



## Yearly Status Report - 2014-2015

### Part A

#### Data of the Institution

<b>1. Name of the Institution</b>		<b>NARSIMHA REDDY ENGINEERING COLLEGE</b>
Name of the head of the Institution		<b>Dr .B .V .Jagannadham</b>
Designation		<b>Principal</b>
Does the Institution function from own campus		<b>Yes</b>
Phone no/Alternate Phone no.		<b>09949092454</b>
Mobile no.		<b>9949092454</b>
Registered Email		<b>principal@nrcmec.org</b>
Alternate Email		<b>iqaccordinator@nrcmec.org</b>
Address		<b>Maisammaguda</b>
City/Town		<b>Kompally</b>
State/UT		<b>Telangana</b>
Pincode		<b>500100</b>
<b>2. Institutional Status</b>		

Affiliated / Constituent	Affiliated
Type of Institution	Co-education
Location	Rural
Financial Status	private
Name of the IQAC co-ordinator/Director	P.Ashok Babu
Phone no/Alternate Phone no.	09676999590
Mobile no.	9493131864
Registered Email	iqacordinator@nrcmec.org
Alternate Email	principal@nrcmec.org

### 3. Website Address

Web-link of the AQAR: (Previous Academic Year)	<a href="http://www.nrcmec.org/IQAC-cell.html">http://www.nrcmec.org/IQAC-cell.html</a>
<b>4. Whether Academic Calendar prepared during the year</b>	Yes
if yes,whether it is uploaded in the institutional website: Weblink :	<a href="http://nrcmec.org/AcademicCalender.html">http://nrcmec.org/AcademicCalender.html</a>

### 5. Accrediation Details

Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
1	A	3.04	2015	01-May-2015	30-Apr-2020

<b>6. Date of Establishment of IQAC</b>	17-Aug-2015
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### 7. Internal Quality Assurance System

Quality initiatives by IQAC during the year for promoting quality culture		
Item /Title of the quality initiative by IQAC	Date & Duration	Number of participants/ beneficiaries
INTRODUCTION TO MATLAB AND PROGRAMMING	07-May-2014 6	168
PRINCIPLES OF DIGITAL SIGNAL PROCESSING	07-May-2014 6	121

PROJECT BASED LEARNING IN MICROCONTROLLER USING KEIL TOOL	12-Aug-2014 6	105
SELF MANAGEMENT AND LEARNING SKILLS	30-Jun-2014 6	273
A TWO DAY NATIONAL LEVEL WORKSHOP ON ENGINEERING DRAWING	12-Sep-2014 2	168
A TWO DAYS WORKSHOP ON SOLID WORKS 2K14	03-Apr-2014 2	121
WORKSHOP ON CATIA	15-Apr-2014 2	105
A TWO DAY NATIONAL LEVEL WORKSHOP ON MECHTRONICS AND FEA THE PARADIGMS OF ADVANCED LIFE AT MREC	04-Dec-2015 2	125
A TWO DAY NATIONAL LEVEL WORKSHOP ON FINITE ELEMENT ANALYSIS AT MREC	12-Mar-2015 2	125
ACADEMIC INDUSTRY MANAGEMENT WORKSHOP ORANIZED BY GP BIRLA INSTITUTE OF HUMAN EXCELLENCE	04-Jun-2014 2	100
<a href="#">View File</a>		

**8. Provide the list of funds by Central/ State Government- UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.**

Institution/Department/Faculty	Scheme	Funding Agency	Year of award with duration	Amount
<b>No Data Entered/Not Applicable!!!</b>				
<b>No Files Uploaded !!!</b>				

**9. Whether composition of IQAC as per latest NAAC guidelines:**

Yes

Upload latest notification of formation of IQAC

[View File](#)

**10. Number of IQAC meetings held during the year :**

2

The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website

Yes

Upload the minutes of meeting and action taken report

[View File](#)

11. Whether IQAC received funding from any of the funding agency to support its activities during the year?	No
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**12. Significant contributions made by IQAC during the current year(maximum five bullets)**

• Assisted in to put emphasis on the Outcome Based Education (OBE) model to upgrade the knowledge, skill and behavior of the learners • Established smart classrooms to enhance the teaching learning process • Encouraged faculty members to take-up research projects, consultancy and extension activities number of patents • Rendered significant backing to obtain 25th position among the institutions of higher education in India, in the ranking of the times of India • Supported to conduct academic audits

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

Plan of Action	Achivements/Outcomes
Curricular Aspects	Introduced more number of Elective subjects
Teaching, Learning & Evaluation	Enhanced the practical exposure of faculty members through industrial training / workshops / FDPs.
Research, Innovations and Extension	Published papers in reputed Journals.
Infrastructure and Learning Resources	Purchased more standard text books in all the disciplines.
Student Support and Progression	Industry oriented students projects developed.
Governance, Leadership and Management	Provided mentoring support to the faculty members.
Institutional Values and Best Practices	Empowered the students to organize departmental events
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14. Whether AQAR was placed before statutory body ?	Yes
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Name of Statutory Body	Meeting Date
College Governing Body	17-Dec-2014

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	Yes
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Date of Visit	04-Mar-2015
<b>16. Whether institutional data submitted to AISHE:</b>	Yes
Year of Submission	2015
Date of Submission	11-Jul-2015
<b>17. Does the Institution have Management Information System ?</b>	Yes
If yes, give a brief description and a list of modules currently operational (maximum 500 words)	For keeping details pertaining to financial transactions, the Tally Accounting Software has been in use since 2007. The library management information system is based upon the New Zen Lib, 3.1 beta1 discover, using the RFID technology. Works pertaining to data entry in these platforms is done by the library staff, whereas book searching, issue and return works are openly accessible to all to both students and faculty members. There are departmental admins to enter details like departmental notices, events and achievements in the portal.

## Part B

### CRITERION I – CURRICULAR ASPECTS

#### 1.1 – Curriculum Planning and Implementation

1.1.1 – Institution has the mechanism for well planned curriculum delivery and documentation. Explain in 500 words

Being the affiliated institute, the institute implements the curriculum prescribed by JNTUH. For effective implementation of the curriculum, the following process is developed and deployed. Plan for effective implementation of curriculum: At the outset, the Principal of the college conducts meetings with the various department heads and examination in charge to develop strategies for effective implementation of the curriculum. Teachers are encouraged to impart the curriculum through creative teaching methods such as audio video tools, Brainstorm, Role Play, Stimulating Classroom Environment, Puzzles, Flipping the lecture, Analogy, workshops, seminars and industrial visits besides the regular/traditional chalk and talk methods. This institute follows the academic calendar provided by the University which is circulated to all departments. At the beginning of the semester each faculty prepare Objective Driven Teaching Plan. Faculty members maintain course files. The College encourages faculty members to participate in Orientation/ Refresher Courses/ Workshops/ Seminars/ Industrial training organized by the different organizations so as to update their knowledge and to improve the teaching practices. The college provides ample books and other teaching and reference materials like journals, magazines, teaching models and software to enable teachers to ensure effective delivery of curriculum. Library committee conducts

meeting and takes appropriate decision regarding the requirement and procurement of books, journals, e-journals. Ensuring staff have opportunities for keeping their skills and industry/business expertise upto date. Encouraging faculty members to evaluate their own learning and teaching practices. Establishing MOUs with various industries and institution. All Faculty members are trained to achieve Programme Educational Objectives and program outcomes. The students of each branch would have gained strong fundamental knowledge, acquired enough managerial skill and developed an inclination for lifelong learning. The teaching and laboratory plans are approved by Head of the Department (HOD) before the start of semester and communicated to students by respective course teacher. The course files are evaluated by Internal Quality Assurance Committee (IQAC) with the help of concerned course coordinator and HOD. IQAC monitors the academic activities on regular basis to ensure the execution of timetable. It also monitors execution of academic calendar and teaching learning process and finds the gap, if any. Employing learner centric techniques such as assignments, peer learning, group discussion, brain storming, use of NPTEL lectures, case studies, projects, quiz etc., in the delivery of the academic courses.

