagpur • Vedic Maths by Mr. Nishant Thakre, S2P Education, Nagpur <p>Industry visits organized – 02</p>

<p>Department of Electrical Engineering</p>	<p>Workshop on</p> <ul style="list-style-type: none"> • Substation SLDs in Autocad by Mr. Devashish Joshi on 20-21 March 2018 • AUTOCAD Electrical by Mr. Praful Baid, CEO, Astral Informatics Pvt Ltd on 16th March 2018 • Introduction to Ardiuno & Its Application in Electrical Engineering by Prof. P. R. Sawarkar on 21-22 Feb 2018 • Entrepreneurship in Solar Photovoltaic System by Mr.Sudhir Budhe, Director Business Algorithms-Solar division, Mr.Kapil Jangid, Solar Power Systems, Mr. Jay Khobrgade, Azur Power, Dr. Sunita Dhote , Prof. U. B. Mujumdar on 23rd and 24th September 2017 • EMPOWER 2018 by Total 72 Exhibitor / Speaker from 22 companies on 17-18 Feb 2018 <p>Guest lectures on</p> <ul style="list-style-type: none"> • “How to Preapare for GATE & IES Examination” by Mr. llyod, Director ICE, Nagpur on 16th March 2018 • Different types of Metering by Mr. Manish Wath, SE (NUC), MSEDCL, Nagpur on 1st Feb 2018 • Higher Study Opportunities in core by Mr. Nilesh Warokar (IDP Nagpur) on 29th January 2018 • Solar Fabrication with its business aspects by Mr. Sandeep Sonaskar (Director V. S. Infomatics. Pvt. Ltd) on 11th January 2018 • Expert talk on military services in USA, the Korean War, facts behind the hypes about the world war III and ongoing cold war by Prof. Peter Jeffrey Kuznick, Director of Nuclear Studies Institute, American University(AU), Washington DC on 10th January 2018 • Engineering Aspects in Satellite and Mangalyan by Shri. Nitin D. Ghatpande, Former Group Director, Power System Group, ISRO Satellite Centre, Bangalore on 24th July 2017 • Economizers, Cooling Towers, Turbines & General Lay-out of Thermal Power Station” by Mr. Uday Thakre, Ex- Executive Engineer, Koradi Thermal Power Station, Nagpur on 14th September 2017 • Future Scope of Electrical Engineering” by Dr. B. N. Chaudhari is Deputy Director at College of Engineering, Pune on 16th September 2017 <p>Industry visit organized – 02</p>
--	---

Department of Electronics Design Technology	<p>Guest lectures on</p> <ul style="list-style-type: none"> • Opportunities of Job and Internship in Automation Industries by Mr. Jayant Paranjape, Owner, Rutam Technocrafts, Nagpur. • Career Prospects by Mr. Pravesh Bansal, Jio Infocomm, Mumbai • Orientation for Entrepreneurship and startup by Mr. Ankur Dawane, Entrepreneurship and Small Business Development • How to prepare for Campus Placements by Mr. Akash Umap, Associate Consultant, Capgemini • Hands-on and Learning Possibilities of SDR and DSP trainer” by Department of Electronics Design Technology, Mr. AniketJoshi, Product Developer, Akademika, Mumbai <p>Industry visit organized – 01</p>
Department of Computer Application	<p>Guest lectures on</p> <ul style="list-style-type: none"> • Internet of Things (Industrial Approach) by Mr. Krunal Kalbande, CEO, COJAG System Pvt. Ltd. • DAA- NP Completeness by Dr. Umesh Deshpande, Associate Professor, VNIT, Nagpur • Multiprocessor Scheduling in RTOS by Dr. Ravindra Keskar, Associate Professor, VNIT, Nagpur • Resume Writing, Communication Skills and interview techniques by Mr. Sanjay Wankhede, Sr. Delivery Manager, Persistent System • Python Programming by Mr. Emmanuel Francis, Python Trainer, NIIT • Internet of Things (IOT) by Mr. Sandeep Manwatkar (Principal Product Engineer) from Persistent Systems Pvt. Ltd <p>Industry visit organized – 01</p>
Department of Mechanical Engineering	<p>Workshops on</p> <ul style="list-style-type: none"> • Automobile Engineering by Prof. B.C Bissa • Additive Manufacturing by Dr. V.V. Shukla Prof. M.G.Trivedi <p>Guest lectures on</p> <ul style="list-style-type: none"> • Career in Industrial Robotics conducted by Department. • Career Opportunities in Supply Chain Management conducted by Department. • Careers in Project Management conducted by Department. • Business Intelligence using Excel conducted by Department. <p>Industry visit organized – 11</p>

2.14 Significant Activities and Contributions made by IQAC

- Institute ranked 64th amongst all Engineering Colleges of India as per National Institutional Ranking Framework (NIRF), MHRD, Government of India.
- Successfully organized the entrepreneurial initiative by Government of India, Smart India Hackathon, 2018.
- Organizing “Quality” technical events such as workshops and seminars for faculty and students.
- Number of Quality project proposals submitted for Sponsored research.
- Constantly evaluating teaching learning process through feedbacks.
- External Academic Audit conducted.
- Internal Administrative Audit conducted.
- Internal Audit of Autonomy conducted.
- Reviewed Quality Policy of Institute.
- MOU with reputed academic institutes and industries.
- Setup of Media Studio for lecture capturing/Video recording facility.
- Setup of Smart Classroom in every Department.
- Setup new Laboratory at Institute Level: Central Instrumentation Centre and Central Fabrication Centre
- In-House training is imparted to non-teaching staff for skill up gradation.
- Library fee payment through GEMS.
- Encouraged R&D and Consultancy activities.

- Afresh R&D policies and means to decimate them were formulated to motivate faculty members to write Research Proposals.
- Sensitizing faculty members about Intellectual Property Rights.
- Encouraged to Strengthen III Cell activities.
- Interaction with industries for carrying the activities of Career planning, Guidance, training and placement activities.
- Collaboration with industries for better learning and knowledge update of both the students and faculty members and inviting leading companies for the campus recruitment drives and preparing students as per the requirements of the company.
- Value addition programmes / career oriented technical training programmes for students to improve their technical acquaintance.
- Faculty members are encouraged to undergo training programmes in Industries and IIT's for technology advances.

2.15 Plan of Action by IQAC/Outcome

The plan of action chalked out by the IQAC in the beginning of the year towards quality enhancement and the outcome achieved by the end of the year *

Plan of Action	Achievements
Conduction of External Academic Audit.	External Academic Audit conducted. Department wise subject experts performed the audit and verified the existing processes and suggested the changes required. External Audit conducted from 19 th - 29 th August 2017.
Conduction of Internal Administrative Audit.	Internal Administrative Audit conducted for all Administrative Units/Departments. Department wise, verified the existing processes and suggested the changes required. Internal Audit conducted from 23 rd -25 th November 2017.
Conduction of Internal Autonomy Audit.	Internal Autonomy Audit conducted and Annual Self Evaluation Report prepared.
Carry various audits and surveys.	NIRF 2017: India Ranking '64' by National Institutional Ranking Framework Ministry of Human Resource Development, Government of India in Engineering Category in 2017. Outlook Survey Results 2017: Ranked 49 th in Outlook's India's Best Professional Colleges 2017 Survey.
Choice Based Credit System (CBCS) for Under Graduate Programmes.	Scheme and Syllabus of Undergraduate Programmes was revised with reference to AICTE model curriculum. New Scheme and Syllabus of Undergraduate Programmes was prepared to be implemented from 2018-19 session onwards.
Submitting proposal for Accreditation (NBA)	Two Undergraduate Departments applied for NBA Accreditation.
Motivating faculty members to pursue Ph.D. and research	Research grant –in-aid initiated to young faculty of RCOEM by the Management of the Institute. Initiated RCOEM Researcher awards to motivate faculty to pursue research.

Submitting Research Proposals to various funding Agencies.	Submitted proposals to various funding agencies and received grants for – <ul style="list-style-type: none"> • RGSTC-TIFAC-MSME Internship Program-Phase 2 (2017-18) • Pradhan Mantri Kaushal Vikas Yojna, AICTE • ASPIRE: "A scheme for promotion of innovation, rural industrialization and entrepreneurship", Ministry of MSME, Government of India • Virtual simulation environment for communication and embedded system design, AICTE – ISTE • Software Grant to Support teaching and research in Simulation, Simio Academy
Increase Industry Institute Interaction Activities.	RCOEM RGSTC-TIFAC-MSME Internship Scheme for UG students implemented. Encouragement given to carry out industry based projects and Industry Internship.
Improve the Internship for Post Graduate and Under Graduate students	Students were motivated to go for Internship at reputed organizations. Total 221 students are undergoing Internship.
Formation of research groups	To enhance Research & Development activities, research groups of faculty members were formed as per their expertise and subject domain.
Incorporate provisions of incentives for students.	Framed new R&D policy incorporating the provision of incentives to Students. PG students are given incentives for Research Publications.
Renewal of Book Bank Scheme	Book Bank Scheme in Library renewed.
Strengthening MoU's with foreign Universities	<ul style="list-style-type: none"> • MoU signed with two Foreign Universities. • Two International Conferences scheduled to be conducted in session 2018-19 in association with foreign universities. • Expert Talks organized for students: Higher Studies abroad in foreign universities.
Develop Common facilities / Instrumentation facilities at Institute Level	Setup new Laboratories at Institute Level: Central Instrumentation Centre and Central Fabrication Centre
Addition of Smart Class Rooms	Smart Class Rooms added in few Departments

Imparting regressive training to students making them campus ready	Conducted Technical Skills enhancement training programmes, soft skill training programmes, Aptitude test like AMCAT, FACE, etc. for students to make them campus ready.
--	--

**Attach the Academic Calendar of the year as Annexure*

****Academic Calendars provided in Annexure I**

2.16 Whether the AQAR was placed in statutory body Yes No
Management Syndicate Any other body

Provide the details of the action taken

Minor modifications suggested and AQAR was approved in Internal Quality Assurance Cell (IQAC) meeting.
--

Part – B**Criterion – I****1. Curricular Aspects****1.1 Details about Academic Programmes**

Level of the Programme	Number of existing Programmes	Number of programmes added during the year	Number of self-financing programmes	Number of value added / Career Oriented programmes
PhD	05		05	
PG	10		10	
UG	09		09	
PG Diploma				
Advanced Diploma				
Diploma				
Certificate				
Others				
Total	24		24	
Interdisciplinary				
Innovative				

1.2 (i) Flexibility of the Curriculum: CBCS✓ (For Post Graduate Programmes) / Core✓ / Elective option✓ / Open options✓

(ii) Pattern of programmes:

Pattern	Number of Programmes
Semester	19
Trimester	
Annual	

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

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

**Please provide an analysis of the feedback in the Annexure*

****Analysis of the feedback provided in Annexure II**

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

- As per the guidelines of model curriculum of AICTE, scheme and syllabus of Undergraduate Programmes is revised and to be implemented from 2018-19 session onwards.
- Industry experts involved in teaching learning process.

**** Details of revision/update of regulation or syllabi provided in Annexure III**

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

Nil

Criterion – II**2. Teaching, Learning and Evaluation****2.1 Total No. of permanent faculty**

Total	Asst. Professors	Associate Professors	Professors	Others
260	189	51	19	01(Librarian)

2.2 No. of permanent faculty with Ph.D.

107

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

Asst. Professors		Associate Professors		Professors		Others		Total	
R	V	R	V	R	V	R	V	R	V
33	15	02	10	-	03	-	-	35	28

2.4 No. of Guest and Visiting faculty and Temporary facultyGuest:
NilVisiting:
02Temporary/Adhoc:
43**2.5 Faculty participation in conferences and symposia:**

No. of Faculty	International level	National level	State level
Attended Seminars/ Workshops	71	9	1
Presented papers	122	5	0
Resource Persons	0	3	0

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

- Student centric learning which focuses on skills and practices that enable lifelong learning and independent problem solving.
- Partial delivery of the course contents is carried out by Industry experts through industry based case studies.
- Sharing of learning resources before conduction of lecture on particular topic to make lectures interactive.
- Case Studies on Industry and real life situations.
- Mini projects are introduced in various courses as a part of laboratory course.
- Report writing / oral presentation are carried out which are based on the research publications relevant to the course.
- Technical workshops are conducted to enhance the practical knowledge of the students.
- Use of Google classroom for assignments, notes and resource sharing.
- Assignments are given to the students based on the research papers.
- Assignments on Massive Open Online Course (MOOC), with certification.
- Encouragement given to self-learning via various activities carried out under different banners.
- National Programme on Technology Enhanced Learning (NPTEL) lectures made available.
- Quiz modules incorporated in Governing Educational Management System (GEMS).
- Simulation of experiments on Virtual lab portal set up by Ministry of HRD in association with IITs.
- Flipped classroom concept is incorporated in teaching learning.
- Lab development in collaboration with industry.
- Encouraging the interdisciplinary knowledge through introduction of Open Electives.
- Demonstration and use of Open source tools in Laboratories.
- Encouraging the use of library by the students by adopting appropriate means in teaching-learning and evaluation process.
- Conducting Technical Workshops and guest lectures by eminent academicians and Industry personnel.
- Faculty and students take part in various skill development/training programs organized by Industry and Institutes of repute.
- Use of PowerPoint and multimedia tools.

- Departmental faculty has developed Unique “SGPA Planner” which helps students to plan studies to achieve the target CGPA at given level.
- Preparation of object driven teaching plan.
- Mentoring to junior students by senior students.
- Up-gradation of faculty competencies through strong support by deputing faculty for training programmes organized by industry and institutes of repute.
- The course materials prepared by the faculties are available on website
- Webinars are organized by the faculties for students to give them information on latest trends in their domain.

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

169

2.8 Examination/ Evaluation Reforms initiated by the Institution (for example: Open Book Examination, Bar Coding, Double Valuation, Photocopy, Online Multiple Choice Questions)

- Conduction of Multiple Choice Questions (MCQ) based objective tests as internal assessment in GEMS.
- Open Book Examinations are conducted as a part of internal assessment.

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

302 - faculty members

2.10 Average percentage of attendance of students

79.36%

2.11 Course/Programme wise distribution of pass percentage:

Title of the Programme	Total no. of students appeared	Division				
		Distinction %	I %	II %	III %	Pass %

* As institute follows Grading System the distribution of pass percentage is given in table below in the form of CGPA.

Under Graduate Programmes

Title of the Programme	Total no. of students appeared	CGPA					Pass %
		5-6	6-7	7-8	8-9	9-10	
Computer Science and Engineering	141	16	35	34	31	22	97.83%
Civil Engineering	151	16	41	51	33	8	98.78%
Electrical Engineering	72	4	17	24	16	8	95.83%
Electronics Engineering	196	6	42	74	49	8	91.32%
Electronics and Communication Engineering	142	7	33	55	31	13	97.88%
Electronics Design Technology	34	-	9	13	12	0	100%
Information Technology	76	3	17	28	19	4	93.42%
Industrial Engineering	79	3	27	30	14	3	97.46%
Mechanical Engineering	72	2	10	25	22	7	91.67%

Post Graduate Programmes

Title of the Programme	Total no. of students appeared	CGPA				Pass %
		6-7	7-8	8-9	9-10	
M. Tech. (Computer Science and Engineering)	22	2	11	6	3	100%
M. Tech. (Heat Power Engineering)	20	0	5	6	4	75.00%
M. Tech. (Industrial Engg.)	7	0	4	1	1	85.71%
M. Tech. (Power Electronics & Power System)	15	1	5	7	2	83.33%
M. Tech. (VLSI Design)	17	1	5	10	1	100%
M. Tech. (Structural Engineering)	16	1	4	8	3	100%
MBA	105	14	34	36	10	89.52%
MCA	80	17	37	19	6	98.75%

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

IQAC suggests

- To adopt Innovative teaching–learning methods by the faculty members which include interactive method, project-based learning, computer-assisted learning, experiential learning, participative learning, problem solving methods.
- To encourage students to go for various coding competitions and industry based projects.
- Use of ICT enabled teaching includes Wi-Fi enabled class rooms with LCD, Language Lab, Smart Class rooms, e-learning resources.
- Use of Virtual class room for the guest lectures of eminent persons to develop the core knowledge in the subject.
- To implement modern pedagogy in line with emerging trends to enhance teaching-learning process.
- To use NPTEL lectures for advanced courses.
- To implement alumni mentor scheme useful in continuous interaction of alumni with students.
- To use Blended learner approach.
- To implement open ended lab experiments.
- To engage people from industry in teaching one module of syllabus which will help students understand real time industry problems.
- To conduct technical tests, Analytical skills, development, Group discussion, Personal Interview Sessions for final year students as a part of Pre Placement activity.
- To encourage students for higher competitive examinations by providing them relevant guidance
- To organize guest lecturers/seminars/workshops to cover the topics beyond syllabus.
- To arrange training programs for faculty and students.
- To develop curriculum as per the need of industry.
- To encourage industry visits and student internship at industry.
- To analyze student’s feedback in all the subjects and laboratories.
- Monitors the syllabus coverage as per the lecture schedules and number of periods engaged.

- Monitors the number of experiments prescribed and conducted in each laboratory and the experiments beyond the syllabus.
- Evaluates the Teaching and Learning processes based on the assessment and attainment of the Programme Outcomes of every Department.
- Evaluate based on the students' feedback and to initiate appropriate measures.
- The college carries out external and internal academic audit regularly. The suggestions of the audit committee are discussed and corrective measures are taken. Feedbacks from stake holders are reviewed every year to implement necessary improvements in teaching learning
- Every Department has its Programme Educational Objectives, Programme Specific Objectives and Programme Outcomes based on vision and mission of the Department in line with the vision of the institute. Programme Outcomes are also based on graduate attributes and stakeholders feedback. For every course, outcomes are framed. Evaluation of teaching and learning process / academic monitoring is performed by assessing the attainment of Course outcomes / Programme outcomes which are performed using direct assessment and indirect assessment methods. Attainments of Programme Outcomes are analyzed by the direct assessment methods such as Test1, Test2, Test3 and End Semester marks and assignments / continuous evaluation of students. Indirect methods include student feedback, course end survey, exit feedback, alumni feedback etc. Based on the feedback of the student's course end survey, exit feedback, alumni feedback proper and corrective actions are initiated.

2.13 Initiatives undertaken towards faculty development

Faculty / Staff Development Programmes	Number of faculty benefitted
Refresher courses	64
UGC – Faculty Improvement Programme	2
HRD programmes	20
Orientation programmes	16
Faculty exchange programme	0
Staff training conducted by the university	13
Staff training conducted by other institutions	27
Summer / Winter schools, Workshops, etc.	52
Others	32

2.14 Details of Administrative and Technical staff

Category	Number of Permanent Employees	Number of Vacant Positions	Number of permanent positions filled during the Year	Number of positions filled temporarily
Administrative Staff	63	--	--	23
Technical Staff	38	--	--	39

Criterion – III

3. Research, Consultancy and Extension

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

Shri Ramdeobaba College of Engineering and Management (RCOEM) strongly believe that our service is to disseminate knowledge through teaching and create new knowledge through research. For this it is necessary to foster a research culture amongst the faculty members and students along with necessary infrastructure and support facilities.

The R&D Cell is constituted with the following aims:

1. To cultivate strong research culture amongst faculty members and students.
2. To embed research in all levels of academic activity (undergraduate, postgraduate and PhD).
3. To increase the quantity and quality of our research outcomes.
4. To increase the sources of external research funding in order to build capacity, create new knowledge and research quality.

In order to achieve this following initiatives / actions are undertaken

1. Research Incentives:

In order to motivate the faculty members following incentives are provided

- Incentives for Publications in Journal
- Incentives for attending Conference/ Workshop/ STTP/FDP/MDP/ Seminars/Training in India
- Incentives for presenting paper in Conference abroad
- Incentives for Patents filing, publication and examination.
- Incentives for pursuing Part Time PhD
- Incentives to Students for Publications in Journals

2. Internal funding for research:

- Research fund for young faculty members: The seed money is provided to faculty members for carrying out his/her research.
- The annual departmental R&D fund allocated to every department every year may be utilized for departmental R&D activities.

