

The Annual Quality Assurance Report (AQAR) of the IQAC
2017 – 2018



Submitted by

Internal Quality Assurance Cell [IQAC]

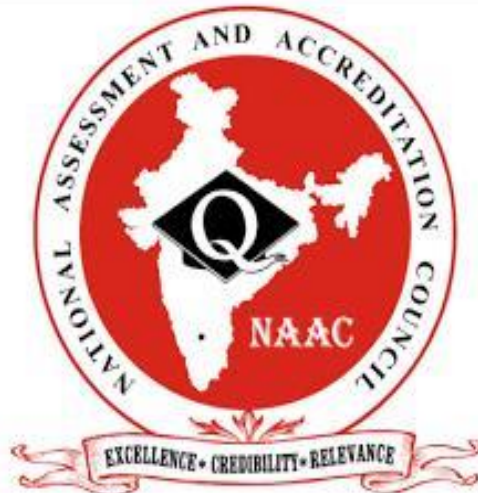
NARSIMHAREDDY ENGINEERING COLLEGE

Maisammaguda (V), Kompally, Secunderabad, Telangana - 500100, India

Approved by AICTE, New Delhi and permanently affiliated to JNTUH, Hyderabad recognized under 2(f) & 12(B) by UGC, Accredited by NAAC-UGC with A-Grade and NBA, an ISO 9001: 2008 certified institution

Accredited by NAAC with 'A' Grade

Submitted to



National Assessment and Accreditation Council (NAAC)

(An Autonomous Institution of the University Grants Commission)

P. O. Box. No. 1075, Nagarbhavi

Bengaluru - 560 072

Sy. No. 518, Maisammaguda (V), Dhulapally (P)
Near Kompally, Medchal (M), Secunderabad - 500 100.
Ph : 040-29705454 / 55, Mob: 9949092454, 9300995454
Email: nrengineeringcollege@gmail.com, principal@nrcmec.org
www.nrcmec.org

NARSIMHA REDDY ENGINEERING COLLEGE

Permanently Affiliated to JNTUH - Approved by AICTE, New Delhi
ACCREDITED BY NBA & NAAC WITH A-GRADE, UGC 2(F) & 12(B)

To

The Director
National Assessment and Accreditation Council (NAAC)
(An Autonomous Institution of the University Grants Commission)
P. O. Box, No. 1075, Nagarbhavi
Bengaluru - 560 072

Sir,

Sub: Submission of Annual Quality Assurance Report (AQAR) for the year 2017-18 - Reg.

Reference: EC (SC)06/A&A/029 Dated 01-05-2015

Warm greetings from Narsimha Reddy Engineering College (NRCM)

The Narsimha Reddy Engineering College (NRCM) has been approved by AICTE, New Delhi and permanently affiliated to JNTUH, Hyderabad recognized under 2(f) & 12(B) by UGC, Accredited by NAAC with A Grade and NBA, An ISO 9001: 2008 certified institution. NRCM offer 5 UG and 5 PG Courses.

We are hereby submitting Annual Quality Assurance Report (AQAR) for the year 2017-18 through E-mail. We request you to kindly consider our AQAR submission and acknowledge the same.

Thanking you

With regards

Principal

(Dr. P. Sakhar Babu)

PRINCIPAL

NARSIMHA REDDY ENGINEERING COLLEGE
Survey No.518, Maisammaguda (V), Dhulapally (P)
Medchal (M), Medchal District, Hyderabad-500100



The Annual Quality Assurance Report (AQAR) of the IQAC

Part – A

Data of the Institution

1. Name of the Institution : Narsimha Reddy Engineering College
- Name of the Head of the institution : Dr P. Sekharbabu
 - Designation : Principal
 - Does the institution function from own campus : Yes
 - Phone no./Alternate phone No. : 040-29705454,
 - Mobile No. : 9949092454, 9000995454
 - Registered e-mail : principal@nrcmec.org
 - Alternate e-mail : iqacordinator@nrcmec.org
 - Address : Survey No.518, Maisammaguda Village,
Dhulappally Post, Near Kompally
Secunderabad, Telangana, 500100 India
 - City/Town : Secunderabad
 - State/UT : Telangana
 - Pin Code : 500100
2. Institutional status:
- Affiliated / Constituent : Permanently Affiliated JNTUH Hyderabad
 - Type of Institution : Co-education
 - Location : Rural
 - Financial Status : UGC 2f and 12 (B)/ Self financing
 - Name of the Affiliating University : JNTUH Hyderabad
 - Name of the IQAC Co-ordinator : Dr. V. P. Venkataramanurthy
 - Phone no. : 040-29705454
 - Alternate. Mobile phone No. :8838998353, 9000995454
 - IQAC e-mail address : iqacordinator@nrcmec.org
 - Alternate Email address : vpvmurthy@gmail.com