#### 1.1.2 – Certificate/ Diploma Courses introduced during the academic year

Certificate	Diploma Courses	Dates of Introduction	Duration	Focus on employ ability/entrepreneurship	Skill Development
FPGA Kit Amptheir applications using Embedded c by SC labs		10/01/2015	7	Employability	Skill development
Robotics		17/02/2015	7	Employability	Skill development
Research methodologies		03/02/2015	1	Employability	Skill development
IBM Bluemix		12/09/2014	1	Employability	Skill development
Ethical hacking		22/11/2014	2	Employability	Skill development
teaching methodologies		10/08/2014	1	Employability	Skill development
Big data Analytics		20/10/2014	1	Employability	Skill development
Advanced MATLAB/Simulink for Electrical Engineering		22/12/2014	7	Employability	Skill development
Auto cad		16/02/2015	6	Employability	Skill development

#### 1.2 – Academic Flexibility

##### 1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
Mtech	EPS	04/06/2014

Mtech	ES	04/06/2014
<a href="#">View File</a>		

1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective course system implemented at the affiliated Colleges (if applicable) during the academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
<b>No Data Entered/Not Applicable !!!</b>		

1.2.3 – Students enrolled in Certificate/ Diploma Courses introduced during the year

	Certificate	Diploma Course
Number of Students	510	0

### 1.3 – Curriculum Enrichment

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

Value Added Courses	Date of Introduction	Number of Students Enrolled
Introduction to MATLAB and Programming	05/07/2014	168
Micro Electro Mechanical Systems	12/08/2014	43
PV system Design and implementation	26/12/2014	30
Big Data Analytics using Hadoop Eco Systems	25/05/2015	47
Business Communication- Practical	18/07/2014	25
Principles of Digital Signal Processing	05/07/2014	121
Self Management and Learning skills	30/06/2014	273
Introduction to ANSYS	12/08/2014	48
Advanced MATLAB/Simulink for Electrical Engineering	22/12/2014	30
Soft skill training	25/05/2015	45
<a href="#">View File</a>		

1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
BTech	ECE	72
BTech	CSE	103
BTech	ME	63
BTech	EEE	15
MBA	MBA	25
<a href="#">View File</a>		

### 1.4 – Feedback System

#### 1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	Yes
Alumni	Yes
Parents	Yes

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

##### Feedback Obtained

The institute uses well planned feedback systems for collecting feedback from all stakeholders. Stakeholders are encouraged to interact with the Principal, concerned HOD's and give their responses. After collecting the feedback from the stake holders, it will be analyzed and action will be taken. • Feedback given by the Students are Core Internship must be encouraged, More Industrial visits must be arranged and Hands on training on advanced technology must be included and action taken on its are, sent students for internships during vacations, Industrial visits organized for all departments and Workshops, on Solving problem using MATLAB, Research methodologies, Python etc. are conducted. • Feedback given by the Alumni are Industry oriented knowledge and learning scheme should be implemented, Special courses (java,.net,etc) should be taught instead of regular courses, and action taken on its are Innovation knowledge sharing with students, Workshops to make students aware of new software latest techniques and In house Projects carried out in project lab under the guidance of faculty members. • Feedback given by the Employers are Updates on current technologies and Students need to train for placements for different organizations and action taken on its Organized guest lectures on advanced topics and encouraged to register MOOCs courses and CRT classes with external agencies( Globberena technologies) • Feedback given by the Parents are Improvements required in communication skills and Personality development training and action taken on its Training and placement classes

### CRITERION II – TEACHING- LEARNING AND EVALUATION

#### 2.1 – Student Enrolment and Profile

##### 2.1.1 – Demand Ratio during the year

Name of the Programme	Programme Specialization	Number of seats available	Number of Application received	Students Enrolled
BTech	ECE	120	120	89
BTech	CSE	180	300	179
BTech	MECH	180	120	106
BTech	CIVIL	180	75	60
BTech	EEE	60	60	20
Mtech	EMBEDDED SYSTEM	24	24	23
Mtech	VLSI	24	24	7
Mtech	CSE	18	30	14
Mtech	CS	24	10	2
Mtech	THERMAL ENGINEERING	24	24	24

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## 2.2 – Catering to Student Diversity

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

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2014	1530	225	150	33	15

## 2.3 – Teaching - Learning Process

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

Number of Teachers on Roll	Number of teachers using ICT (LMS, e-Resources)	ICT Tools and resources available	Number of ICT enabled Classrooms	Number of smart classrooms	E-resources and techniques used
183	183	41	41	0	0

[View File of ICT Tools and resources](#)

[View File of E-resources and techniques used](#)

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

The principle objective of introducing the “Student Mentoring System” is to guide and monitor the academic, career advancement, co-curricular and extra-curricular performances of the student and accordingly mould the students to utilize all the resources available in the institution for holistic development of the students. The system encompasses continuous monitoring the student’s performance, identifying the strengths, shortcomings, behavior and attitude, and offering amicable support and specific suggestions to develop the students in all aspects. The system also aims at implanting good habits, behavior and human values among the students. Mentoring (counseling) system consists of: 1. There is one counselor for every 15 students. 2. Whenever necessary the students get counseled. 3. Prior to Interaction with the students, the faculty ascertains the details of attendance, performance in examinations/tests. 4. Details of attendance and performance are discussed during the one to one interaction, suggestions / comments, if any, are noted in the “Student Mentoring Proforma” and first week of every month attendance report is sent to the parents whose wards have less than 75 attendance. 5. On every day counselors will make a calls to the parents (for absentee case) 6. Those who got below 65 attendance, counselors invite parents to the campus and make the students and parents aware of the attendance information. 7. The students also are counseled on career guidance, higher studies and entrepreneurship. 8. Good and top performers are further encouraged to aim at university ranks, higher studies and jobs at multi-national companies. 9. If some students are identified as slow learners, remedial classes are arranged for them in consultation with the Head of the Department. The students are encouraged to participate in various co-curricular and extra-curricular activities organized by the individual departments and institution. The importance of participating in such activities for personal and professional development is emphasized during the counseling sessions.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
1759	183	1 : 15

## 2.4 – Teacher Profile and Quality

### 2.4.1 – Number of full time teachers appointed during the year

No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the current year	No. of faculty with Ph.D
183	183	0	54	29

### 2.4.2 – Honours and recognition received by teachers (received awards, recognition, fellowships at State, National,

International level from Government, recognised bodies during the year )

Year of Award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
2015	Mr.P.Ashok babu	Associate Professor	Best HOD
2015	Mrs. K.Lakshmi	Assistant Professor	Best Teacher
2015	Dr.U.M.FERNANDES DIMLO	Professor	Best Faculty
2015	A.SRAVANTHI	Assistant Professor	Best Faculty
2015	N. Srinivasa Rao	Assistant Professor	Long time Faculty
2015	N NAGU NAIK	Assistant Professor	Best Teacher
2015	N.SAI KIRANMAI	Assistant Professor	Long Standing Faculty
2015	V. PRASHANTH	Assistant Professor	Long Standing Faculty
2015	G SATISH KUMAR	Assistant Professor	Best Teacher
2015	Dr.Vaibhav Meshram	Professor	Best Paper

