

SHRI RAMDEOBABA COLLEGE OF ENGINEERING AND MANAGEMENT, NAGPUR-440013

(An Autonomous College affiliated to Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur)

NAAC Accredited with Grade A

www.rk nec.edu

Internal Quality Assurance Cell (IQAC)

Annual Quality Assurance Report

(AQAR 2015-16)



Submitted to

National Assessment and Accreditation Council

Bangalore – 560072

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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*)

2015 - 2016

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, Gittikhadan

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@rk nec.edu

1.3 NAAC Track ID (For ex. MHCOGN 18879)

MHCOGN 16762

OR

1.4 NAAC Executive Committee No. & Date:

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

(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)*

1.5 Website address:

www.rk nec.edu

Web-link of the AQAR:

<http://www.rk nec.edu/AQAR2015-16.pdf>

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:

DD/MM/YYYY

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 _____ (DD/MM/YYYY)
- iii. AQAR _____ (DD/MM/YYYY)
- 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 (Phys Edu)
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

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 type="checkbox"/>
UGC-Innovative PG programmes	<input type="checkbox"/>	Any other (<i>Specify</i>)	<input type="checkbox"/>
UGC-COP Programmes	<input type="checkbox"/>		

2. IQAC Composition and Activities

2.1 No. of Teachers	<input type="text" value="06"/>
2.2 No. of Administrative/Technical staff	<input type="text" value="01"/>
2.3 No. of students	<input type="text" value="01"/>
2.4 No. of Management representatives	<input type="text" value="01"/>
2.5 No. of Alumni	<input type="text" value="01"/>
2.6 No. of any other stakeholder and community representatives	<input type="text" value="02"/>
2.7 No. of Employers/ Industrialists	<input type="text" value="01"/>
2.8 No. of other External Experts	<input type="text" value="00"/>
2.9 Total No. of members	<input type="text" value="12"/>
2.10 No. of IQAC meetings held	<input type="text" value="04"/>

2.11 No. of meetings with various stakeholders:	No.	<input type="text" value="40"/>	Faculty	<input type="text" value="33"/>
	Non-Teaching Staff	<input type="text" value="01"/>	Students	<input type="text"/>
	Alumni	<input type="text" value="06"/>	Others	<input type="text"/>

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

Computer Science and Engineering	<p>National Conference on “Recent Trends in Data Science and Big Data Networking”</p> <p>Short Term Certificate Course on “Advance Computer Programming”</p> <p>Workshop on</p> <ul style="list-style-type: none"> • Web Development • Android Programming • Networking and Emulabs • Business Intelligence using Tableau • Salesforce Technology <p>Guest lecture on</p> <ul style="list-style-type: none"> • Image Transforms • Machine Learning • Interpersonal Skill Development • Local Search and Optimization • Microservice architecture for Distributed Systems • Big Data Analytics and Map Reduce applications
Civil Engineering	<p>National Conference on “Development in Civil Engineering & Technology for Smart Cities (DCESC 2016)”</p> <p>Two days Program on “Know your Branch and Plan your career”</p> <p>National level workshop “NEEV 2016”</p> <p>Guest Lecture on</p> <ul style="list-style-type: none"> • GIS, GPS & Remote sensing • Journey through concrete jungle
Electrical Engineering	<p>One week STTP on “MICROCONTROLLER dsPIC 33EP256MC202 & its Applications in Engineering”</p>

	<p>Guest Lecture on</p> <ul style="list-style-type: none"> • AVR Microcontroller Programming • Concepts of Electrical System and Computers • AUTOCAD Electrical • PLC & its Application
<p>Electronics Engineering</p>	<p>One week STTP on</p> <p>“Measurement Practices in Instrumentation System (MPIS)”</p> <p>Technical Talk on</p> <p>“MEMS based sensors used in Medical Treatment (ENDO-Tracheal Tube Treatment)”</p> <p>Technical Talk on</p> <p>“Microwave Circuit Packaging fundamentals”</p> <p>Speaker: Dr. Michael Heimlich, Macquarie University, Sydney , Australia</p> <p>One day training Program on Labview</p> <p>Workshop on</p> <ul style="list-style-type: none"> • VLSI circuit Simulation using ADS tool • Digital Signal Processing using System Generator • Introduction to TCAD Simulation • Labview • EDA
<p>Electronics and Communication Engineering</p>	<p>ISTE approved self financed Short Term Training Program on</p> <p>“FPGA Based Digital Design with Application to SDR in Cognitive Environment” in collaboration with Amitec Electronics Ltd. New Delhi.</p> <p>3 day workshop on</p> <p>“Communication Systems Development using Arduino Board”</p> <p>2 day workshop on</p> <p>“GNU Radio in Cognitive Environment”</p>

	<p>Workshop on</p> <p>“Spoken tutorial workshop on python SQL-Java C & C++”</p> <p>Guest lecture on</p> <ul style="list-style-type: none"> • Wavelet based Image Processing Applications • Recent Trends in Communication Technology • Java • C/C++
Electronics Design Technology	<p>Short Term Training Program on</p> <p>“Embedded System Design with Virtual Simulation Environment”</p> <p>Workshop on</p> <ul style="list-style-type: none"> • Embedded System Design and Simulation • Basic Electronics • Testing & Troubleshooting of circuits <p>Guest Lecture on</p> <ul style="list-style-type: none"> • Digital System Design and Verification • Basics of Neural Network and Fuzzy Logic • Digital Electronics and its implementation • Energy conservation and Renewable energy sources • Induction Heating
Information Technology	<p>ISTE approved, One week Short Term Training Program on “Virtualization and Cloud Computing”</p> <p>One Week Faculty Enablement Program on</p> <p>“Software Testing”</p> <p>Guest Lecture on</p> <ul style="list-style-type: none"> • Current Trends in IT Industry • Basics of Dynamic Memory Allocation • Pointers in C Language • Logic Development
Industrial Engineering	<p>Guest Lecture on</p> <ul style="list-style-type: none"> • Branch Orientation Program – Drishti-an INDUS way • Accounting Standards and Banking Regulation • Application of Industrial Engineering Techniques in Plant Management • Personality Improvement and Soft Skill Enhancement <p>Lecture Series</p>

	<ul style="list-style-type: none"> • Lecture organized by OASIS- EDC Cell on title “To Achieve Your Dreams, Remember A to Z Life’s Instructions” • Opportunities for Higher Studies • Moulding & Casting Process • Modern Manufacturing Techniques • Novel Approach on Professional Problem Solving in relevance to energy conservation
<p>Mechanical Engineering</p>	<p>Guest Lecture on</p> <ul style="list-style-type: none"> • Finite Element Method and its applications to Engineering Systems • Modeling of Joints and its dynamics • Structural Modeling in Hyper mesh • Application of FEA in fluid flow & in combustion • Finite element modeling of Turbine blade and its vibration Analysis • Applications of Finite Element Analysis to Dental Structure and other Biological systems • Entrepreneurship Awareness and Motivation • Acoustic in HVAC • CNC Programming and Tool Design • Robotics • Power Plant familiarization <p>Workshop on “Automobile”</p>

2.14 Significant Activities and contributions made by IQAC

- Institute ranked 86th amongst all Engineering Colleges of India as per National Institutional Ranking Framework (NIRF), MHRD, Government of India.
- Selected as top College in Maharashtra for Implementation of Scheme of Technology Information Forecasting and Assessment Council (TIFAC) by Rajiv Gandhi Science and Technology Commission (RGSTC), Government of Maharashtra
- Institute selected as Knowledge Management Partner Institution (KMPI) for Consultancy Development Centre (CDC), DSIR (Dept of Scientific & Industrial Research) and Govt. of India under the programme “Building Capacities for Consultancy Development and Knowledge management with partner Institution”
- Visvesvaraya Ph.D. Scheme of Ministry of Communication and IT, Department of Electronics and Information Technology Govt. of India is implemented.
- One International conference by Computer Science and Engineering Department and one National conference by Civil Engineering Department conducted.
- Internal and External Academic and Administrative Audit conducted.
- Internal Audit of Autonomy conducted.
- Four UG Departments applied for Accreditation.
- Encouraged R&D and Consultancy activities.
- Motivated faculty in writing Research Proposals.
- Encouraging faculty to apply for Patents.
- Management supports for Research Projects and encourages for research collaborations.
- Encouraged III Cell activities.
- Completion of Library renovation work.
- Introduction of new laboratories in various Departments.
- New Controller of Examination Office constructed. Sufficient space available to work.
- New spot valuation centre constructed.

- Encouraged T&P for placement of students in core sector and with good pay packages.
- 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.
- Up-gradation of Lab Equipments to meet with the advanced technology across the Departments.
- Orientation programme conducted for First year students.
- All Academic and Creative Clubs are functionally active across all branches.
- Encouragement is given to Students to participate in different events like Sports / NSS activities.
- Value Addition Programmes / career oriented technical training programmes for students to improve their technical acquaintance.
- Encouraging Students for Industrial visits to understand and to gain the knowledge of new concepts.
- Skill Development programmes are conducted.

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
Internal and External Academic and Administrative Audit	Internal and External Academic and Administrative Audit conducted. External Audit conducted from 26/02/2016 to 19/03/2016 Department wise. Department wise subject experts performed the audit and verified the existing processes and suggested the changes if required.

Conduction of International / National Conferences	Computer Science and Engineering Department conducted one National conference on 18 th and 19 th December, 2015 Civil Engineering Department conducted one National conference on 19 th and 20 th February, 2016 Conferences provide the researches a common platform to discuss and interact.
Introduction of New laboratories	New Laboratories were introduced in various Departments
Preparation of vision document of institute	Draft copy of the vision document of the institute is prepared.
Completion of Library renovation work	Library renovation work completed. More reading space is available for the students.
Academic and Examination reforms	Proposed Choice Based Credit System (CBCS) for Post Graduate and Under Graduate Programme. CBCS provides the opportunity to the students to take courses of their choice, learn at their own pace, undergo additional courses, acquire more than the required credits and adopt an interdisciplinary approach to learning. Proposed Decentralization of Post examination work for Post Graduate Departments.
Addition of one smart classroom	One smart classroom in MBA Department is introduced.
Three Post Graduate and Four Under Graduate Programmes to apply for Accreditation	Four Under Graduate Programmes applied for Accreditation. Accreditation committee visit for Three Post Graduate Programmes in

	odd session 2016-17.
To update ISO system to the requirement of NAAC and NBA	Preparation of new ISO formats as per the requirement of NAAC and NBA initiated.
Submitting research proposals to various funding agencies	Faculty is made aware of different funding agencies and motivated to communicate research proposals.
Increase Industry Institute Interaction activities	RCOEM RGSTC-TIFAC-MSME Internship Scheme for UG students implemented. Students work in coordination and requirement of industry having a good industry exposure.
More placement of students in core sector	Students were motivated and prepared to seek job offers in core sector. Career guidance programs are conducted.
Construction of Controller of Examination Office	Construction of Controller of Examination Office completed.
Construction of new spot valuation centre	Construction of new spot valuation centre completed.