3. Website address: www.nrcmec.org

Web-link of the AQAR: (Previous Academic Year):

http://www.nrcmec.org/pdf/IQAC-cell/AQAR_2016-17.PDF

4. Whether Academic Calendar prepared during the year? Yes ...Web-link ...www.nrcmec.org

5. Accreditation Details:

Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1 st	A	3.04	2015	From 01/05/2015 to 30/04/2020

6. Date of Establishment of IQAC : 17/08/2015

7. Internal Quality Assurance System

7.1 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
Regular meeting of IQAC and preparation of AQAR	Dec 2017	All the students
Feedback from all stakeholders collected analysed and used for improvements	March 2018	Alumni, parent, Employer, faculty, students
Academic Administrative Audit (AAA) conducted and its follow up action	Dec 2018	Principal and management
Participated in times of India ranking	2018	All the students
ISO Certification	2017	All the students
NBA etc.	2017, Three years	CSE and MECH students

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
--	--	--	--	--

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

*uploaded latest notification of formation of IQAC

www.nrcmec.org

10. No. of IQAC meetings held during the year: 2

The minutes of IQAC meeting and compliance to the decisions have been uploaded on the institutional website.... Yes

www.nrcmec.org

11. Whether IQAC received funding from any of the funding agency to support its activities during the year? No

12. Significant contributions made by IQAC during the current year

- 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
- Supported in accreditation of UG programmes by NBA
- Encouraged e-learning by making the students apply for online web and video courses provided by National Programme on Technology Enhanced Learning (NPTEL)
- Activities through NPTEL Local Chapter to promote the online certification among the students as well as faculty members.
- Conducting campus recruitment training program to the students for improving success rate in campus interviews.
- Establishing the linkages with Industries to strengthen Industry Institute Participation
- Enhanced library facilities by subscribing more e-journals and procurement of additional books
- Through ISR activities more avenues have been created for the students to engage in community services
- Sensitizing students to ecological and environmental issues

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

Plan of Action	Achievements/Outcomes
Curricular Aspects	To introduce more number of Elective subjects
	To conduct value added courses, in plant training, industrial visit
	To introduce guest lecture, Novel student projects
	To teach content beyond the syllabus, curriculum feedback -Student Satisfaction Survey
Teaching, Learning and Evaluation	To enhance the practical exposure of faculty members through industrial training / workshops / FDPs.
	Motivating the faculty members to pursue Ph D on part-time / full time basis with monetary benefits.
	To enhance the teaching skills of the faculty members through ICT training programmes and work shop on new teaching methods
	To improve student performance
Research, Innovations and Extension	To publish more research papers in the SCI and Scopus Index journals.
	To submit more proposals to various funding agencies.
	To enhance consultancy and testing services offered by the Institute.
	To implement innovative ideas generated during 2017-2018, on fortnight basis.
Infrastructure and Learning Resources	To purchase more standard text books in all the disciplines.
	To enhance the server facilities for more data storage and improve MIS and report generation.

	To complete the construction of new girls hostel
Student Support and Progression	To increase the number of students qualifying in GATE / GRE / IELTS / GMAT / CAT.
	To increase the industry-oriented students project to 30%.
	To Introduce indicators to encourage the students to participate in community and extension activities through various clubs and associations.
Governance, Leadership and Management	To provide mentoring support to the faculty members.
	To motivate the faculty members to pursue higher studies and arranging skill up gradation programmes to non-teaching staff members.
	To inculcate ethical responsibilities among the students through in-house programmes and club-activities.
	To facilitate IPR creation to the students, executing novel projects during annual inter-collegiate symposium
	To undertake the developmental activities of the nearby schools by providing training / providing access to the resources.
Institutional Values and Best Practices	To empower the students to organize departmental events
	To maintain the gender balance in the faculty and non-teaching staff members.
	Induction programme to the newly recruited staff members

14. Whether the AQAR was placed before statutory body? : Yes
Name of the statutory body: Management Date of meeting(s): 14/11/2018

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning?: Yes

CSE and MECH departments accredited by NBA, Date: - CSE 04/12/2017, Mech. 16/02/2018