3. Intellectual Property Rights:

- College has dedicated IPR Cell which provides guidance, support and resources to all the faculty members, staff and students of RCOEM and facilitate protection and deployment of intellectual property.
- The cell creates awareness about the importance and role of IP Rights. It also facilitate the training of faculty members, staff and students regarding IPRs.
- The cell provides administrative, technical and legal support to faculty, staff and students for drafting and filling their patents
- The cell also helps the faculty members for getting copyrights to their work
- The cell also provides legal help through hired patent attorney

4. Incentives and Motivation for Pursuing Higher Studies:

- Faculty member of the college are allowed to pursue Part-Time PhD.
- Faculty members those are pursuing Part-Time PhD may get up to three months full salary study leave.
- The faculty members those pursuing part-time PhD at RCOEM or other Institutes of national repute like IITs/IISc/IITs/NITs are eligible for reimbursement of annual PhD fees.

5. Faculty Development initiatives:

- Orientation Programme on “Developing Aptitude for Research and Comprehensive Quality Enhancement” for newly recruited faculty of the college on 17th - 18th November, 2017.
- A seminar on intellectual property focussing on patents (criteria on patentability and patent search) was organized on 25th October 2017 by the IPR cell, RCOEM. The talk was delivered by Adv. Swapnil Gawande (Registered Patent attorney).
- In continuation with the efforts to inculcate research interest and innovative thinking amongst faculty members, the IPR cell of the institute had organized a guest lecture titled “Research Funding Agencies, Research Proposal writing, New Knowledge Creation and IPR” by Prof. M. Laxmikantam on 15th December 2017.
- Training program on Urkund, and anti-plagiarism software, was conducted on Saturday, 7th October 2017 at Conference Hall, Admin Block, RCOEM, participants were benefited from the Training program.
- Conducted a live Session on Urkund Anti Plagiarism services, was conducted on 28th of December 2017 at 1.00 pm. Participants were benefited from the Training program.

6. Other initiatives:

- M. Tech. and B.E. students are encouraged to pursue projects based on research outcomes published in referred journals and conferences.
- M. Tech. students are encouraged to publish their research in Scopus/SCI indexed journals only.
- Students are also provided opportunities to carry out industry associated / sponsored / assisted projects in the curriculum.
- Interaction with external experts for research proposal and collaborative research work is encouraged.
- College is involved in national initiatives through MHRD under Rashtriya Uchchattar Shiksha Abhiyan (RUSA) in realizing ICT enabled Smart Universities.
- College is also associated with MSMEs of the region in developing solution to their problems.
- Visvesvaraya Ph.D. scheme of DeitY, Govt. of India has been implemented.
- Online journal subscriptions are accessible by the students as well as faculty for research.
- Research Groups are formed based on faculty expertise and research interest. Their regular meetings are organized to assess the progress of research work.

7. RCOEM – Research Awards:

- College has instituted two awards to recognize the faculty members for their extraordinary achievement in research. Two awards which are initiated are:
 - i. RCOEM - Researcher Award
 - ii. RCOEM - Young Research Award

3.2 Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number		<p>1) "ASPIRE: "A scheme for promotion of innovation, rural industrialization and entrepreneurship" (Rs.29,100,000/-)</p> <p>2) DST - FIST (level 0) project (Rs. 45,00,000/-)</p>		<p>1) "Fractional Image Interpolation and selective area enhancement using Discrete Wavelet Transform" submitted to ISRO under scheme RESPOND (Rs. 24, 38, 400/-)</p> <p>2) "Microfluidics System Development for Adulteration Detection with Image analysis" submitted to DST under scheme Extra Mural Research (EMR) (Rs. 36,80,358/-)</p> <p>3) "Development of Low Cost IoT Based Bio Medical Signal Processing System to Investigate the Incremental Changes in Human Physiological Parameters During Meditation" submitted to DST Division :KIRAN under scheme Science and Technology of Yoga and Meditation (Rs. 37,79,660/-)</p> <p>4)"FIST- PROJECT (Level-1)" submitted to DST (Rs. 2,21,04,503.00/-)</p> <p>5) "Coordinate motion planning of ARM mobile robot (DAMR)" submitted to (SERB) (Rs. 35,33,300/-)</p> <p>6) "Automatic Railway Inquiry using Multilingual Speech Interface to Databases" submitted to AICTE under scheme Research Promotion Scheme (RPS) (Rs. 19,74,117.65/-)</p> <p>7) "Modernization of Microwave Engineering Laboratory" submitted to AICTE under scheme Modernisation and removal of</p>

				<p>obsolescence (MODROB) (Rs. 20,00,000/-)</p> <p>8) “Modernisation and obsolescence removal of Concrete and Building Technology lab” submitted to AICTE under scheme Modernisation and removal of obsolescence (MODROB) (Rs. 19,98,000/-)</p> <p>9) “Design and Development of microsensor for biomedical application” submitted to AICTE under scheme Research Promotion Scheme (RPS) (Rs.24,58,823/-)</p> <p>10) “Combustion and Emission Investigations on Homogenous Charge Compression Ignition Engine” submitted to AICTE under scheme Research Promotion Scheme (RPS) (Rs. 24,47,058.82/-)</p> <p>11) “5G MIMO reconfigurable antenna for wireless communication system” submitted to AICTE under scheme Core research grant (Rs. 32,42,400/-)</p> <p>12) “Plasmonic photocatalysts for coupled hydrogen generation and oxidative valorization of biomass derived alcohols.” submitted to AICTE under scheme Core research grant (Rs.44,02,000/-)</p> <p>13) “Design and Implementation of automated system for object and Human Recognition for visually impaired People.” submitted to AICTE (Rs. 24,64,772/-)</p>
Outlay in Rs. Lakhs		Rs. 33,600,000/-		Rs. 56,523,392/-

3.3 Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number	<p>1) “Pradhan Mantri Kaushal Vikas Yojana” (Rs. 63,750/-)</p> <p>2) “RGSTC-TIFAC-MSME Internship Program” (Rs. 12,57,012/-)</p>			<p>1) “Low Cost and Portable Soil Health Monitoring System” submitted to ASPIRE under scheme Entrepreneur /Incubate (Rs. 4,00,000/-)</p> <p>2) “Recent trends in artificial intelligence and robotics” submitted to SERB-DST under scheme Seminar / Symposia (Rs. 60,000/-)</p> <p>3) “Practices in signal conditioning for sens” submitted to AICTE - ISTE under scheme Refreshment Course (Rs. 30,000/-)</p> <p>4) “An Intelligent Attendance monitoring System: An Application to Educational system” submitted to SERB-DST under scheme Early Career Research Award (Rs. 5,99,500/-)</p> <p>5) “VLSI Testing and Verification” submitted to AICTE under scheme Short term training programme (Rs. 4,75,000/-)</p> <p>6) “Design and Analysis of Microwave Devices and Antennas using ANSYSHFSS” submitted to AICTE under scheme Short term training programme (Rs. 2,70,000/-)</p> <p>7) “One Week Short Term Training Programme on Capacity Building & Human Resource Development in Big Data Analytics And Business Intelligence” submitted to AICTE under scheme STTP (Rs. 2,87,000/-)</p> <p>8) “Planning & Design of Irrigation Water Network” submitted to AICTE under scheme Short term training programme (Rs. 4,70,000/-)</p>

				<p>9) “Short Term Training Programme on “NLP Application in Big Data” submitted to AICTE under scheme Short term training programme (Rs. 5,00,000/-)</p> <p>10)“Computational Linguistics: Techniques and Applications” submitted to AICTE under scheme FDP – Faculty Development Program (Rs. 4,15,000/-)</p> <p>11) “Centre for Preparing students for Higher Education” submitted to AICTE under scheme PRERANA-Programme Centre for SC/ST Students (Rs. 10,00,000/-)</p> <p>12) “Current Trends In Deep Learning and Its Applications” submitted to AICTE under scheme (Rs. 7,00,000/-)</p> <p>13) “International Conference on Enhancement in Management, Engineering & Applied Sciences (ICEMEA 2018)” submitted to AICTE under scheme GOC- Grant for Organizing Conference (Rs. 5,00,000/-)</p> <p>14) “Virtual simulation environment for communication and embedded system design” submitted to AICTE under scheme Refreshment Programmes (Rs. 3,00,000/-)</p> <p>15) “Toxic Indicator for recruitment of human resources for public and private sector” submitted to (SERB) under scheme (Rs. 1,57,000/-)</p>
Outlay in Rs. Lakhs	Rs. 13,20,762/-			Rs. 6,433,500/-

3.4 Details on research publications

	International	National	Others
Peer Review Journals	154	3	0
Non-Peer Review Journals	23	0	0
e-Journals	9	1	0
Conference proceedings	149	5	0

3.5 Details on Impact factor of publications:

Range Average h-index Nos. in SCOPUS

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

Nature of the Project	Duration Year	Name of the funding Agency	Total grant Sanctioned (Rupees)	Received (Rupees)
Major projects	5 Year	DST (under FIST level 0) project	45,00,000/-	21,50,000/-
Minor Projects	1 Year	“RGSTC-TIFAC-MSME Internship Program(RGSTC)	12,57,012/-	12,57,012/-
Interdisciplinary Projects				
Industry sponsored				
Projects sponsored by the University/ College	2017-18	RCOEM, Nagpur	1,03,719/-	1,03,719/-
		RCOEM, Nagpur	18,172/-	9,676/-
Students research projects <i>(other than compulsory by the University)</i>	2017-18	Infocepts Pvt. Ltd.	-	Technical Guidance
Any other(Specify)				
Total			58,78,903/-	35,20,407/-

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

ii) Without ISBN No.

3.8 No. of University Departments receiving funds from

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

3.9 For colleges

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

3.10 Revenue generated through consultancy

3.11 No. of conferences organized by the Institution

Level	International	National	State	University	College
Number	Nil	Nil	Nil	Nil	Nil
Sponsoring agencies	Nil	Nil	Nil	Nil	Nil

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

3.13 No. of collaborations

International National Any other

3.14 No. of linkages created during this year

3.15 Total budget for research for current year in lakhs:

From funding agency From Management of University/College
 Total

3.16 No. of patents received this year

Type of Patent		Number
National	Applied	14
	Granted	Nil
International	Applied	Nil
	Granted	Nil
Commercialized	Applied	Nil
	Granted	Nil

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

Total	International	National	State	University	Dist	College
24	7	7	1	2	2	5

3.18 No. of faculty from the Institution who are Ph. D. Guides

and students registered under them

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

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

JRF SRF Project Fellows Any other

3.21 No. of students Participated in NSS events:

University level	<input type="text" value="200"/>	State level	<input type="text"/>
National level	<input type="text" value="01"/>	International level	<input type="text"/>

3.22 No. of students participated in NCC events:

University level	<input type="text"/>	State level	<input type="text" value="08"/>
National level	<input type="text"/>	International level	<input type="text"/>

3.23 No. of Awards won in NSS:

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

3.24 No. of Awards won in NCC:

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

3.25 No. of Extension activities organized

University forum	<input type="text"/>	College forum	<input type="text"/>		
NCC	<input type="text"/>	NSS	<input type="text" value="11"/>	Any other	<input type="text"/>

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

BLOOD DONATION CAMP:

No matter how farther science advances, blood- which is the elixir of human body, cannot be artificially created. That's why blood donation is more precious than anything else in the world, as donated blood saves millions of lives every year. In order to improve the conditions more, the NSS organization joined hands with Dr. Hedgewar Blood Bank, Nagpur to raise awareness on voluntary unpaid blood donations "If you are a blood donor, you are a hero to someone somewhere, who received your precious gift of life." Just with this thought in mind NSS Unit of Shri Ramdeobaba College of Engineering and Management organized Blood Donation Camp at college along on 12 September 2017.

The cause was helped by 111 donors who actively participated in the camp. Donors were provided energy drinks and were given a Donor card, a certificate and a water bottle as a token of love and life. In charge of the camp then explained importance of blood donation to all in brief. The event was graced by the presence of Prof. Dr. S. D. Mohagaonkar (Dean, Second Shift, and SRCOEM). The event was presided over by Dr. S. Dogra (then Programme Officer, NSS Unit) and over 30 volunteers of NSS Unit. Once again the students made event a grand success on lines of previous camps.



NSS FOUNDATION DAY CELEBRATION: A Rally towards a Cause

The five basic elements of life namely Prithvi (Earth), Jal (Water), Vayu (Air), Agni (Fire), Aakash (Sky/ Atmosphere) are dying a polluted death. To aware about Pollution which is a man-made cause, NSS Unit of Shri Ramdeobaba College of Engineering and Management on 24th September 2017 organized a RALLY FOR RIVERS at Futala Lake.

NSS Foundation day was focused on the improving the condition of Holy Rivers’ of India and successfully ended up with a street play on-“Current shortage of potable water and its consequences”.

Around 110 NSS volunteers participated actively in the event. The volunteers along with the members of ISHA FOUNDATION walked for the cause, Thereby spreading the steps and measure to be adopted for saving the Rivers.

The rally focused on dying rivers around our country. The rally started from Vayu Sena Nagar Square at 5 p.m. and at Futala Lake. The participants then thanked nature and rivers by NadiStuti.

A Street play was then performed by volunteers of NSS Unit in association with Nautaki Drama club of RCOEM. The play focused on current shortage of potable water and its consequences. Members of Isha Foundation along with volunteers then once again focused on importance of protecting rivers if no steps are taken now then water required for human survival will reduce by 50% by 2030. Hence save something for Next Generation.



YESTALGIA: “Creativity Is Intelligence having Fun”

Thus keeping the fact in mind, NSS Unit of our college organized YESTALGIA an event exclusively for First Year students of our college on 13/10/2017. Event was mainly focused on combining fun with an initiative to help towards society. The event was attended by more than 200 students.

In one of the rounds, participants made sketches and drawings with a wonderful story as Diwali greeting for children of orphanages. Thus the participants were made aware about those special children. Finale of the event was a quiz round. Four winners were awarded with prizes. The profits of the event would be donated towards society. The event was presided over by then NSS Programme Officer Dr. S Dogra and Prof. S Kanetkar. As anticipated event was a huge success.

A event for the first years students of RCOEM organised on October 13, 2017, basically focused on to test their presence of mind regarding the present social issues-the society is witnessing and what are the measures an individual can take to fight against them. The event was made successful by the active participation of 200 students.



ORPHANAGE VISIT:

Diwali is a festival of giving happiness and the best way to celebrate Diwali and spread happiness is with the Children. NSS volunteers on 17th October 2017 visited “MANORAMA ORPHANAGE” for the Diwali Celebration and gifted the Children with sweets and Diwali presents. The children were delighted with such love which was reciprocated by the smiles on their faces.



ANNAKOOT:

As Lord Krishna said,

“ Fill your mind with me , Love me , Serve me , Worship me always . Seek me in your heart , you will at last be united with me “.

With this great spirit and devotion ,NSS unit contributed in the festival of Annakoot on October 17 organized by Shri Ramdeobaba College of Engineering and Management. On this auspicious occasion ,around 300 NSS volunteers served holy Prasad to a crowd of around 10000 devotees. NSS volunteers under the guidance of College Management managed the whole event in a very smooth and efficient manner. Days of efforts of people NSS volunteers, Management Committee of Shri Ramdeobaba Sarvajanic Samiti, and staff of college bore fruits when flood of devotees took pleasure of Maha Prasad. The crowd was efficiently managed by volunteers by serving food to all devotees. Event was made successful by staff and volunteers of NSS Unit of college along with volunteers of society. Principal of college Dr. R. S. Pande appreciated efforts of all for making event successful.



I-CLEAN:

One step towards cleanliness is acknowledged for nationwide Swacch Bharat Abhiyan. To take the initiative forward, volunteers of NSS Unit of Shri Ramdeobaba College of Engineering And Management with supportive collaboration of I Clean Nagpur worked to clean the vicinity of college. The initiative not only means cleaning a place and keeping it same throughout but also redecorating it. Hence volunteers painted walls of College vicinity with Worli Paintings.

PRERNA 10.0:

Ten years ago a vision of NSS Unit of Shri Ramdeobaba College of Engineering and Management was transformed into reality known as Prerna. This year Prerna 10.0 was inaugurated in august presence of Hon’ble Chief Guest Shri. Kushroo Poacha (Founder Seva Kitchen which serves food to patients and their relatives and Indian Blood Donors a helpline to help noble cause). The ceremony was inaugurated by lightening diya and Pujan of Goddess Saraswati . NSS Program Officer Dr.Amit A. Anurag then described the dedication of unit towards society.

Secretary of NSS Ms. Shrutika Patel and Mr.Yash Singhania gave the inaugural address. It was about round the year social activities conducted by our NSS unit. Dr. M. S. Kadu was full of

praises for the activities conducted by NSS unit ranging from cloth donation to orphanage, old age home visits, blood donation camp where 111 donors helped the cause, grain distribution camp for needy and various other activities. Then events of PRERNA 10.0 were briefed. Vote of thanks was given by Joint Secretary Mr. Ashwin Deshmukh.

The main aim of this program was to create social awareness among technocrats by means of various inter-collegiate social events.



JUNOON:

No one is perfect but a few do have a God gift of hope beyond limitations. To display the same courage, passion, hope children with special abilities presented exemplary dancing, singing and artistic skills. The event was graced by the special presence of MR. VIJAY MUNISHWAR, a Paralympic Champion of our own. The event was conducted on 08/02/2018.

Students and staff were present in hundreds to support and to learn about the beacon of hope from them. All the spectators were left spell-bound and with teary eyes after the performances. A special performance of National Anthem concluded the event. The children then enjoyed delicious lunch sponsored by C-TEL. It was the first event of Prerna 10.0 and was appreciated for being a grand success. The children were then appreciated for their performances with gifts.





SPEAK STREAK

Speak streak, a two day event was conducted by NSS Unit, RCOEM for Prerna 10.0 starting on 08/02/2018. As name suggests the event was focused on vocabulary and speaking skill of the participants, their knowledge in various aspects and events going all around the world. The motive of this event was to boost confidence of participants and remove their stage fear. This year more than 50 students participated in the event. The event comprised of four rounds and according to the ability of participants they were judged by the experts.



WALKATHON

This year being the 10th edition of PRERNA a new jewel was added in the crown of PRERNA in the form of '**WALKATHON**'. Professor Dr. S. D. Mohgaonkar and Mrs. S. Dhote flagged off the rally from the Electronics Department parking then proceeded through the Electrical Building - Ramdeobaba Temple - Main Gate - MBA Building - Admin Building - IT Block - Basketball Ground - Boys' Mess -MCA Building - First Year Block and then finally concluded at the OAT.

The cause of the rally was to create awareness about Respecting Women. The Professor first briefed the students about their role as an NSS volunteer to understand the importance of respecting women. At the Main Gate the participants had fun while painting their faces with beautiful messages to promote the theme. The participants also wrote inspirational messages on the

flex at the First Year Department. It was followed by an The event concluded with the National Anthem.



AAKRITI:

This year an exhibition ‘AAKRITI’ was presented in college on 9th and 10th of Feb. The exhibition was a collection of beautiful handmade artworks by orphan children from Shradhanand Anathalaya, Shradhanand Peth, Nagpur. The artworks included beautiful handmade envelopes, colourful flower pots, bookmarks, lamps as well as knitting items .These handcrafts attracted students, parents, teaching staff and non-teaching staff throughout the college. The money collected from the event was donated for the welfare of children from the Shradhanand Anathalaya.



HEALTH CHECK-UP CAMP:

Obliging to the quote NSS Unit of Shri Ramdeobaba College of Engineering and Management organizes health checkup camp for Teaching and Non-teaching staff. These years being tenth edition of Prerna all of events were on a bigger scale and so was Health Checkup camp. More than 150 members of RCOEM Family took unparalleled benefits of the event. A team of doctors and nurses ward boys from Shri Krishna hrudyalaya and critical care center, Contacare eye hospital and Advance dental hospital helped the cause. For first time a team of specialist heart doctors were in this camp .Many also took benefit of Eye and Dental check-up also. The team then also guided the patients about how to take care of health, about oral hygiene and how to make sure eyes keep sparkling at all ages and how to avoid diseases. Owing to the huge success of event NSS Program Officer Dr. A. Anurag wished well to all and congratulated to the team of expert doctors and NSS Volunteers for making the event a huge success. The team was then felicitated with memento and saplings.



REFLECTION:

This year too PRERNA 10.0 organized reflection under which the whole Open Area Theatre was decorated with beautiful paintings, sketches, drawings and photos by the participants. Each art-work reflected a beautiful and intensive social message or happiness.