**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	08		08	
PG	10		10	
UG	09		09	
PG Diploma				
Advanced Diploma				
Diploma				
Certificate				
Others				
Total	27		27	

Interdisciplinary				
Innovative				

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

(ii) Pattern of programmes:

Pattern	Number of programmes
Semester	✓
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.

- Introduction of Credit Transfer Scheme with Indian Institutions
- Choice Based Credit System for Post Graduate Programmes from session 2016-17
- Decentralization of Post Exam work for Post Graduate Examinations
- Introduction of Industry based elective courses
- Syllabi of individual courses are updated as per the needs identified by stakeholders

**** 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
215	145	49	20	01

2.2 No. of permanent faculty with Ph.D.

74

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
31	---	04	---	01	---	---	---	36	---

2.4 No. of Guest and Visiting faculty and Temporary faculty

Guest: Nil	Visiting: 06	Temporary/ Adhoc: 71
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2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended	82	30	---
Presented papers	91	41	---
Resource Persons	03	06	19

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

- Encouraging the interdisciplinary knowledge through introduction of Open Electives.
- Demonstration and use of Open source tools in Laboratories.
- Use of PowerPoint and multimedia tools.
- Group Assignments and Challenging Assignments to students.
- Study of Research Papers as Group Case Study.
- Encouraging the use of library by the students by adopting appropriate means in teaching-learning and evaluation process.
- Tutorials designed to develop strong foundation and practices.
- NPTEL lectures made available.
- Mini Projects, Quiz etc.
- Conducting Technical Workshops and guest lectures.
- Faculty and students take part in various skill development/training programs organized by Industry and Institutes.
- Implementation of Mentoring and Grievance handling scheme for students.
- Technical, Analytical skill development, GD / PI sessions conducted for Final year students as a part of pre placement activity.
- Inclusion of new practical's in curriculum.
- Preparation of object driven teaching plan.
- Teaching to junior students by senior students.
- Student centric learning which focuses on skills and practices that enable lifelong learning and independent problem solving.
- Up-gradation of faculty competencies through strong support for deputing faculty for training programmes organized by industry and institutes of repute.
- Student mentor programme at Department Level.
- Departmental faculty has developed Unique "SGPA Planner" which helps students to plan studies to achieve the target CGPA at given level.

2.7 Total No. of actual teaching days

182

during this academic year

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

As a part of continuous evaluation Open Book Examination, Online Multiple Choice Questions, Quizzes and Surprise Tests are conducted by few faculty members.

Answer books of all Internal and End Semester Examination are shown to students after valuation for grievance redressal, if any, which are addressed by proper mechanism in-place at departmental level.

2.9 No. of faculty members involved in curriculum restructuring/revision/syllabus development

292 - All faculty members

as member of Board of Study/Faculty/Curriculum Development workshop

2.10 Average percentage of attendance of students

82%

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	140	07	30	56	33	13	97.14 %
Civil Engineering	84	08	25	28	17	04	88.09%
Electrical Engineering	77	07	22	24	17	05	92.20%
Electronics Engineering	226	08	56	80	45	07	85.00%
Electronics and Communication Engineering	138	-	36	48	37	10	96.00%
Electronics Design Technology	39	01	15	08	12	-	92.36%
Information Technology	75	02	19	31	13	01	88.00%
Industrial Engineering	74	05	22	33	13	01	95.94%
Mechanical Engineering	75	02	10	32	22	02	90.67%

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 & Engineering)	24	00	09	12	01	91.66%
M. Tech. (Heat Power Engineering)	24	00	07	13	04	96.00%
M. Tech. (Industrial Engg.)	17	00	05	10	02	100%
M. Tech. (Power Electronics & Power System)	18	00	02	10	03	83.33%
M. Tech. (VLSI Design)	23	-	14	06	01	91.00%
M. Tech. (Structural Engineering)	17	00	03	14	01	94.44%
M.Tech. (Geotechnical Engineering)	07	-	01	05	-	86.00%
MBA	96	12	37	39	06	97.92%
MCA	130	39	53	26	09	89.04%

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

IQAC suggests

- To organize guest lecturers/seminars/workshops to cover the topics beyond syllabus.
- Arrange training programs for faculty and students.
- Use of ICT tools in syllabus coverage.
- Use of pedagogical techniques in teaching-learning.
- Development of curriculum as per the need of industry
- Analyzing the student's feedback in all the subjects and laboratories.
- Pre-placement activities to be conducted.
- To use Innovative Teaching learning methodologies.
- 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.
- Every Department has its Programme Educational 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. 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 actions are initiated.
- Evaluates the Teaching & Learning processes based on the assessment and attainment of the Programme Outcomes of every Department.

- Evaluates based on the student feedback and appropriate measures are initiated.

2.13 Initiatives undertaken towards faculty development

Faculty / Staff Development Programmes	Number of faculty benefitted
Refresher courses	05
UGC – Faculty Improvement Programme	18
HRD programmes	04
Orientation programmes	15
Faculty exchange programme	---
Staff training conducted by the university	09
Staff training conducted by other institutions	48
Summer / Winter schools, Workshops, etc.	42
Others	58

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	69	---	---	25
Technical Staff	48	---	---	35

Criterion – III

3. Research, Consultancy and Extension

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

Faculty members are encouraged to:

- Participate in Seminars, Workshops conducted by Premier institutes / industries / R&D organizations
- Organize conferences and seminars, undertake research activities and submit research proposals to AICTE, UGC, DST, SERB
- Organize guest lecture's of experts from industries and other premier institutes within and outside India
- Contingency Grant Imprest is made available to the Departments
- Departmental R & D Budget is provided for every academic session
- Incentives for Publications / Patents
- Faculty members pursuing research are entitled for:
 - Three months full paid leave for Ph.D.
 - Six months Half pay only for IITs
 - Reimbursement of Ph.D. fees for 4Years
- M. Tech. and B.E. students are encouraged to pursue projects based on research outcomes published in referred journals and conferences.
- 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.
- Motivating faculty members to pursue Ph.D.
- College is also associated with MSMEs in developing solution to real world 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.

3.2 Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number	01 [Grant in aid under Industry Institute Partnership Cell (IIPC)]	03 1. Visvesvaraya Ph. D Scheme: 81.348Lakhs, 2.Development of Quantum cutting near infrared emitting phosphors for crystalline si solar cell:46.099Lakhs, 3.RPS: Determination of Tool condition in Boring machine using Acoustic Emissions 18.766Lakhs]	01 (Visvesvaraya Ph. D. Scheme)	01 [FIST LEVEL 0]
Outlay in Rs. Lakhs	14.50 Lakhs	146.213 Lakhs	81.343 Lakhs	166.5 Lakhs

3.3 Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number	---	---	01	---

Outlay in Rs. Lakhs	---	---	4.43 Lakhs	---
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3.4 Details on research publications

	International	National	Others
Peer Review Journals	115	09	---
Non-Peer Review Journals	17	---	---
e-Journals	44	---	---
Conference proceedings	77	24	---

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	Received
Major project	2015-16	Financial Support for Conducting 10-days National Workshop on "Data Science and Big Data Analytics" Big Data Initiatives (BDI) Division, DST, GOI Sanction Order No. BDID/01/22/2014-Workshops	6,00,000/-	4,00,000/-
Major Project	2015-16	Recent Trends in data science and Big data Networking SERB DST Sanction Order No. SB/SS/340/2015-16 dated 28th Aug 2016	75,000/-	75,000/-

Minor Projects	---	---	---	---
Interdisciplinary Projects	---	---	---	---
Industry sponsored	2015-16	EC : Amitek Electronics, New Delhi		
	August – September, 2015	MBA: Mahindra and Mahindra	40,000/-	40,000/-
	2015-16	Minar Hydraulics (Mechanical Engineering)		
	2015-16	EN: Proximon Control Pvt. Ltd, Thane, Mumbai	---	Technical guidance & Support + Hardware Components
		EN: Techwalnut Pvt. Ltd., Nagpur	---	
		EN: Waghmare Food Products Ltd Nagpur	---	
		EN: Sterling Electricals Pvt. Ltd, Nagpur	---	Technical guidance & Support + Hardware Components
	Two Months	EDT: RGSCT-TIFAC-MSME Internship	Stipend of Rs 20,000/-	20,000/-
	Two Months	IND: RGSCT-TIFAC-MSME Internship	Stipend of Rs 20,000/-	20,000/-
	Two Months	CIVIL: RGSCT-TIFAC-MSME Internship	Stipend of Rs 20,000/-	20,000/-
	Two Months	CSE: RGSCT-TIFAC-MSME Internship	Stipend of Rs 20,000/-	20,000/-
Projects sponsored by the University/ College				
Students research projects (other than compulsory by the University)	Six months PG Internship (Electronics Engineering)	1. IIIT Jabalpur 2. Regional Remote Sensing Center, Amravati Rd. Nagpur 3. HCL Chennai	--	Technical Support

Total			7,95,000/-	5,95,000/-
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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	1	2	Nil	Nil	Nil
Sponsoring agencies	---	DST	---	---	---

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	05
	Granted	---
International	Applied	---
	Granted	---
Commercialised	Applied	---
	Granted	---

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
11	02	08	01	02	01	Nil

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="135"/>	State level	<input type="text" value="04"/>
National level	<input type="text"/>	International level	<input type="text"/>

3.22 No. of students participated in NCC events:

University level	<input type="text" value="06"/>	State level	<input type="text"/>
National level	<input type="text" value="01"/>	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

- The NSS unit of RCOEM organized Prerna 8.0, 4 days long inter collegiate social event under which - free health check up camp and Cleanliness drive for Ajangaon villagers, paper presentation on social issues, orator of the year, Brain teaser, Mega Blood Donation Camp

were organised , NSS unit took a step “Junoon” to showcase the talent of specially abled children. The word “Junoon” itself means passion and this passion move men beyond their shortcomings and failures. This was what has been portrait in the campus of RCOEM. A simultaneous effort was made on to uncover the creative side of students by the Reflections, which was a Poster Making Competition on the theme of ‘Humanity’.