16. Whether institutional data submitted to AISHE: Yes

Year: 2018 Date of Submission: Jan 2018

17. Does the Institution have Management Information System? Yes

NRCM College Management System connects the students, staff members, parents and management of our institution which covers each and every activities of the institution from admission to feedback. It improves overall campus productivity, as all stakeholders can use the system simultaneously from anybody, anywhere and anytime. No communication gap among stakeholders as it provides multiple channels such as web, e-mail, and SMS. It enables the parents to view results, campus news, attendance details, and performance reports of their ward and post their suggestions. So continuous monitoring and quick decision making is now possible with complete set of data availability. It is also one of the Go Green initiatives of our institution because it leads of paperless campus

Part-B

CRITERION I – CURRICULAR ASPECTS				
1.1 Curriculum Planning and Implementation				
<p>1.1.1 Institution has the mechanism for well planned curriculum delivery and documentation.</p> <p>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 deans, directors, controller of examination and heads 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, Real-World, Brainstorm, Role Play, Stimulating Classroom Environment, Puzzles and Games Learning Puzzles and Games, 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 booklet throughout semester. The College encourages its faculty members to participate in Orientation/ Refresher Courses/ Workshops/ Seminars/ Industrial training organized by the different organisations 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 its 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 up to date Encouraging faculty members to evaluate their own learning and teaching practice Encouraging innovation in learning and teaching planning how practice can be shared amongst lecturers. Establishing MOUs with various industries and institution. All Faculty member are trained to achieve Programme Educational Objectives and program objective. The students of that 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 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 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. For a group of around 15 students a teacher is allocated as Mentor. Mentor conducts a weekly meeting and does the counseling of poor performing students. The academic performance of students is continuously monitored by conducting unit tests, mock practical examinations during the semester. Bridge courses are organized and conducted for the first year students and lateral entry students to help them to understand basic concepts of Mathematics, Physics, Chemistry and English. 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. Views of experts from industry, academia and alumni on curriculum are taken regularly. Feedback from industry and alumni is given due importance in defining graduate attributes and design of course outcomes.</p>				
1.1.2 Certificate/ Diploma Courses introduced during the Academic year				
Name of the Certificate Course	Name of the Diploma Courses	Date of introduction and duration	focus on employability/ entrepreneurship	Skill development
Embedded systems on Arduino	-----	07/08/2017 1 week	Employability	Skill development

1.2 Academic Flexibility			
1.2.1 New programmes/courses introduced during the Academic year			
Programme with Code	Date of Introduction	Course with Code	Date of Introduction
B.Tech CIVIL- 03	19.03.2013	Surveying 2 Lab (CE408ES)	14/07/2017
		Finite Element Methods (A70330)	14/07/2017
		Advanced structural design (A70135)	12/07/2017
		Intellectual property Rights (A50017)	12/07/2017
B.Tech MECH- 03	08.10.2009	Fuels and Lubricants Lab ME306ES	12/07/2017
		Disaster Management A60117	14/12/2017
		Kinematics and Dynamics Lab ME406ES	14/12/2017
BTech ECE - 04	08.10.2007	Digital IC applications EC506PC	14/12/2017
Btech CSE - 05	08.10.2007	Data Structures Through C++ CS302ES	12/07/2017
		IT Workshop CS307ES	12/07/2017
		Operating Systems CS403ES	14/12/2017
		Business Economics and Financial Analysis SM405MS	14/12/2017
		Computer Organization Lab CS406ES	14/12/2017
		Operating Systems Lab CS408ES	14/12/2017
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	UG	PG	Date of implementation of CBCS / Elective Course System
B.Tech., CIVIL	Yes	No	13/07/2016
B.Tech., EEE / M.Tech-Electrical Power systems	Yes	Yes	13/06/2016 & 19/09/2016
B.Tech MECH / M.Tech-Thermal Engineering	Yes	Yes	02/08/2016 & 19/09/2016
B.Tech ECE / M.Tech-Embedded Systems / M.Tech-Power Electronics	Yes	Yes	13/06/2016 & 19/09/2016
B.Tech CSE / M.Tech-CSE	Yes	Yes	02/08/2016 & 19/09/2016
Already adopted (mention the year)			
1.2.3 Students enrolled in Certificate/ Diploma Courses introduced during the year			
No. of Students	Certificate	Certificate courses	
55	III MECH	CATIA (certificate course)	
71	IV MECH	Hyper Mesh (certificate course)	
40	ECE	Embedded systems on Arduino	
60	CSE	Python programming (certificate course)	
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	
STAAD Pro Training (CIVIL)	01/07/2017	43	
E-tabs Training (CIVIL)	01/01/2018	43	
Gender sensitization (CSE)	12/12/2017	135	
Environmental sciences (II/II MECH)	14/12/2017	101	
Gender sensitization (II/I MECH)	12/07/2017	117	
AUTOCAD (II MECH)	06/02/2018	63	
CATIA (III MECH)	07/08/2017	55	
HYPER MESH (IV MECH)	18/12/2017	71	
Training program on making objects, gadgets & Robots (ECE)	07/07/2017	60	
SCALA Programming	03/07/2017 to 08/07/2017	67	