The event was judged by Deepshika Mehra ma'am (HOD, Humanities Department).The paintings portrayed messages on social causes such as child abuse, save girl child, spreading happiness. Prizes were given to the top three candidates.



SORPRESA:

SORPRESA, a social cum fun event was held under banner of PRERNA 10.0 .In this event mental and physical ability of participants was tested. Each group had four participants. This event had three elimination rounds and a final round conducted on day 2 of which the first round was treasure hunt, where participants were required to collect required items. From all those useful items collected by participants all the proceedings were donated to orphanage. The students enjoyed their level best. The winners were awarded with vouchers and prize money.

FIRST AID

Prerna 10.0 was further made successful by one of its new event. During any medical emergency most important time for attention is just after incident. Hence first aid treatments can and have saved countless lives till date. To make students and staff aware about the first aid hacks NSS Unit organized First Aid Camp. Dr. S. L Dachewar (Medical Officer, IshwarDeshmukh College of Physical Education, Nagpur) presented and demonstrated first aid life hacks like steps of recaution to be taken when someone falls unconscious, how to Band-Aid, steps to be taken during an accident etc. NSS Program Officer Dr. A. Anurag presented memento to the guest and felicitated him with a sapling. Participants then thanked Guest for sharing such priceless information.



Event-X

A new event organized for the first time in Prerna 10.0 under NSS unit. This comprised of 5 rounds. The first round was full of riddles. The last rounds were based on a political leaders and great personalities. The fourth round also had a pool of balls the participants had to collect the ball and accordingly they got the hint of the personality. On which they had to perform a skit on the assigned leader.

The event was a huge success and top three groups were awarded with prizes.



VILLAGE VISIT

Likewise every year NSS Unit of Shri Ramdeobaba College of Engineering and Management undertook a village visit on the final day of PRERNA. This year on its tenth edition the Unit adopted the village Sonkhamb in the august presence of Sarpanch Shri. Pravin Adkine and NSS Programme Officer Dr. Amit A. Anurag. The unit organized free health check-Up camp for dental and eye. Villagers took benefit of the event in hundreds. The unit also organized cleanliness drive and performed a skit to promote importance of cleanliness.

Now as the village has been adopted for a period of three years the NSS Unit will now conduct various activities like Educational camps, Cloth donation and grain distribution program and various other activities in the village throughout the span.

The villagers and NSS Unit felicitated doctors for conducting camp and felicitated them with garland and memento.



MEGA BLOOD DONATION CAMP:

Shri Ramdeobaba College of Engineering and Management organised Mega Blood Donation Camp today in the College premises. The college organises blood donation camp annually as part of its Institutional social responsibility. The camp was organised in association with Dr. Hedgewar Blood Bank with contribution from College Management, students of all the Departments of Engineering, Management, MCA and NSS Volunteers.

The Blood Donation Camp witnessed a count of 351 donors with a successful registration of 460 people which included students, teaching and non-teaching staff with active participation of people near college premises. The event ended up with the truthful guidance and greetings of His Excellency Shri Banwarilalji Purohit, Honorable Governor of Tamil Nadu.

The entire Ramdeobaba family was geared up for the drive by the active participation of around 350 donors. The event was organised from 9 am to 4 pm in the Ramdeobaba college premises under the teacher guidance- Prof. Vishal Mehta, Prof. Ashlesh Jaiswal, Dr. Amit Anurag, and Prof. Ashish Urade, Prof Swati Moghe, Prof. Saket Kanetkar and students-Yash Singhania, Shrutika Patel, Sanjeet, Deepak and other NSS Volunteers.



Criterion – IV**4. Infrastructure and Learning Resources****4.1 Details of increase in infrastructure facilities:**

Facilities	Existing	Newly created	Source of Fund	Total
Campus area	11.04 Acre	5.75Acre	College	16.79 Acre
Class rooms	56	--	College	54
Laboratories	74	06	College	80
Seminar Halls	08	01	College	09
No. of important equipments purchased (\geq 1-0 lakh) during the current year.	166	21	College	187
Value of the equipment purchased during the year (Rs. in Lakhs)	2498.51103 Lakh	67.53725 Lakh	College	2566.04828 Lakh
Others				

4.2 Computerization of administration and library

Administration and Library are well equipped with modern computing facilities.

Computerization of administration:

- Use of GEMS for admission processes, exam processes, finance, purchase and infrastructural requirements.
- Use of GEMS for staff attendance and leave monitoring.
- Online tests carried for Training and Placement activities.
- Campus under CCTV surveillance.

Computerization and access to library facilities are as follows:

- **Use of Library Software GEMS:** The Library uses GEMS software that supports all in-house operations of the Library. It consists of modules on acquisition, cataloguing, circulation, serials and OPAC.
- **Digital Library:** Central Library has a provision of access to e-journals like IEEE, ASME, ASCE & EBSCO, NPTEL video lectures, DELNET, Project Report & Question Papers for UG & PG programmes. For this purpose a separate arrangement in Digital Library is made where students & staff can access, download, print the open access journals & research papers, also they can listen to the video lectures with the help of audio-visual aids.
- **Online OPAC System:** to locate books available in the library.
- **Scanning, Posting** and online access of Question Papers & Project Reports on College website.

4.3 Library services:

	Existing		Newly added		Total	
	No.	Value	No.	Value	No.	Value
Text Books	81801	2,23,89,418/-	2533	14,49,664/-	84334	23,839,082/-
Reference Books	3728	27,96,941/-	396	1,28,578/-	4124	2,925,519/-
e-Books	--	--	--	--	--	--
Journals	109	87,36,793/-	34	1,06,420/-	143	88,43,213/-
e-Journals	IEEE ASME ASCE EBSCO	1,20,48,394	IEEE ASME ASCE EBSCO	36,29,405/-	IEEE ASME ASCE EBSCO	1,56,77,799/-
Digital Database	DELNET SCOPUS	\$14,986	DELNET		DELNET SCOPUS	\$14,986
CD & Video	1433	Cost included in Book cost	263	Cost included in Book cost	1696	Cost included in Book cost
Others (specify)			Urkund	1,49,270/-	Urkund	1,49,270/-

4.4 Technology up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Departments	Others
Existing	1778	Every Department	200 Mbps	Every Department	93	173	1512	
Added	100	has Computer Labs	Nil	has Browsing Centres	00	10	90	
Total	1878		200Mbps		93	183	1602	

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

- Campus is Wi-Fi enabled including hostels.
- Internet access to Staff and Students in Departments.
- Video Conferencing facilities available.
- Online Aptitude Test for students.
- Training to teachers to use Governing Education Management System (GEMS) software.
- Institute has been registered as a Nodal Centre for the Virtual labs in Nagpur Region. Under this, the students and the faculty members are made aware about the virtual labs that are available 24 x 7 on the portals of IIT's. These labs are exclusively designed by the IIT's.
- In-House training is imparted to non-teaching staff for skill up-gradation.
- Desktops, Laptops and printers are available in all administrative cabins, HODS room, faculty rooms etc.

4.6 Amount spent on maintenance in lakhs:

i) ICT	104.8781500 Lakhs
ii) Campus Infrastructure and facilities	10.40561 Lakhs
iii) Equipments	60.67656 Lakhs
iv) Others	76.84301 Lakhs
Total:	252.80333 Lakhs

Criterion – V

5. Student Support and Progression

5.1 Contribution of IQAC in enhancing awareness about Student Support Services

- Student's representatives in IQAC have enhanced the awareness about quality amongst them.
- Student's participation in Board of Studies Meetings.
- Encouraging the students to take part in various co-curricular/extra-curricular activities.
- Imparting information on various support services during parents meet at the Department Level.
- Dissemination of Information on college website.
- Training and Placement Department imparts information to the students regarding the placements and prepare them to appear for interviews.
- Imparting information on various support services during induction programme 'Drushti' organized for first year students.
- Information to the students regarding college facilities such as Central library, Mess, Boys and Girls hostel etc. is provided.
- The undertaking of Anti ragging Affidavit is taken from students.
- Student counseling is provided at various levels – departments have student mentor scheme, student mentor scheme under SRC, Higher Education Cell, and psychological cell to guide students.
- Grievance redressal cell is active.
- IGNITE: A program to bring alumni and students together, to promote the students to set their career goals at an early stage and to start working for achieving them with the help of alumni acting as mentors.
- Every department conducts an induction programme for second year students where the information about the department is provided.
- Every department has student society through which senior students conduct programs for junior students.
- SMS facility in GEMS and otherwise is also used to inform notices to students and parents.
- The institution publishes its annual information brochure. The brochure provides information about the faculty, departments, activities conducted, various cells at the institute which helps the new students to get acquainted with the institute and its working system.

5.2 Efforts made by the institution for tracking the progression

- Monitoring and continuous evaluation of performance of students.
- Mentoring: Mentors are allotted to track the mentee.
- Examination system has provision to monitor student progression.
- Counseling sessions are scheduled in regular academic activities and a designated counselor attends to the needy students.
- The institute has alumni association with branches in different parts of the country and abroad. Alumni meets are organized every year. Also facility for on-line registration of alumni on institute website is provided. This helps to track the progression of students after passing out from the college.
- The institution conducts student feedback process twice every semester to improve teaching, infrastructure and the entire learning experience for the students. Institution has initiated an online student's feedback system to obtain feedback on teaching, course work and various academic activities. The student feedback is a source of information to measure the satisfaction level of the student.
- Parents Teacher meeting is conducted once in a semester to discuss the progress of their wards.
- Yoga sessions are conducted in the college for physical wellbeing of students.
- Creating avenues for students to develop and enhance their skills in terms of organizing events and participation in various events.

5.3 (a) Total Number of students

UG	PG	Ph. D.	Others
3799	930	17	--

(b) No. of students outside the state

289

(c) No. of international students

37

Men	No	%
	2848	60%

Women	No	%
	1881	40%

Last Year						This Year					
General	SC	ST	OBC	Physically Challenged	Total	General	SC	ST	OBC	Physically Challenged	Total
3340	130	05	727	13	4215	3794	127	10	788	10	4729

Demand ratio

Dropout %:6.69

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

- Aptitude tests, Mock GD's, Mock PI's are conducted for students in house by experts from the college and also in collaboration with outside agencies thus preparing them for competitive examinations.
- Orientation Programme on communication skills conducted.
- Technical Workshops are conducted.
- Guest Lectures are also arranged for CAT / GRE / GATE preparation. Company specific aptitude tests are also conducted.
- Group Discussion and Personal Interview sessions are arranged from experts outside college.
- Lectures for entrepreneurship development are arranged.
- Guidance for Indian Air force, Indian Army, Indian Navy is provided by organizing seminars by officers from the Air force, Navy, Army.
- Higher education cell in college helps in solving various queries of the students.
- Guidance at college as well as department level is provided.
- Student Interaction with Alumni, Academic & Industrial experts

No. of students beneficiaries

1000+

5.5 No. of students qualified in these examinations

NET

SET/SLET

GATE

CAT

IAS/IPS etc

State PSC

UPSC

Others

GRE/TOFEL:
11/06

5.6 Details of student counselling and career guidance

- Timely guidance is given on type of jobs available, placement possibilities and for pursuing higher studies program in India and abroad universities.
- Guidance activities at Department level:
 - Interview and interaction with students, in order to gauge their interests, strength and weakness which allows the department to plan and organize Curricular & Co-curricular activities, guest lectures, etc.
 - Conduction of classes/guest lecture for Aptitude, GD and PI
 - Conduction of workshops and guest lectures about the avenues ahead.
 - Alumni meet and alumni interaction organized at all the departments.
- Psychology cell in the college to help students.
- Teacher Guardian Scheme at Departmental level.
- Counselling at central and departmental level for students.
- Guest lecture's for higher studies in India and abroad are conducted.
- Preparatory Sessions on Career in Defence services are conducted.
- Interactive Sessions by Alumni in various fields in different branches are arranged.
- Students are highly ambitious and opt for higher education from foreign countries. The college provides complete counselling including university selection, documents preparation and VISA process for students applying to USA, UK and France.
- Workshop on Aptitude Development for students is conducted every year.
- Department also guides academically weak students for performance improvement.

Activities conducted by Training and Placement Department:

- A guests lecture on Big Data, Data Analytics and M/C Learning for BE and MCA pre final year students organized by T&P department on 9th March 2018.
- AMCAT awareness session is organized for second year candidates on 12th January 2018.
- Wipro campus Drive Pre-preparation Training programme for final year students was arranged in association with CSE, IT and MCA departments.
- Career prospects for “Software Testing and a roadmap of how to pursue this domain” delivered by Mr. Sanjay Wankhede.
- T&P Department arranged faculty Development Programme in association with Accenture, India. Accenture Learning Symposium on “DEVOPS & DEEP LEARNING” was organized at Pune from 21st and 22nd February 2018.
- Training and Placement Department along with our Alumni Association (under IGNITE Mentorship Program) had organized Three Day Employability Enhancement Workshop from 8th February to 10th February 2018 for selected number of Pre-final year students.
- Training and Placement Department along with our Alumni Association is organizing Three Day Skill Enhancement Workshop from 22nd to 24th March 2018 for selected number of B.E. Second year students.
- Two days Soft skill training program of Barclays, NASSCOM Foundation Global Talent Track Partnership is organised for all final year BE, MCA students on 4th - 5th October 2017. Trainers from GTT guided students about soft skills. Global Talent Track (GTT) has partnered with Universities, Education Institutions and Government bodies in India to provide quality with scale through programs and to deliver an innovative technologies and compelling content.
- A Midas Care Pharmaceuticals Pvt. Ltd. organized seminar on 13th July 2017 for Final year students.
- IOT by campus connect Pune organized a workshop for faculty members on IOT from 11th July to 13th July.
- A student interaction session for CS/IT pre final year students and MCA final year students was organized on 1st August 2017. The programme was hosted by Mr. Gaurav Gandhi, Academic Relationship Manager - India West of Tata Consultancy Services. He elaborated the students on recent trends in Technology.

- A guest lecture on career in civil services was organized for final year and pre final year students on 27th September 2017. Mr. Sanjeev Chetule, Assistant Commissioner (P) (EOL), Ministry of finance, Govt. of India has consented for addressing our students. His team has also agreed to mentor our students for taking career in civil services on long term basis.
- A guest lecture on Upcoming Wireless Technology and career prospects in mobile communication Industry was organized for second year BE (EN/EC/EDT) students on 3rd November 2017. The guests lecture was delivered by Mr. Prasanna Godse, Tata Tele services, Nagpur.

No. of students benefitted

1200

5.7 Details of campus placement

On campus			Off Campus
Number of Organizations Visited	Number of Students Participated	Number of Students Placed	Number of Students Placed
90	719	530	---

Placement services provided to students:

- 7 days FACE training programme for all final year students.
- Online Placement Registrations.
- Technical Skills enhancement training programmes.
- Soft skill training for all branches pre final year and final year students.
- Encouraged students for full semester Internship programme.
- Different Industry level Aptitude test like AMCAT, Monster College, FACE, etc.
- Guests Lectures for 2nd yr students to make them aware about latest trends in Industries.
- Programme for encourage students to participate in contests arranged by companies like TCS Codevita, Ninja, Accenture Enovation Challenge etc.

5.8 Details of gender sensitization programmes

- EVECA 2017 “Respecting Femininity” A Competition on “Design and Development of eve care devices (Sanitary Napkin Vending Machine) on 13th October 2017 by Dr. Sunita Dhote
- Seminar on “Health and Hygiene Sustainable Menstruation option” on 18th December 2017 by Seema Pardeshi Khandale
- Expert Talk on “Women Entrepreneurship” on 17th January 2018, conducted by faculty members of IIM Bangalore and IIM Nagpur.

5.9 Students Activities

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

State/ University level National level International level

No. of students participated in cultural events

State/ University level National level International level

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

Name of the award/ medal	National/ International	Sports/ Cultural	Name of the Student
Represented Indian Badminton Team for Junior World Championship Indonesia during 6 th to 22 nd Oct 2017	International	Sports	Mr. Saurabh Kerhalkar MBA Integrated (I Year)
Selected for Sr. National Hockey Championship to be held at Imphal, Manipur from 2 nd Jan to 21 st Jan 2018	National	Sports	Shivam Singh Thakur Electronics (II Year)
Secured third position in Maharashtra state power lifting tournament (junior section) at Nashik	National	Sports	Mr. Samruddha Raut Civil (III Year)

Eleven Color Holders (Players) from the college represented Nagpur University for different games in west Zone/ All India University Meet.	National	Sports	Player/Game	Participation
			AntraMehata (Basketball)	ALL INDIA
			AmanBobde (Swimming)	ALL INDIA
			Kritika Jain (Swimming)	ALL INDIA
			ChitranaNerkar (chess)	ALL INDIA
			NanamVij (Basketball)	WEST ZONE
			VinayMakode (Badminton)	ALL INDIA
			Shivam Singh Thakur (Basketball)	WEST ZONE
			Rishabh Gupta (Lawn tennis)	WEST ZONE
			PurwaAnasane (Lawn tennis)	WEST ZONE
			RishikeshDeshmukh (Gymnastic)	WEST ZONE
			SamruddhaRaut (Powerlifting)	ALL INDIA

University Level 2017-18			
	Place		Games
RTM Nagpur University Intercollegiate Tournament	Winner	02 Games	Chess (W) & 1 Gold Medal in Power lifting
	Runner-Up	03 Games	Table Tennis (M), Silver Medal in Athletics Men (4*400 relay), Football
	Third Place	03 Games	Basketball(W), Table Tennis (W) and 1 Bronze Medal in Gymnastics
Invitational Intercollegiate tournament			In UDGHOSH 18, The Intercollegiate Sports Fest, organized by RCOEM- winner in Table tennis (M), Runner up in table Tennis (W) and chess (mix)

5.10 Scholarships and Financial Support

	Number of students	Amount
Financial support from institution	114	<ul style="list-style-type: none"> • Match Allowance 100/150/ Per Day during Tournament • Track-Suits and Sports Kits are given to players
Financial support from government		
Financial support from other sources		
Number of students who received International/ National recognitions		

5.11 Student organised / initiatives

Fairs : State/ University level National level International level

Exhibition: State/ University level National level International level

5.12 No. of social initiatives undertaken by the students

By NSS

5.13 Major grievances of students (if any) redressed: No major grievances reported.

Criterion – VI

6. Governance, Leadership and Management

6.1 State the Vision and Mission of the institution

Vision of the institution

Shri Ramdeobaba College of Engineering and Management envisages the institute par excellence, providing world class technical and management education.

Mission of the institution

To impart quality education in the field of Engineering and Management and to foster mutually beneficial relationship with industries to create an intellectually stimulating environment for learning, research and for promoting professional and ethical values.

6.2 Does the Institution has a Management Information System

Yes.

“GEMS” is a cloud based education governance ERP system at RCOEM.

Overview: It is a comprehensive module based system which enables the functioning, governance and management of diverse education related activities of the college. The various modules allow effective integration of issues related with academics, non academics and finance; their analysis as well as report generation. It implements role based access and policies for performing various activities conforming to the hierarchical organizational structure of the college.

The modular design of GEMS enables the various academic as well non academic activities (related to finance, stock etc.) to be handled as independent modules. For e.g. Academics module implements all those things that are central to learning, education, and teaching, like handling courses and their configuration, syllabus design, continuous evaluation methods etc. In order to handle the entire repertoire of academics it is further divided into various sub modules as follows: Attendance, Course File, Examination, Class Management, Research Project, Mentoring, Collaboration, Online Tests and so on.

The Finance module offers Expense Management in an integrated manner across the organization and includes the following sub modules: Accounts, Admissions, Salary, and Purchase etc.

Thus, using the latest computing platform to deliver applications and data storage, GEMS completely manages the information processing needs of the college.

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

6.3.1 Curriculum Development

- Curriculum is the foundation of the teaching-learning process. The development of programmes of study, teaching and learning resources, lesson plans and assessment of students are all based on curriculum.
- Board of studies (BOS) has been constituted which includes one chairman (Head of the Department), all faculties in the Department as members, two student representatives, two experts from renowned academic institutions and one expert from industry. The syllabus is briefly discussed in BOS meeting with various experts and finalized only after the approval of BOS.
- The curriculum is focused on outcome based education and each course has defined objectives and outcomes, which are discussed with students during course conduction.
- References of reputed institution's curriculum like IIT and NIT are used to develop curriculum.
- Feedback from stake holders are taken into consideration for framing curriculum.
- Inputs from Alumni working in Industry are taken to design the curriculum as per the current requirements of Industry.
- Inclusion of Industry supported elective courses.
- Seminars and Guest Lectures from eminent personalities are organized.