- Stationary Distribution was done by the college NSS unit at Nav-yuvak pathshala, Nagpur. The stationary was distributed to 300 students.
- The unit organized free health checkup camp and Blood donation camps for both teachers and students. Also the unit helps faculty and their family members to get blood in uneven situations as an when required.
- NSS group visited the Shraddhanand Anathalaya, Nagpur. 52 volunteers visited the place. We were pleasantly surprised to encounter such happy and lively kids who we could get along easily. These kids also showcased an exhibition of handmade diyas and the decorative items made by them.
- To celebrate the World Deaf and Dumb day NSS unit Visited to Saoner Deaf and Dumb School and distributed food grains and other eatables to the students. The amazing thing about the visit was that none of the volunteers had pity on the students, instead they feel proud for their positive attitude towards life. They feel honoured to be a part of their lives although just for some hours.
- Unit donated grains to the PREM DAAN (an old age home) they interact with the inmates and also to break the monotony of the lives the volunteers had organized different activities like singing, dancing etc. The response of the old persons there was also good which make the volunteers to realize that old age has its pleasure, which though different, are not less than the pleasure of youth. A sign of satisfaction and happiness can be observed easily on the face of both i.e. the volunteers and the old persons in the old age home.
- With an attempt to explore the knowledge and aware the college students, the NSS Unit along with the RTO Nagpur, had organized a lecture on ‘traffic awareness and first-aid’ for the first year students. The event was marked with the presence eminent guests Dr. D.T. Pasar (R.T.O), Subodh Deshpande (Assistant RTO), Jayant More (IMV) and Pardeeihagaonkar (system administrator & PRO). The event was organized with the essence to create an awareness among the students about the traffic and safety which is very necessary in the present scenario.
- Unit also organized an old garments distribution drive. In this drive the clothes were collected from the students and the staff members of the college and then further distributed among the poor and needy people in different areas of city. The event was organized on the auspicious

day of Eid. A sign of satisfaction can easily be observed on the people's face there and also among the NSS volunteers which makes the event successful.

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	11.02 Acre		College	11.02 Acre
Class rooms	58		College	56
Laboratories	66		College	74
Seminar Halls	11		College	08
No. of important equipments purchased (\geq 1-0 lakh) during the current year.	136	15	College	151
Value of the equipment purchased during the year (Rs. in Lakhs)	2263.09 Lakh	197.56 Lakh	College	2460.65 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 Software for Admission process
- Use of GEMS for Payroll

Computerization and access to library facilities are as follows:

- Use of Library Software GEMS- 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 and 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 (Rs.)	No.	Value (Rs.)	No.	Value (Rs.)
Text Books	79041	2,11,37,847	2210	11,52,167	81251	2,22,90,014
Reference Books	1372	19,09,515	32	14,771	1369	19,24,286
e-Books	--	--	--	--	--	--
Journals	142	80,64,752	138	3,43,391	138	84,08,143
e-Journals	IEEE, ASME, ASCE, EBSCO	49,73,791	IEEE, ASME, ASCE, EBSCO	28,30,797	IEEE, ASME, ASCE, EBSCO	78,04,588
Digital Database	DELNET		DELNET		DELNET	
CD & Video	1294	(Cost included in Book Cost)	139	(Cost included in Book Cost)	1433	(Cost included in Book Cost)
Others (specify)						

4.4 Technology up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Depart-ments	Others
Existing	1564	Every Department has Computer	215 Mbps	Every Department has Browsing	93	160	1288	

Added	300	Labs	20	Centres	00	20	280	
			Mbps					
Total	1864		195		93	180	1568	
			Mbps					

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.

4.6 Amount spent on maintenance in lakhs:

i) ICT	218.20977 Lakhs
ii) Campus Infrastructure and facilities	413.43799 Lakhs
iii) Equipments	49.84078 Lakhs
iv) Others	102.08611 Lakhs
Total :	783.87465 Lakhs

Criterion – V

5. Student Support and Progression

5.1 Contribution of IQAC in enhancing awareness about Student Support Services

- Student representative in IQAC has enhanced the awareness about quality amongst them.
- Imparting information on various support services during parents meet at the Departments.
- Display 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.
- Grievance redressal cell is active.
- IGNITE: A program to bring alumni and students together, to prompt 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.
- Every department has student society through which senior students conduct programs for junior students.
- SMS are also used to inform students and parents.

5.2 Efforts made by the institution for tracking the progression

- Monitoring and continuous evaluation of performance.
- 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 registered 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.
- Yoga sessions are conducted in the college for physical wellbeing of students.

5.3 (a) Total Number of students

UG	PG	Ph. D.	Others
3802	921	07	

(b) No. of students outside the state

386

(c) No. of international students

--

No	%
2847	60%

Men

No	%
1876	40%

Women

Last Year						This Year					
General	SC	ST	OBC	Physically Challenged	Total	General	SC	ST	OBC	Physically Challenged	Total
3967	111	46	672	05	4801	3887	109	56	662	09	4723

Demand ratio

Dropout %

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 organising seminars by officers from the Air force, Navy, Army.

No. of students beneficiaries

1000+

5.5 No. of students qualified in these examinations

NET	SET/SLET	GATE	CAT
IAS/IPS etc <input type="text"/>	State PSC <input type="text"/>	UPSC <input type="text"/>	Others <input type="text" value="GRE/TOFEL: 15"/>

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.
- Teacher Guardian Scheme at Departmental level.
- Counselling at central 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.
- DAPAC (Departmental Academic Performance Advisory Committee) also guides academically weak students for performance improvement.

No. of students benefitted

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
59	876	723	---

5.8 Details of gender sensitization programmes

<p>Activities conducted under Women Empowerment Cell:</p> <ul style="list-style-type: none"> • Chennai Relief Task on 23/12/2015 • Photography Competition on 28/11/2015 • Nirmalya Collection on 17/09/2015 • Cycling Day on 09/10/2015 • Ganpati Idol Making on 09/1/2016 • Financial Planning Workshop on 11/2/2016 <p>Anti-sexual Harassment Committee is functioning effectively.</p>
--

5.9 Students Activities

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

State/ University level National level International level

No. of students participated in cultural events

State/ University level National level International level

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

Sports: State/ University level	Team Games:	Medals
	03 Winner Trophies	01 silver
	03 Third Place Trophies	(4X100 meters Relay girls)
	04 Runners- Up Trophy	

National level International level

Cultural: State/ University level National level International level

5.10 Scholarships and Financial Support

	Number of students	Amount
Financial support from institution	Sports: 144	Match Allowance 100/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

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.

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. These modules are flexible, can be integrated and also configured according to individual needs.

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 is 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.
- Open Electives: To bridge the gap between institute and industry requirements.

- Industry Projects: The students for industry project are selected on the basis of aptitude test conducted by Industries. The problem definitions for project in V, VI, 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. The final project demonstration is carried out in the industry at Inter-collegiate level. This is witnessed by the all the external and internal guides of different institutes associated with the industry for carrying out Industry project.
- 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 / change in scheme are proposed at program level.

6.3.2 Teaching and Learning

- 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 etc are carried out under Teachers assessment.
- Students are motivated for the self study and for presentations on recent trends.
- Students are encouraged to take industry sponsored projects to solve industry problems
- Continuous evaluation of Major Projects by an internal assessment committee.

- 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 are 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.

6.3.3 Examination and Evaluation

- 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.
- Students submit examination forms online.
- The Paper Setter submits paper sets for the examination online through MIS.
- The moderation of question papers of End Semester Examination is also carried out on line through MIS.
- 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 Incharge will ensure the conduction of the end semester examination.
- Continuous evaluation in laboratories helps to enhance the practical knowledge through regular monitoring the progress.
- Projects are evaluated by a committee at the department level.
- Spot / Central Evaluation of answer books.
- Transparency in evaluation of answer books. Valued answer books shown to students. Grievance, if any, revaluation done.
- Result processing by software GEMS.
- Online result declaration.

6.3.4 Research and Development

- Faculty members pursuing research are entitled for :
 - Three months full paid leave for faculty pursuing Ph.D. at reputed institutes.
 - Reimbursement of Ph.D. fees.
 - Six months Half pay only for IITs
- Incentives for publications / patents.
- Faculties are supported financially to attend Conferences/Workshops/Symposiums/FDP's conducted outside the Institution.
- Visvesvaraya Ph. D. scheme for Electronics and IT (DeitY) Govt. of India.
- Allocation of a separate department budget for R&D activities.
- Progress seminars are scheduled on regular basis every semester for Post Graduate and Ph.D. students to assess the research progress.
- MoU with Industries and academic institutes.

6.3.5 Library, ICT and physical infrastructure / instrumentation

- Most heavily demanded books by the students were identified and the same was recommended by faculties for purchase.
- Refreshed the list of book titles under Book Bank Scheme.
- Conducted seminar for MBA department on usage of EBSCO journal on 20th January, 2015.
- Set up the Digital Library and reading space to accommodate more than 100 students at a time.
- Fully computerized and air-conditioned library.

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.

6.3.6 Human Resource Management

- Welfare Schemes for staff and faculty.
- Group insurance for Staff, faculty and Students.
- Recruitment of teaching and non teaching staff as per requirement.
- Orientation programmes for newly recruited faculty.
- Sponsoring the faculty for Ph.D.
- Incentives for research publications.

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 Workload and Staff: student ratio prescribed by the AICTE.
- Requirements submitted by the Head of the Department are scrutinized at the Principal's level.
- Requirement Submitted before the Board of management/Local Management Committee for approval and creation of posts.
- After deciding the number of staff viz. Professor, Associate Professor and Assistant Professor, proposal is being submitted to the authority for creation of post as per AICTE norms.
- After approval for creation of posts of 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 Online with required 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

- 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 and preparation of Report of Selection Committee (Minutes).
- Issue of the appointment order/s to selected candidate and collection of the consent letters.

6.3.8 Industry Interaction / Collaboration

- To involve industry professionals in curriculum design, delivery and assessment so as to make students industry ready.

Open elective syllabus are framed and delivered by Industries such as Global Logic India Pvt. Ltd., Persistent System Pvt. Ltd., InfoCepts Technologies Pvt. Ltd., Infosys in different Departments.

- To provide ample opportunities for industry exposure to students and faculty through industry visits, summer internship and industry projects
 - Industry Visits Arranged: 25
 - Students participated in various competitions such as E-yantra Robotics competition, IIT Mumbai, ROBOcon-16 – International robotic competition, Pune, ACREX 2016 held at Bombay Convention and Exhibition Centre, Goregaon East, Mumbai.
 - Students have undergone internship in IT companies Siemens Technology & Services, Pvt. Ltd, L & T Infotech, Capgemini, Novatech, ADCC, Kratin Software Solutions Pvt. Ltd, HCL infotech, NEERI, MOIL etc. Also students are doing internship under RGSTC-TIFAC–MSME Internship Scheme, supported by Rajiv Gandhi Science and Technology Commission (RGSTC), Government of Maharashtra and Technology Information Forecasting and Assessment Council (TIFAC), Department of Science & Technology, Government of India, for Providing Technical Support to the Micro Small and Medium Enterprises (MSMEs) by Leveraging the Capabilities of Students and faculty of engineering & technical institutions.

- To help industry professionals/students to upgrade their qualification, knowledge and skill through higher education, continuing education programme and training.

40 days Multi skill Development Training Program for Hindalco Industry's

6.3.9 Admission of Students

All Admissions at Shri. Ramdeobaba College of Engineering and Management are carried out purely on the basis of merit and in a transparent manner by way of counselling. Over the years the institute has gained immense popularity across the country due to its open and transparent admission process through open counselling.