R Programming	04/12/2017 to 09/12/2017	50
Campus Recruitment Training	23/10/2017 to 28/10/2017	138
Campus Recruitment Training	23/10/2017 to 27/10/2017	150
Campus Recruitment Training	19/02/2018 to 23/02/2018	135
Project/Programme Title	No. of students enrolled for Field Projects / Internships	
Internship for main project (CIVIL)	43	
Testing of transformer oil (EEE)	02	
Embedded systems (EEE)	10	
Internship on Introduction to web development (CSE)	05	
Internship in Su-Brains Solutions Private Ltd (CSE)	01	
Internship for Main Project (MECH)	27	
CRT Classes (MECH All years)	247	
Swachh Bharat Summer Internship programme	300	
Internship (ECE)	43	
Cloud Computing(Internship) (CSE)	09	
Machine Learning(Internship) (CSE)	07	
Big Data(Internship) (CSE)	06	
Internship for Main Project (MBA)	50	

1.4 Feedback System

1.4.1 Whether structured feedback received from all the stakeholders.

1) Students	2) Teachers	3) Employers	4) Alumni	5) Parents
Yes	Yes	Yes	Yes	Yes

1.4.2 How the feedback obtained is being analyzed and utilized for overall development of the institution?

This institute presently uses the 365 *24 * 7 computer based feedback systems for collecting feedback from all the stakeholders. Stakeholders are encouraged to interact with the Principal and give their responses. At the end of the semester total responses are analyzed and an Overall Average Point is calculated on a ten point scale. The stakeholder's responses are automatically analyzed by the system and it is monitored by a mechanism under the control of the Principal. The feedbacks from stakeholders are sent to the concerned Faculty/Management every semester. Principal/Management receives the detailed feedback received from the stakeholders and necessary actions were taken.

Sr. No.	Stakeholder	Feedback	Action Taken
1	Students	Syllabus should include practical based approach	Projects undertaken under Innovation Labs to provide students to explore advanced technologies
		More weightage must be given to projects	Mini projects
2	Teachers	Use of social learning platform	Course Networking
		Internship must be encouraged	Sent students for internships during vacations
		Industrial visits must be arranged	Industrial visits organized for all departments
		Hands on training for different simulation software's must be included	Workshops MATLAB, JAVA, Python etc.
3	Alumni	Industry oriented knowledge and learning scheme should be implemented.	Innovation knowledge sharing with students
		Could lay more emphasis on Practical Learning than theoretical	Training sessions provided by Innovation Labs such as Robotics lab

		Special courses(java,.net,etc) should be taught instead of regular courses	Workshops to make students aware of new software & latest techniques.
		Impart practical knowledge among students, make them work on more and more projects	Projects under innovation labs, IEDC & mini projects
		Digital submission of assignments along with use of anti-plagiarism software	Yes
4	Employers	Quality of fundamental concepts of the students needs to be improved upon	NPTEL courses
		Updates on current technologies	Innovation knowledge sharing with students
		Students need to train basic etiquettes in terms of Face to face interview	Training and placement classes
		There is a room for improvement in terms of soft skills.	MOOCs.
5	Parents	Provide Internship	Started with internships for students
		Improvements required in communication skills	Training and placement classes
		Personality development training	Training and placement classes
		Technical paper writing guidance required	Organised seminar on technical paper writing & LATEX

CRITERION II -TEACHING-LEARNING AND EVALUATION

2.1 Student Enrolment and Profile

2.1.1 Demand Ratio during the year

Name of the Programme	Number of seats available	Number of applications received	Students Enrolled
B.Tech (CIVIL)	060	084	042
B.Tech (EEE)	060	042	039
B.Tech (ME)	120	080	072
B.Tech (ECE)	120	120	093
B.Tech (CSE)	180	180	142
B.Tech (I YEAR)	540	506	388
M.Tech (Thermal)	024	010	010
MBA	060	057	057

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 full time teachers available in the institution teaching only UG courses	Number of full time teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2017-18 (CIVIL)	150	--	14	--	--
2017-18 (EEE)	081	--	15	08	--
2017-18 (MECH)	247	32	27	04	02
2017-18 (ECE)	245	14	34	04	--
2017-18 (CSE)	424	08	41	03	--