- Open Electives: To bridge the gap between institute and industry requirements, the offering of open elective subjects is made mandatory to the students. The electives from other disciplines are also available to students. The understanding of new technology in Interdisciplinary domain is the main objective of offering open electives.
- Provision of one year internship for PG students in final year and six months internship for UG students in final semester.
- Choice Based Credit System (CBCS) implemented for Post Graduate Programmes.
- Program elective, group elective and open elective offered to ensure interdisciplinary learning.
- Industry Projects: The students for industry projects are selected on the basis of aptitude test conducted by Industries. The problem definitions for project in VII and VIII Semester are defined collaboratively by industry and the Institute. The projects are carried out under the guidance of one external guide from industry and one internal guide from the institute.
- Departments have well defined process to evaluate the quality of students based on two main parameters i.e. Result of students in the examination and Attainment of Program outcomes. Departments have defined set of Programme Outcomes for Under Graduate and Post Graduate courses.
- The Programme assessment and quality improvement committee discusses the results with faculty to identify the need for improvement and accordingly suitable corrective measures to be implemented are decided. The quality improvement strategies include corrective steps at course level as well as program level. The measures like modification and revision in course contents are done at course level while additional courses/ changes in scheme are proposed at program level.

6.3.2 Teaching and Learning

The teaching learning process is student centric and is based on outcome based education (OBE).

- Academic Calendar is prepared at the start of each semester.
- Teaching plan prepared by faculty for each course to be taught.
- NPTEL (National Programme on Technology Enhanced Learning) video and web courses made available to the students through the college library. Students use this resource for self-study.
- Power point presentations and other course related study material is made available on the Institution MIS website “GEMS”. Every student has access to the software and can download the material for self-reference.
- After each Internal Test, course coordinator identifies the students whose performance is below the satisfaction level. Course coordinator conducts remedial classes and personal counselling for these students. This helps to improve the performance of the student, which ultimately improves the course outcome and hence the PO attainment.
- SGPA Target Planner Tool: Planner tool is developed to guide students for the improvement of CGPA. Considering the present CGPA and target CGPA, the planner guides the student about the grades he/she should get in the subsequent examinations to achieve the goal. The tool motivates the students to put additional efforts for improving the performance level.
- Flexibility in mode of Teachers Assessment. Assignments / Minor Projects / MCQ test / Open Book test etc. are carried out under Teachers Assessment.
- Students are encouraged to take industry sponsored projects to solve industry problems.
- Continuous evaluation of Major Projects by an internal assessment committee.
- Well defined rubrics for the evaluation of lab and project.
- A variety of learning contexts including guided and independent study, project-based learning, collaborative learning, experimentation, etc.

- Learning environments (library, departmental library, computing facilities etc.)
- Video lectures prepared by faculty.
- Support to foster student achievement (e.g. counselling, career guidance, mentoring etc.)
- Curriculum and course contents are designed as per the need of industry.
- Tutorial classes help students to enhance their knowledge in the subject.
- To improve the quality of teaching, orientation programme for faculty is conducted.
- Use of ICT in teaching learning process.
- Inputs from IQAC, Department Academic Advisory Committee, parent teacher association and various feedback mechanisms is considered for improvising the teaching-learning.
- Concepts like Flipped class room, Google class room, video lectures, MOOC used to enhance learning.
- Workshops, Conferences, Industry expert talks are organized during the semester for the students to get acquainted with the latest technologies.
- Remedial lectures for slow learners.

6.3.3 Examination and Evaluation

Examination and Evaluation process is completely transparent

- Institute has constituted Examination Committee as per the Maharashtra University Act 1994 and the provision made in the XI Plan of U.G.C. guidelines.
- Three internal assessment tests in each semester and one end semester examination are in place to evaluate the students' performance and are conducted according to college guidelines.
- Faculty nominated as Officer In-charge will ensure the conduction of the end semester examination.
- Continuous evaluation in laboratories helps to enhance the practical knowledge through regular monitoring the progress.
- The moderation of question papers of End Semester Examination is carried.
- Transparency in evaluation of answer books. Valued answer books shown to students. Grievance, if any, revaluation done.
- Moderation of Internal Test papers to ensure quality of papers.
- Students submit examination forms online.
- Result processing by software GEMS.
- Online result declaration.
- Gazette and TR are generated through MIS. Semester Grade points are calculated and grade cards are generated.
- Projects are evaluated by a committee at the department level.

6.3.4 Research and Development

1. Research Incentives:

In order to motivate the faculty members following incentives are provided

- Incentives for Publications in Journal
- Incentives for attending Conference / Workshop / STTP / FDP / MDP / Seminars / Training in India
- Incentives for presenting paper in Conference abroad
- Incentives for Patents filing, publication and examination.
- Incentives for pursuing Part Time Ph.D.
- Incentives to Students for Publications in Journals

2. Internal funding for research:

- Research fund for young faculty members: The seed money is provided to faculty members for carrying out his/her research.
- The annual departmental R&D fund allocated to every department every year may be utilized for departmental R&D activities.

3. Intellectual Property Rights:

- College has dedicated IPR Cell which provides guidance, support and resources to all the faculty members, staff and students of RCOEM and facilitate protection and deployment of intellectual property.
- The cell creates awareness about the importance and role of IP Rights. It also facilitates the training of faculty members, staff and students regarding IPRs.
- The cell provides administrative, technical and legal support to faculty, staff and students for drafting and filling their patents
- The cell also helps the faculty members for getting copyrights to their work
- The cell also provides legal help through hired patent attorney

4. Incentives and Motivation for Pursuing Higher Studies:

- Faculty member of the college are allowed to pursue Part-Time PhD.
- Faculty members those are pursuing Part-Time PhD may get up to three months full salary study leave.
- The faculty members those pursuing part-time PhD at RCOEM or other Institutes of national repute like IITs/IISc/IITs/NITs are eligible for reimbursement of annual PhD fees.

5. Faculty Development initiatives:

- Orientation Programme on “Developing Aptitude for Research and Comprehensive Quality Enhancement” for newly recruited faculty of the college on 17th - 18th November, 2017.
- A seminar on intellectual property focussing on patents (criteria on patentability and patent search) was organized on 25th October 2017 by the IPR cell, RCOEM, Wednesday. The talk was delivered by Adv. Swapnil Gawande (Registered Patent attorney).
- In continuation with the efforts to inculcate research interest and innovative thinking amongst faculty members, the IPR cell of the institute had organized a guest lecture titled “Research Funding Agencies, Research Proposal writing, New Knowledge Creation and IPR” by Prof. M. Laxmikantam on 15th December 2017.
- Conducted a live Session on Urkund Anti Plagiarism services, was conducted on 28th of December 2017 at 1.00 Pm.
- Training program on Urkund, and anti-plagiarism software, was conducted on Saturday, 7th October 2017 at Conference Hall, Admin Block, RCOEM.
- Conducted a live Session on Urkund Anti Plagiarism services, was conducted on 28th of December 2017 at 1.00 pm. Participants were benefited from the Training program.

6. Other initiatives:

- M. Tech. and B.E. students are encouraged to pursue projects based on research outcomes published in referred journals and conferences.
- M. Tech. students are encouraged to publish their research in Scopus/SCI indexed journals only.
- Students are also provided opportunities to carry out industry associated / sponsored / assisted projects in the curriculum.
- Interaction with external experts for research proposal and collaborative research work is encouraged.
- College is involved in national initiatives through MHRD under Rashtriya Uchchattarhiksha Abhiyan (RUSA) in realizing ICT enabled Smart Universities.
- College is also associated with MSMEs of the region in developing solution to their problems.
- Visvesvaraya Ph.D. scheme of DeitY, Govt. of India has been implemented.
- Online journal subscriptions are accessible by the students as well as faculty for research.

- Research Groups are formed based on faculty expertise and research interest. Their regular meetings are organized to assess the progress of research work.

7. RCOEM – Research Awards:

- College has instituted two awards to recognize the faculty members for their extraordinary achievement in research. Two awards which are initiated are:
 - i. RCOEM - Researcher Award
 - ii. RCOEM - Young Research Award

6.3.5 Library, ICT and physical infrastructure / instrumentation

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.

Initiatives:

- Purchase of First year books as per new curriculum.
- Purchase and renewal of Urkund Plagiarism tool.
- Purchase of SCOPUS database.
- Added new titles of Competitive books.
- Added new titles of Sanskrit books.
- Recommendation from students regarding addition of new titles of books.
- Library period included in First year time table.

6.3.6 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.
- Orientation 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.

6.3.7 Faculty and Staff recruitment

Recruitment Procedure:

- Every year requirement for staff is sought from the Heads of the Department. The requirement is calculated on the basis of Cadre (Faculty: Student) ratio prescribed by the AICTE & Workload.
- Requirements submitted by the Head of the Department are scrutinized at the Principal's level.
- After Scrutiny at the Principal's level, the number of staff viz. Professor, Associate Professor and Assistant Professor, proposal is being submitted to the Board of Management and College Development Committee for creation of post as per AICTE norms.
- After approval for creation of posts by the authorities of the college, the proposal is submitted to the University for Approval to the advertisement of posts.
- Advertisement is issued in leading News Papers of Local and All India circulation as per the approval granted by the University.
- Applicants have to apply in response to the advertisement on payment of requisite Fees.
- Applications are forwarded to the concern Departments for scrutinizing the application as per prescribed norms and final merit list is prepared.
- Simultaneously the Board of Management has to suggest the subject wise panel of experts and nominees for consideration of Hon'ble Vice Chancellor of the University as required by the UGC/University norms.
- The Hon'ble Vice Chancellor recommends a panel of five persons each from the list of experts and nominees suggested by the authority of the College for appointment of two subject experts and two nominees to the Chairperson of the college.
- The Chairperson has to appoint two subject experts and nominate two nominees from the panel recommended by Hon'ble Vice Chancellor of the University on the selection committees.

- Finalization of interview Schedule.
- Appointment letter to the Members of Selection Committees.
- Interview Call to candidates (By e-mail, SMS, Telephone call and physical call letter by post)
- Verification of documents by staff of concerned department one hour prior to the start of interview.
- Interviewing the candidates by the selection committee/s.
- Finalize the candidate on the basis of his API scores as per norms and preparation of Report of Selection Committee (Minutes).
- Issue of the appointment order/s to selected candidate and collection of the consent letters.
- Proposal of Selected Candidate is submitted to the University for grant of Approval by the Vice - Chancellor.

6.3.8 Industry Interaction / Collaboration

The institute is having dedicated Industry Institute Interaction (III) cell. The goal of the cell is:

- To involve industry professionals in curriculum design, delivery and assessment so as to make students industry ready.
- To help industries to solve their problems through research, training and consultancy and involving industry professionals in curriculum design, delivery and assessment.
- To help industry professionals to upgrade their qualification, knowledge and skill through higher education, continuing education and training.
- Involved in arranging and assisting Industry Meet, Industries involvement in course curriculum design, Expert Lectures, Industrial Training for the Students, Industrial Visit – Study Tour, Student Projects, Training for the Faculty, Incubation and Entrepreneurship Orientation Programs.
- To provide ample opportunities for industry exposure to students and faculties through industry visit, summer internship and industry projects
 - Total Industry Visits arranged : 57
- To collect symbiotic relationship between institute and industry as well as research institutes to help industries to solve their problems. Memorandum of Understanding (MoU) with Industries, Academic Institutions, Government Organizations and NGO's is signed.
 - 34 MoU with industries
 - 8 MoU with Government Organizations and NGOs
- Consultancy provided to various industries.

Various events Conducted

- Empower-18, a unique mega event having participation of industries and participants from engineering colleges in India was conducted in the department of Electrical Engineering. A large contingent of practicing engineers from several multinational and national manufacturing and service industries visit the department for two days. Every company explains their latest technologies and showcases their latest products to the small group of 18-20 students every hour in round robin manner.

- PRAGATI (Project Reforms & Analysis Group for Adapting Technology in Industry) workshop Principals of Engineering Colleges in Vidarbha was organized to find ways to make the Engineering Human Resource more competent. This workshop was organized by Vigyan Bharti, Vidarbha Pradesh Mandal in association with Vidarbha Industries Association (VIA), an apex body of industries in Vidarbha and Shri Ramdeobaba College of Engineering and Management (RCOEM), Nagpur as a host institute for the workshop on 2nd December, 2017. Dr. Anil Sahasrabudhe, Chairman AICTE was the chief guest of the programme.
- DTE Seminar's was organised was organized by Dr. Abhay Wagh and coordinated by Dr. Gulabrao Thakare, Joint Director, Technical Education, Regional Office, Nagpur in association with Shri Ramdeobaba College of Engineering & Management, Nagpur. Around 50 Principals, 55 Deans and 67 Training & Placement Officers of various Engineering, Management, and Pharmacy institutes and 50 Industry professionals of Nagpur attended this meet.

6.3.9 Admission of Students

- All the admissions were done as per the rules/regulations/guidelines of competent authority (State CET Cell)
- Out of the total admissions 80% of admissions (29% CAP quota + 51% linguistic minority quota) were done through centralized admission process (CAP) through state CET Cell portal .The allotment of a seat to candidate was based on his/her merit rank . The merit rank was based on Score of required entrance exam (e.g. score of state CET exam or JEE Exam for B.E. Course).
- The remaining 20% admissions in Institute Level / management quota also were done strictly on merit. For these admissions also the merit rank given by state CET Cell was considered as the basis.

Computerization of administration and the process of admissions

- The admissions through centralized admission process (CAP) were totally computerized and online through DTE portal (www.dtemaharashtra.gov.in). All the stages like registration of candidate, uploading documents, verifying documents, generation of merit list, filling option form, allotment of seats, accepting the seat or filling options for next round for betterment, allotment in next round and finally confirming the allotted seat were all computerized.
- The institute level admissions were also computerized. The candidates were to apply online through institute website (www.rknec.edu). Based on the applications received, the merit list was generated through computer. The admissions were done by counseling, as per merit rank, in transparent manner.

6.4 Welfare schemes for

Teaching	<ul style="list-style-type: none"> • Gratuity • EPF • Medical Leaves • MediClaim Insurance Scheme • Group Insurance Scheme • Staff Co-operative society
Non teaching	<ul style="list-style-type: none"> • Gratuity • Medical Leaves • MediClaim Insurance Scheme • Group Insurance Scheme • Staff Co-operative society
Students	<ul style="list-style-type: none"> • 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 & Counseling, Career Guidance, Student Chapters • First aid unit in every department / building.

6.5 Total corpus fund generated

Nil

6.6 Whether annual financial audit has been done

Yes

No

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

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	Yes	External Members of reputed Institutes like IIT's and NIT's	No	
Administrative	--	--	Yes	Committee was constituted for the Audit at Institute level

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

For UG Programmes Yes No

For PG Programmes Yes No

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

- Setting of Question papers by external subject experts also.
- Moderation of Question papers by external subject experts also.
- Established spot valuation centre for smooth conduction of valuation.
- Online submission of examination forms.
- Continuous evaluation system for theory and laboratory courses.
- Proposed Choice Based Credit System for Under Graduate and Post Graduate.
- Proposed Decentralization of Post Examination work.
- Computerized examination form submission, result processing and declaration; Gazette, TR and grade card generation (through GEMS).
- Decentralization of post examination processing for M. Tech. programmes resulting in ease of operation and faster declaration of results

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

University has nominated its representatives and the subject experts on Board of Studies and Academic Council to promote and implement autonomy in respect of the following:

- To develop the curriculum, prepare the academic regulations and conduction of internal and end semester examinations.
- To issue Grade Card of each semester with SGPA and CGPA with college emblem and seal.
- To prepare academic and examination schedules.
- One representative from university is also in Board of Management (BOM).

6.11 Activities and support from the Alumni Association

Alumni Association of Shri Ramdeobaba College of Engineering and Management, Nagpur provides a common platform to all our alumni to interact with each other. Their years on campus meant more than learning and self-discovery. The alumni association carries out various activities like mentoring current students, placement assistance, internship assistance, helping economically weak meritorious students through student welfare fund as well as scholarship sponsored by alumni, arranging alumni meets etc. Mr. Tushar Marghade, Entrepreneur, Nagpur is the President of Alumni Association. Dr. (Mrs.) Mridula Korde is the Secretary and Professor In charge of Alumni Association.

Scholarship by Alumni

Mr. Amit Jain, Director, Mahagun India Private Limited, Noida, Entrepreneur Alumni from EDT Department (1995 Batch) has sponsored scholarship for five meritorious and economically weak students of RCOEM till completion of their graduation. This scheme is for consecutive three batches admitted in year 2015-16, 2016-17, and 2017-18. The scholarship amount is Rs. 50000/- per year for each student. The total amount of scholarship is Rs.30 lakhs. Last year , five meritorious and economically weak students of RCOEM admitted in the year 2015-16 have been awarded scholarship amount of Rs. 50000/- This year ten meritorious and economically weak students admitted in the year 2015-16 as well as in the year 2016-17 have been awarded scholarship amount of Rs. 50000/-



Mr. Amit Jain, Director, Mahagun India Private Limited



Ten meritorious students receiving Rs.50,000/- cheque by Mahagun India Private Limited

Alumni Meets

1. RCOEM Alumni Association North America Chapter Meet at Greensboro, NC, USA

RCOEM Alumni Association, North America Chapter organized Alumni Meet on 4th April 2018 at Greensboro NC, USA. The Alumni Meet was hosted for the fifth time in USA. The agenda of the meet was to strengthen the network to reach all the alumni and to have a very memorable association with them. Mr. Ranjan Ghate, worked hard for the success of the meet. Mr. Sarang Kayande, Mr. Vasant Agrawal, Mr. Ankul Maheshwari were prominently present for the meet.



2. RCOEM Alumni Meet at New Delhi

RCOEM Alumni Association, North India Chapter organized Delhi Alumni Meet on 12th May 2018 at Hotel Mapple Emerald, New Delhi. The Alumni Meet was hosted for the tenth time in New Delhi. The agenda of the meet was to strengthen the network to reach all the alumni and to have a very memorable association with them. Mr. Tushar Marghade, President of Alumni Association delivered the opening remarks and welcomed all the alumni and encouraged alumni and their alma mater. RCOEM Alumni Association also thanked the alumni for their contribution towards the college and iterated the ways in which they could help the college to grow. Dr. (Mrs.) Mridula Korde graced the meet with her presence.



3. Conclave - Annual Alumni Meet

To take a walk down the corridors of nostalgia, alumni Meet, Conclave was organized in RCOEM campus on 23rd December 2017. This year alumni from 2001 batch as well as 1992 (Silver Jubilee Batch) were felicitated by Shri Govindlal Agarwal, General Secretary, RCOEM. The occasion was graced by more than 100 Alumni and their family members ranging from various parts of the country and outside the country as well. A souvenir of Alumni Association was also published in this event. Speaking on the occasion, Shri Govindlal Agarwal, General Secretary, RCOEM underlined and praised the achievements of Alumni of RCOEM in all spheres of life. He felt that it was matter of great pride for RCOEM that its Alumni are holding positions of responsibility in various Government organizations, PSUs, Private sector, Academic Institutions. Many of them are successful entrepreneurs providing jobs to others as well. He praised their contribution towards the growth of their Alma Mater and emphasized the need for further strengthening the linkage between the Alumni and current students. He appealed all alumni to contribute in meaningful technical interactions with students and faculty. The occasion was graced by Dr. K. N. Agrawal, Prof. R. S. Dhiran, Dr. P. D. Pachpor, Dr. Mridula Korde, Mr. Tushar Marghade, ex teachers of RCOEM, faculties of RCOEM.



4. Alumni Meets by various Departments



Alumni Achievements

1. Mr. Lohit Kumar Yadav (AIR 1), Mr. Saurabh Chitlange (AIR 43)

Mr. Lohit Kumar Yadav, (Mechanical 2014) secured All India 1st Rank in IES examination (Mechanical Engineering) conducted in 2017. It is probably for the first time that a student from private engineering college has topped the list of successful candidates in IES exams. Mr.SaurabhChitlange (Mechanical 2013) secured All India 43rd Rank in the same exam.