6.4 Welfare schemes for

Teaching	Gratuity EPF Medical Leaves Mediclaime Insurance Scheme Group Insurance Scheme Staff Co-operative society
Non teaching	Gratuity Medical Leaves Mediclaime Insurance Scheme Group Insurance Scheme Staff Co-operative society

Students	Medical facilities Medclaim 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 Mentoring & Counseling, Career Guidance, Student Chapters First aid unit in every department / building.
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6.5 Total corpus fund generated

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	Academic Assessment and Audit (26 th Feb to 19 th March 2015)	Yes	Committee constituted by the Institution
Administrative	Yes	ISO	Yes	ISO

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.

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.

- Alumni have sponsored scholarship for five meritorious and economically weak students of RCOEM till completion of their graduation.
- Alumni Visits/Alumni Student Interactions are conducted.
- Alumni are invited as Chief Guest/Key Note Speaker to address and guide the students.
- Video interaction with the Alumni to guide students is also conducted.

6.12 Activities and support from the Parent – Teacher Association

- Parent meeting is held with HOD and other faculty members of the department twice in a year in which the performance of students is reviewed.
- In every parent meeting feedback from the parents oral and written is taken and analysed for further improvements.

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.

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

- The green cover of the campus is being enhanced and evaluated. Plantation has been carried out by the College in June 2016. REEF the environment club of the college is in the process of making the herbarium of the floral diversity of the College. This would help the college in making decisions about increasing this diversity so that there is enhancement in the avifaunal diversity too. The work is still in progress.
- 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.

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.

- GEMS software for attendance entry.
- GEMS software for admissions.
- On-line submission of examination form.
- On-line paper setting and Moderation.
- On-line declaration of results.
- MSME and CDS proposals implemented by institute.

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

- National Conferences/Seminars/Workshops etc. conducted.
- Internal and External Autonomy Audit conducted.
- Four Under Graduate Departments and Three Post Graduate Departments applied for NBA accreditation.
- RCOEM RGSTC-TIFAC-MSME Internship Scheme for Under Graduate students implemented.
- MIS Module implemented for Result Processing.
- New Laboratories were introduced in various Departments.
- Library renovation work completed.
- Proposed Choice Based Credit System (CBCS) for Post Graduate and Under Graduate Programme.
- Proposed Decentralization of Post Examination work for Post Graduate Departments.
- One smart classroom in MBA Department constructed.
- Construction of Controller of Examination Office completed.
- Construction of new spot valuation centre completed

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 the environment club of RCEOM conducted various activities from July 2015 to June 2016 to increase the awareness of its own members (students of RCOEM) and the society in general. The following activities were conducted:

- REEF conducted a research competition “How Green is your Campus?” in which six schools participated. The schools had to form an environment club and undertake tasks in three segments of the competition, namely - “Know Your Campus”, “Tiger’s Tale”, and “The Green Idea”. They had to then present the findings of their research/task on 29th July on RCOEM campus.

A

- Nature trails on 18th and 19th July in association with BNHS (Bombay Natural History Society) at Raj Bhavan for school children

- 30th July a flex was put up in the college campus on which students as well as

- REEFians, concerned about this danger, removed the manjha from the premises of Rajbhavan with the help of the authorities in order to maintain the green paradise for birds. This activity was conducted on 31st January and 2nd February 2016 where REEFians went to Rajbhavan according to their slots and removed manjha from the trees along the nature trail and in the deep woods.
- REEFians on 19th March 2016 observed Earth Hour in the campus and conducted various activities throughout the day. It included:
 - ✓ ‘Jugaad from Kabaad’: They collected ‘use and throw pens’ from the campus and made some creative and decorative products like pen stands, lamps, etc.
 - ✓ A workshop was also conducted on “recycling of PET bottles” by REEFian Vishakha Jaiswal in which students and teachers were taught how to reuse PET bottles to make a vertical garden. These were presented to the Principal of RCOEM as well as hung in the main garden of the college.
 - ✓ A flex was put up in the college campus depicting the “red activities” which pose a threat to earth and its resource on one side and on the other side “green activities” which promote sustainable use of earth’s resource. Based on these activities students and teachers were asked to judge themselves how much of their day-to-day activities are “red” or “green”. Feedback from the teachers was also taken in a recycled notebook made out of discarded blank papers.
- Along with this, REEFians also collaborated with major food joints of Nagpur

- REEF conducted education trips to Pench tiger reserve and Satpura tiger reserve for its own members
- As part of the Wildlife Week from 2nd to 7th October, REEF conducted an open air exhibition on campus on Avifauna of RCOEM campus
- REEFians participated in a half-day Ambazari Bird Race which was organized by the Maharashtra Forest Department on account of Wildlife Week. They recorded 96 bird species and were declared as winners of the bird race.
- To carry out a scientific study the number of winter migratory birds migrating to Vidarbha region, the Forest Department, Bombay Natural History Society (BNHS) and Birds of Vidarbha had jointly conducted the Waterfowl Census in two phases - 20th of December 2015 and 10th of January 2016. REEFians participated in both the phases.
- REEFians attended the 27th Vidarbha Pakshi Mitra Sammelan organized from 20th to 21st December 2015 in Washim, Maharashtra.
- On 30th January 2016, REEFians attended a seminar in India Peace Center, Nagpur where the key note speakers were Bikram Grewal and Perna Bindra who spoke on bird and wildlife conservation
- Two teams of REEF participated in a Bird Race organized by The Hong Kong and Shanghai Banking Corporation Limited (HSBC) and Yuhina Eco-Media along with Wild-CER (Society for Wildlife Conservation, Education and Research) on 7th February 2016. REEF team won the race.
- REEFians participated in the Great Backward Bird Count an initiative by eBird on

- Car Free day was observed on 22nd September 2015 where REEFians persuade the faculty members of RCOEM to not use their cars for a day.
- REEF members have been imparting free education to underprivileged kids at Balgram, Nagpur from April 2012. Apart from covering the syllabus and preparing them for their examinations REEFians take care of fundamentals too. They are taught to read, write, and understand English from scratch irrespective of which grade they belong to. REEF's long term objective with the Balgram students is also to sensitize them towards environment. Thus, students of Balgram were involved in REEF activities such as the Manjha Awareness Campaign where they were a part of the street play
- REEFians Aaditya Somani, Vishakha Jaiswal and Radhika Kale, Final Year students of Electronics Engineering Department under the guidance of Dr. Deepshikha Mehra collaborated and completed their Final Year project with their project guide from EN department Mr Mayank Thacker and team member Shatabdi Roy on Wireless Camera Trap. Contrary to conventional camera trap, the project introduced wireless transmission of signal.

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. Plan of institution for next year

- Internal and External Academic and Administrative Audit.
- Internal and External Autonomy Audit.
- Apply for Extension of Autonomy.
- Conduction of Environmental Audit.
- Choice Based Credit System (CBCS) for Post Graduate and Under Graduate Programmes.
- Decentralization of Post Examination work for Post Graduate Programmes.
- Preparation of Perspective plan and Road map for all the Departments of the Institute.
- Formation of Academic Advisory Committee.
- Accreditation of Three Post Graduate Programmes.
- Accreditation of Four Under Graduate Programmes.
- Conduction of International / National Conferences / STTP / Workshops / Seminars etc.

- Establishment of RCOEM TBI (Technology Business Incubator) Foundation Proposal to be submitted.
- Proposal to be submitted for FIST LEVEL-0 to Department of Science and Technology.
- Proposal to be submitted to National initiative through MHRD under Rashtriya Uchchattara Shiksha Abhiyan (RUSA) in realizing ICT enabled Smart Universities.
- Motivating faculty members to pursue Ph.D.
- Implementation of Visvesvaraya Ph.D. scheme of DeitY, Government of India.
- Ist Graduation Ceremony to be organized.
- Submitting Research proposals to various funding Agencies.
- Increase Industry Institute Interaction Activities.
- Improve the Internship for Post Graduate and Under Graduate students.
- To mount LCD projectors in all the class rooms in all the Departments.

- To organize National level paper presentations and workshops for students.
- To submit proposal to NIRF ranking and other surveys.
- Memorandum of Understanding (MoU) between various Industries and Academic institutes.

Name: Dr. (Mrs.) Meghana A. Hasamnis



Signature of the Coordinator, IQAC

Name: Dr. Rajesh S. Pande



Signature of the 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 Calendar (Session 2015-2016)
Odd Semester

SHRI RAMDEOBABA COLLEGE OF ENGINEERING & MANAGEMENT, NAGPUR
Academic Calendar (2015-2016), MBA Semester III

Rev-0

Date of Release: 25/04/2015

TITLE	MBA Semester III
Display of Time Table	1 July, 2015
Session Begins	1 July, 2015
Classes Start	6 July, 2015
Declaration of mode of Teacher's assessment	8 July, 2015
Display of Time Table for Test I	3 August, 2015
Student Feedback -I	8 August, 2015
Test I (Two Tests of one hour each with a gap of minimum two hours)	10 to 13 August, 2015
Display of course wise list of academically weak students; Display of Time Table of extra classes (before/after normal class hours) for such students	20 August, 2015
SRC Activities	21,22,23 August 2015
Conduction of extra/ remedial classes for academically weak students	24 August to 5 September, 2015
Completion of Teacher's Assessment - I	5 September, 2015
Display of Time Table for Test II	7 September 2015
Display of course wise detention list for Test II considering attendance up to 3 rd September 2015	12 September 2015
Test II (Two Tests of one hour each with a gap of minimum two hours)	14,15,16 & 18 September, 2015
Completion of Teacher's assessment II	26 September, 2015
SRC Activities	25,26,27 September
Parents Teachers meet	3 October, 2015
Stakeholder meet/ Departmental Alumni Meet/ Employers Meet	10 or 17 October, 2015
Student Feedback - II	26 to 27 October, 2015
Last Teaching Day	27 October, 2015
Absentee Test I / II (Two Tests of one hour each with a gap of minimum two hours)	28 to 31 October, 2015
Display of Marks of Absentee Test	Within 3 working days from the date of the last theory examination
Finalization of Marks of Absentee test	Within 4 working days from the date of the last theory examination
Display of Provisional Detention List	29 October, 2015
Display and submission of final detention list to Dean Academics	31 October, 2015
Display and finalization of Continuous Assessment Marks and Display of Grades on the basis of Continuous Assessment Marks	31 October, 2015
Submission of Continuous Assessment Marks to office of COE	2 November, 2015
Annakoot	21 November, 2015
Diwali Vacation	9 to 14 November, 2015
Probable dates of End Semester Theory Examination	16 November to 16 December, 2015
Probable dates of display of marks of End Semester Examination	18 December, 2015
Probable dates of finalization and submission of marks to COE	19 December, 2015
Annual Alumni Meet	26 December 2015
Winter Vacation	21 December to 2 January 2016
Start of Next Semester	2 January, 2016
Probable date of declaration of results of End Semester Examination	9 January, 2016
Probable date of Makeup Examination	27 January to 13 February, 2016
Probable date of declaration of results of Makeup Examination	29 February, 2016

Note:1) Display & Finalization of marks for Test I/II/End Term Examination shall be done within six and eight working days from the date of the last theory examination respectively.