2017-2018(S&H)	388	--	27	--	02
2017-2018 (MBA)	--	57	--	07	03

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
14 (CIVIL)	10	NPTEL, Computers, Internet, Projectors, Speakers	03	03	NPTEL videos YouTube, Course files Video Presentation, Guest Lecture
44 (CSE)	35	NPTEL, Computers, Internet, Projectors, Speakers	09	--	NPTEL videos, You tube, Course files
33(MECH)	30	Computers, Internet, Projectors, Speakers Google classroom, wordpress. com	03	03	NPTEL,SWAYAM,YOUTUBE,SAKSHAT, VIDYA MITRA,E-PG patashala, MANTRA, DIGILIBRARIES, Flipped classroom Problem solving activity & peer Learning Brain storming Pair-wise Learning, Think-Pair-Share Flash card Jigsaw Classroom presentation Quiz SWOT analysis Role Play
38 (ECE)	34	LCD projectors, Amplifiers ,Networked computers	06	--	NPTEL videos, Computer assisted learning
23 (EEE)	20	LCD projectors, Audio system available	05	--	NPTEL videos, You tube

29(H&S)	22	LCD projectors, Audio system available	09	--	Worksheet Demonstration Poster Presentation Effective Recap & Summarizing Group Discussion & Group Activity Seminar presentation Experimental demonstration Student Handout Video presentation PPT Assignments Classroom presentation Match the columns Quiz
07 (MBA)	04	LCD projectors, NPTEL Videos & PPT	01	--	NPTEL videos & PPT, You tube, Group Discussion, Business Quiz & Seminars, Poster Presentation, PPT Presentation, Guest Lecture

2.3.2 Students mentoring system available in the institution? Give details.

Professional Guidance

- There is a full - fledged mentoring system in place in the college to take care of the interests of all the students on rolls.
- Interaction with the Industry personnel and higher education institutions on horizontal and vertical progression of students.
- Regular Annual Industrial Visits and Internships are provided to familiarize students with the Industrial Work scenario.
- Number of industry - institute interactions for professional guidance is also organized during the Tech fest.

Career Advancement

- Career Mentoring: The innumerable career and professional opportunities emerging everyday has made the job scenario highly competitive and complex and this situation compels the student to prioritize and choose the best suited for him or her. In order to make a wise choice of profession, every student needs some knowledgeable guidance in such situations. Our HRD Center provides the students the following counseling services:
- Career goal setting based on an assessment of individual aptitudes
- Guidance on viable career options available
- Assistance in choosing the best career oriented educational enrichment program
- To facilitate the stated above, the department has prepared a career guidance form which is taken individually with their Parent's Presence in their third year of studies. According to their choice of Interest, the training is provided.

Orientation

- New students are briefed on matters pertaining to their programs /courses, fees, accommodation and the rules and regulations of the college. They are also advised on personal safety and security.

Counseling

- Counseling services on academic and non-academic matters are also available to all students. The Student Counseling Service provides free, specialist confidential interventions through professional counselors to students who experience psychological distress. The Counselors help them to achieve their full academic and personal potential and goals

The Peer Mentoring System

The College also has the peer-mentoring system by which a group of five or six new entrants are placed under the care of a senior student who is responsible for their conduct, safety and security on the campus. These senior peers

have also been found helping the fresher's under their care in academics. Mentoring of students thus, is an essential feature to render equitable service to all our students having varied background.

Student-mentorship has the following aims:

- To enhance teacher-student contact hours
- To enhance students' academic performance and attendance
- To minimise student drop-out rates
- To identify and understand the status of slow learners and encourage advanced learners
- To render equitable service to students

Design & Implementation

The IQAC had taken the initiative of implementing the mentoring of students. Students are categorised based on the streams of studies and also according to their core subjects. They are divided into groups of 15. Each group is assigned a teacher-mentor who would perform mentoring duties. A mentoring format with guidelines is prepared by the IQAC to ensure uniformity.

- Mentors maintain and update the mentoring format which contains space for entering particulars and performance of students (class tests, monthly attendance records, etc.,)
- After collecting all necessary information, Mentors are expected to offer guidance and counseling, as and when required.
- It is the practice of Mentors to meet students individually or in groups.
- In isolated cases parents are called for counseling/special meetings with the Principal at the suggestion of the Mentor.
- If a student is identified as having weakness in particular subject, it is the duty of the Mentor to apprise the concerned subject teacher.