2. Rajneesh Gurbani - Played a big part in helping Vidarbha win their first ever Ranji Trophy

One of the main reasons for Vidarbha's success in the 2017-18 Ranji Trophy is the emergence of fast bowler Rajneesh Gurbani who finished the season as the second-highest wicket-taker with 39 wickets. Vidarbha had never reached the Ranji final before. Rajneesh Gurbani is proud alumni of Shri Ramdeobaba College of Engineering and Management, Nagpur from Civil Engineering Department (2014 Batch).



3. Alumni Mr. Ghanshyam Ahuja as speaker in Nagpur Chapter of TiE

Mr. Ghanshyam Ahuja, proud alumni of Shri Ramdeobaba College of Engineering and Management, Nagpur, from Electronics Engineering (1993 Batch), delivered a session in prestigious Nagpur Chapter of TiE. Mr. Ghanshyam Ahuja has built competencies like business intelligence, data analytics and many more. He is Founder Managing Partner of an early stage fund with six companies in portfolio.

4. Incredible Achievement by Alumni Ninad Doifode

Ninad Doifode, proud alumni of Shri Ramdeobaba College of Engineering and Management, from Mechanical Engineering Department (2017 Batch), has been selected to undergo Officer's Training in the Officer's Training Academy, Chennai as a Pilot. Ninad had appeared for his SSB at Allahabad and Bangalore. On completion of training he will be commissioned as an Officer in Indian Navy.

5. Incredible Achievement by Alumni Mr. Ajay Agrawal

Bangalore based IT Firm Happiest Mind Technologies announced acquisition of Cupola Technology - a specialized IoT services company. Cupola Technologies is founded by our eminent Alumni Mr. Ajay Agrawal in 2011. Its 100 member team is now part of Happiest Mind Technologies. Mr. Ajay is Distinguished Alumni of 1994 Batch from Electronics Engineering. Later he joined BITS, Pilani for his Master's degree.

6. Incredible Achievement by Alumni Dr. Chandrani Prasad Verma (Mining 1999)

It should make every one of us proud by the incredible achievement by Dr. Chandrani Prasad Verma, Alumni of RCOEM (1999 Mining), Ph.D. (Mining), M. Tech (Mining), B.E. (Mining) and Diploma in Mining and Mine Surveying, Principal Scientist, CSIR-CIMFR, Regional Centre, Nagpur, Ministry of S&T. She graduated with First Merit position in University and joined CIMFR as Research Fellow with 1.5 years teaching experience. She received CSIR-JRF Fellowship in 2003 and 26th All India Rank in GATE-2003 examination. Cleared Gas Testing Examination conducted by DGMS in 1999. She has more than 12 yrs experience in the field of Rock Mechanics and Numerical Modelling with special reference to Mine Design in coal as well as metal mine sector.

She was honored by Shri R. Bhaskaran, the then Director Technical of W.C.L., Nagpur, on 26th Jan. 2000 for becoming University Topper in B.E (Mining) Examination, 1999 of Nagpur

University and First Lady Mining Engineer of the country. She had been honoured by “HIRKANI AWARD 2006” on 15th Dec 2006 for becoming “First lady Mining Engineer of the Country” by D.D Sahyadri team at Mumbai. Received CSIR Technology Award as Team member under the category of Physical Sciences including Engineering for “Developing the Technology for extraction design of locked-up coal by highwall mining in India”

She is among 112 ‘First Ladies’ honoured and felicitated in a glittering ceremony held in Rashtrapati Bhavan in New Delhi on January 10, 2018 by Honourable Shri Ram Nath Kovind, President of India, This award is given to those extra ordinary women who have set a milestone in their chosen fields and who busted stereotypes and broke the glass ceiling to become the Number One.



7. Incredible Achievement by Alumni Mrs. Sangita Rajankar (Electronics 1998)

Mrs. Sangita Rajankar (Electronics 1998) recently received Nation e-governance GOLD award for the project “RS & GIS based mapping for Water Supply and Sanitation (WSS) using HR Satellite Data”. Sangita works as Associate Scientist at Maharashtra Remote Sensing Applications Centre, Nagpur.



8. Incredible Achievement by Alumni Ms.Sunita Bhishikar (Electronics 1993)

Ms. Sunita Bhishikar (Electronics 1993) received an award at the hands of Mrs. Smriti Irani, Minister of Information and Broadcasting, Government of India, in 24th International Conference on Terrestrial and Satellite Broadcasting on 26th February 2018. Broadcast Engineering Society (India) is the biggest Society of broadcast professionals in India. Established in 1987 with the objective of disseminating knowledge in Radio& TV broadcasting among engineers and scientists in India, the Society encourages education, research and training in broadcast engineering through active cooperation with academic institutions, industry and Govt. The Society works closely with leading broadcast organizations in the world including ABU Malaysia, DRM U.K. and SBE U.S.A. The Society plays a leading role in inviting experts from different areas of broadcasting to facilitate adoption of new technologies in the broadcasting sector in India.



9. Incredible Achievement by Alumni Mr.Hemant Nandanpawar (Industrial 1992)

Mr. Hemant Nandanpawar, Director at Ernst & Young LLP, (Industrial 1992), received IndGlobal Green Award, for his sustainable contribution in the area of clean and green energy promotion, climate change and sustainable development. This is his fourth major award/appreciation and the earlier one includes Energy Awards by MEDA-Government of Maharashtra, Institution of Engineers India (IEI) and Government of Andhra Pradesh.

The news was very well covered by the Indian media, including different well known newspapers (more than 10) of three different languages (English, Hindi and Marathi) naming, The Hitavada, Sakal, Lokmat, Deshonnati, DainikBhaskar, DainikViderbha, Tarun Bharat and few more and the online news channel-News Lantern.



Alumni Association Activities

Seminar on Admission Process by RCOEM Alumni Association

The Alumni Association of Shri Ramdeobaba College of Engineering and Management organized a free seminar on “Admission Process of First Year B.E., Direct Second Year B.E., M.B.A., M.B.A. Integrated, M. Tech. & M.C.A.” on Saturday 3rd June 2017 at 4 PM in RCOEM Campus, Katol Road, Nagpur.

Dr. Mridula Korde, Alumni In charge, RCOEM welcomed all candidates and parents. She informed all parents regarding various activities under Alumni Association of RCOEM. Prof. P. B. Kulkarni, Dean Admissions, RCOEM and Dr. R. U. Tiwari explained rules and regulations of admission to First year B.E., Direct Second Year B.E., M.B.A., M.B.A. Integrated, M.Tech. & M.C.A for the academic year 2017-18 through an elaborative presentation. An interactive session was held detailing admission procedure, documents required, fee structure and other related information. Prof. P. B. Kulkarni and Dr. R. U.Tiwari answered all queries of the parents regarding rules and regulations of admission process in Engineering for the academic year 2017-18. A live telecast of the presentation was made available for all the parents and aspirants who could not register for this event. Around 500 aspiring candidates along with their parents attended the session. Prof. Rakshal Agrawal compared the event. All committee members worked hard for the success of the event.



Alumni Student Interactions





Topic: "Aim it...Achieve it"
Speaker: Mr.VatsalyaMathur, (EC 2017),
System Analyst at Tech Mahindra, Texas,
USA



Topic: "Career as Data Analyst"
Speaker: Mr.SoubhikDasgupta, (Electrical
2007) Founder & CEO of SDG Statistics
& Demographic Governance, Pune



Topic: "Entrepreneurship" Speaker: Mr.
Anurag Kulkarni, (Electrical 2001) Sa-
Digital Systems, Nagpur and Mrs. Rashmi
Kulkarni, (Electrical 2001),Nevtas Systems
Nagpur



Panel Discussion on Career Guidance in
Engineering Services Exams, Indian Air
Force Exams, Higher Studies Abroad was
organized by Mechanical Engineering
Department. Following Alumni from
Mechanical Engineering were the



Topic: "Scope of Higher Studies Abroad"
Speaker: Mr. Shailesh Atkari (Industrial
Alumni)



Topic: "Identifying, Analyzing and
Solving the Problems encountered in
Industrial Application" Speaker: Mr.
Tushar Dabhe (EDT 1993).



Topic: "Identification of Companies and Opportunities of Internship"
Speaker: Mr. Rahul Raghuwanshi (EDT 1994), Telecommunication Manager Operations in Mahindra Logistics, Mumbai



Topic: "Challenges during the interviews"
Speaker: Mr. Jitendra Dewangan and Mr. Aditya Lutade (EDT 2017 placed students)



Topic: "Identification of Companies and Opportunities of Internship"
Speaker: Mr. Akash Umap (EDT 2014), Associate Consultant at Capgemini



Mr. Abhishek Jha, Director at Global Logistics Pvt. Ltd., (Industrial 1992) was invited as guest of honor for the installation ceremony of Industrial Engineering Society (IES) and Entrepreneurship Development Cell (EDC). He talked about career enhancements along with overall skill development.



Mr. Archit Somani, Alumni from Electronics Engineering, gave exposure to "Internet of Things" in EC Department.



Mr. Kunal Kedar Alumni from Electronics Engineering, gave exposure to "Semiconductor Industry Trends and Product Design Flow" in EC Department.

Alumni Visits

Following Alumni visit college campus to get reconnected. They interacted with Principal Dr. R. S. Pande, Dr. Mridula Korde, Alumni In charge regarding current scenario and gave their valuable inputs on various issues like placements, current technologies etc. Principal Dr. Rajesh Pande felicitated all alumni.



Mr. Sachin Rathi (Industrial 1997), Channel Executive - IoT Solutions and Device Experience, at Microsoft, Singapore



Mr. Pravin Upadhyay (Mining 1994), Managing Director - PujRoh Innovative Technologies Pvt. Ltd., Hyderabad



Mr. Sandeep Arora (Electrical 1989), VP -Global Sourcing, Supply Chain & Strategy at SPX Transformer Inc, Waukesha, Wisconsin, USA



Mr. Nikhil Thard (Industrial 1999), Mr. Vivek Singh (EDT 1999), Mr. Shaleen Apurva (Mining 1999), Mr. Santosh Panse (Electronics 1999) .All



Mr. Ghanashyam Ahuja (Electronics 1993), Entrepreneur



Mr. Gurpreet Singh (Electronics 1993), Entrepreneur



Mr. Aditya Tiwari from 2003 Mining, Director - Support at NICE Ltd

6.12 Activities and support from the Parent – Teacher Association

- Parents meet is held at all the departments creating a stage for interaction of parents with HOD and other faculty members of the department once every semester.
- Student's performance is discussed during the meet as growth of the student is the major concern.
- Various schemes and facilities available in the college and department for enhancing the academic growth of the student are discussed.
- Information regarding training and placement is provided.
- In every parent meet, feedback from the parents oral and written is taken and analysed for further improvement and necessary actions.

6.13 Development programmes for support staff

Development programmes for supporting staff are conducted every year regarding upkeep of laboratories. Training provided in computer skills, knowledge of equipments in laboratory etc. The supporting staff is motivated to pursue their higher studies.

Field Technician (Computing & Peripherals) Course. The course is offered as per model curriculum approved by the Electronic Sector Skill Council of India and National Skill Development Corporation for QP-ELE/Q4601 NSQF Level:4. (Electronics Engineering have been approved under PMKVY-TI for 2017-18 by AICTE for the Electronics Sector). Total Participants: 25

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

- Promoting paperless environment. Continue to reduce paper usage by effective MIS.
- Making the campus go-green by planting trees in the campus.
- Buildings are designed in such a way to be effective in utilization of natural light and ventilation.
- Plastic Free Campus.
- Implementation of 'Swachch Bharat Abhiyan' in College campus.
- Energy conserving lights like CFL and LED are used in the Institute campus.
- Rain Water Harvesting.
- Hazardous Waste Management.
- E-Waste Management.
- Bird Baths Installation: REEF members installed bird baths at various places in the College campus to fulfil the water requirements of thirsty birds. A total of 14 bird baths were installed. These bird baths are taken care of by the gardening staff along with the REEF members. The College campus is rich in bird biodiversity and thus it's a step to conserve it. College students and staff were urged to refill the empty bird baths and also install bird bath at their place to help the birds survive the rising temperatures in the summer season.

Criterion – VII

7. Innovations and Best Practices

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

- Improvements / Additions have been done in various GEMS modules.

Academic modules for –

- Attendance Entry
- Examination Process

Non-Academic modules for –

- Library
- Communication and Announcement
- Office Management
- Faculty and Student Profile

Administrative modules for –

- Finance and Accounts
- Admissions
- Salary
- Purchases
- Leaves

- Bar Code Scanning for creating a digital record for Library usage.
- Rain Water Harvesting.
- Solar Panels are installed.
- Energy conserving lights like CFL and LED are used in the Institute campus.
- MoU's with Foreign Universities to enable joint collaborative programs, faculty and student exchange programs etc.
- Solar Cooker in Boys Hostel.
- Fire safety instruments are installed in Administrative Block, Electrical / Mechanical / Industrial Block and CS/IT Block.
- Drip system is installed.
- Hydraulic lifts are installed.

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

- External Academic Audit conducted. Department wise subject experts performed the audit and verified the existing processes and suggested the changes required. External Audit conducted from 19th - 29th August 2017.
- Internal Administrative Audit conducted for all Administrative Units/Departments. Department wise verified the existing processes and suggested the changes required. Internal Audit conducted from 23rd - 25th November 2017.
- Internal Autonomy Audit conducted and Annual Self Evaluation Report prepared.
- **NIRF 2017:**
India Ranking '64' by National Institutional Ranking Framework Ministry of Human Resource Development, Government of India in Engineering Category in 2017.
- **Outlook Survey Results 2017:**
Ranked 49th in Outlook's India's Best Professional Colleges 2017 Survey.
- Scheme and Syllabus of Undergraduate Programmes was revised with reference to AICTE model curriculum. New Scheme and Syllabus of Undergraduate Programmes was prepared to be implemented from 2018-19 session onwards.
- Two Undergraduate Departments applied for NBA Accreditation.
- Research grant –in-aid to young faculty of RCOEM by the Management of the Institute.
- Initiated RCOEM Researcher awards to motivate faculty to pursue research.
- Submitted proposals to various funding agencies and received grants for –
 - RGSTC-TIFAC-MSME Internship Program-Phase 2 (2017-18)
 - Pradhan Mantri Kaushal Vikas Yojna, AICTE
 - ASPIRE: "A scheme for promotion of innovation, rural industrialization and entrepreneurship", Ministry of MSME, Government of India
 - Virtual simulation environment for communication and embedded system design, AICTE – ISTE
 - Software Grant to Support teaching and research in Simulation, Simio Academy

- RCOEM RGSTC-TIFAC-MSME Internship Scheme for UG students implemented.
- Encouragement given to carry out industry based projects and Industry Internship. Students were motivated to go for Internship at reputed organizations. Total 221 students are undergoing Internship.
- Framed new R&D policy incorporating the provision of incentives to Students. PG students are given incentives for Research Publications.
- MoU signed with two Foreign Universities.
Two International Conferences scheduled to be conducted in session 2018-19 in association with foreign universities.
- Memorandum of Understanding (MoU's) with industries by various Departments.
- Expert Talks organized for students: Higher Studies abroad in foreign universities.
- Setup new Laboratories at Institute Level: Central Instrumentation Centre and Central Fabrication Centre
- Smart Class Rooms added in few Departments
- Conducted Technical Skills enhancement training programmes, soft skill training programmes, Aptitude test like AMCAT, FACE, etc. for students to make them campus ready.
- Research proposals communicated to different funding agencies by faculty members.

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

- Transparent Admission Process
- Transparent Evaluation Process

**Provide the details in annexure (annexure need to be numbered as i, ii, iii)*

****Details of Best Practices provided in Annexure IV**

7.4 Contribution to environmental awareness / protection

REEF (Shri Ramdeobaba college Engineers for Environment Forum) undertook the following activities in the session 2017-18:

Visit to Raman Science Centre with Balgram Kids

REEF had organized a visit to Raman Science Centre for kids of Balsadan on 19th, Feb 2018. REEFians regularly teach these kids' subjects like Maths, Science and English. The visit aimed at increasing their knowledge and learning real life applications of the topics they study in the books.

Educational Trip 2018

REEF visited "Tadoba-Andhari Tiger Reserve (TATR)" from 5th to 8th March 2018 as part of our educational tour. The tour proved helpful to us in terms of gaining knowledge and experience. We did bird-watching and 3 safaris in the core. They spotted various bird species that are not very common in Vidarbha region. We also learnt about the management, rules, and divisions of the Tiger Reserve.

Bird Watching Session with CPS Dhaba School

REEFians keep spreading the knowledge of bird watching by conducting sessions with schools to make the future of our society, i.e. our younger generations sensitive towards the environment so as to make them better individuals for a sustainable future. We also conducted an activity to solve bird puzzles where in the kids solved the puzzles prepared by REEFians and learnt the skill of bird watching and connected to nature in a play-to-learn method.

Cleanliness drive at Ambazari on World Environment Day

REEFians participated in a cleanliness drive organised by Forest Department at Ambazari Backwaters in Nagpur on the occasion of World Environment Day on 5th June, 2017. They observed that this rich habitat of birds was highly damaged due to continuous dumping of plastic waste, chemicals and garbage there. They cleaned a small portion of this habitat.

How Green Is Your Campus? Challenges beyond Boundaries

Interschool competition by REEF on Global Tiger Day over a period of a month long activities with final rounds on 28th- 29th July 2017. Like last year, this year too REEF organized an interschool competition. 14 different schools of Nagpur have enrolled in the competition. Each team consists of 7-10 students with 1-2 mentor faculties. The competition comprised of In-campus and Out-campus activities based on a choice out of the given activities, based on which a minimum activities had a fixed scoring pattern.

Awareness on POP Ganesha Idols during Ganesh Chaturthi Festival

This year too REEFians took a step towards environment conservation under the theme 'Ganesha Loves Nature', by spreading awareness about the same via presentation sessions in different schools and asking the future generations to opt clay models and also to dispose the Nirmalya in the collection pots during the Visarjan of Ganesha. We also prepared an eco-friendly idol of Ganesha and worshipped it during the 10 day festival at Balsadan premises. We also conducted an awareness interaction during the day of Visarjan at Police Line Taklilake, where in all the REEFians stood all day to protect the lake from the harmful POP idols as well as the waste disposal by people and also put up a flex to count the same. We observed that the use of POP idols, decreased as compared to last year by a considerable percentage and people agreed to the use of clay models after the interaction with REEFians. We also carried online awareness posts daily ensuring to reach more people, in which Ganesh Temple, Nagpur too supported us by sharing our posts at their page.

Wildlife Week 2017

During the Wildlife Week 2017, REEFians prepared wildlife silhouettes and displayed them around the college campus, which had different IUCN status, to make the students aware about the same. On 6th and 7th Oct 2017, Wildlife photographs clicked by REEFians were displayed on a flex titled 'Beauty of nature through REEF's lens' was displayed in an event conducted at college campus. The event also included wildlife themed flywheel game and tattoo stall.

Earth Hour March 2018

Earth Hour, organized by WWF, is a global grassroots movement uniting people to take action on climate change and protect the planet by cutting off power for an hour. It was famously started as a lights out event in Sydney, Australia in 2007. The movement has grown massively since then and the outcome has always been fulfilling the motto, which encouraged REEFians to work for the cause and spread awareness for the same. This year, Earth Hour was celebrated on 24th March, from 8:30-9:30 pm across 187 countries!

Earth hour was celebrated at RCOEM by cutting off power for an hour in the working hours, with which it became the first engineering college in central India to contribute for Earth Hour.

A presentation about the same was also conducted in the classes to awaken the sense of commitment that the youth shares with the planet and to encourage them to practice a total power cut off on their levels.

Not just the college premises, awareness had to be spread to the masses, hence, a public survey was conducted on the recycling habits of people and a message about Earth Hour was passed, after which, paper bags made by the REEFians were gifted to people as a token of appreciation for supporting the cause and for their participation in the movement.

For the first time, REEF collaborated with WWF-India, to encourage the shopkeepers in Sitabuldi, a widespread local market, for convincing them to support Earth Hour.