2) Display of Provisional Grades on the basis of performance in Tests shall be done within 8 working days from the date of the last theory examination

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

(Dr. Abhijeet Agashe)
Dean Academics

(Dr. R. S. Pande)
Principal

SHRI RAMDEOBABA COLLEGE OF ENGINEERING & MANAGEMENT, NAGPUR

Academic Calendar (2015-2016), B.E. Semester III/V/VII,

M.Tech. Semester III& Semester V (Geotechnical Engineering)/MCA III/V

Rev-0

Date of Release: 25/04/2015

	PARTICULAR
Display of Time Table	1 July, 2015
Session Begins	1 July, 2015
Classes Start	6 July, 2015
Declaration of mode of Teacher's assessment	8 July, 2015
Display of Time Table for Test I	3 August, 2015
Student Feedback -I	8 August, 2015
Test I (Two Tests of one hour each with a gap of minimum two hours)	10 to 12 August, 2015
Display of course wise list of academically weak students; Display of Time Table of extra classes (before/after normal class hours) for such students	20 August, 2015
SRC Activities	21,22,23 August 2015
Conduction of extra/ remedial classes for academically weak students	24 August to 5 September, 2015
Completion of Teacher's Assessment – I	5 September, 2015
Display of Time Table for Test II	7 September 2015
Display of course wise detention list for Test II considering attendance up to 8 th September 2015	12 September 2015
Test II (Two Tests of one hour each with a gap of minimum two hours)	14 to 16 September, 2015
Completion of Teacher's assessment II	26 September, 2015
SRC Activities	25,26,27 September
Parents Teachers meet	3 October, 2015
Stakeholder meet/ Departmental Alumni Meet/ Employers Meet	10 or 17 October, 2015
Student Feedback II	26 to 27 October, 2015
Last Teaching Day	27 October, 2015
Internal Practical Examination	May be conducted during normal time table
Absentee Test I / II (Two Tests of one hour each with a gap of minimum two hours)	28 to 30 October, 2015
Display of Marks of Absentee Test	Within 3 working days from the date of the last theory examination
Finalization of Marks of Absentee test	Within 4 working days from the date of the last theory examination
Display of Provisional Detention List	29 October, 2015
Display and submission of final detention list to Dean Academics	31 October, 2015
Display and finalization of Continuous Assessment Marks (Theory and Practical) and Display of Grades on the basis of Continuous Assessment Marks	31 October, 2015
Submission of Continuous Assessment Marks (Theory and Practical) to office of COE	2 November, 2015
Antrakool	21 November, 2015
Diwali Vacation	9 to 14 November, 2015
Probable dates of End Semester Theory Examination	16 November to 5 December, 2015
Probable dates of End Semester Practical Examination	Between 7 December to 12 December, 2015
Probable dates of display of marks of End Semester Examination	16 December, 2015
Probable dates of finalization and submission of marks to COE	18 December, 2015
Winter Vacation	21 December to 2 January 2016
Probable date of declaration of results of End Semester Examination	30 December, 2015
Start of Next Semester	2 January, 2016
Probable date of Makeup Examination (Theory & Practical)	27 January to 13 February, 2016
Probable date of declaration of results of Makeup Examination	29 February, 2016

Note: 1) Display & Finalization of marks for Test I/II/End Term Examination shall be done within six and eight working days from the date of the last theory examination respectively.

2) Display of Provisional Grades on the basis of performance in Tests shall be done within 8 working days from the date of the last theory examination

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

(Dr. Aniljeet Agashe)
Dean Academics

(Dr. R. S. Pande)
Principal

SHRI RAMDEOBABA COLLEGE OF ENGINEERING & MANAGEMENT, NAGPUR
Academic Calendar (2015-2016), MCA Semester I

Rev-0

Date of Release: 22/07/2015

Particular	Date
Display of Time Table	24 July, 2015
Session Begins	27 July, 2015
Classes Start	28 July, 2015
Declaration of mode of Teacher's assessment	31 July, 2015
Display of Time Table for Test I	22 August, 2015
Student Feedback - I	24-26 August, 2015
Test I (Two Tests of one hour each with a gap of minimum two hours)	27 to 29 August, 2015
Display of course wise list of academically weak students; Display of Time Table of extra classes (before/after normal class hours) for such students	12 September, 2015
Conduction of extra/ remedial classes for academically weak students	14 to 26 September, 2015
Completion of Teacher's Assessment - I	26 September, 2015
Display of Time Table for Test II	21 September 2015
Test II (Two Tests of one hour each with a gap of minimum two hours)	28 to 30 September, 2015
Completion of Teacher's assessment II	30 September, 2015
Parents Teachers meet	3 October, 2015
Stakeholder meet/ Departmental Alumni Meet/ Employers Meet	10 or 17 October, 2015
Display of Time Table for Test III	23 October 2015
Student Feedback - II	26 to 27 October, 2015
Last Teaching Day	27 October, 2015
Internal Practical Examination	May be conducted during normal time table
Test II (Two Tests of one hour each with a gap of minimum two hours)	28 to 30 October, 2015
Display and Finalization of Marks of Test III	Within 4 working days from the date of the last theory examination
Display of Provisional Detention List	29 October, 2015
Display and submission of final detention list to Dean Academics	31 October, 2015
Display and finalization of Continuous Assessment Marks (Theory and Practical) and Display of Grades on the basis of Continuous Assessment Marks	4 November, 2015
Submission of Continuous Assessment Marks (Theory and Practical) to office of COE	5 November, 2015
Diwali Vacation	9 to 14 November, 2015
Probable dates of End Semester Theory Examination	16 November to 5 December, 2015
Anakoot	21 November, 2015
Probable dates of End Semester Practical Examination	Between: 7 December to 12 December, 2015
Probable dates of display of marks of End Semester Examination	16 December, 2015
Probable dates of finalization and submission of marks to COE	18 December, 2015
Winter Vacation	21 December to 2 January 2016
Probable date of declaration of results of End Semester Examination	30 December, 2015
Start of Next Semester	4 January, 2016
Probable date of Makeup Examination (Theory & Practical)	27 January to 13 February, 2016
Probable date of declaration of results of Makeup Examination	29 February, 2016

Note: 1) Display & Finalization of marks for Test I/II/End Term Examination shall be done within six and eight working days from the date of the last theory examination respectively.

2) Display of Provisional Grades on the basis of performance in Tests shall be done within 8 working days from the date of the last theory examination

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(Dr. Abhijeet Agashe)
Dean Academics

(Dr. R.S. Pande)
Principal

SHRI RAMDEOBABA COLLEGE OF ENGINEERING & MANAGEMENT, NAGPUR
Academic Calendar (2015-2016), MBA Semester III/MAM Semester III/V

Rev-I

Date of Release: 22/07/2015

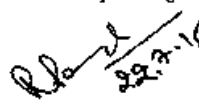
Particular	Date
Display of Time Table	1 July, 2015
Session Begins	1 July, 2015
Classes Start	6 July, 2015
Declaration of mode of Teacher's assessment	8 July, 2015
Display of Time Table for Test I	3 August, 2015
Student Feedback - I	8 August, 2015
Test I (Two Tests of one hour each with a gap of minimum two hours)	10 to 13 August, 2015
Display of course wise list of academically weak students; Display of Time Table of extra classes (before/after normal class hours) for such students	20 August, 2015
Conduction of extra/ remedial classes for academically weak students	24 August to 5 September, 2015
Completion of Teacher's Assessment - I	5 September, 2015
Display of Time Table for Test II	7 September 2015
Test II (Two Tests of one hour each with a gap of minimum two hours)	14, 15, 16 & 18 September, 2015
Completion of Teacher's assessment II	26 September, 2015
Parents Teachers meet	3 October, 2015
Stakeholder meet/ Departmental Alumni Meet/ Employers Meet	10 or 17 October, 2015
Display of Time Table for Test III	23 October 2015
Student Feedback - II	26 to 27 October, 2015
Last Teaching Day	27 October, 2015
Test III (Two Tests of one hour each with a gap of minimum two hours)	28 to 31 October, 2015
Display and finalization of Marks of Test III	Within 4 working days from the date of the last theory examination
Display of Provisional Detention List	29 October, 2015
Display and submission of final detention list to Dean Academics	31 October, 2015
Display and finalization of Continuous Assessment Marks and Display of Grades on the basis of Continuous Assessment Marks	4 November, 2015
Submission of Continuous Assessment Marks to office of COE	5 November, 2015
Diwali Vacation	9 to 14 November, 2015
Probable dates of End Semester Theory Examination	16 November to 12 December, 2015
Annakoot	21 November, 2015
Probable dates of display of marks of End Semester Examination	18 December, 2015
Probable dates of finalization and submission of marks to COE	19 December, 2015
Winter Vacation	21 December to 2 January 2016
Probable date of declaration of results of End Semester Examination	30 December, 2015
Start of Next Semester	4 January, 2016
Probable date of Makeup Examination	27 January to 13 February, 2016
Probable date of declaration of results of Makeup Examination	29 February, 2016

Note: 1) Display & Finalization of marks for Test I/II/End Term Examination shall be done within six and eight working days from the date of the last theory examination respectively.