Uniqueness: The institutional practice of Mentoring System has been designed and implemented- to be student-centric to render equitable service to students of varied academic & financial backgrounds

Constraints: With the introduction of continuous assessment under the Semester System, time factor could be a constraint for Mentors.

Evidence of Success

Though the system has only been implemented in the last few years, significant improvement in the teacher-student relationship can be seen. The system has been useful in identifying slow learners and advanced learners. Based on the requirement deduced through a careful examination of each Mentor's report, the College has organised several remedial classes in the identified topics/subjects for slow learners and fast learners are sent to participate in other activities

Targets achieved

The Remedial Classes have been institutionalized after the implementation of the Mentoring System. Need-Based remedial classes have proved to be beneficial to the students in particular and the entire college in general. The institutional practice of Mentoring System has considerably enhanced the campus environment and brought about:

- Enhanced contact hours between Mentors with their respective students
- Improvement in students attendance records
- Minimised student drop-out rates (apparently due to Mentors' intervention before a student falls short of attendance or has been regularly abstaining from classes)
- Identification of slow learners for conducting Remedial Classes
- Advanced learners identified and encouraged with incentive prizes

Number of students enrolled in the institution	Number of fulltime teachers	Mentor: Mentee Ratio
150 (CIVIL)	14	1:15
081 (EEE)	23	
146 (MECH)	27	
245 (ECE)	38	
424 (CSE)	44	

388 (SAH)	29	
107(MBA)	08	

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
14 (CIVIL)	14	00	03	01
23 (EEE)	23	00	00	04
44 (CSE)	44	00	06	01
38 (ECE)	38	00	06	07
33 (MECH)	33	00	07	04
29 (H&S)	29	00	02	04
08 (MBA)	08	00	01	01
2.4.2 Honours and recognitions 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	
2017	G. Nanda kishore	Assistant professor	Best teacher award	
2017	M.Venkateswar reddy	Associate professor	Leadership - SAE contribution award by SAE India	
2017	M.Venkateswar reddy	Associate professor	Best teacher award by NRCM	
2017	G.Satish kumar	Associate professor	Long time faculty of NRCM	
2017	N Sai kiranmai	Assistant professor	Best performer in the department	
2017	Jaganadha Rao	Associate professor	Best teacher award by NRCM	
2018	Mrs K.Lakshmi,	Associate professor	Long time faculty	
2018	Mr.E.Sudhakar,	Associate professor	Long time faculty	
2018	Mr.A.Veera babu	Associate professor	Long time faculty	
2018	A.Sravanthi	Assistant professor	Long time faculty	
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				
Program me 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
B.Tech	01	II/I	12/12/2017	10/02/2018
B.Tech		III/I	12/12/2017	14/02/2018
B.Tech		IV/I	12/12/2017	07/02/2018
B.Tech		II/II	07/05/2018	21/06/2018
B.Tech		III/II	07/05/2018	21/06/2018
B.Tech		IV/II	07/05/2018	01/06/2018

B.Tech		I/I	16/12/2017	23/02/2018
B.Tech		I/II	07/05/2018	21/06/2018
B.Tech	02	I/I	16/12/ 2017	25/02/2018
B.Tech		I/II	12/12/ 2017	19/02/2018
B.Tech		I/III	12/12/ 2017	15/02/2018
B.Tech		I/IV	12/12/ 2017	06/02/2018
B.Tech		II/I,II,III	07/05 2018	09/07/2018
B.Tech		II/IV	07/05 2018	22/06/2018
B.Tech		03	II/I	04/12/2017
B.Tech	III/I		02/12/2017	14/02/2018
B.Tech	IV/I		07/12/2017	07/02/2018
B.Tech	II/II		26/04/2018	21/06/2018
B.Tech	III/II		27/04/2018	21/06/2018
B.Tech	IV/II		24/04/2018	01/06/2018
M.Tech	21	I/I	21/01/2018	11/01/2018
		I/II	13/07/2018	01/09/2018
B.Tech	04	II/I	04/12/2017	10/02/2018
B.Tech		III/I	02/12/2017	14/02/2018
B.Tech		IV/I	07/12/2017	07/02/2018
B.Tech		II/II	26/04/2018	21/06/2018
B.Tech		III/II	27/04/2018	21/06/2018
B.Tech		IV/II	24/04/2018	01/06/2018
B.Tech	05	I / II,III,IV	12/12/2017	25/02/2018
B.Tech	05	II / II,III,IV	07/05/2018	20/02/2018
M.Tech	58	I/I	16/12/ 2017	16/02/2018
M.Tech	58	II/I	07/05/2018	July 2018
MBA	00	I/I	28/08/2017 to 20/01/2018	March 2018
MBA	00	II/I	28/08/2017 to 20/01/2018	March 2018