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## 2.5 – Evaluation Process and Reforms

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

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of results of semester-end/ year- end examination
BTech	ECE-04	I /II,III,IV	27/12/2014	31/01/2015
BTech	CSE-05	I/II,III,IV	20/06/2015	05/08/2015
BTech	CIVIL-01	I/II	27/12/2014	31/01/2015
BTech	EEE-02	I/II,III,IV	27/12/2014	31/01/2015
BTech	ME-03	I/II,III,IV	27/12/2014	31/01/2015
BTech	H S	I	27/06/2015	22/08/2015
Mtech	ES,VLSI	I-I	18/04/2015	23/06/2015
Mtech	CSE-05	I-I	18/04/2015	23/06/2015
MBA	MBA-E	II/I	02/02/2015	02/09/2015

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2.5.2 – Reforms initiated on Continuous Internal Evaluation(CIE) system at the institutional level (250 words)

) For theory subjects the distribution shall be 25 marks for Internal Assessment and 75 marks for External Assessment. For theory subjects, during a semester there shall be 2 midterm examinations. Each mid- term examination consists of one objective paper, one descriptive paper and one assignment. The objective paper and the descriptive paper shall be for 10 marks each with a total duration of 1 hour 20 minutes (20 minutes for objective and 60 minutes for descriptive paper). The objective paper is set with 20 bits of multiple choices and fill-in the blanks for a total of 10 marks. The essay paper shall

contain 4 full Questions out of which, the student has to answer 2 questions, each carrying 5 Marks. While the first mid-term examination shall be conducted on 1 to 2.5 units of the syllabus, the Second mid-term examination shall be conducted on 2.5 to 5 units. Five (5) marks are allocated for Assignments (as specified by the subject teacher concerned). The first Assignment should be submitted before the conduct of the first mid-examination, and the second Assignment should be submitted before the conduct of the second mid-examination. The total marks secured by the student in each mid-term examination are evaluated for 25 marks, and the average of the two mid-term examinations shall be taken as the final marks secured by each candidate. For practical subjects there shall be a continuous evaluation during a semester for 25 marks for internal and 50 marks for end semester examination. Out of the 25 marks for internal evaluation, day-to-day work in the laboratory shall be evaluated for 15 marks and internal practical examination shall be evaluated for 10 marks conducted by the laboratory teacher concerned. The end semester examination shall be Conducted with an external examiner and the laboratory teacher. The external examiner shall be appointed from the clusters of colleges which are decided by the examination branch of the University.

### 2.5.3 – Academic calendar prepared and adhered for conduct of Examination and other related matters (250 words)

The institution ensures effective time management and timeliness. It receives the university given timeline and adheres to it. In the beginning of the academic year, academic calendar is published by the University for Respective Course. The college carries out effective planning to stick to academic calendar. This allows the teachers and the students to space out their teaching and learning and regular assessment of the same. The college conducts assessment to the students in three different components - theory, objective and assignments. The theory component is marked for 10. The objective component is marked for 10. The assignment is marked for 5. These tests are conducted in evenly spaced out intervals to avoid pressuring the students with too many examinations. Every academic year consists of two semesters. Each semester is to be of 16 weeks. The first Continuous Internal Examination (CIE I) also known as MID I along with the Lab Internal 1 is conducted after 8 weeks of class work. CIE II (MID II) and Lab Internal II are conducted after 16 weeks of class work. Within the above mentioned 8 weeks of class work, the concerned syllabus is taught to the students. They are then tested on the same material. An average of both these examinations is calculated to attain the final internal marks of the student. These marks are also vitalized to decide the course of nature for teaching slow students and rectify their performance before the external examination. This helps the students attain knowledge beyond the syllabus as these topics are not covered by the exams conducted by the university but are still relevant. These assignments are given within a set timeframe. The students are to complete them within the time given to adhere to the university timeline. Following the university calendar, every department creates internal calendars to ensure timely delivery of syllabus. Every teacher follows a strict agenda that is discussed and approved by the head of their respective department. This is followed by deducing a day-to-day division of topics and chapters. These topics and chapters are chosen keeping the upcoming CIE in mind. The timeline created allows for the students to complete the given syllabus in enough time. The students are given plenty of time before the examinations as well to prepare and practice their concepts. In case of any required change, the university communicates the modification to the college and the college enforces the same.

### 2.6 – Student Performance and Learning Outcomes

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

<http://www.nrcmec.org/ECE-PEOs.html>

## 2.6.2 – Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students appeared in the final year examination	Number of students passed in final year examination	Pass Percentage
4	BTech	ECE	121	95	78.5
5	BTech	CSE	112	96	85
3	BTech	MECH	119	103	86
2	BTech	EEE	55	30	55
E	MBA	MBA	25	15	60

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## 2.7 – Student Satisfaction Survey

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

<http://www.nrcmec.org/Results.html>

## CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

### 3.1 – Resource Mobilization for Research

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

Nature of the Project	Duration	Name of the funding agency	Total grant sanctioned	Amount received during the year
Major Projects	60	NRCMRPS	2.5	2.5
Students Research Projects (Other than compulsory by the University)	30	NRCMRPS	0.6	0.6

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### 3.2 – Innovation Ecosystem

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

Title of workshop/seminar	Name of the Dept.	Date
Stress Management	MBA	17/08/2014
MODERN SPEED CONTROL TECNICS OF AC MOTORS (WORKSHOP)	EEE	10/09/2014
INDUSTRIAL NETWORKING USING VARIOUS FIELD BUSES (SEMINAR) EE	EEE	04/03/2015
Seminar on Advanced Surveying	CIVIL	28/03/2015
Workshop on Reasearch methodologies	CSE	03/02/2015

Work shop on teaching methodologies	CSE	10/08/2014
Signals Systems: Solving problem using MATLAB	ECE	06/08/2014
VLSI Technology	ECE	26/10/2014
Electromagnetic Theory Transmission Lines	ECE	04/07/2014
Personality Development	ECE	25/09/2014
Hands on Business Experience	MBA	03/09/2015
Recent Trends in HRM	MBA	12/08/2014

3.2.2 – Awards for Innovation won by Institution/Teachers/Research scholars/Students during the year

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
Paper Presentation	M.Suryanarayana Raju	MRIET	26/09/2014	1st Prize
Circuit Debugging	K.Dhanalakshmi	CMREC	14/03/2015	Best Performer
Technical Jam	D.Prashanth	CMRCET	13/04/2015	1st Prize
Poster Presentation	M Durga Prasad	St Josephs Institute of Technology, Chennai	15/09/2014	2nd Prize
Roboverticity	S. Pradeep	St Josephs Institute of Technology, Chennai	08/08/2014	1st Prize
Paper Presentation	B Ravi	CMR	14/03/2015	2nd Prize
DEBATE	M. SOWMYA	MRIET	26/09/2014	1st Prize
TECHNICAL QUIZ	R S K PAVAN KUMAR	NRCM	11/09/2014	2nd Prize
Project Expo	KANDI NAGA RAJU, METTU SAINATH REDDY, TABREZ ALAM, RAVIKARAN DWIVEDI	DRKCE	07/03/2015	Best Project
CODE DEBUGGING	V.PRAVEEN KUMAR REDDY	ARJUN COLLEGE OF ENGINEERING AND SCIENCE	31/01/2015	2nd Prize

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

Incubation Center	Name	Sponsored By	Name of the Start-up	Nature of Start-up	Date of Commencement
<b>No Data Entered/Not Applicable !!!</b>					
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### 3.3 – Research Publications and Awards