2) Display of Provisional Grades on the basis of performance in Tests shall be done within 8 working days from the date of the last theory examination

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


 (Dr. Abhijeet Agashe)
 Dean Academics


 (Dr. R. S. Pande)
 Principal

SHRI RAMDEOBABA COLLEGE OF ENGINEERING & MANAGEMENT, NAGPUR
Academic Calendar (2015-2016), MBA/ MAM Semester I

Rev-0

Date of Release: 22/07/2015

Particular	Date
Display of Time Table	24 July, 2015
Session Begins	28 July, 2015
Classes Start	30 July, 2015
Declaration of mode of Teacher's assessment	4 August, 2015
Display of Time Table for Test I	20 August, 2015
Student Feedback - I	24 August, 2015
Test I (Two Tests of one hour each with a gap of minimum two hours)	26 to 29 August, 2015
Display of course wise list of academically weak students; Display of Time Table of extra classes (before/after normal class hours) for such students	12 September, 2015
Conduction of extra/ remedial classes for academically weak students	14 to 26 September, 2015
Completion of Teacher's Assessment - I	26 September, 2015
Display of Time Table for Test II	21 September 2015
Test II (Two Tests of one hour each with a gap of minimum two hours)	28 September to 5 October, 2015
Completion of Teacher's assessment II	30 September, 2015
Parents Teachers meet	3 October, 2015
Stakeholder meet/ Departmental Alumni Meet/ Employers Meet	16 or 17 October, 2015
Display of Time Table for Test III	23 October 2015
Student Feedback - II	26 to 27 October, 2015
Last Teaching Day	27 October, 2015
Test III (Two Tests of one hour each with a gap of minimum two hours)	28 to 30 October, 2015
Display and finalization of Marks of Test III	Within 4 working days from the date of the last theory examination
Display of Provisional Detention List	29 October, 2015
Display and submission of final detention list to Dean Academics	31 October, 2015
Display and finalization of Continuous Assessment Marks and Display of Grades on the basis of Continuous Assessment Marks	4 November, 2015
Submission of Continuous Assessment Marks to office of COE	5 November, 2015
Diwali Vacation	9 to 14 November, 2015
Probable dates of End Semester Theory Examination	16 November to 12 December, 2015
Annakool	21 November, 2015
Probable dates of display of marks of End Semester Examination	18 December, 2015
Probable dates of finalization and submission of marks to COE	19 December, 2015
Winter Vacation	21 December to 2 January 2016
Probable date of declaration of results of End Semester Examination	30 December, 2015
Start of Next Semester	4 January, 2016
Probable date of Makeup Examination (Theory & Practical)	27 January to 13 February, 2016
Probable date of declaration of results of Makeup Examination	29 February, 2016

Note: 1) Display & Finalization of marks for Test I/II/End Term Examination shall be done within six and eight working days from the date of the last theory examination respectively.

2) Display of Provisional Grades on the basis of performance in Tests shall be done within 8 working days from the date of the last theory examination

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

(Dr. Abhijeet Agashe)
Dean Academics

(Dr. R.S. Pande)
Principal

SHRI RAMDEOBABA COLLEGE OF ENGINEERING & MANAGEMENT, NAGPUR
Academic Calendar (2015-2016), M. Tech. Semester I

Rev-0

Date of Release: 22/07/2015

Particular	Date
Display of Time Table	24 July, 2015
Session Begins	3 August, 2015
Classes Start	3 August, 2015
Declaration of mode of Teacher's assessment	5 August, 2015
Display of Time Table for Test I	22 August, 2015
Student Feedback - I	24-26 August, 2015
Test I (Two Tests of one hour each with a gap of minimum two hours)	27 to 29 August, 2015
Display of course wise list of academically weak students; Display of Time Table of extra classes (before/after normal class hours) for such students	12 September, 2015
Conduction of extra remedial classes for academically weak students	14 to 26 September, 2015
Completion of Teacher's Assessment - I	26 September, 2015
Display of Time Table for Test II	21 September 2015
Test II (Two Tests of one hour each with a gap of minimum two hours)	28 to 30 September, 2015
Completion of Teacher's assessment II	30 September, 2015
Parents Teachers meet	3 October, 2015
Stakeholder meet/ Departmental Alumni Meet/ Employers Meet	10 or 17 October, 2015
Display of Time Table for Test III	23 October 2015
Student Feedback - II	26 to 27 October, 2015
Last Teaching Day	27 October, 2015
Internal Practical Examination	May be conducted during normal time table
Test III (Two Tests of one hour each with a gap of minimum two hours)	28 to 30 October, 2015
Display and Finalization of Marks of Absentee Test	Within 4 working days from the date of the last theory examination
Display of Provisional Detention List	29 October, 2015
Display and submission of final detention list to Dean Academics	31 October, 2015
Display and finalization of Continuous Assessment Marks (Theory and Practical) and Display of Grades on the basis of Continuous Assessment Marks	4 November, 2015
Submission of Continuous Assessment Marks (Theory and Practical) to office of COE	5 November, 2015
Diwali Vacation	9 to 14 November, 2015
Probable dates of End Semester Theory Examination	16 November to 5 December, 2015
Anaknol	21 November, 2015
Probable dates of End Semester Practical Examination	Between 7 December to 12 December, 2015
Probable dates of display of marks of End Semester Examination	16 December, 2015
Probable dates of finalization and submission of marks to COE	18 December, 2015
Winter Vacation	21 December to 2 January 2016
Probable date of declaration of results of End Semester Examination	30 December, 2015
Start of Next Semester	4 January, 2016
Probable date of Makeup Examination (Theory & Practical)	27 January to 13 February, 2016
Probable date of declaration of results of Makeup Examination	25 February, 2016

Note: 1) Display & Finalization of marks for Test I/II/End Term Examination shall be done within six and eight working days from the date of the last theory examination respectively.

2) Display of Provisional Grades on the basis of performance in Tests shall be done within 6 working days from the date of the last theory examination

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

(Dr. Abhijeet Agashe)
Dean Academics

(Dr. R.S. Pande)
Principal

SHRI RAMDEOBABA COLLEGE OF ENGINEERING & MANAGEMENT, NAGPUR
Academic Calendar (2015-2016), B.E. Semester III/V/VII,
M.Tech. Semester III & Semester V (Geotechnical Engineering)/MCA III/V

Rev-1

Date of Release: 22/07/2015

Particular	Date
Display of Time Table	1 July, 2015
Session Begins	1 July, 2015
Classes Start	6 July, 2015
Declaration of mode of Teacher's assessment	8 July, 2015
Display of Time Table for Test I	3 August, 2015
Student Feedback -I	8 August, 2015
Test I (Two Tests of one hour each with a gap of minimum two hours)	10 to 12 August, 2015
Display of course wise list of academically weak students; Display of Time Table of extra classes (before/after normal class hours) for such students	20 August, 2015
Conduction of extra/remedial classes for academically weak students	24 August to 5 September, 2015
Completion of Teacher's Assessment - I	5 September, 2015
Display of Time Table for Test II	7 September, 2015
Test II (Two Tests of one hour each with a gap of minimum two hours)	14 to 16 September, 2015
Completion of Teacher's assessment II	26 September, 2015
Parents Teachers meet	3 October, 2015
Stakeholder meet/ Departmental Alumni Meet/ Employers Meet	10 or 17 October, 2015
Display of Time Table for Test III	23 October 2015
Student Feedback -II	26 to 27 October, 2015
Last Teaching Day	27 October, 2015
Internal Practical Examination	May be conducted during normal time table
Test III (Two Tests of one hour each with a gap of minimum two hours)	28 to 30 October, 2015
Display and finalization of Marks of Test III	Within 4 working days from the date of the last theory examination
Display of Provisional Detention List	29 October, 2015
Display and submission of final detention list to Dean Academics	31 October, 2015
Display and finalization of Continuous Assessment Marks (Theory and Practical) and Display of Grades on the basis of Continuous Assessment Marks	4 November, 2015
Submission of Continuous Assessment Marks (Theory and Practical) to office of COE	5 November, 2015
Diwali Vacation	9 to 14 November, 2015
Probable dates of End Semester Theory Examination	16 November to 5 December, 2015
Arnakoot	21 November, 2015
Probable dates of End Semester Practical Examination	Between 7 December to 12 December, 2015
Probable dates of display of marks of End Semester Examination	16 December, 2015
Probable dates of finalization and submission of marks to COE	18 December, 2015
Winter Vacation	21 December to 2 January 2016
Probable date of declaration of results of End Semester Examination	30 December, 2015
Start of Next Semester	4 January, 2016
Probable date of Makeup Examination (Theory & Practical)	27 January to 13 February, 2016
Probable date of declaration of results of Makeup Examination	29 February, 2016

Note: 1) Display & Finalization of marks for Test I/II and End Term Examination shall be done within six and eight working days from the date of the last theory examination respectively.

2) Display of Provisional Grades on the basis of performance in Tests shall be done within 4 working days from the date of the last theory examination

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

(Dr. Anhijet Agashe)
Dean Academics

(Dr. R.S. Pande)
Principal

SHRI RAMDEOBABA COLLEGE OF ENGINEERING & MANAGEMENT, NAGPUR
Academic Calendar (2015-2016), B.E. Semester I

Rev-0

Date of Release: 22/07/2015

Particular	Date
Display of Time Table	24 July, 2015
Session Begins	28 July, 2015
Classes Start	29 July, 2015
Declaration of mode of Teacher's assessment	31 July, 2015
Display of Time Table for Test I	22 August, 2015
Student Feedback - I	24-26 August, 2015
Test I (Two Tests of one hour each with a gap of minimum two hours)	27 to 29 August, 2015
Display of course wise list of academically weak students; Display of Time Table of extra classes (before/after normal class hours) for such students	12 September, 2015
Parents Teachers meet	12 September, 2015
Conduction of extra/ remedial classes for academically weak students	14 to 26 September, 2015
Completion of Teacher's Assessment - I	26 September, 2015
Display of Time Table for Test II	21 September, 2015
Test II (Two Tests of one hour each with a gap of minimum two hours)	28 to 30 September, 2015
Completion of Teacher's assessment II	30 September, 2015
Display of Time Table for Test III	22 October, 2015
Student Feedback - II	26 to 27 October, 2015
Last Teaching Day	27 October, 2015
Internal Practical Examination	May be conducted during normal time table
Test III (Two Tests of one hour each with a gap of minimum two hours)	28 to 30 October, 2015
Display and Finalization of Marks of Test III	Within 4 working days from the date of the last theory examination
Display of Provisional Detention List	2 November, 2015
Display and submission of final detention list to Dean Academics	3 November, 2015
Display and finalization of Continuous Assessment Marks (Theory and Practical) and Display of Grades on the basis of Continuous Assessment Marks	4 November, 2015
Submission of Continuous Assessment Marks (Theory and Practical) to office of COE	5 November, 2015
Diwali Vacation	9 to 14 November, 2015
Probable dates of End Semester Theory Examination	16 November to 5 December, 2015
Annakoot	21 November, 2015
Probable dates of End Semester Practical Examination	Between 7 December to 12 December, 2015
Probable dates of display of marks of End Semester Examination	16 December, 2015
Probable dates of finalization and submission of marks to COE	18 December, 2015
Winter Vacation	21 December to 2 January 2016
Probable date of declaration of results of End Semester Examination	30 December, 2015
Start of Next Semester	4 January, 2016
Probable date of Makeup Examination (Theory & Practical)	27 January to 13 February, 2016
Probable date of declaration of results of Makeup Examination	29 February, 2016

Note:1) Display & Finalization of marks for Test I/II/End Term Examination shall be done within six and eight working days from the date of the last theory examination respectively.