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

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 essay paper). The objective paper is set with 20 bits of multiple choices, fill-in the blanks and matching type of questions 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 internal marks and 50 end semester examination marks. 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

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 out of ten. The objective component is marked out of 10. The assignment is marked out of five. 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. All question papers are set based on the OBE format. They are mapped with their respective course outcomes that are stated in the beginning of the course. The assignments given to the students involve unaddressed program outcomes. 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's 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. In any condition, the academic calendar is followed and respected by teachers of all departments.

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) www.nrcmec.org

2.6.2 Pass percentage of students

Program me Code	Programme name	Number of students appeared in the final year examination	Number of students passed in final semester/year examination	Pass Percentage
01	B.Tech (CIVIL)	042	017	40.5%
02	B.Tech (EEE)	027	018	66.6%
03	B.Tech (MECH)	083	039	47%
04	B.Tech(ECE)	064	033	52%
05	B.Tech(CSE)	148	113	76.35%
21	M.Tech (Thermal Engineering)	017	010	59%

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) www.nrcmec.org

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 in Rs	Amount received during the Academic year
Major projects	10/10/2017 to 25/01/2018	VN Career	50,000	50,000
Minor Projects	29/07/2017 to 12/12/2017	Sell globally	20,000	20,000
Interdisciplinary Projects	1 year	Armtronic labs Pvt.Ltd	60,000	60,000
Industry sponsored Projects	1 year	Armtronic labs Pvt.Ltd	60,000	60,000
Students Research Projects (other than compulsory by the College)	02/01/2018 to 15/04/2018	VN Career	28,000	28,000
Projects sponsored by the University/ College	1 year	College-Tractor Design Competition	72,000	72,000
Projects sponsored by the University/ College	5 months	College - Metal Additive Manufacturing	50,000	50,000
Projects sponsored by the University/ College	3 months	College - Automatic wheel chair	14,000	14,000
Projects sponsored by the University/ College	3 months	College-Exhaust Gas Analyzer	30,000	30,000
Total				
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(s)		
A one day workshop on Recent trends in Transportation engineering	CIVIL	03/02/2018		
A one day workshop on Engineering of ground and anatomy of cracks in concrete	CIVIL	22/03/2018		
A guest lecture on advance d surveying	CIVIL	10/02/2018		
A seminar on Industry Readyness	EEE	12/03/2017		
5 days faculty development program on CFD at JNTUH	MECH	23/04/2018 to 27/04/2018		
Guest Lecture on future mobility	MECH	31/03/2018		
Student development programme on Machine Drawing	MECH	14/03/2018		
Seminar on ICT Tools	MECH	09/03/2018		
Seminar on bloom's taxonomy	MECH	10/03/2018		
AUTOCAD	MECH	06/022018		
Workshop on HYPERMESH Training	MECH	18/12/2017		
Workshop on CATIA Training	MECH	07/08/2017		
FDP on Engineering mechanics made easy	MECH	28/06/2017 to 02/07/2017		

Awareness workshop on IPR		ECE	05/01/2018	
IOT Technologies		CSE	16/10/2017 to 18/10/2017	
Black chain management		CSE	29/01/2018 to 30/01/2018	
3.2.2 Awards for Innovation won by Institution/Teachers/Research scholars/Students during the year				
Title of the innovation	Name of the Awardee	Awarding Agency	Date of Award	Category
CONSORTIUM 17	K. Harish Reddy	IARE Engineering College	03/11/2017	Technical paper presentation
NPTEL	K. Harish Reddy	NPTEL	05/10/2017	Principles of construction Management
FURCATEZ:2K17	K. Harish Reddy	MRITS	23/12/2017	Technical Fest
Clean India Fir India	K. Ranjitha	MLR Eng. College	28/01/2018	Run for Corruption Free India
SOAR (MECH)	M.V. Jitendra	Avail Robotech solutions	30/07/2018	Robotics
3D Printer	N.NEERAJ	Embedded RF Technologies	30/05/2018	Product
3.2.3 No. of Incubation centre created, start-ups incubated on campus during the year				
Incubation Centre	Name	Sponsored by		
TIC,NRCM ECE	TIC,NRCM	Armtronic labs Pvt.Ltd,Hyderabad		
3.3 Research Publications and Awards				
3.3.1 Incentive to the teachers who receive recognition/awards				
State	National	International		
CIVIL 02	02	07		
EEE 02	02	02		
MECH 03	02	02		
ECE 02	02	02		
CSE 02	02	02		
3.3.2 Ph. Ds awarded during the year (applicable for PG College, Research Center)				
Name of the Department	No. of Ph. Ds Awarded			
--	--			
3.3.3 Research Publications in the Journals notified on UGC website during the year				
	Department	No. of Publication	Average Impact Factor, if any	
International	CIVIL	07	2.5	
International	EEE	14	--	
International	MECH	01	2.5	
International	ECE	14	--	
National	CSE	02	1.1	
International	CSE	03	1.3	
International	H&S (Physics)	05	1.8	