7.5 Whether environmental audit was conducted?

Yes

No

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

8. Plans of institution for next year

- Conduction of External Academic and Administrative Audit (AAA).
- Conduction of Internal Autonomy Audit.
- Conduction of 2nd Graduation Ceremony.
- Revision in scheme and syllabus of Undergraduate Programmes to be implemented from 2018-19 session onwards.
- Preparation for NBA committee visit for accreditation of two undergraduate programmes.
- Conduction of International Conferences / STTP / Workshops / Seminars etc.
- Preparation for 2nd Cycle of Re-Accreditation of NAAC.
- Submitting application for NBA accreditation extension for M. Tech Programmes for one year.
- Submitting application for NBA accreditation extension for Under-Graduate Programmes.
- Establishment of Ph.D. research centre at the institute for the enrolment of full time research scholars with stipend.
- Commencement of Autonomous Ph.D. programme.
- Creation/ Strengthening of Common Facility Centre (CFC) for faculty and students to carry out their research projects.
- Creation/Strengthening of Instrumentation Centre (IC) for faculty and students to carry out their research projects.
- Launching of R&D portal to disseminate various policies, notifications, information and data about R&D policies and funding agencies.
- Establishing centre for innovation for Small and Medium-sized Enterprise. The centre will generate patents on research work, publication of papers and execute various projects related to problem statements offered by SME.
- Establishment of Non-Formal Sanskrit Education Centre which will conduct certificate course on Sanskrit Language.
- Creating the facility of recording video lecture for faculty members with the aim to create video lecture bank for the courses.
- Improving placement of students in terms of packages offered by companies.
- Participate in National Institutional Ranking Framework (NIRF) and Atal Ranking of Institutions on Innovation Achievement (ARIIA) – 2019
- Participate in Atal New India Challenge which is an initiative by Atal Innovation Mission aimed at supporting innovators to create products/solutions based on advanced technologies in areas of national importance and social relevance through a grant-based mechanism.

- Apply for nodal centre of Smart India Hackathon 2019.
- Imparting Training to Students making them Campus ready.
- Strengthening of RCOEM TBI (Technology Business Incubator) Foundation.
- Submitting Research Proposals to various funding Agencies.
- Increase Industry Institute Interaction Activities.


DR. (MRS.) MEGHANA A. HASAMNIS
Coordinator, IQAC


DR. RAJESH S. PANDE
Chairperson, IQAC
Principal
Shri Ramdeobaba College
of Engineering & Management, Nagpur-13

Abbreviations:

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

ANNEXURE - I

Academic Calendars (2017-18)

SHRI RAMDEOBABA COLLEGE OF ENGINEERING & MANAGEMENT, NAGPUR 440013

ACADEMIC CALENDAR (2017-2018)


B.E. Semesters II, IV, VI & VIII; M.Tech Semesters II & IV; MCA Semesters II, IV & VI

Version 3

Date of Release: 20/01/2018

Academic activity	Date	Day
Display of Time-table	29 th December 2017	Friday
Commencement of classes	1 st January 2018	Monday
Declaration of mode of Teachers' Assessment by Course Coordinators	1 st - 4 th January 2018	
Display of Time-table for Remedial Classes (odd semester courses) for students who shall appear in Make-up examination. (before/after normal class hours) To submit copy to Dean Academics	2 nd January 2018	Tuesday
Conduction of remedial classes for above students	3 rd - 9 th January 2018	
Probable date of Makeup Examination (Theory & Practical)	15 th Jan - 3 rd Feb 2018	
Conduction of Test I (Two Tests of one hour duration each with a gap of minimum two hours)	5 th - 7 th February 2018	
Display of Test-I marks, showing of answer-books to students, grievance redressal, uploading marks in GEMS	8 th - 9 th February 2018	
Declaration and completion of Teachers' Assessment activity- I and uploading marks in GEMS	8 th - 17 th February 2018	
Student on-line feedback -I	8 th - 15 th February 2018	
Display of course wise list of slow learner students and Time-table of remedial classes for such students (before/after normal class hours) and submission of copy to Dean Academics	10 th February 2018	Saturday
Parent Teacher Meeting	10 th February 2018	Saturday
Probable date of declaration of results of Makeup Examination	10 th - 12 th February 2018	
Conduction of remedial classes for slow learner students (before/after normal class hours)	12 th - 20 th February 2018	
Meeting of PAQI/ PAC/ Dept. Faculty Board to discuss CO attainment of all courses of Odd Semester	17 th February 2018	Saturday
PRATISHRUTI	26 th - 28 th February 2018	
Conduction of Test II (Two Tests of one hour each with a gap of minimum two hours)	12 th - 14 th March 2018	
Display of Provisional Detention list (for attendance < 75% upto 10 th March 2018)	12 th - 13 th March 2018	
Display of Test-II marks, showing of answer-books to students, grievance redressal, uploading marks in GEMS	15 th - 17 th March 2018	
Declaration and completion of Teachers' Assessment activity- II and uploading marks in GEMS	15 th - 24 th March 2018	
Meeting with Stake-holders in departments (Alumni/Employer)	24 th March 2018	Saturday
Student on-line feedback -II	1 st - 10 th April 2018	
Internal Practical Examination	To be completed during normal time-table	
Last day of Teaching	10 th April 2018	Tuesday
Conduction of Test III (Two Tests of one hour each with a gap of minimum two hours)	11 th - 13 th April 2018	
Display and last date for submission of Final Detention List to Dean Academics	12 th April 2018	
Marking of detention in GEMS by Dean Academics (For B.E. Sem-II, 19 th April 2018)	17 th April 2018	
Display of Test-III marks, showing of answer-books to students, grievance redressal, uploading marks in GEMS	16 th April 2018	
Display and Finalization of Continuous Assessment Marks (Theory & Practical)	18 th - 19 th April 2018	
Last date for submission of Continuous Assessment Marks (Theory & Practical) to CoE	20 th April 2018 23 rd April 2018 for BE I-Year	
Probable dates of End Semester Theory & Laboratory Examinations (BE Sem-II ESE to start after 26.04.2018)	24 th April - 20 th May 2018	
Probable dates for showing the valued answer-books to students, grievance redressal and display of course-wise provisional grades on notice-board	Upto 23 rd May 2018	
Probable dates for submission of final marks and provisional grades to CoE	24 th May 2018	Thursday
Summer Vacation	25 th May - 8 th July 2018	
M.Tech Sem-IV and MCA Sem-VI Project Phase-II continues evaluation schedule	To be decided & notified by department in the beginning of semester	
Probable date of M.Tech Sem-IV and MCA Sem-VI Project Phase-II End Semester Examination	1 st - 16 th June 2018	
Probable date of declaration of results of End Semester Examination	28 th May 2018	Monday
Display of Time-table for Remedial Classes (even semester courses) for students who shall appear in Make-up examination. To submit copy to Dean Academics	30 th May 2018	Wednesday
Conduction of remedial classes for above students	1 st - 8 th June 2018	
Probable date of start of Make-up Theory & Laboratory Examinations	16 th June 2018	Saturday
Opening of next semester 2018-19	9 th July 2018	Monday
Display of Time-table for Odd Semester classes of 2018-19	13 th July 2017	Friday
Probable date of declaration of results of Makeup Examinations	13 th July 2018	Friday
Commencement of classes	16 th July 2018	Monday

* The dates may change due to circumstances beyond control. All concerned are requested to take note while planning any activity.


(Dr. S. B. Bodkhe)
Dean Academics


(Dr. R. S. Pande)
Principal

DEAN-ACAD-08

SHRI RAMDEOBABA COLLEGE OF ENGINEERING & MANAGEMENT, NAGPUR 440013

ACADEMIC CALENDAR (2017-2018)
MBA Semesters II & IV

Version 3

Date of Release: 20/01/2018

Academic activity	Date	Day
Display of Time-table	29 th December 2017	Friday
Commencement of classes	1 st January 2018	Monday
Declaration of mode of Teachers' Assessment by Course Coordinators	1 st - 4 th January 2018	
Display of Time-table for Remedial Classes (odd semester courses) for students who shall appear in Make-up examination. (before/after normal class hours) To submit copy to Dean Academics	2 nd January 2018	Tuesday
Conduction of remedial classes for above students	3 rd - 9 th January 2018	
Probable date of Makeup Examination (Theory & Practical)	15 th Jan - 2 nd Feb 2018	
CSR Initiative - Jashn	20 th January 2018	Saturday
Conduction of Test I (Two Tests of one hour duration each with a gap of minimum two hours)	3 rd - 7 th February 2018	
Display of Test-I marks, showing of answer-books to students, grievance redressal, uploading marks in GEMS	8 th - 9 th February 2018	
Declaration and completion of Teachers' Assessment activity- I and uploading marks in GEMS	8 th - 17 th February 2018	
Student on-line feedback -I	8 th - 15 th February 2018	
Display of course wise list of slow learner students and Time-table of remedial classes for such students (before/after normal class hours) and submission of copy to Dean Academics	10 th February 2018	Monday
Parent Teacher Meeting	10 th February 2018	Saturday
Probable date of declaration of results of Makeup Examination	10 th - 12 th February 2018	
Conduction of remedial classes for slow learner students (before/after normal class hours)	12 th - 20 th February 2018	
Meeting of PAQI/ PAC/ Dept. Faculty Board to discuss CO attainment of all courses of Odd Semester	17 th February 2018	Saturday
PRATISHRUTI	26 th - 28 th February 2018	
Conduction of Test II (Two Tests of one hour each with a gap of minimum two hours)	12 th - 15 th March 2018	
Display of Provisional Detention list (for attendance < 75% upto 10 th March 2018)	12 th - 13 th March 2018	
Display of Test-II marks, showing of answer-books to students, grievance redressal, uploading marks in GEMS	16 th - 19 th March 2018	
Declaration and completion of Teachers' Assessment activity- II and uploading marks in GEMS	16 th - 24 th March 2018	
Meeting with Stake-holders in departments (Alumni/Employer)	24 th March 2018	Saturday
Student on-line feedback -II	1 st - 10 th April 2018	
Internal Practical Examination (for Sem II)	To be completed during normal time-table	
Project Viva for Sem IV	2 nd - 7 th April 2018	
Last day of Teaching	10 th April 2018	Tuesday
Conduction of Test III (Two Tests of one hour each with a gap of minimum two hours)	11 th - 16 th April 2018	
Display and last date for submission of Final Detention List to Dean Academics	12 th April 2018	
Marking of detention in GEMS by Dean Academics	17 th April 2018	
Display of Test-III marks, showing of answer-books to students, grievance redressal, uploading marks in GEMS	17 th - 18 th April 2018	
Display and Finalization of Continuous Assessment Marks (Theory & Practical)	18 th - 19 th April 2018	
Last date for submission of Continuous Assessment Marks (Theory & Practical) to CoE	20 th April 2018	Friday
Probable dates of End Semester Theory & Laboratory Examinations	24 th April - 20 th May 2018	
Probable dates for showing the valued answer-books to students, grievance redressal and display of course-wise provisional grades on notice-board	Upto 23 rd May 2018	
Probable dates for submission of final marks and provisional grades to CoE	24 th May 2018	Thursday
Summer Vacation	25 th May - 8 th July 2018	
Probable date of declaration of results of End Semester Examination	28 th May 2018	Monday
Display of Time-table for Remedial Classes (even semester courses) for students who shall appear in Make-up examination. To submit copy to Dean Academics	30 th May 2018	Wednesday
Conduction of remedial classes for above students	1 st - 8 th June 2018	
Probable date of start of Make-up Theory & Laboratory Examinations	16 th June 2018	Saturday
Opening of next semester 2018-19	9 th July 2018	Monday
Display of Time-table for Odd Semester classes of 2018-19	13 th July 2017	Friday
Probable date of declaration of results of Makeup Examinations	13 th July 2018	Saturday
Commencement of classes	16 th July 2018	Monday

* The dates may change due to circumstances beyond control. All concerned are requested to take note while planning any activity.

(Dr. S. B. Bodkhe)
Dean Academics

(Dr. R. S. Pande)
Principal

DEAN-ACAD-08

SHRI RAMDEOBABA COLLEGE OF ENGINEERING & MANAGEMENT, NAGPUR 440013


**ACADEMIC CALENDAR (2017-2018)
MBA (Integrated) Semesters II, IV, VI, VIII & X**

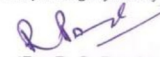
Version 3

Date of Release: 20/01/2018

Academic activity	Date	Day
Display of Time-table	29 th December 2017	Friday
Commencement of classes	1 st January 2018	Monday
Declaration of mode of Teachers' Assessment by Course Coordinators	1 st - 4 th January 2018	
Display of Time-table for Remedial Classes (odd semester courses) for students who shall appear in Make-up examination. (before/after normal class hours) To submit copy to Dean Academics	2 nd January 2018	Tuesday
Conduction of remedial classes for above students	3 rd - 9 th January 2018	
Probable date of Makeup Examination	15 th Jan - 2 nd Feb 2018	
CSR Initiative - Jashn	20 th January 2018	Saturday
Conduction of Test I (Two Tests of one hour duration each with a gap of minimum two hours)	3 rd - 7 th February 2018	
Display of Test-I marks, showing of answer-books to students, grievance redressal, uploading marks in GEMS	8 th - 9 th February 2018	
Declaration and completion of Teachers' Assessment activity- I and uploading marks in GEMS	8 th - 17 th February 2018	
Student on-line feedback -I	8 th - 15 th February 2018	
Display of course wise list of slow learner students and Time-table of remedial classes for such students (before/after normal class hours) and submission of copy to Dean Academics	10 th February 2018	Saturday
Parent Teacher Meeting	10 th February 2018	Saturday
Probable date of declaration of results of Makeup Examination	10 th - 12 th February 2018	
Conduction of remedial classes for slow learner students (before/after normal class hours)	12 th - 20 th February 2018	
Meeting of PAQI/ PAC/ Dept Faculty Board to discuss CO attainment of all courses of Odd Semester	17 th February 2018	Saturday
PRATISHRUTI	26 th - 28 th February 2018	
Conduction of Test II (Two Tests of one hour each with a gap of minimum two hours)	12 th - 15 th March 2018	
Display of Provisional Detention list (for attendance < 75% upto 10 th March 2018)	12 th - 13 th March 2018	
Display of Test-II marks, showing of answer-books to students, grievance redressal, uploading marks in GEMS	16 th - 19 th March 2018	
Declaration and completion of Teachers' Assessment activity- II and uploading marks in GEMS	16 th - 24 th March 2018	
Meeting with Stake-holders in departments (Alumni/Employer)	24 th March 2018	Saturday
Student on-line feedback -II	1 st - 10 th April 2018	
Internal Practical Examination (for Sem X)	To be completed during normal time-table	
Project Viva for Sem VI & X	2 nd - 7 th April 2018	
Last day of Teaching	10 th April 2018	Tuesday
Conduction of Test III (Two Tests of one hour each with a gap of minimum two hours)	11 th - 16 th April 2018	
Display and last date for submission of Final Detention List to Dean Academics	12 th April 2018	
Marking of detention in GEMS by Dean Academics	17 th April 2018	
Display of Test-III marks, showing of answer-books to students, grievance redressal, uploading marks in GEMS	17 th - 18 th April 2018	
Display and Finalization of Continuous Assessment Marks (Theory & Practical)	18 th - 19 th April 2018	
Last date for submission of Continuous Assessment Marks (Theory & Practical) to CoE	20 th April 2018	Friday
Probable dates of End Semester Theory & Laboratory Examinations	24 th April - 20 th May 2018	
Probable dates for showing the valued answer-books to students, grievance redressal and display of course-wise provisional grades on notice-board	Upto 23 rd May 2018	
Probable dates for submission of final marks and provisional grades to CoE	24 th May 2018	Thursday
Summer Vacation	25 th May - 8 th July 2018	
Probable date of declaration of results of End Semester Examination	28 th May 2018	Monday
Display of Time-table for Remedial Classes (even semester courses) for students who shall appear in Make-up examination. To submit copy to Dean Academics	30 th May 2018	Wednesday
Conduction of remedial classes for above students	1 st - 8 th June 2018	
Probable date of start of Make-up Theory & Laboratory Examinations	16 th June 2018	Saturday
Opening of next semester 2018-19	9 th July 2018	Monday
Display of Time-table for Odd Semester classes of 2018-19	13 th July 2017	Friday
Probable date of declaration of results of Makeup Examinations	13 th July 2018	Saturday
Commencement of classes	16 th July 2018	Monday

* The dates may change due to circumstances beyond control. All concerned are requested to take note while planning any activity.


(Dr. S. B. Bodkhe)
Dean Academics


(Dr. R. S. Pande)
Principal


SHRI RAMDEOBABA COLLEGE OF ENGINEERING & MANAGEMENT, NAGPUR
Academic Calendar (2017-2018), B.E. Semester-I

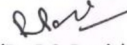
Rev-2

Date of Revision: 28/08/2017

Academic activity	Date
Meeting of PAQ/ PAC/ Dept. Faculty Board to discuss the CO-PO attainment of previous acad. year	22 nd July 2017 (Saturday)
Start of Academic Session of B.E Sem-I	1 st August 2017 (Tuesday)
Admission & Registration to MIS	1 st - 5 th August 2017
Display of Time Table	2 nd August 2017 (Wednesday)
GYANODAYA (First Year Induction Programme)	5 th August 2017 (Saturday)
Commencement of classes	7 th August 2017 (Monday)
Uploading of Teaching Plan and declaration of mode of Teacher's Assessment by Course Coordinators	7 th - 9 th August 2017
One-day Academic Audit at department level by External Auditor	19 th - 29 th August 2017
Conduction of Test I (Two Tests of one hour duration each with a gap of minimum two hours) For students admitted on or before 20th Aug 2017 and who did not change Group after 20th Aug 2017	8 th - 11 th September 2017 (Fri - Mon)
Showing of valued answer-books to students, discussion, grievance redressal, uploading marks in GEMS	12 th - 16 th September 2017
Student Feedback -I	12 th - 16 th September 2017
Display of course wise list of slow learner students; Display of Time Table of remedial classes for such students (before/after normal class hours) and submission of its copy to Dean Academics	18 th September 2017
Conduction of remedial classes for slow learner students	21 st - 26 th September 2017
Completion of Teacher's Assessment - I and uploading marks in GEMS	23 rd September 2017 (Saturday)
Conduction of Test II (Two Tests of one hour each with a gap of minimum two hours)	3 rd - 5 th October 2017 (Tue - Thu)
Showing of valued answer-books to students, discussion, grievance redressal, uploading marks in GEMS	6 th - 9 th October 2017
Parent Teacher Meet	7 th October 2017 (Saturday)
Student Feedback - II	10 th - 16 th October 2017
Display of Provisional Detention list (for attendance < 75% upto 10 th October 2017)	12 th October 2017 (Thursday)
Completion of Teacher's Assessment -II and uploading marks in GEMS	14 th October 2017 (Saturday)
Internal Practical Examination	To be completed during normal time table
Diwali Vacation	16 th - 21 st October 2017
ANNAKOOT	30 th October 2017 (Monday)
Last Day of Teaching	6 th November 2017 (Monday)
Conduction of Test III (Two Tests of one hour each with a gap of minimum two hours)	7 th - 9 th November 2017 (Tue - Thu)
Showing of valued answer-books to students, discussion, grievance redressal, uploading marks in GEMS	10 th - 13 th November 2017
Display of Final Detention List	13 th November 2017 (Monday)
Re-conduction of Test I (Two Tests of one hour each with a gap of minimum two hours) For students admitted on or after 21st Aug 2017 OR who did change their Group after 20th Aug 2017	11 th - 14 th November 2017 (Sat - Tue)
Showing of valued answer-books to students, discussion, grievance redressal, uploading marks in GEMS	15 th - 16 th November 2017
Submission of Final Detention List to Dean Academics	15 th November 2017 (Wednesday)
Finalization and display of Continuous Assessment Marks (Theory & Practical)	17 th November 2017 (Friday)
Submission of Continuous Assessment Marks (Theory & Practical) to CoE	18 th November 2017 (Saturday)
Probable dates of End Semester Theory Examination	20 th Nov - 12 th Dec 2017
Probable dates of End Semester Practical Examination	13 th - 19 th December 2017
Probable dates for showing the valued answer-books to students, grievance redressal and display of course-wise provisional grades on notice-board	13 th - 18 th December 2017
Probable dates of finalization and submission of marks and provisional grades to CoE	19 th - 20 th December 2017
Winter Vacation	21 st - 30 th December 2017
Probable date of declaration of results of End Semester Examination	27 th - 30 th December 2017
Display of Time Table for Semester- II classes	29 th December 2017 (Friday)
Commencement of Semester- II classes (2017-18)	1 st January 2018 (Monday)
Display of Time Table of remedial classes for subjects of odd Semester for students who shall be appearing for Make-up examination. (before/after normal class hours) To submit the copy of time-table to Dean Academics	2 nd January 2018 (Tuesday)
Conduction of remedial classes for above students	4 th - 10 th January 2018
Probable date of Makeup Examination (Theory & Practical)	15 th Jan - 3 rd Feb 2018
Probable date of declaration of results of Makeup Examination	10 th - 12 th Feb 2018
Meeting of PAQ/ PAC/ Dept. Faculty Board to discuss CO attainment of all courses of Odd Semester	17 th February 2018 (Saturday)

The dates may be changed due to circumstances beyond control. All concerned to take note while planning any activity.