#### 3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
<b>No Data Entered/Not Applicable !!!</b>		

#### 3.3.2 – Ph. Ds awarded during the year (applicable for PG College, Research Center)

Name of the Department	Number of PhD's Awarded
<b>No Data Entered/Not Applicable !!!</b>	

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

Type	Department	Number of Publication	Average Impact Factor (if any)
International	ECE	6	5.6
National	CSE	20	5.8
National	MECHANICAL	2	3
International	MECHANICAL	4	3.5
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#### 3.3.4 – Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year

Department	Number of Publication
CSECONFERENCE	8
<b>No file uploaded.</b>	

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

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citation
<b>No Data Entered/Not Applicable !!!</b>						
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#### 3.3.6 – h-Index of the Institutional Publications during the year. (based on Scopus/ Web of science)

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
<b>No Data Entered/Not Applicable !!!</b>						
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#### 3.3.7 – Faculty participation in Seminars/Conferences and Symposia during the year :

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	0	33	30	5
Presented papers	8	0	0	0
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### 3.4 – Extension Activities

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

Title of the activities	Organising unit/agency/ collaborating agency	Number of teachers participated in such activities	Number of students participated in such activities
Blood Donation Camp	NSS	80	322
Tree Plantation	NSS	92	410
No file uploaded.			

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

Name of the activity	Award/Recognition	Awarding Bodies	Number of students Benefited
No Data Entered/Not Applicable !!!			
No file uploaded.			

3.4.3 – Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year

Name of the scheme	Organising unit/Agen- cy/collaborating agency	Name of the activity	Number of teachers participated in such activites	Number of students participated in such activites
NSS	NRCM	Swatch Bharath	83	560
No file uploaded.				

### 3.5 – Collaborations

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

Nature of activity	Participant	Source of financial support	Duration
No Data Entered/Not Applicable !!!			
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3.5.2 – Linkages with institutions/industries for internship, on-the- job training, project work, sharing of research facilities etc. during the year

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration From	Duration To	Participant
PROJECTS , INT ERSHIPS	PRO-INTERN	SELLGLOBALLY	01/05/2015	30/06/2015	III Year
PROJECTS , INT ERSHIPS	INTERSHIPS	DRDO	07/06/2014	30/07/2014	III Year
INTERSHIPS	INTERSHIPS	RANE ENGINE VALVE Ltd	07/06/2014	30/07/2014	III Year
INTERSHIPS	INTERSHIPS	CITD	07/06/2014	30/07/2014	III Year
INTERSHIPS	INTERSHIPS	MAHINDRA AND MAHINDRA LTD	07/06/2014	30/07/2014	III Year

INTERSHIPS	INTERSHIPS	MAHAVIR MOTORS ADISHWAR AUTO DIAGNOSTICS PVT LTD	07/06/2014	30/07/2014	III Year
PROJECTS, INTERSHIPS	Project and Internship	VERTEX SOFT, Hyderabad	12/05/2015	25/05/2015	III Year
PROJECTS, INTERSHIPS	CRT CLASSES	GLOBARINA, HY DERABAD	16/01/2015	16/04/2015	III Year
INTERSHIPS	INTERSHIPS	DIESEL LOCOSHED, MOULALI	07/06/2014	30/07/2014	III Year
INTERSHIPS	INTERSHIPS	ACER	07/06/2014	30/07/2014	III Year
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3.5.3 – MoUs signed with institutions of national, international importance, other universities, industries, corporate houses etc. during the year

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
Krest Solutions Private Limited	11/02/2015	Industrial Training Knowledge Sharing	95
Project Store Private Limited	05/08/2014	Industrial Training Knowledge Sharing	46
Pan Tech Solutions Private Limited	16/09/2014	Industrial Training Knowledge Sharing	53
PES UNIVERSITY BANGLORE	01/12/2014	Industrial Training Knowledge Sharing	41
RANICHANAMMA University Belgavi, Bengaluru, India	01/07/2014	Industrial Training Knowledge Sharing	45
TATI University Jalan Panchur, Teluk Kalong	01/07/2014	Industrial Training Knowledge Sharing	43
ECO TECH INDUSTRIES	16/09/2014	Industrial Training Knowledge Sharing	52
VERTEX SOFT	12/08/2014	PROJECTS	50
TECHFORD	01/07/2014	INTERNSHIPS	35
VN CARRIER SOLUTIONS	10/12/2014	PROJECTS	50
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## CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

### 4.1 – Physical Facilities

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

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development
2700000	2634813



#### 4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Campus Area	Existing
Class rooms	Existing
Laboratories	Existing
Seminar Halls	Existing
Classrooms with LCD facilities	Newly Added
Seminar halls with ICT facilities	Newly Added
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#### 4.2 – Library as a Learning Resource

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

Name of the ILMS software	Nature of automation (fully or partially)	Version	Year of automation
New Zen Lib	Partially	3.1 beta1 discover	2014

##### 4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Others (specify)	7	11225	0	13260	7	24485
Digital Database	250	8360	0	0	250	8360
e-Journals	4500	140320	6000	78916	10500	219236
Text Books	28147	7156249	851	363546	28998	7519795
Journals	426	742870	68	204000	494	946870
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##### 4.2.3 – E-content developed by teachers such as: e-PG- Pathshala, CEC (under e-PG- Pathshala CEC (Under Graduate) SWAYAM other MOOCs platform NPTEL/NMEICT/any other Government initiatives & institutional (Learning Management System (LMS) etc

Name of the Teacher	Name of the Module	Platform on which module is developed	Date of launching e-content
Dr.Vaibhav Meshram	Participatory Learning and Action (PLA) Techniques	NA	17/11/2014
L.Phanikumar	Electrical Circuits	NA	15/12/2014
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#### 4.3 – IT Infrastructure

##### 4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MBPS/GBPS)	Others
Existing	450	11	130	1	1	6	14	100	0

Added	155	3	120	0	0	0	3	300	0
Total	605	14	250	1	1	6	17	400	0

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

1000 MBPS/ GBPS

4.3.3 – Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media centre and recording facility
L.Phanikumar	<a href="http://www.nrcmec.org/EEE-BestPractices.html">http://www.nrcmec.org/EEE-BestPractices.html</a>
Dr.Vaibhav Meshram	<a href="http://www.nrcmec.org/ECE-BestPractices.html">http://www.nrcmec.org/ECE-BestPractices.html</a>
M.MALLIKARJUN REDDY	<a href="http://www.nrcmec.org/CIVIL-BestPractices.html">http://www.nrcmec.org/CIVIL-BestPractices.html</a>

#### 4.4 – Maintenance of Campus Infrastructure

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

Assigned Budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurred on maintenance of physical facilities
2100000	2069910	2700000	2609886

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

The institution practices a policy of decentralization of authority for efficient look over, maintenance and best utilization of its available resources. The following initiatives are taken to implement the policy. i. The college has different committees which are made to look after the maintenance of garden, physical infrastructure, Internet and Wi-Fi facility, cycle stand, canteen, parking zone, hostel facilities, sports maintenance and library facilities etc. ii. For the maintenance and repair of computers, the college takes assistance of special technical Experts iii. Electrification and water supply system of the institution is being regularly monitored and maintained. Professor in charges deployed to look after the maintenance and repair of the physical infrastructure of the college like Gardens, canteen, sports ground, library, toilet, girls common room, gymnasium etc.