2) Display of Provisional Grades on the basis of performance in Tests shall be done within 8 working days from the date of the last theory examination

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

(Dr. Abhijeet Agashe)
Dean Academics

(Prof. Ajay Agarwal)
Incharge - First Year

(Dr. R.S. Pande)
Principal

Even Semester

SHRI RAMDEOBABA COLLEGE OF ENGINEERING & MANAGEMENT, NAGPUR
Academic Calendar (2015-2016), MAM Semester II/ IV/VI

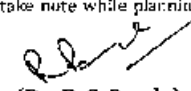
Date of Release: 20/10/2015

Title	Particulars
Display of Time Table	1 January, 2016
Session Begins / Classes Start	4 January, 2016
Declaration of mode of Teacher's assessment	7 January, 2016
MICCON-2016, International Conference on Management	8 to 9 January 2016
Display of Time Table for Test I	2 February, 2016
Student Feedback - I	3 to 6 February, 2016
Completion of Teacher's Assessment I	On or before 5 February, 2016
Test I (Two tests per day with a gap of minimum 2 hours; normal classes would be suspended during this period)	8,9,10 February, 2016
Display of course wise list of academically weak students and Display of Time Table of extra classes (before/after normal class hours) for such students	17 February, 2016
Continuation of extra / remedial classes for academically weak students	22 February to 5 March, 2016
Pratishruti	25-27 February, 2016
Display of Time Table for Test II	8 March, 2016
Test II (Two tests per day with a gap of minimum 2 hours; normal classes would be suspended during this period)	14,15,16 March 2016
Parent - Teacher meet	2 April, 2016
Completion of Teacher's assessment II	9 April, 2016
Stakeholder meet / Departmental Alumni Meet / Employers Meet	2 or 9 April, 2016
Display of Time Table for Test III	9 April, 2016
Student Feedback - II	11 to 16 April, 2016
Last Teaching Day	16 April, 2016
Test III (Two tests per day with a gap of minimum 2 hours)	18, 20 & 21 April, 2016
Display and finalization of Marks of Test III	Within 4 days from the date of the last theory examination
Display of provisional detention list	18 April, 2016
Display and submission of Final Detention list to Dean Academics	20 April, 2016
Display and finalization of Continuous Assessment Marks and Display of Grades on the basis of Continuous Assessment Marks	25 April, 2016
Submission of Continuous Assessment Marks to office of COE	25 April, 2016
Probable dates of End Semester Theory Examination	Between 25 April to 25 May, 2016
Display of marks of End Semester Examination	26 May, 2016
Finalization and submission of marks to COE	27 May, 2016
Summer Vacation	30 May to 13 July, 2016
Probable date of declaration of results of End Semester Examination	2 June, 2016
Remedial classes	3 June to 16 June, 2016
Probable date of start of Makeup Examination	17 June, 2016
Start of Next Semester	14 July, 2016
Probable date of declaration of results of Makeup Examination	14 July, 2016
Classes begin	18 July, 2016

Note:

- 1) Display & Finalization of marks for Test I/II/End Term Examination shall be done within six and eight working days from the date of the last theory examination respectively.
- 2) Display of Provisional Grades on the basis of performance in Tests shall be done within 8 working days from the date of the last theory examination
- 3) The dates may be changed due to circumstances beyond control. All concerned to take note while planning any activity.


(Dr. Abhishek Agashe)
Dean Academics


(Dr. R. S. Pande)
Principal


SHRI RAMDEOBABA COLLEGE OF ENGINEERING & MANAGEMENT, NAGPUR
Academic Calendar (2015-2016), B.E. Semester II/IV / VI / VIII,
M. Tech II/ IV (Geotechnical Engg.), MCA II/IV

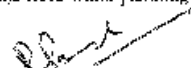
Date of Release: 20/10/2015

Title	Particulars
Display of Time Table	1 January, 2016
Session Begins / Classes Start	4 January, 2016
Declaration of mode of Teacher's assessment	7 January, 2016
Display of Time Table for Test I	2 February, 2016
Student Feedback - I	3 to 6 February, 2016
Completion of Teacher's Assessment I	On or before 5 February, 2016
Test I (Two tests per day with a gap of minimum 2 hours; normal classes would be suspended during this period)	8,9,10 February, 2016
Display of course wise list of academically weak students and Display of Time Table of extra classes (before/after normal class hours) for such students	17 February, 2016
Conduction of extra / remedial classes for academically weak students	22 February to 5 March, 2016
Pratishruti	25-27 February, 2016
Display of Time Table for Test II	8 March, 2016
Test II (Two tests per day with a gap of minimum 2 hours; normal classes would be suspended during this period)	14,15,16 March 2016
Parent - Teacher meet	2 April, 2016
Completion of Teacher's assessment II	9 April, 2016
Stakeholder meet / Departmental Alumni Meet / Employers Meet	2 or 9 April, 2016
Display of Time Table for Test III	9 April, 2016
Student Feedback - II	11 to 16 April, 2016
Last Teaching Day	16 April, 2016
Internal Practical Examination	May be conducted during normal Practical slots
Test III (Two tests per day with a gap of minimum 2 hours)	18, 20 & 21 April, 2016
Display and finalization of Marks of Test III	Within 4 days from the date of the last theory examination
Display of provisional detention list	18 April, 2016
Display and submission of Final Detention list to Dean Academics	20 April, 2016
Display and finalization of Continuous Assessment Marks (Theory and Practical) and Display of Grades on the basis of Continuous Assessment Marks	25 April, 2016
Submission of Continuous Assessment Marks (Theory and Practical) to office of COE	25 April, 2016
Probable dates of End Semester Theory Examination	Between 25 April to 18 May, 2016
Probable dates of End Semester Practical Examination	19 May to 25 May, 2016
Display of marks of End Semester Examination (Theory and Practical)	26 May, 2016
Finalization and submission of marks to COE	27 May, 2016
Summer Vacation	30 May to 13 July, 2016
Probable date of declaration of results of End Semester Examination	2 June, 2016
Remedial classes	3 June to 16 June, 2016
Probable date of start of Makeup Examination (Theory & Practical)	17 June, 2016
Start of Next Semester	14 July, 2016
Probable date of declaration of results of Makeup Examination	14 July, 2016
Classes begin	18 July, 2016

Note:

- 1) Display & Finalization of marks for Test I/II/End Term Examination shall be done within six and eight working days from the date of the last theory examination respectively.
- 2) Display of Provisional Grades on the basis of performance in Tests shall be done within 8 working days from the date of the last theory examination
- 3) The dates may be changed due to circumstances beyond control. All concerned to take note while planning any activity.


(Dr. Abhijeet Agashe)
 Dean Academics


(Dr. R. S. Fande)
 Principal


SHRI RAMDEOBABA COLLEGE OF ENGINEERING & MANAGEMENT, NAGPUR
Academic Calendar (2015-2016), MBA Semester II/ IV


Date of Release: 20/10/2015

Title	Particulars
Display of Time Table	1 January, 2016
Session Begins / Classes Start	4 January, 2016
Declaration of mode of Teacher's assessment	7 January, 2016
MICOM-2016, International Conference on Management	8 to 9 January 2016
Display of Time Table for Test I	2 February, 2016
Student Feedback - I	3 to 6 February, 2016
Completion of Teacher's Assessment I	On or before 5 February, 2016
Test I (Two tests per day with a gap of minimum 2 hours; normal classes would be suspended during this period)	8,9,10,11 February, 2016
Display of course wise list of academically weak students and Display of Time Table of extra classes (before/after normal class hours) for such students	17 February, 2016
Conduction of extra / remedial classes for academically weak students	22 February to 5 March, 2016
Pratishruti	25-27 February, 2016
Display of Time Table for Test II	8 March, 2016
Test II (Two tests per day with a gap of minimum 2 hours; normal classes would be suspended during this period)	14,15,16,17 March 2016
Parent - Teacher meet	2 April, 2016
Completion of Teacher's assessment II	9 April, 2016
Stakeholder meet / Departmental Alumni Meet / Employers Meet	2 or 9 April, 2016
Display of Time Table for Test III	9 April, 2016
Student Feedback - II	11 to 16 April, 2016
Final Project Viva (Semester IV only)	11 to 16 April, 2016
Last Teaching Day	16 April, 2016
Test III (Two tests per day with a gap of minimum 2 hours)	18, 20 & 21, 22 April, 2016
Display and finalization of Marks of Test III	Within 4 days from the date of the last theory examination
Display of provisional detention list	18 April, 2016
Display and submission of Final Detention list to Dean Academics	20 April, 2016
Display and finalization of Continuous Assessment Marks and Display of Grades on the basis of Continuous Assessment Marks	25 April, 2016
Submission of Continuous Assessment Marks to office of COE	25 April, 2016
Probable dates of End Semester Theory Examination	Between 25 April to 25 May, 2016
Display of marks of End Semester Examination	26 May, 2016
Finalization and submission of marks to COE	27 May, 2016
Summer Vacation	30 May to 13 July, 2016
Probable date of declaration of results of End Semester Examination	2 June, 2016
Remedial classes	3 June to 16 June, 2016
Probable date of start of Makeup Examination	17 June, 2016
Start of Next Semester	14 July, 2016
Probable date of declaration of results of Makeup Examination	14 July, 2016
Classes begin	18 July, 2016

Note:

- 1) Display & Finalization of marks for Test I/II/End Term Examination shall be done within six and eight working days from the date of the last theory examination respectively.
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- 3) The dates may be changed due to circumstances beyond control. All concerned to take note while planning any activity.


 (Dr. Abhijeet Agashe)
 Dean Academics


 (Dr. R. S. Pande)
 Principal

Annexure - II

Feedback Analysis

Details of Feedback is conducted in the institution

Stakeholder	Frequency	Mode
Student	Twice in a semester	Online
Parents	Once in a semester	Manual
Employers	Once in a semester	Manual
Alumni	Once in a semester	Manual

- Feedback from students is taken on three parameters, viz. Institution, Department and Teaching faculty

Parameters for Student 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	
Administrative office: Ease of Approachability		Your inclination for taking another course from this teacher	

- **Feedback from Parents / Employers and Alumni is conducted during parent-teacher meeting and meetings with the respective stakeholders on dates as prescribed in the academic calendar.**

**** All feedbacks are analyzed at departmental and central level and corrective actions are initiated.**

Sample Student Feedback

At Institute Level

Competence	Excellent (%)	Very Good (%)	Good (%)	Poor (%)	Very Poor (%)	Overall (%)
Central Library: Adequacy of titles and volumes						
Central Library: Ease in issuing of books						
Central Library: Suitability of library timing						
Adequacy of facilities promoting Sports, NSS etc						
Approach towards promoting co-curricular and extra co-curricular activities						
Adequacy and time-suitability of photocopying facility						
College Canteen facility: timings and food quality						
Centralized Computer laboratory and internet facility: qualitative and quantitative adequacy						
Availability of distance learning resources, video lectures, web courses etc.						
Student counseling and training for improving placements						
Administrative office: Ease of Approachability						
Administrative office: Ease of Approachability						

At Department Level

Competence	Excellent (%)	Very Good (%)	Good (%)	Poor (%)	Very Poor (%)	Overall (%)
Adequacy of laboratory facilities (Space/ventilation/number of set ups etc)						
Availability and ease of computing & internet facility						
Mechanism and approach to provide exposure to external world through field visits, guest lectures etc.						
Infrastructure (Furniture/blackboard/ illumination/fans/ flooring etc.)						
Overall approach and commitment of the department towards providing quality technical and professional education						
Hygiene (class/sanitation/ surrounding)						
Mechanism and approach to deal with students/parents grievances						
Students guidance and mentoring facilities						
Availability of modern instruments and arrangements/facilities to provide hands on experience						

• **Feedback from stakeholders - Alumni**

Format Alumni Feedback

Shri Ramdeobaba College of Engineering & Management, Nagpur-440013 (M.S.)