(Dr. S. B. Bodkhe)
Dean Academics


(Dr. R. S. Pande)
Principal

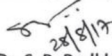
SHRI RAMDEOBABA COLLEGE OF ENGINEERING & MANAGEMENT, NAGPUR
Academic Calendar (2017-2018),
M.Tech Semester-I

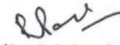
Rev-2

Date of Release: 28/08/2017

Academic activity	Date
Meeting of PAQV PAC/ Dept. Faculty Board to discuss the CO-PO attainment of previous acad. year	22 nd July 2017 (Saturday)
Display of Time Table	2 nd August 2017 (Wednesday)
GYANODAYA (First Year Induction Programme)	5 th August 2017 (Saturday)
Start of Academic Session	18 th August 2017 (Friday)
Admission & Registration in MIS	18 th - 19 th August 2017
One-day Academic Audit at department level by external Auditor	19 th - 29 th August 2017
Orientation of students to different academic activities (conducted at department level)	21 st August 2017 (Monday)
Commencement of classes	21 st August 2017 (Monday)
Declaration of Teaching Plan and mode of Teacher's Assessment by Course Coordinators	21 st - 23 rd August 2017
Conduction of Test I (Two Tests of one hour each with a gap of minimum two hours)	25 th - 27 th September 2017 (Mon - Wed)
Showing of valued answer-books to students, discussion, grievance redressal, uploading marks in GEMS	27 th - 29 th September 2017
Student Feedback - I	27 th Sep - 3 rd October 2017
Display of course wise list of slow learner students; Display of Time Table of remedial classes for such students (before/after normal class hours) and submission of its copy to Dean Academics	3 rd October 2017
Conduction of remedial classes for slow learner students	5 th - 11 th October 2017
Completion of Teacher's Assessment - I and uploading marks in GEMS	6 th October 2017
Conduction of Test II (Two Tests of one hour each with a gap of minimum two hours)	26 th - 28 th October 2017 (Thu - Sat)
Showing of valued answer-books to students, discussion, grievance redressal, uploading marks in GEMS	30 th Oct - 3 rd November 2017
Student Feedback - II	30 th Oct - 3 rd November 2017
Display of Provisional Detention list (for attendance < 75% upto 28 th October 2017)	30 th October 2017
Completion of Teacher's Assessment - II and uploading marks in GEMS	10 th November 2017
Internal Practical Examination	To be completed during normal time table
Diwali Vacation	16 th - 21 st October 2017
ANNAKOOT	30 th October 2017 (Monday)
Last Day of Teaching.	20 th November 2017 (Monday)
Conduction of Test III (Two Tests of one hour each with a gap of minimum two hours)	21 st - 23 rd November 2017 (Tue - Thu)
Showing of valued answer-books to students, discussion, grievance redressal, uploading marks in GEMS	23 rd - 25 th November 2017
Display of Final Detention List	27 th November 2017
Finalization and display of Continuous Assessment Marks (Theory & Practical)	27 th November 2017
Submission of Final Detention List to Dean Academics	29 th November 2017
Submission of Continuous Assessment Marks (Theory & Practical) to CoE	30 th November 2017
Probable dates of End Semester Theory Examination	2 nd - 13 th December 2017
Probable dates of End Semester Practical Examination	14 th - 19 th December 2017
Probable dates for showing the valued answer-books to students, grievance redressal and display of course-wise provisional grades on notice-board	14 th - 18 th December 2017
Probable dates of finalization and submission of marks and provisional grades to CoE	19 th - 20 th December 2017
Winter Vacation	21 st - 30 th December 2017
Probable date of declaration of results of End Semester Examination	27 th - 30 th December 2017
Display of Time Table for Semester- II classes	29 th December 2017 (Friday)
Commencement of Semester- II classes (2017-18)	1 st January 2018 (Monday)
Display of Time Table of remedial classes for subjects of odd Semester for students who shall be appearing for Make-up examination. (before/after normal class hours) To submit the copy of time-table to Dean Academics	2 nd January 2018 (Tuesday)
Conduction of remedial classes for above students	4 th - 10 th January 2018
Probable date of Makeup Examination (Theory & Practical)	15 th Jan - 3 rd Feb 2018
Probable date of declaration of results of Makeup Examination	10 th - 12 th Feb 2018
Meeting of PAQV PAC/ Dept. Faculty Board to discuss CO attainment of all courses of Odd Semester	17 th February 2018 (Saturday)

* The dates may be changed due to circumstances beyond control. All concerned to take note while planning any activity.


(Dr. S. B. Bodkhe)
Dean Academics


(Dr. R.S. Pande)
Principal

SHRI RAMDEOBABA COLLEGE OF ENGINEERING & MANAGEMENT, NAGPUR
Academic Calendar (2017-2018)
B.E. Semester III, V, VII; M.Tech. Semester III & V (Geotechnical Engineering); MCA Semester III & V

Rev-1

Date of Release: 20/06/2017

Academic activity	Date
Commencement of course registration/ re-registration without late fee	5 th July 2017 (Wednesday)
Display of Time Table for Odd Semester classes	6 th July 2017 (Thursday)
Commencement of classes	10 th July 2017 (Monday)
Uploading of Teaching Plan and declaration of mode of Teacher's Assessment by Course Coordinators	10 th - 13 th July 2017
Meeting of PAQI/ PAC/ Dept. Faculty Board to discuss the CO-PO attainment of previous acad. year	22 nd July 2017 (Saturday)
Student Feedback -I	7 th - 12 th August 2017
Conduction of Test I (Two Tests of one hour each with a gap of minimum two hours)	14 th - 18 th August 2017 (Mon - Fri)
Academic Audit at department level by External Auditor	19 th August 2017 (Saturday)
Showing of valued answer-books to students, discussion, grievance redressal, uploading marks in GEMS	19 th - 23 rd August 2017
Display of course wise list of slow learner students; Display of Time Table of remedial classes for such students (before/after normal class hours) and submission of its copy to Dean Academics	24 th August 2017 (Thursday)
Conduction of remedial classes for slow learner students	28 th Aug - 1 st Sep 2017
Completion of Teacher's Assessment - I and uploading marks in GEMS	6 th September 2017 (Wednesday)
Conduction of Test II (Two Tests of one hour each with a gap of minimum two hours)	18 th - 20 th September 2017 (Mon - Wed)
Showing of valued answer-books to students, discussion, grievance redressal, uploading marks in GEMS	21 st - 26 th September 2017
Completion of Teacher's Assessment -II and uploading marks in GEMS	3 rd October 2017 (Tuesday)
Parent Teacher Meet	7 th October 2017 (Saturday)
Student Feedback - II	10 th to 16 th October 2017
Display of Provisional Detention list (for attendance < 75% upto 10 th October 2017)	12 th October 2017 (Thursday)
Stakeholder meet/ Departmental Alumni Meet	14 th October 2017 (Saturday)
Internal Practical/ Internal M Tech Project Phase -I Examination	To be completed during normal time table
Diwali Vacation	16 th - 21 st October 2017
ANNAKOOT	30 th October 2017 (Monday)
Last Day of Teaching	6 th November 2017 (Monday)
Conduction of Test III (Two Tests of one hour each with a gap of minimum two hours)	7 th - 9 th November 2017 (Tue - Thu)
Showing of valued answer-books to students, discussion, grievance redressal, uploading marks in GEMS	10 th - 13 th November 2017
Display of Final Detention List	13 th November 2017 (Monday)
Submission of Final Detention List to Dean Academics	15 th November 2017 (Wednesday)
Finalization and display of Continuous Assessment Marks (Theory & Practical)	15 th November 2017 (Wednesday)
Submission of Continuous Assessment Marks (Theory & Practical) to CoE	17 th November 2017 (Friday)
Probable dates of End Semester Theory Examination	20 th Nov - 12 th Dec 2017
Probable dates of End Semester Practical Examination	13 th - 19 th December 2017
Probable dates for showing the valued answer-books to students, grievance redressal and display of course-wise provisional grades on notice-board	13 th - 18 th December 2017
Probable dates of finalization and submission of marks and provisional grades to CoE	19 th - 20 th December 2017
Winter Vacation	21 st - 30 th December 2017
Probable date of declaration of results of End Semester Examination	27 th - 30 th December 2017
Display of Time Table for Even Semester classes	29 th December 2017 (Friday)
Commencement of Even Semester classes (2017-18)	1 st January 2018 (Monday)
Display of Time Table of remedial classes for subjects of Odd Semester for students who shall be appearing for Make-up examination. (before/after normal class hours)	2 nd January 2018 (Tuesday)
To submit the copy of time-table to Dean Academics	
Conduction of remedial classes for above students	4 th - 10 th January 2018
Probable date of Makeup Examination (Theory & Practical)	15 th Jan - 3 rd Feb 2018
Probable date of declaration of results of Makeup Examination	10 th - 12 th Feb 2018
Meeting of PAQI/ PAC/ Dept. Faculty Board to discuss CO attainment of all courses of Odd Semester	17 th February 2018 (Saturday)

- The dates may be changed due to circumstances beyond control. All concerned to take note while planning any activity.

(Dr. S. B. Bodkhe)
Dean Academics

(Dr. R.S. Pande)
Principal

SHRI RAMDEOBABA COLLEGE OF ENGINEERING & MANAGEMENT, NAGPUR
Academic Calendar (2017-2018),
MBA Semester - I, MBA (Integrated) Semester - I

Rev-1

Date of Release: 20/06/2017

Academic activity	Date
Meeting of PAQ/ PAC/ Dept. Faculty Board to discuss the CO-PO attainment of previous acad. year	22 nd July 2017 (Saturday)
Start of Academic Session	1 st August 2017 (Tuesday)
Admission & Registration to MIS	1 st - 5 th August 2017
Display of Time Table	2 nd August 2017 (Wednesday)
GYANODAYA (First Year Induction Programme)	5 th August 2017 (Saturday)
Commencement of classes	7 th August 2017 (Monday)
Uploading of Teaching Plan and declaration of mode of Teacher's Assessment by Course Coordinators	7 th - 9 th August 2017
Academic Audit at department level by External Auditor	19 th August 2017 (Saturday)
Conduction of Test I (Two Tests of one hour each with a gap of minimum two hours)	4 th - 8 th September 2017 (Mon - Fri)
Showing of valued answer-books to students, discussion, grievance redressal, uploading marks in GEMS	7 th - 11 th September 2017
Student Feedback - I	11 th - 15 th September 2017
Display of course wise list of slow learner students; Display of Time Table of remedial classes for such students (before/after normal class hours) and submission of its copy to Dean Academics	12 th September 2017
Conduction of remedial classes for slow learner students	14 th - 22 nd September 2017
Conduction of Test II (Two Tests of one hour each with a gap of minimum two hours)	3 rd - 6 th October 2017 (Tue - Fri)
Showing of valued answer-books to students, discussion, grievance redressal, uploading marks in GEMS	6 th - 9 th October 2017
Parent Teacher Meet	7 th October 2017 (Saturday)
Student Feedback - II	10 th - 16 th October 2017
Display of Provisional Detention list (for attendance < 75% upto 10 th October 2017)	12 th October 2017 (Thursday)
Completion of Teacher's Assessment and uploading marks in GEMS	14 th October 2017 (Saturday)
Diwali Vacation	16 th - 21 st October 2017
ANNAKOOT	30 th October 2017 (Monday)
Last Day of Teaching	6 th November 2017 (Monday)
Conduction of Test III (Two Tests of one hour each with a gap of minimum two hours)	7 th - 10 th November 2017 (Tue - Fri)
Showing of valued answer-books to students, discussion, grievance redressal, uploading marks in GEMS	10 th - 13 th November 2017
Display of Final Detention List	13 th November 2017 (Monday)
Submission of Final Detention List to Dean Academics	15 th November 2017 (Wednesday)
Finalization and display of Continuous Assessment Marks	15 th November 2017 (Wednesday)
Submission of Continuous Assessment Marks (Theory & Practical) to CoE	17 th November 2017 (Friday)
Probable dates of End Semester Theory Examination	20 th Nov - 19 th Dec 2017
Probable dates for showing the valued answer-books to students, grievance redressal and display of course-wise provisional grades on notice-board	13 th - 18 th December 2017
Probable dates of finalization and submission of marks and provisional grades to CoE	19 th - 20 th December 2017
Winter Vacation	21 st - 30 th December 2017
Probable date of declaration of results of End Semester Examination	27 th - 30 th December 2017
Display of Time Table for Semester- II classes	29 th December 2017 (Friday)
Commencement of Semester- II classes (2017-18)	1 st January 2018 (Monday)
Display of Time Table of remedial classes for subjects of odd Semester for students who shall be appearing for Make-up examination. (before/after normal class hours) To submit the copy of time-table to Dean Academics	2 nd January 2018 (Tuesday)
Conduction of remedial classes for above students	4 th - 12 th January 2018
Probable date of Makeup Examination	15 th Jan - 3 rd Feb 2018
Probable date of declaration of results of Makeup Examination	10 th - 12 th Feb 2018
Meeting of PAQ/ PAC/ Dept. Faculty Board to discuss CO attainment of all courses of Odd Semester	17 th February 2018 (Saturday)

- The dates may be changed due to circumstances beyond control. All concerned to take note while planning any activity.

(Dr. S. B. Bodkhe)
Dean Academics

(Dr. R.S. Pande)
Principal

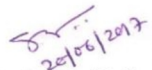
SHRI RAMDEOBABA COLLEGE OF ENGINEERING & MANAGEMENT, NAGPUR
Academic Calendar (2017-2018)
MBA Semester III; MBA (Integrated) Semester III, V, VII, IX

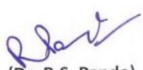
Rev-1

Date of Release: 20/06/2017

Academic activity	Date
Commencement of course registration/ re-registration without late fee	5 th July 2017 (Wednesday)
Display of Time Table for Odd Semester classes	6 th July 2017 (Thursday)
Commencement of classes	10 th July 2017 (Monday)
Uploading of Teaching Plan and declaration of mode of Teacher's Assessment by Course Coordinators	10 th - 13 th July 2017
Meeting of PAQI/ PAC/ Dept. Faculty Board to discuss the CO-PO attainment of previous acad. year	22 nd July 2017 (Saturday)
Student Feedback -I	7 th - 12 th August 2017
Conduction of Test I (Two Tests of one hour each with a gap of minimum two hours)	14 th - 19 th August 2017 (Mon - Sat)
Academic Audit at department level by External Auditor	19 th August 2017 (Saturday)
Showing of valued answer-books to students, discussion, grievance redressal, uploading marks in GEMS	19 th - 23 rd August 2017
Display of course wise list of slow learner students; Display of Time Table of remedial classes for such students (before/after normal class hours) and submission of its copy to Dean Academics	24 th August 2017 (Thursday)
Conduction of remedial classes for slow learner students	28 th Aug - 5 th Sep 2017
Conduction of Test II (Two Tests of one hour each with a gap of minimum two hours)	18 th - 21 st September 2017 (Mon - Thu)
Showing of valued answer-books to students, discussion, grievance redressal, uploading marks in GEMS	21 st - 26 th September 2017
Completion of Teacher's Assessment and uploading marks in GEMS	3 rd October 2017 (Tuesday)
Parent Teacher Meet	7 th October 2017 (Saturday)
Student Feedback - II	10 th to 16 th October 2017
Display of Provisional Detention list (for attendance < 75% upto 10 th October 2017)	12 th October 2017 (Thursday)
Stakeholder meet/ Departmental Alumni Meet	14 th October 2017 (Saturday)
Diwali Vacation	16 th - 21 st October 2017
ANNAKOOT	30 th October 2017 (Monday)
Last Day of Teaching	6 th November 2017 (Monday)
Conduction of Test III (Two Tests of one hour each with a gap of minimum two hours)	7 th - 10 th November 2017 (Tue - Fri)
Showing of valued answer-books to students, discussion, grievance redressal, uploading marks in GEMS	10 th - 13 th November 2017
Display of Final Detention List	13 th November 2017 (Monday)
Submission of Final Detention List to Dean Academics	15 th November 2017 (Wednesday)
Finalization and display of Continuous Assessment Marks	15 th November 2017 (Wednesday)
Submission of Continuous Assessment Marks (Theory & Practical) to CoE	17 th November 2017 (Friday)
Probable dates of End Semester Theory Examination	20 th Nov - 19 th Dec 2017
Probable dates for showing the valued answer-books to students, grievance redressal and display of course-wise provisional grades on notice-board	13 th - 18 th December 2017
Probable dates of finalization and submission of marks and provisional grades to CoE	19 th - 20 th December 2017
Winter Vacation	21 st - 30 th December 2017
Probable date of declaration of results of End Semester Examination	27 th - 30 th December 2017
Display of Time Table for Even Semester classes	29 th December 2017 (Friday)
Commencement of Even Semester classes (2017-18)	1 st January 2018 (Monday)
Display of Time Table of remedial classes for subjects of Odd Semester for students who shall be appearing for Make-up examination (before/after normal class hours) To submit the copy of time-table to Dean Academics	2 nd January 2018 (Tuesday)
Conduction of remedial classes for above students	4 th - 12 th January 2018
Probable date of Makeup Examination (Theory & Practical)	15 th Jan - 3 rd Feb 2018
Probable date of declaration of results of Makeup Examination	10 th - 12 th Feb 2018
Meeting of PAQI/ PAC/ Dept. Faculty Board to discuss CO attainment of all courses of Odd Semester	17 th February 2018 (Saturday)

- The dates may be changed due to circumstances beyond control. All concerned to take note while planning any activity.


(Dr. S. B. Bodkhe)
Dean Academics


(Dr. R. S. Pande)
Principal

ANNEXURE - II**Feedback Analysis (2017-18)**

Details of Feedback conducted in the institute:

Stakeholder	Frequency	Mode
Students	Twice in a semester	Online
Parents	Once in a semester	Manual (Formal/Informal during meetings)
Employers	Round the year	Manual (Formal/Informal during meetings)
Alumni	Round the year	Manual (Formal/Informal during meetings)

- The On-line Feedback from students is taken on three aspects, i.e.
 - (1) Faculty-wise teaching/learning experience in theory and laboratory courses
 - (2) Departmental facilities/support and
 - (3) Institutional facilities/support

The different parameters under each aspect are given below

Parameters for Students' feedback

Institute Level	Department Level	Faculty Level (Theory)	Faculty Level (Practical)
Central Library: Adequacy of titles and volumes	Adequacy of laboratory facilities (Space/ventilation/number of set ups etc)	Teaching Skill	Selection of experiments/ programming assignment/ case study were commensurate with the theory
Central Library: Ease in issuing of books	Availability and ease of computing & internet facility	Extent to which course outcomes were discussed in the beginning of the session	Experiments/ programming assignment/ case study were leading towards proper conclusion/ interpretation
Central Library: Suitability of library timing	Mechanism and approach to provide exposure to external world through field visits, guest lecturers etc.	Punctuality and regularity in conducting classes	Teacher helped in understanding the experimental observations/ logic of the program/ case study/ field study
Adequacy of facilities promoting Sports, NSS etc	Infrastructure (Furniture/blackboard/ illumination/fans/ flooring etc.)	Subject knowledge, lecture preparation and organization	Experimental setup was well maintained and operational/ software provided for executing the program was proper

Approach towards promoting co-curricular and extra co-curricular activities	Overall approach and commitment of the department towards providing quality technical and professional education	Blackboard management and communication skills	Precise, updated and self-explanatory manuals were provided
Adequacy and time-suitability of photocopying facility	Hygiene (class/sanitation/surrounding)	Ability to explain practical relevance and recent developments in the subject area	Teacher did assessment of experiments and journal regularly
College Canteen facility: timings and food quality	Mechanism and approach to deal with students/parents grievances	Encouragement and motivation to interactive teaching	Overall impression regarding the usefulness of the entire lab session in clarifying the student's theoretical knowledge
Centralized Computer laboratory and internet facility: qualitative and quantitative adequacy	Students guidance and mentoring facilities	Adequate coverage of syllabus	
Availability of distance learning resources, video lectures, web courses etc.	Availability of modern instruments and arrangements/facilities to provide hands on experience	Promptness and impartiality in assessment	
Student counselling and training for improving placements		Class Control	
Administrative office: Ease of Approachability		Approachability for discussion and interaction outside the class	
		Your inclination for taking another course from this teacher	

- Feedback from Parents is conducted during parent-teacher meetings. Meeting dates are prescribed in the academic calendar.
- Feedback from Employers is conducted by T&P office and by the Departments.
- Feedback from Alumni is conducted by Alumni Coordinator during various Alumni meetings and by the Departments when the Alumni visit the departments.