[www.nrcmec.org](http://www.nrcmec.org)

### CRITERION V – STUDENT SUPPORT AND PROGRESSION

#### 5.1 – Student Support

5.1.1 – Scholarships and Financial Support

	Name/Title of the scheme	Number of students	Amount in Rupees
Financial Support from institution	Scholarship	124	835600
Financial Support from Other Sources			
a) National	Scholarship	955	38417650
b) International	0	0	0

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

Name of the capability enhancement scheme	Date of implementation	Number of students enrolled	Agencies involved
Remedial classes	23/02/2015	215	NRCM
Personal Counselling Mentoring	16/08/2014	580	NRCM
Campus Recruitment Training (personality development)	16/01/2015	50	GLOBARINA, HYDERABAD
Advanced Communication Skills lab	29/12/2014	140	JNTUH
Soft Skill Development	16/09/2014	248	Globarina Technologies, Hyd
Remedial classes	07/06/2015	4	NRCM
Remedial classes	12/09/2014	157	NRCM

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

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passed in the comp. exam	Number of students placed
2014	CRT	375	375	57	131
2015	Higher Education and Training course (PGCET)	24	24	8	8

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

Total grievances received	Number of grievances redressed	Avg. number of days for grievance redressal
7	3	2

## 5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Name of organizations visited	Number of students participated	Number of students placed	Name of organizations visited	Number of students participated	Number of students placed

MPHASIS	51	6	PRATIAN TECHNOLOGIES	21	7
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#### 5.2.2 – Student progression to higher education in percentage during the year

Year	Number of students enrolling into higher education	Programme graduated from	Depratment graduated from	Name of institution joined	Name of programme admitted to
2015	24	B.Tech	CSE	MRCE, CMRIT, IARE	M.Tech
2015	12	B.Tech	ECE	MLRIT, CMREC, CMRIT	M.TECH(ES, VLSI)
2015	8	B.Tech	EEE	NRCM	M.Tech (Power Electronics, Power System and Embedded)
2015	12	B.Tech	ME	MLRIT, CMREC, CMRIT	CAD CAM, THERMAL ENGINEERING
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#### 5.2.3 – Students qualifying in state/ national/ international level examinations during the year (eg:NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services/State Government Services)

Items	Number of students selected/ qualifying
GATE	9
GRE	28
Any Other	39
TOFEL	2
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#### 5.2.4 – Sports and cultural activities / competitions organised at the institution level during the year

Activity	Level	Number of Participants
Cricket	Intercollegiate	13
Football	State Level	10
Vollyball	State Level	9
Basketball	University Level	3
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### 5.3 – Student Participation and Activities

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

Year	Name of the award/medal	National/ Internaional	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
2014	Winner	National	1	0	12X01A0480	S.Sai Kumar

2014	1st Medal	National	1	0	12X01A0465	T.Mahender
<a href="#">View File</a>						

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

College creates a platform for the active participation of the students in the various academic administrative bodies including other activities. NRCM had a Council of Class Representatives, with each CR elected by the respective class. There was no further hierarchy within the Council and all CRs were considered equal in role and position. One or the other CRs represented the students in all academic and administrative bodies. The student members bring forward the views and suggestions of the entire class with respect to the faculty, subjects, syllabus and other things related to the class. The Student Council helps students share ideas, interests, and concerns with lecturers and principal. Every department has an active student association consisting of student members. The constitution of the student association comprises Chairmen, Vice Chairmen, Secretary, Joint Secretary, Treasurer and student council members. The association is monitored by senior faculty members who are responsible for the smooth conduct of the association meetings and events. The student association plays a dominant role in many activities related to sports and other co-curricular Extra Curricular activities of the department and the students. Various co-curricular activities organized by the association include Special Lectures by experts, Seminars, Workshops, Symposium, National Level Conference and Intercollegiate meet to develop the personality and skills of the student's ability. Eminent speakers and industrialist deliver speeches on topics relevant to current educational scenario. Student members of the associations also observe important days like National Festivals, Birth/Death Anniversaries of important leaders, International Women's Day, International Yoga Day, Sports Day, Non-violence Day, Teachers Day, Freshers Day, Farewell Party, World Literacy Day, World AIDS Day, World Kidney Day etc. They also organizes cultural festivals like Traditional Day, College Annual Day, etc.. Students from each department participate in class committee meeting and faculty feedback will be given.

#### 5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

Alumni Association is an official unit of the Institute with the primary objective to strengthen alumni connections with their Alma Mater and to promote the establishment of alumni chapters at different geographical locations having an adequate congregation of alumni. One of the objectives of the association is to develop a mutually supportive relationship with alumni so as to encourage lifelong learning and continued growth of the alumni and at the same time provide opportunities to alumni to contribute in their own way to their Alma mater. The Goals are to: 1. Enhance employment and internship opportunities and help current students receive mentoring support from the Alumni 2. Inspire, Motivate and educate young minds through Guest Seminars/Workshops 3. Collaborate and support Technology Business Incubation 4. Raise funds to support social causes such as Educational sponsor and Environmental awareness 5. Upkeep and uplift the reputation of the College The link for NRCM page is <https://www.facebook.com/nrecnrcm/>. Every DAB has two Alumni members who meet every year and contribute to identifying curricular gaps and arranging guest lectures and mentoring sessions for career and interpersonal skills have been given by our Alumni in the past 3 years. Experiences that are shared by our alumni with students in time management, financial management, development of self-discipline and character, or in career management are more easily accepted

as guidance and inspire students to follow. We also have a practice of organizing Mock Interviews for our final year students before they start attending their placement drives. We also have initiated an Alumni Expert Talk, wherein departments bring in their Alumni to share their expertise with juniors. Alumni Meet is organized every year mostly in the month of March. We are really proud of its brilliant alumni who are currently positioned all over the globe and have distinguished themselves in all spheres of high-end engineering and technology.

5.4.2 – No. of enrolled Alumni:

35

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

100000

5.4.4 – Meetings/activities organized by Alumni Association :

4

## **CRITERION VI – GOVERNANCE, LEADERSHIP AND MANAGEMENT**

### **6.1 – Institutional Vision and Leadership**

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

The institution has decentralized and transparent mechanism in management, administration, financial and academic affairs. The institution believes in delegating appropriate responsibilities from the top level management to low level and allows the top management to focus on policy making and major decisions. The Governing Body constitutes the members of the Management, Representative from JNTUH, Principal and two senior most faculty. The Governing Body has the Principal as the member secretary besides Research, Academic Administrative committees and IQAC who also participate in the highest decision making body of the institution. The Principal, who is part of the Governing Body participates along with management faculty member in the Governing Body. Besides decentralization is ensured through the approvals provided by the Governing Body to the Perspective Plan and the Budget. Once the approvals are given, the Heads of the Department are free to take all decisions related to governance, academics, evaluation etc. various committee are set up with the faculty as conveners and student representatives, who take decisions on a variety of issues through committees. Thus there is participative management and decentralization of governance and power. The IQAC of the College plays a pivotal role in quality assurance, sustenance and enhancement through visioning and deployment besides review for quality assurance. The decentralized mechanism exists even at the department levels. Decisions at department levels are taken by well-structured committees. The Principal subsequently drives the resulting policy, strategy, resource allocation, and operations through the Governing body. Societal impact and responsibility are assigned prime importance such that the Institute contributes to sustainable socio-economic development through globally competitive standards. Based on the academic situation of the institution, the management conducts review meeting and performance appraisal meeting with Principal, HODs and staff members. The management looks after the buildings, infrastructure, human resources and other college developmental activities. The academic council and IQAC play a pivotal role. The budget is approved and funds are allotted as per the needs of the departments. Programs related to goal setting and value acquisitions for both technical and moral are planned in advance and carried out to the students through college calendar, website and department meetings. There is proper planning, implementation and review analysis. The learning ambience enhances

the delivery of educational content like knowledge, skills and human values. The internal audit procedure helps the institution achieve quality performance. The institution is keen on the faculty members in participating in conferences and seminars both at the state and National levels. The feedback system facilitates the top level management to make sure of the application of student oriented and need-based learning procedures and programs. Action plans are prepared under the guidance of the Principal, by the HOD's to fulfill the strategic plan of the institution. Action plan helps the institution to decide the funding, evaluation, appreciation, research for its growth and making the employees a part in taking operational decisions and provide code of conduct for teachers with regard to work schedule.