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
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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**

Sr.No.	Revision/ Updates in Academic Regulation	Date of Approval in Academic Council
1	Introduction of Credit Transfer Scheme with Indian Institution	25 th April 2015
2	Decentralization of post exam work for PG Examinations	

Revision/ Updates in Scheme and Syllabus**Department: Computer Science and Engineering**

Sr.No.	Semester	Course code and Name in which revision was made	Salient features of Revision of syllabus
1	III	Advanced Programming Lab Course(CSP213)	Study of Socket programming and Inter Process Communication & Object Oriented Programming Concepts
2	VII	Advanced Object-Oriented Technologies(CST403-3)	Study of Advanced Framework
3	VIII	Mobile Adhoc Network (CST409-5)	Study of Advanced Framework

Department: Electronics and Communication

Sr.No.	Semester	Course code and Name in which revision was made	Salient features of Revision of syllabus
1	III	CST211 Object Oriented Data Structure	On the basis of the student feedback and keeping in view the campus placements. Theory Course is introduced in addition to lab. Earlier only lab was there for this course.

Department: Information Technology

Sr.No.	Semester	Course code and Name in which revision was made	Salient features of Revision of syllabus
1	VI Semester	Software Testing (ITT307-4)	Included an additional choice for elective-I in the syllabi. Approved by BOS, IT.
2		Animation Workshop (ITP310) [Audit Course]	It is now treated as semester wide Mini project. Approved by BOS, IT.

Department: Electrical Engineering

Sr.No.	Semester	Course code and Name in which revision was made	Salient features of Revision of syllabus
1	I to IV Sem. M.Tech (PEPS)	All Subjects	Scheme is designed for Choice Based Credit System (CBCS) implemented from session 2016-17
2.	III Sem M.Tech	Electric Vehicle (EET 615-2)	New subject proposed in M.Tech (PEPS)
3.	I Sem. M.Tech	FACTS & HVDC Transmission (EET556)	HVDC Transmission of I -Sem M.Tech and FACTS of II-Sem M.Tech was combined together and a new subject FACTS & HVDC Transmission is created. Its syllabus is also revised.

Department: Mechanical Engineering

Sr.No.	Semester	Course code and Name in which revision was made		Salient features of Revision of syllabus
1	V Sem BE	MET304	Production Technology	Break even analysis of Unit V, shifted to unit III.
2	VI Sem BE	MCT321	Computer Application	To change as per student's requirement. A unit on C Graphics is included in the syllabus. RDBMS with mechanical engg application is included while core architectural part is removed. Introduction to scilab is introduced.
3	VIII Sem BE	MET406	Automation in Production	APT programming is removed from Unit-II (due to vast syllabus and more focus is required on CNC Programming).
4	VIII Sem BE	MET 408-4	Power Plant Engineering	Sequence is altered and restructuring is done as per the suggestions given in academic audit by Dr. Dhoble (VNIT, Nagpur). Overall change is less than 20%.

Department: Civil Engineering

Sr. No.	Semester	Course code and Name in which revision was made	Salient features of Revision of syllabus
1	IV Semester	CET 208 Concrete Technology	Rearranged course content
2	IV Semester	CET 209 Surveying I	Topic on Global Positioning system is added to the course
3	IV Semester	CEP 209 Surveying I	One practical – Determination of coordinates using GPS added in the list of Practical's
4	V Semester	CEP 303 Surveying II	One practical based on use of Total Station is Introduced
5	V Semester	CET 305 Building Design and Drawing	Topic- Procedure for sanctioning the submission drawing, power of attorney, release letter, sale deed, auto DCR softer added to the courses
6	V Semester	CEP 305 Building Design and Drawing	Content of Practical revised in the course
7	VI Semester	CET 311 Fluid Mechanics II	Content of the course rearranged Topics – Laminar sub layer, displacement thickness, momentum thickness, energy thickness, total drag on flat plate due to laminar and turbulent boundary layer, forces on emerge bodies added to the course.
8	VI Semester	Open Elective CET 314-1 Environmental Pollution	Topic- Water treatment added in the course content
9	VII Semester	CEP 405 Structural Analysis II	List of practical introduced in the course
10	VII Semester	Elective I CET 404-1 Advanced Construction Materials	New construction materials like cladding, fall ceiling, paneling, etc added to the course content.
11	VIII Semester	Elective II CET 409-4 Multistoried Structures	Course content rearranged

Department: Industrial Engineering

Under Graduate Programme				
Sr.No.	Semester	Course code and Name in which revision was made		Salient features of Revision of syllabus
1	VIII	ERP	INT 411-3	New syllabus proposed
2	V	Machine Design	INT 303	Minor change in Unit 1
3	III	PMME	INT202	Unit of marketing management added
4	V	Operations research I	INT 301	New topics added in Unit 3
		Operations research II	INT 307	Contents of Unit 4 changed.
5		Nonlinear optimization	INT 410-4	Modern optimization methods added
6	V	Human resource management	INT 305-2	New syllabus proposed
7		Materials Management	INT 411-1	Advanced topic on multi criterion decision making
Post Graduate Programme				
Sr.No.	Semester	Course code and Name in which revision was made		Salient features of Revision of syllabus
1	I	Supply chain management		New syllabus proposed
2	II	MEA	INT 508	Minor modifications
3	II	Maintenance Engineering	INT 510	INT 510 Minor modification in Unit 1
4	I	Computational Database Management	INT 502	Minor modifications
5	II	Automation in Production	INT 506	INT 506 CNC added instead of NC

6	III	Reliability	INT 603-6	Minor modifications
7	III	Research Methodology	INT 601	Minor modifications

Department: Electronics Engineering

Sr.No.	Semester	Course code and Name in which revision was made	Salient features of Revision of syllabus
1	VI semester B.E.	New open elective course Arduino playground (ENT311-03)	The open elective course on Arduino playground was offered to VI semester UG students in view of growing interest in Arduino, which is an open-source electronics platform based on easy-to-use hardware and software. This platform is used for many applications like automation, communication etc.
2	All semesters of B.E.	Incentive Grades	Revision was made in regulation No. R.7 regarding Incentive Grades to students for Patents, Industry Internships and Industry sponsored Projects (Financial/ Technical Assistance)

Department: Management Technology

Sr. No.	Semester	Course Code and Name in which revision was made	Salient features of Revision of Syllabus
1	III Semester MBA	MBT602-6, Indian Banking and Financial Services	Lending function and pricing policy shifted from Unit II to Unit III. SLR, capital adequacy was added. Credit risk and loan losses changed to NPA management
2	III Semester MBA	MBT601-3, Retail management	Removed theories of Retail Management Retail trends and retail audit added

MBA Integrated (Previously MAM)

Sr. No.	Semester	Course Code and Name in which revision was made	Salient features of Revision of Syllabus
1	I Semester MBA Integrated	BMT 101, English Language	Some topics were added related to listening skills
2	II Semester MBA Integrated	BMT 111, Business Ethics and Corporate Governance	Name of Unit I was changed from Environmental Ethics to Ecological Concerns Unit III – name changed
3	I Semester MBA Integrated	BMA 101, Business Ethics and Corporate Governance	Unit I – Swot Analysis and Goal Setting added Interpersonal and team skills and time management were added
4	II Semester MBA Integrated	BMT 106, Business Communication	Unit V- Name changed from public presentation to public presentation and corporate communication
5	III Semester MBA Integrated	BMT 202, Management Principles	Some content shift from unit VI to Unit V
6	II Semester MBA Integrated	BMT 203, Cost Accounting	Operating costing was added in Unit IV
7	II Semester MBA Integrated	BMT 205, Human Resource Management	Unit III – Factors were added to HRP
8	VI Semester MBA Integrated	BMT 307, Banking and Financial Service	New trends in banking innovations and types of services provided in banks were added. Unit II- Financial and Money Markets instruments were added
9	VI Semester MBA Integrated	BMT 308, E-Commerce	Unit I changed and Stages to website Development life cycle was added.

Department: Computer Application

Sr.No.	Semester	Course code and Name in which revision was made	Salient features of Revision of syllabus	
1.	I	MCT530	Computer Organization & Architecture	A new Scheme of Choice based credit system is introduced from 2016-17 session.
		MCT531	Concepts in Data Structures	
		MCP531	Concepts in Data Structures Lab	
		MCT532	Principles of Programming Languages	
		MCT533	Discrete Mathematics & Graph Theory	
		MCP533	Numerical Methods lab	
		MCT534	Principles of Management	
		MCP534	Basics of Computer Hardware Lab	
		HUP 501	(01)Communication Skills (02)Environmental Science	
2.	II	MCT535	Theory of Automata & Formal Languages	A new Scheme of Choice based credit system is introduced from 2016-17 session.
		MCT536	Introduction to Operating System	
		MCP536	Computer Workshop-I Lab	
		MCT537	Concepts in Software	

			Engineering	
		MCP537	Concepts in Software Engineering Lab	
		MCT538	Object Oriented Programming-1	
		MCP538	Object Oriented Programming-1 Lab	
		MCP539	(01) Game Programming Lab (02) PHP Programming Lab	
		HUP502	(01) Soft Skills (02) Professional Practice & Ethics	
3.	V	MCT705-1	Business Intelligence	Code Course was redefined for Elective-III subjects to maintain uniformity in the scheme.
		MCT705-2	Soft Computing	
		MCT705-3	Pattern Recognition	
		MCT705-4	Information Retrieval	
		MCT705-5	Introduction to IOT	New Course introduced in Elective-III as per BOS meeting held on 12/3/2016

Department: Physics

Sr.No.	Semester	Course code and Name in which revision was made	Salient features of Revision of syllabus
1.	I/II	PHT101, Engineering Physics	<p>1. Some devices used for charge particle acceleration were dropped as it had overlap with XII class syllabus.</p> <p>2. Increase in scope of some newly emerging technologies such as Optical Fiber and Nanotechnology</p>

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 purely on merit basis. As the admissions are purely on merit basis, will facilitate 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'. As a consequence of this, only 29% of the total sanctioned intake seats are filled through the Common Admission Process CAP round of Government of Maharashtra and admissions for rest of the 71% seats (of sanctioned intake capacity) are done at the college level only (Management Quota). In spite of this, college has adopted 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.