These feedbacks are analyzed at departmental level and corrective actions are initiated.

Sample analyses of Students' Feedback is as given below



Shri Ramdeobaba College of Engineering and Management, Nagpur



Feedback Report

Institute Feedback Report
EVEN SEMESTER FEEDBACK-1 (BE 2ND/3RD/4TH YEAR, All PG) 2017

Total No of Respondent :
2935

College Feedback						
Competency	Excellent	Very Good	Good	Poor	Very Poor	Average Grading (Scale of 5)
Central Library: Adequacy of titles and volumes	13.15	28.18	44.09	9.40	5.18	3.35 (67.00 %)
Central Library: Ease in issuing of books	13.83	31.38	42.96	7.63	4.19	3.43 (68.60 %)
Central Library: Suitability of library timing	13.73	30.94	44.29	6.75	4.29	3.43 (68.60 %)
Adequacy of facilities promoting Sports, NSS etc	11.99	27.33	46.68	8.35	5.66	3.32 (66.40 %)
Approach towards promoting co-curricular and extra co-curricular activities	11.89	30.02	44.43	7.87	5.79	3.34 (66.80 %)
Adequacy and time-suitability of photocopying facility	11.31	27.50	47.02	8.89	5.28	3.31 (66.20 %)
College Canteen facility: timings and food quality	11.01	26.88	45.45	9.74	6.92	3.25 (65.00 %)
Centralized Computer laboratory and internet facility: qualitative and quantitative adequacy	12.47	29.27	45.55	8.01	4.70	3.37 (67.40 %)
Availability of distance learning resources, video lectures, web courses etc.	10.83	28.14	45.83	9.13	6.06	3.29 (65.80 %)
Student counseling and training for improving placements	10.97	28.35	46.41	8.69	5.59	3.30 (66.00 %)
Administrative office: Ease of Approachability	11.55	29.10	46.81	7.60	4.94	3.35 (67.00 %)
Administrative office: Ease of Approachability	11.82	29.37	45.96	7.97	4.87	3.35 (67.00 %)
Total Average						3.34 (66.82 %)

Format of Alumni feedback

**Shri Ramdeobaba College of Engineering and Management, Nagpur-440013 (M.S.)
Feedback –Alumni**

Name of Alumni:

Branch:

Year of Graduation:

Post graduation (if applicable):

Present Employment:

Present Designation:

Please put an ‘x’ mark in the column

Your Judgment	5 Excellent	4 Very Good	3 Good	2 Average	1 Poor
------------------	----------------	----------------	-----------	--------------	-----------

Sr. No	Parameters	5	4	3	2	1	No Judgment
1.	To what extent you were prepared for your pursuit for Excellence?						
2.	To what extent the institute has provided you platforms for developing Leadership Qualities necessary in your profession?						
3.	Whether inputs regarding Adherence to Ethical values helped you in your professional achievements?						
4.	As a process of Lifelong learning, have you made any additional efforts to enhance your knowledge regarding the latest developments in the field/technology? Have you pursued your post graduation?						
5.	To what extent the college helped you develop Professional Attitude?						
6.	To what degree you are satisfied with Communication Skills (oral/written/other) you have developed over the years?						
7.	To what extent your activities in the college helped you develop Teamwork skills leading to success in your career?						
8.	To what level your Abilities to work in multidisciplinary team were developed helping you in your professional life?						
9.	How far you have been successful in relating the engineering knowledge & skills to cater the broader social responsibilities?						
10.	To what extent you could use your scientific and engineering knowledge for analyzing/designing/creating novel products or to provide solutions for real life problems?						
11.	To what extent you could apply knowledge of Mathematics /engineering fundamentals to solve core engineering /technological problems?						
12.	Any additional suggestions for improvement in our graduates:						

ANNEXURE – III**Revision / Updates in Regulations**

Following were the revisions in various regulations approved by Academic Council during 2017-18.

- Post Graduate Regulation R13.8: Modification in eligibility criterion to take up courses of Semester-III in the summer term for the sake of one year internship in industry.
- Post Graduate Regulation R13.5: Modification in criterion for re-registration of backlog courses.
- Post Graduate Regulation R 24.1, MBA (Integrated) R24.1 and Under Graduate Regulation R25.1: Modification in extension of maximum period.
- Under Graduate Regulation R29 (ii): Guidelines for Award of Grades
- Post Graduate Regulation R17.4: Modification in maximum duration for students absorbed from University pattern.

The revision / update in Syllabi during 2017-18 are as follows:

Sr. No	Semester	Code and name of course	Salient features of revision of syllabus
Name of Program: B.E. (Information Technology)			
New scheme of BE (IT) in line with AICTE model curriculum was framed in 2017-18 for the progressive implementation from 2018-19. It was approved in Academic Council meeting held in July 2018. However, no revision or updating of current syllabi undertaken for immediate implementation in 2017-18.			
Name of the Program: B.E. (Industrial Engineering)			
1	III	(INT 651-4) Productivity improvement Techniques	New Elective proposed in Group Elective I
Name of Program: B.E. (Electronics Engineering)			
1	V	(ENT 304) Microprocessor and Interfacing	Introduced 8086, instruction set and assembly language programming
2	VI	(ENT-306) Microwave Engineering	Added topics related to Impedance transformation & matching.
3	VII	(ENT 405-3) Micro-electro Mechanical System	Replaced TV projector by DLP projector
4	VIII	(ENT410-3) Digital Image Processing	Included topics related to Image Restoration, Image De-noising. In perspective of developing vision-based applications, the topics on localized feature extraction, Hough transform, Image segmentation using Graph cut algorithm,

			Color image denoising: problem definition, concept of CFA - Bayer pattern were included.
5	VI	(ENT 308) Computer Organization	Topics on Input/ Output Subsystem, Interfaces and buses, I/O Operations, Designing I/O Systems were included
6	VII	*(ENT 402) CMOS VLSI Design	Removed the topics on CMOS Sub-System Design: Data path Operations-Addition/Subtraction, Multiplication, Shifters.
7	VII	*(ENT403) Digital Signal Processing	Included topics on Filtering of long data sequences & Analysis of LTI system using DTFT to give exposure to Students to learn the techniques to filter long data sequences & analyze the system using DTFT respectively
*The course modification was done in the BOS meeting of year 2017-18 but changes will be implemented from session 2018-19.			
Name of Program: M. Tech (VLSI Design)			
1	III	(ENT 652-3)Low power VLSI Design	<ul style="list-style-type: none"> • Rearrangement of the course contents in terms of architectural level and design level concepts • Changes in reference textbooks
2	II	(ENT 559-3)MEMS	<ul style="list-style-type: none"> • Contents on Micro sensors and actuators are merged • Introduced the contents on micro system design & packaging
3	II	(ENT 558)Research Methodology	Topics related to data presentation skills; tools for simulation & writing technical report are added.
4	II	(ENT 557)System Verilog for Verification	Added contents on Introduction to PERL instead of Introduction to Formal Verification.
5	II	(ENT 560)VLSI Design Automation	<ul style="list-style-type: none"> • Introduced a separate unit on Algorithmic Graph Theory and Combinatorial Optimization. • Included some algorithms on routing. • Removed High Level Synthesis.

Name of Program: Electronics Design Technology			
1	V	EDT308 Computer Organization	Topics on Input/ Output Subsystem, Interfaces and buses, I/O Operations, Designing I/O Systems were included
2	VIII	EDT411-4 Operating system	<ul style="list-style-type: none"> Describe the general architecture of computers, Contrast and compare differing structures for operating systems. Implementation of processes and scheduler included Physical and virtual memory, scheduling, I/O and file topics are included
3		EDT410-4 Display Technologies	<ul style="list-style-type: none"> Displays and display technologies on technological and manufacturing aspect. Topics based on Display associated technologies like OLEDs, LCDs, active matrix and advance TFT & backplanes for display, backlight units etc.
4		Industry Internship scheme included as EDT410-5 Industry elective I EDT411-5 Industry elective II	The student will undergo exhaustive training and execute a project in the industry.
Name of Program: Mechanical Engineering			
1	I/II	MET 151 Engineering Graphics and Design	
2	I/II	MEP151 Engineering Graphics and Design	Practical related to REVIT, Building drawing reading added.
Name of Program: M.Tech (Structural Engineering)			
1	II	CET558 Design of Earthquake Resistant RCC Structures	Topics on revised IS1893 2016 code added
2	III	CET651-1 Elective II Design of High Rise Structures	Wind analysis of Multistoried building as per IS 875 part III added
3	III	CET598-2 Group Elective-II Design of Environmental Structures	Topic “Design of Elevated Service Reservoir” added

Name of Program: Master in Computer Application (MCA)			
1	III	MCP623-1 Mobile Application Development Lab	A new Scheme of Choice based credit system is introduced from 2017-18 session.
		MCP623-2 Linux System Administration & Maintenance Lab	
		MCP623-3 Ethical Hacking Lab	
		MCP623-4 System Programming Lab	
		MCT624-1 Development Frameworks & Virtual machines	
		MCT624-2 Advanced Computer Architecture	
		MCT624-3 Image Processing	
		MCT624-4 Introduction to Real Time Operating Systems	
		MCT624-5 Pattern Recognition	
		HUP601-1 Business Correspondence & Report Writing	
		HUP601-2 Constitution of India & Human Rights	
2	IV	MCT625 Compiler Construction	A new Scheme of Choice based credit system is introduced from 2017-18 session. Introduced Open Elective courses offered by other departments
		MCT626 Internet & Web Technologies	
		MCP626 Internet & Web Technologies Lab	
		MCT627 Open Elective (Offered by other departments)	

		MCT628-2Multimedia & Its Applications	
		HUT602-1Human Resource Management	
		HUT602-2Organizational Behavior	
		MCT629-1Advanced Databases	
		MCT629-2Introduction to Internet of Things	
		MCT629-3Operation Research	
		MCT629-5High Performance Computing	
		MCP629-1Programming in Python Lab	
		MCP629-2Web Development Lab	
Name of Program: BE (Electrical Engineering)			
Sr. No	Semester	Course code and Name in which revision was made	Salient features of Revision of syllabus
1	I	EET151 :Basic Electrical Engineering	Course modified as per AICTE curriculum Model
2	VIII	EET409-4 :EHV Substation Design and Erection	New topic on EHV Transmission Tower and GAS Insulated Substation introduced
Name of Program: M. Tech. PEPS			
1	I	EET556 :FACTS and HVDC Transmission	COs are modified
Name of Program: MBA			
1	Sem II	MBP553 Analytical Skill Lab	Code changed and more options were given under lab courses (MBP555)
2.	Sem II	MBP554 Corporate Grooming Lab	Code changed and more options were given under lab courses (MBP555)
3.	Sem II	News Lab courses Introduced under MBP555	MBP555-1 – Analytical Skill Lab MBP555-2 - Corporate Grooming Lab

			<p>MBP555-3 - Marketing Lab</p> <p>MBP555-4 - Financial Modeling Lab</p> <p>MBP555-5 - Quality Control Lab</p> <p>MBP555-6 - Advanced Spreadsheet Lab</p>
4.	Sem III and IV	New courses were introduced under each elective i.e the number of courses in each basket were increased.	<p>1. Marketing Management</p> <p>MBT 651-11 Marketing Analytics</p> <p>MBT 651-12 Social Marketing</p> <p>MBT 651-13 Digital Marketing</p> <p>2. Finance</p> <p>MBT 652-11 Wealth Management#</p> <p>MBT 652-12 Insurance Management</p> <p>3. Human Resource Management</p> <p>MBT653-11 Organization Development</p> <p>MBT653-12 Competency Mapping #</p> <p>MBT653-13 Employer Branding #</p> <p>4. Operations Management</p> <p>MBT 654-11 Ergonomics in industrial Health & Safety Management</p> <p>5. Entrepreneurship and Family Business</p> <p>MBT656-10 International Business</p> <p>MBT 656-11 Launching & Managing an Enterprise</p> <p>MBT 656-12 Buying an Existing Business</p> <p>MBT656-13 Entrepreneurial Innovation</p> <p>MBT 656-14 B2B Marketing</p> <p>MBT 656-15 Knowledge Entrepreneurship</p> <p>MBT 656-19 Logistics Management</p>
5.	Sem III and IV	New Elective was introduced with new courses	<p>Management</p> <p>MBT 657-1 Creativity & Innovations</p>

			<p>MBT 657-2 Leadership Skills</p> <p>MBT 657-3 Business Analytics</p> <p>MBT 657-4 Sociology</p> <p>MBT 657-5 Technical Analysis & Report Writing</p>
6.	Sem III and IV	MBT 551- Consumer Behaviour & Marketing Research	<p>MBT 651-14 Consumer Behaviour</p> <p>MBT 651-15 Marketing Research</p>
7	Sem III and IV	<p>MBT553-4 Industrial Relations</p> <p>Labour Legislations</p>	<p>MBT 654-14 Industrial Relation</p> <p>MBT 653-15 Labour Laws</p>
8	Sem III and IV	MBT556-1 Dynamics of Family Business	MBT 656-16 Family Business Management
9	Sem III and IV	MBT 556-3 Financing of Emerging Enterprise	MBT 656-18 Entrepreneurial Finance
10.	Sem III and IV	MBT556-2 Legal and Tax Environment	MBT 656-17 Business Tax Planning
11.	Sem III and IV	-	Industry offered Elective were introduced
Name of Program: MBA (Integrated)			
1	Sem I	<p>MIT101- English Language</p> <p>MIT102 - Business Ethics & Corporate Governance</p>	Up-gradation of course syllabus is done by respective course coordinators as per changing requirements
2	Sem V	MIT303 - Consumer Behaviour	
3	Specialization electives offered in Sem VII, VIII & IX	<p>MIT 403 – 12 Competency Mapping</p> <p>MIT404-3 Industrial Marketing</p> <p>MIT404-5 Sales Management</p> <p>MIT404-6 Services Marketing</p> <p>MIT404-7 Rural Marketing</p>	

		<p>MIT404-11 Digital Marketing</p> <p>MIT404-13 Marketing Research</p> <p>MIT403-7 International HRM</p> <p>MIT403-10 Organisational Theory: Structures and Design</p>	
4	<p>Specialization electives offered in Sem VII, VIII & IX</p>	<p>MIT401-16 Social Entrepreneurship</p> <p>MIT401-17 Technology Appreciation and Intellectual Property Rights</p> <p>MIT401-18 Entrepreneurial Marketing</p> <p>MIT401-19 Innovation Technology Management</p> <p>MIT402-13 Behavioural Finance</p> <p>MIT 403-14 Strategic HRM</p> <p>MIT404-15 Green Marketing</p> <p>MIT404-16 Marketing of Banking & Financial Services</p> <p>MIT 404-17 Customer Experience & Relationship Management</p> <p>MIT405-12 Sourcing Management</p> <p>MIT405-13 Productivity through Design & Measurement of Work</p> <p>MIT405-14 Design & Analysis of Lean Production Systems</p>	<p>New courses for specializations are introduced</p>

Name of Program: B.E. (Computer Science and Engineering)			
1	VIII Sem	Web Intelligence and big data	Included topics to meet recent trends in the field.
2	V Sem	Design and analysis of algorithm	Included some advanced topics such as cloud computing and big data preview to explore the application aspects
3	VII Sem	Language Processors	Included detailed study of some topics to acquire the depth of the course which is beneficial for higher studies
4	VII Sem	Web Architecture & Technology	Included topics such as different web servers, Digital certificates to make students understand practical approach for the course.
Name of Program: B.E (Electronics and Communication)			
1	8 th Semester	ECT410-2 RF Circuit Design	RF based mixers and amplifiers are included in the syllabus for better design process

ANNEXURE – IV

Two Best Practices of the Institute

Best Practice (1)

Title:

Transparent Admission Process

Objective:

Transparent process of admission of students to the programmes of study is purely on merit basis. As the admissions are purely on merit basis, it facilitates many deserving students to have an opportunity to avail high quality technical education in this college by paying tuition fees only which is decided by 'Shikshan Shulka Samiti' set up by Director of Technical Education, Govt. of Maharashtra.

Context:

Institute comes under 'Linguistic Minority Status'. Distribution of seats is: Out of the total admissions 80% of admissions (29% CAP quota + 51% linguistic minority quota) are done through centralized admission process (CAP) through state CET Cell portal. The allotment of a seat to candidate is based on his/her merit rank. The merit rank is based on score of required entrance exam (e.g. score of state CET exam or JEE Exam for B.E. Course). The remaining 20% admissions in Institute Level / Management quota are also done strictly on merit. For these admissions also the merit rank given by state CET Cell is considered as the basis. The admissions under Linguistic Minority Quota are done through Centralised Admission Process (CAP). College has adopting a very transparent and judicious system of admission with strict adherence to merit leaving no room for charging either any capitation fee or donation. Thus, only academically deserving students can get admission in this institute.

Practice:

The practice is meant to achieve transparency in the admission process by (a) notifying admission in dailies. (b) Design admission form as per requirement and post online for the students to fill the admission form. (c) Scrutiny of applications received and Prepare Merit List. (d) If any discrepancies from the students are present then rectifying the discrepancies and preparation of Final Merit List (e) admissions are done as per the merit list (f) Allow students to cancel admissions if required and declare vacancies against cancellation (g) Display list of admitted students Programme Wise on Notice Board.

Evidence of Success:

Institute has gained immense popularity across the country due to its open and transparent admission process through open counselling. There is total transparency in the system. The students are admitted ethically on merit basis only. Because of the admission of meritorious students results and placements are satisfactory. The community has expressed its satisfaction about the transparency.

Best Practice (2)

Title:

Transparent Evaluation Process

Objective:

Transparency in evaluation process is followed so as to have an open and participative mechanism for evaluation. The examination reforms in the institute are not merely a technique to improve the evaluation system but also aim at improving the education process. The main objectives of evaluation procedures are that the system of evaluation should be adequate and comprehensive so as to measure different types of skills. The system should provide a feedback to the students regarding their strengths and weaknesses and to the teachers as to how far they are able to benefit the students and to modify the approach and teaching methods. Also to evaluate the performance of a student by a method, that will be free from subjectivity and be accurate as far as possible.

Context:

Transparency in evaluation process is provided so as to provide quality education to students, to impart values and to monitor the progress of the students. The teaching, learning and evaluation are integrated components of education. The evaluation system can also serve as an aid in the process of learning. The evaluation process should include continuous internal evaluation, the conduct of examination, the evaluation of answer scripts and indicating the performance by grading.

Practice:

The evaluation system, as adopted by the Institute, has two components i.e. The Continuous Internal Evaluation and The End Semester Examination. The Continuous Internal Evaluation of programme includes components such as Open Book Test, Quizzes, Tests, Assignments, Seminars, Workshops, Mini Projects, Lab Exercises, Practical's etc. The ratio of weightage is 40% in

Continuous Internal Evaluation and 60% in End Semester Examination for Under Graduate and Post Graduate Programmes.

The answer scripts are given back to the students after evaluation for their information, providing sufficient transparency and accountability. This enables the student to have access to the evaluated answer scripts and apply for grievance if any. The grievances are solved by the concerned teacher before the marks are forwarded to the examination section. This exercise ensures providing a feedback to the students on the mistakes committed, providing an opportunity to learn the subject more accurately and adequately and transparency in the evaluation system.

Evidence of Success:

The examination reforms are found to have fitted in well, as an aid to maximize learning by the students and also as a measure of the students' mastery over the subject. It has been widely understood by the teachers and found to be rewarding to the students. Corrected answer scripts of tests and end semester examinations are returned to students and discussed in classes and this has improved the rapport between teachers and students. Such a transparency facilitates effective teacher-student interaction. Also it facilitates fast declaration of the results.