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

Yes

## 6.2 – Strategy Development and Deployment

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

Strategy Type	Details
Curriculum Development	<ul style="list-style-type: none"> <li>• Value-added courses imparting transferable and life skills to be conducted</li> <li>• To motivate students to undertake field projects and internships.</li> <li>• To conduct programs on contemporary themes to address the gap between industry and academia.</li> <li>• To conduct programmes on cross cutting issues relevant to gender, environment sustainability, human values, professional ethics etc.,</li> <li>• To conduct guest lecture on elective subjects</li> <li>• To enhance the alumni database and increase their participation in the progress of the students/institution</li> </ul>
Teaching and Learning	<ul style="list-style-type: none"> <li>• To train faculty on emerging trends in TLP / subjects by conducting in house FDP or by deputing to programs</li> <li>• To encourage faculty to adopt ICT enabled innovative teaching/evaluation methods.</li> <li>• To motivate advanced learners to participate in national / state level seminars, conferences, competitions, competitive exams and pursue professional courses.</li> </ul>
Examination and Evaluation	<p>Since the college is affiliated, examination and evaluation are as per university regulations.</p> <ul style="list-style-type: none"> <li>• Two sets of question paper for each subject irrespective of common subject</li> <li>• Principal selects one among the two question paper given by faculty on the date of exams</li> </ul> <p>Confidential Continuous assessment in theory subjects: As per the JNTUH regulations, the marks allotted for internal exams are 25 and external exams are 75. In this frame work, the college conducts Mid exams as</p>

specified pattern consisting of Objective Question and Descriptive questions. The Objective Question Paper (10 marks) with Multiple choice and fill in the blank questions are given by university. Descriptive Question Paper (10 marks) is given by faculty. Assignments 5 marks comprises of written assignments. Marks will be awarded for all the above activities and the average is taken as the internal marks. • Continuous assessment in practical subjects: For practical subjects, there shall be a continuous evaluation during the semester for 25 sectional marks and 50 end examination marks, Out of the 25 marks for internal, 15 marks are given to day-to-day evaluation to assess student performance which includes regularity, Observation book submission, procedure, calculations and graphs in terms of result, viva and promptness in submission of records in the laboratory and 10 marks for conduct of Internal lab exam institutions.

Research and Development

To motivate faculty to enroll /complete doctoral programmers obtain research guide ship and submit the research proposals to funding agencies • To provide seed funding assistance to faculty members for promoting research culture. • To increase admissions in research programmers • To motivate faculty members to publish research papers in the UGC approved referred journals, SCOPUS indexed journal, books etc., • To provide incentive to faculty members who receive state, national and international recognition/awards. • To motivate faculty and students to participate in extension activities with Government Organizations and Non-Government Organizations.

Library, ICT and Physical Infrastructure / Instrumentation

The college has a central library with over 28998 volumes of Text/ Reference/ Hand Books. Library subscribes more than 494 national journals and has also large number of e-resources in the form of DVDs and CDs apart from Reports/ Thesis/ Dissertations. The library operations are fully automated. Library also provides suitable reprographic facilities to students and teachers. A well equipped library is an icon of quality education in its supreme form. To begin with the central library is in



sync with the latest in technology, offering a balanced combination of print and digital collections. The library is Wi-Fi and RFID enabled( a technology facilitating self-service of books in areas like issue of books, return, renewal, reissue, reservation and security management), offering the latest state-of-the-art technological applications including e-books, e-journals, to maximize the use and ease of library resources. Students at the library can delve into a whole range of text books, reference books and general reading material for enriching his/her mind and intellect. The central library is the heart of the campus. With dedicated sections like Discussion Rooms, Audio Visual Rooms, Digital Library and a separate enclosure for Research and Reference, the central Library is slowly but surely inculcating a reading habit among their young restless.

Human Resource Management

- Selection of teacher in our college was done by non discriminatory screening and selection criteria, designed to measure the qualified candidates to the particular post.
- Recruitment positions are co-ordinate by Principal and Head of the department.
- The head of the department utilize a committee to review and screen applications, interview and Recommend a list of suitable candidates for the position. Copies of resumes of the applicants are provided to members of committee.
- Individual candidate evolution process is done by taking a demo lecture of the candidate, and considering the previous experience, the financial decision for the selection was done and offer the employment. Based on the acceptance of the candidate appointment letter will be issued.

Industry Interaction / Collaboration

MOU is for collaboration between both parties, for mutual benefit to enhance quality of the educational experience for students of the college. Both parties shall take all reasonable steps to ensure successful completion of the collaboration and cooperate with each other in duly carrying out the obligation agreed upon. The Institute will have to bear all expenses such as providing infrastructure, network and Internet access and other facilities

required for the education and training. Both parties shall maintain confidentiality about any information, plans, discussions, strategies or any material which shall be deemed to be confidential and marketed accordingly. Both parties will be regularly in touch with each other and explore setting up/development of, related research projects in the college/industry.

Admission of Students

B. TECH: Admissions to B. Tech is done through a common entrance test (EAMCET) conducted by the State Government. The minimum qualification for admission to first year of the B. Tech course is a pass in the Intermediate (10 2) conducted by the board of Intermediate education, or any other examination recognized as equivalent thereto with Mathematics, Physics and Chemistry as optional subjects. • 70 of the seats are allotted based on the merit in the EAMCET. • 30 of the seats are earmarked for Management/NRI candidates. • In addition to the above, Diploma holders are admitted in second year of B. Tech to the extent of 20 of intake based on the merit in the ECET, under lateral entry scheme. M. TECH: Admission to the above program shall be made subject to eligibility, qualification and specialization as prescribed by the University from time to time. Admissions shall be made on the basis of merit/rank obtained by the candidates at the qualifying Entrance Test conducted by the University or on the basis of any other order of merit as approved by the University, subject to reservations as laid down by the Govt. from time to time. The minimum qualification for admission to first year of the M.Tech is a pass in B.Tech course (10 2 3). • 70 of the seats are allotted based on the merit in the PGCET/GATE. • 30 of the seats are earmarked for Management/NRI candidates  
MBA: The minimum qualification for admission to first year of the MBA is a pass in undergraduate course (10 2 3). • 70 of the seats are allotted based on the merit in the ICET. • 30 of the seats are earmarked for Management/NRI candidates

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

E-governance area	Details
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<p>Administration</p>	<p>The apex body of the organization is the governing body, which is financial, administrative and quality systems policy making body under which the entire college functions are being organized and controlled. This committee meets many times in an academic year depending on the college issues and it will meet a minimum of 2 times in an academic year. The Chairman and Principal are the functionaries who take the responsibility of implementing the policy decision of the governing body. The Principal has the executive powers to administer the academic, development, and other functions based on the guidelines prescribed by him.</p> <p>There are 6 academic departments directly reporting to the Principal as line management organs. Each department is headed by Departmental Head below whom all Teaching, Non Teaching and Technical staff are functioning.</p>
<p>Planning and Development</p>	<p>Planning and Development, Administration, Finance and Accounts through the implementation of College Management System.</p> <ul style="list-style-type: none"> <li>• To sponsor for faculty to attend conference/workshop/seminars etc</li> <li>• To conduct professional development programs for teaching/non-teaching staff</li> <li>• To conduct academic /administrative audit to increase the number of quality initiatives</li> </ul> <p>Planning and Development : Other than the prescribed syllabus by JNTUH, IQAC ensures that faculty identifies gaps and topics beyond the syllabus.</p> <ul style="list-style-type: none"> <li>• The identified topics are further well scrutinized by department Quality Assurance Committee (DQAC) and are henceforth implemented.</li> <li>• Course objectives are mapped with the course outcomes. The results of mid exams were mapped with course outcomes and the achievement levels are indexed.</li> </ul>
<p>Finance and Accounts</p>	<p>Being a Self- Financing Institution, the College Management has constructed all the imposing buildings with state-of-the-art facilities. It has supplied it with the latest equipments and resources. The remuneration of all the staff is also taken care of by the Management. It also spends a considerable amount by the way of concession to the deserving students. The College generates income from</p>

various means, by the way of, • Collection of Tuition Fees from the students • Collection of Bus Fees from the students • Collection of Hostel/Mess Fees from the students • Income earned as Examination Centre for various other institutions. The income generated through the Bus Fees and Hostel/ Mess Fees are utilized for the intended purposes. Hence, the Tuition Fees collected serve as the main source of income. Apart from this, the Management also sanctions funds for the conduct of Seminars, Guest Lectures and Conferences. The Management also provides transportation facilities and food/ refreshments to all the resource persons and participants of such functions. The College has a sound background, run by a Management that is generous and prosperous. Hence, the Management is competent enough, in terms of financial resources, to supply to all the needs of the College for the implementation of autonomy. It will strive to not only adhere to the literal meaning of autonomy, but also give shape to its vision, realizing the real intent behind the same.

Student Admission and Support

- To disseminate information related to scholarships to every student to avail the same and to explore the possibility of obtaining scholarship/sponsors from industries
- To conduct capability enhancement and development programs such as soft skills training, Professional skills, yoga, self-defense etc
- To encourage students to participate in intercollegiate activities Viz. Quiz, Debates, sports and other events.
- To conduct career guidance program, awareness session on opportunities for higher studies/ placement motivation, entrepreneurial avenues, competitive exams etc.
- To provide placement training and increase the campus placement

Examination

Internal assessment For theory subjects the distribution shall be 25 marks for Internal Assessment and 75 marks for External Assessment. For theory subjects, during a semester there shall be 2 midterm examinations. Each midterm examination consists of one objective paper, one descriptive paper and one assignment. The objective paper and the descriptive paper shall be for

10 marks each with a total duration of 1 hour 20 minutes (20 minutes for objective and 60 minutes for descriptive paper). The objective paper is set with 20 bits of multiple choices and fill-in the blanks for a total of 10 marks. The essay paper shall contain 4 full Questions out of which, the student has to answer 2 questions, each carrying 5 Marks. While the first mid-term examination shall be conducted on 1 to 2.5 units of the syllabus, the Second mid-term examination shall be conducted on 2.5 to 5 units. Five (5) marks are allocated for Assignments (as specified by the subject teacher concerned). The first Assignment should be submitted before the conduct of the first mid-examination, and the second Assignment should be submitted before the conduct of the second mid-examination. The total marks secured by the student in each mid-term examination are evaluated for 25 marks, and the average of the two mid-term examinations shall be taken as the final marks secured by each candidate. For practical subjects there shall be a continuous evaluation during a semester for 25 marks for internal and 50 marks for end semester examination. Out of the 25 marks for internal evaluation, day-to-day work in the laboratory shall be evaluated for 15 marks and internal practical examination shall be evaluated for 10 marks conducted by the laboratory teacher concerned. External assessment i) The End semesters Examination will be conducted for 75 marks which consist of two parts viz. i). Part-A for 25 marks, ii). Part -B for 50 marks. ii) Part-A is compulsory question which consists of ten sub-questions. The first five sub-questions are From each unit and carries 2 marks each. The next five sub-questions are one from each unit and Carries 3 marks each iii) Part-B consists of five Questions (numbered from 2 to 6) carrying 10 marks each. Each of these Questions are from one unit and may contain sub-questions. For each question there will be an "Either" "or" choice (that means there will be two questions from each unit and the student should Answer any one question) The end semester examination for 50 marks shall be conducted with an

external examiner and the laboratory teacher. The external examiner shall be appointed from the clusters of colleges which are decided by the examination branch of the University.

### 6.3 – Faculty Empowerment Strategies

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

Year	Name of Teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
2014	.Dr. FERNANDES DIMLO U M	Finite language and automata theory	NA	1000
2014	N.SRINIVASA RAO	INTERNATIONAL CONFERENCE ON Innovations in Electrical and Electronics Engineering	NA	1000
2015	.P.ASHOK BABU	Work shop on Digital VLSI System Design using Verilog HDL	NA	750
2015	V RAJANI, B PRAVEENA	ENGINEERING MATHEMATICAL APPLICATIONS	NA	600
2015	Mr. G SATISH KUMAR	NATIONAL LEVEL WORKSHOP on FEM	NA	600

[View File](#)

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

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
2014	FDP on Practical Electromagnetics for modern antenna design using AVSYS HFSS	NA	13/10/2014	17/10/2014	30	0
2014	Workshop on Arduino	NA	30/12/2015	31/12/2015	27	0

	based Robotics					
2014	Workshop on finite element analysis	NA	11/09/2014	12/09/2014	35	0
2014	FDP on Autocad	NA	18/02/2014	19/02/2014	32	0
2014	FDP on Applied mathematics in engineering	NA	20/09/2014	21/09/2014	30	0
2014	FDP on Engineering trends in nanotechnology	NA	20/10/2014	21/10/2014	30	0
<a href="#">View File</a>						

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

Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration
A TWO DAY NATIONAL LEVEL WORKSHOP ON ENGINEERING DRAWING	24	12/09/2014	13/09/2014	2
A ONE DAY WORKSHOP ON COMPUTATIONAL FLUID DYNAMICS FOR PUMP DESIGN AT PSG COLLEGE OF INSTITUTE COIMATORE	2	10/10/2014	10/10/2014	1
WORKSHOP ON DIGITAL VLSI SYSTEM DESIGN USING VERILOG HDL	2	04/01/2015	10/01/2015	7
LABVIEW FOR TEACHING RESEARCH APPLICATION	3	23/06/2014	28/06/2014	6
WORKSHOP/MATLAB AND ITS APPLICATIONS	1	27/08/2014	28/08/2014	2
INTERNET OF THINGS WITH	40	23/02/2015	28/02/2015	6

RASBERRY PI AND NETWORK SIMULATOR			
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6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
183	183	19	19

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
Maternity leave, Transportation concession	PF	Scholarships

**6.4 – Financial Management and Resource Mobilization**

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

The objective of conducting Internal and External audit is to locate discrepancies in the accounting process. The internal audit is done interdepartmental members. The external audit is conducted by registered chartered Accountants. Internal Audit is conducted twice in a year and the external audit conducted once in a year. Provision of departmental budget is followed and the optimal utilization of funds and the monitoring of the budget is done through Internal and External Audit. After the internal audit is conducted and the discrepancies are located .The internal audit report is submitted to the Chairman of IQAC. Principal of the college is the Chairman of IQAC and reviews the internal audit report and takes the necessary steps for follow-up action. The Chairman IQAC, will review the internal audit report with all the IQAC members and then will direct the Accounts Officer to make the necessary corrections. The Accounts Officer on the directions of the Chairman IQAC will rectify the discrepancies identified and will submit the corrected audit report to the Chairman IQAC. Financial rules are implemented in the college. No-Cash transaction is encouraged. An effective financial management system is followed which ensures that no financial mismanagement takes place and care is taken to follow the best accounting practices. Audited financial statements including Income and Expenditure details, Audited Reports are prepared by a qualified External Auditors who are certified Chartered Accountants and then the same is filed in the Income-Tax Department.

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

Name of the non government funding agencies /individuals	Funds/ Grnats received in Rs.	Purpose
TCS	433606	online examinations
<a href="#">View File</a>		

6.4.3 – Total corpus fund generated

5000000
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**6.5 – Internal Quality Assurance System**

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

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority



Academic	Yes	JNTUH	Yes	Institutional Committee
Administrative	Yes	JNTUH	Yes	Institutional Committee

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

Parents are regularly invited to discuss the need / problem / progress of their wards. Feedback from parents is collected in the prescribed format, analyzed and used for further development.

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

1. Encouraged to go for continuing education 2. Industrial training during summer vacation is allowed to improve their special skills 3. Encouraged to go for non formal courses.

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

NA

6.5.5 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	Yes
b) Participation in NIRF	No
c) ISO certification	Yes
d) NBA or any other quality audit	No

6.5.6 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
2014	National level Technical Symposium	05/06/2014	25/06/2014	27/06/2014	43
2014	guest lecture/workshop	05/06/2014	12/08/2014	15/08/2014	82
2014	MoUs with companies	05/06/2014	15/05/2015	15/05/2015	10
2015	Work shop, Conferences, seminar etc for faculty	22/01/2015	13/04/2015	17/04/2015	56
2015	Social welfare Activities	22/01/2015	18/03/2015	27/03/2015	120

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**CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES**

**7.1 – Institutional Values and Social Responsibilities**

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

Title of the programme	Period from	Period To	Number of Participants

			Female	Male
Seminar on Gender Sensitization	29/08/2014	30/08/2014	80	40
Self-Defense Workshop for girls organized by NSS	15/11/2014	15/11/2014	300	0

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

Percentage of power requirement of the University met by the renewable energy sources
We are planning to implement the renewable energy sources like SOLAR SYSTEM.

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	0
Ramp/Rails	Yes	0
Rest Rooms	Yes	0
Scribes for examination	Yes	0

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
2014	1	1	14/11/2014	1	Swachha Bharath	Cleanliness	250
2015	1	1	14/02/2015	1	Food Medicine Distribution to HIV Children	Health Awareness	50

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7.1.5 – Human Values and Professional Ethics Code of conduct (handbooks) for various stakeholders

Title	Date of publication	Follow up(max 100 words)
Service rules	12/08/2014	Responsibility and Accountability 1. Teachers should handle the subjects assigned by the Head of the Department 2. Teachers should complete the syllabus in time. Teachers shall produce good results in the subjects handled by them

and are accountable for the same. 3. Teachers shall monitor the respective group of students who are attached to them. 4. Assignment topics for each course are to be given to the students within a week of the beginning of the semester. 5. Assignments should be written in Answer Booklets. The Answer Booklets are to be collected from the students in time and returned to the students after correction. 6. Teachers should be good and they should help, guide, encourage and assist the students to ensure that the Teaching-Learning Process is effective and successful. Value based education must be their motto. 7. Teachers should maintain decorum both inside and outside the classroom and set a good example for the students. 8. Teachers should carry out other academic, co-curricular and organizational activities that may be assigned to them from time to time. Punctuality and Attendance 1. Teachers must report in time to duty as per the working hours prescribed and should be available in the campus unless and otherwise they are assigned duties elsewhere. 2. Prior written permission should be obtained for reporting late in the morning or leaving early in the evening without detriment to their duties. 3. Teachers should sign the attendance register as well as register their attendance biometrically while reporting for duty.

4. Teachers must be aware that their workload is 40 hours a week even though their maximum class hours are only 20 per week. 5. Teachers are expected to be present in the college campus atleast 10 minutes before the College time. 6. Teachers should remain in the campus till the end of the College hours.

#### 7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Ethnic Day	10/02/2015	10/02/2015	600
Teachers Day celebrations	05/09/2014	05/09/2014	250
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#### 7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)

Water supply monitoring Sewage treatment monitoring Waste management Fresh air circulation improvement in class rooms and seminar halls • Traffic and security monitoring using image data analysis from CC cameras Internal electrical safety audit

### 7.2 – Best Practices

#### 7.2.1 – Describe at least two institutional best practices

**Practice 1** Title of the Practice: Innovative Teaching and Training for overall development Goal: The aim of this practice is to develop positive environment where students and teachers can share innovative ideas and their skills to meet the industrial challenges. The Context: The Institute offers different graduate and post-graduate programmes in Engineering, and Management studies. The quality of teaching is fundamental requirement for excellence and therefore the Institute opts innovative teaching and training practices for students. The Practice: Classrooms and laboratories are ICT Enabled, Industrial visits, expert lectures, workshops, seminars, conferences, etc. The Institute provides financial assistance to faculty members to attend national and international conferences Evidence of Success a. Continuous improvement in academic results b. Excellent alumni and employer feedback Problems Encountered and Resources Required To provide training along with university curriculum is tough task due to extensive syllabus, lack of awareness of the students about changing industrial environment and needs, and picking up the right professionals for soft skill development is a phenomenal task Lack of motivation toward entrepreneurship As far as required resources are concerned, the affiliating university should incorporate training on soft skills, employability skills and entrepreneurial programmes in its curriculum. **Practice: 2** Title of Practice: Employability and Skills Development Goal: To develop the most employable and skilled human resources with the ability to adapt to an intellectually and technologically changing environment. The Context: To groom the students as professionals with technical expertise and professional ethics. As the need of the industry is continuously changing to cop up with the global challenges they also have an expectation from institutes to provide industry ready men power. The Institute has to maintain the continuously growing placement record and needs to upgrade the trainings as per industry suggestions. The Institute has

nurtured the placement cell as Professional management cell (PMC) to complement the requirement of holistic development of the students not only for on campus placements but also for other competitive examinations for higher education, research jobs, government sector jobs, etc has different cells like EDC, PDC,TP cell, etc.

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

### 7.3 – Institutional Distinctiveness

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

NRCM has its own unique and distinct features. As the years progressed, along with the initial goals like achieving academic excellence, the Institute has taken up research and placements as its distinctive activity in line with Vision and Mission. Student Achievements: The Training and placement Cell is committed to provide all possible assistance to its students in their efforts to find employment. The Institute has promoted conduction of various FDPs/ Seminar/ Workshops/ Conferences through the research centers to further strengthen research activities. Our college has encouraged Faculty and students to do the Online Courses .To encourage research, publications, patents and consultancy the institute has well defined policies and has being providing rewards and incentives. NRCM provided "Innovation club", to express their ideas and improve their technical skills and conducted technical skills like, debates, symposium, workshops etc.

Provide the weblink of the institution

<http://www.nrcmec.org>

### 8.Future Plans of Actions for Next Academic Year

- To submit NAAC application
- To prepare for NBA Accreditation of eligible branches.
- To improve the quality of students intake.
- To improve academic performance in B.Tech courses
- To improve campus placements in core areas