International	H&S (English)	02	--			
3.3.4 Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year						
Department		No. of publication				
CIVIL		03				
CSE		01				
MBA		01				
3.3.5 Bibliometrics of the publications during the last Academic year based on average citation index in Scopus/ Web of Science or Pub Med/ Indian Citation Index						
Title of the paper	Name of the author	Title of the journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citations
Statistical Analysis and Treatment of Accident Black Spots: A Case Study of Nandyal Mandal	B. Sudharshan Reddy	IOP Conference Series: Materials Science and Engineering	2017	1		
Experimental Study on Feasibility of Non Potable Water with Lime on Properties of Ppe	B. Sudharshan Reddy	IOP Conference Series: Materials Science and Engineering	2017	1		
Scheduling of an Residential Building using Project Management Techniques	Smam Hussain	International Conference on Engineering Trends in Engineering Science and Management	2017	1		
Experimental Study on Rise Husk Ash & Fly Ash Based Geo-Polymer Concrete Using M-Sand	G Nanda Kishore.	IOP Conference Series: Materials Science and Engineering	2017	1		
Effect of Fiber and Aggregate Size on Fracture Parameters of High Strength Concrete	D Rohini Kumar	IOP Conference Series: Materials Science and	2017	1		

		Engineering				
Effect of Fiber and Aggregate Size on Fracture Parameters of High Strength Concrete	M. Mallikarjun Reddy	IOP Conference Series: Materials Science and Engineering	2017	1		
Pressure Measurement Studies on a 1:1.5:7 Rectangular High Rise Building Model under Uniform Flow	H Sarath Kumar	IOP Conference Series: Materials Science and Engineering	2017	--		
Pressure Measurement Studies on a 1:1.5:7 Rectangular High Rise Building Model under Uniform Flow	P. Vijaya Bhaskar Reddy	IOP Conference Series: Materials Science and Engineering	2017	--		
Increase the efficiency in wind turbine system by using DFIG	K. S. Deva Rani	IJSETR	2018			
A grid tied SPV system with adaptive DC link voltage for CPI voltage variations using fuzzy logic control	B. Naresh	IJITR	2018			
Energy endorsement system increased for analyze in effort and component benefit in micro grid	B. Naresh	IJITR	2018			
To eradicate the harmonics at Micro grid by using dual interfacing Circuit	B. Naresh	IJITR	2018			
An Enhanced Power Sharing Scheme for Voltage Unbalance and Harmonic Compensation in an Islanded AC Micro grid	L. Phani Kumar	IJIEMR	2018			
Practical Model on a Hybrid Series Active Power Compensator for Increase the Power Quality	L. Phani Kumar	IJITR	2018			
Development of Circuit for Standalone Solar PV Hybrid System	Dr.N. SrinivasaRao	IJITR	2018			
Intend and Functioning of DVR for Eradication of Voltage Sag and Voltage Swell Exertions	Dr.N. SrinivasaRao	IJPAM	2018			
A New Multifunctional DVR for Compensation of Voltage Sag	Dr.N. SrinivasaRao	IJETJ	2018			
Propose of Peripheral Storage Source of DVR for Voltage Sag and Swell Recompense for Recuperating The Power Quality	Dr.N. SrinivasaRao	JRDC	2018			
High Effectiveness Wind Power Generation By Using DFIG With SSFCL	G. Swetha Bindu	IJITR	2018			

Integration of Solar and PV Battery with Advanced Control Strategy of a Three-Level NPC Inverter	Y. Narasimha Rao	IJRAET	2018			
A High efficiency resonant converter for wind power generation under rapidly changing environmental conditions	Y. Narasimha Rao	IJATES	2018			
Design and Implementation of Multi-Input Transformer-Coupled Bidirectional DC-DC Converter with ANN Circuit	B. Chandraiah	IJITR	2018			
Performance analysis of two stroke petrol engine on the basis of variation in carburetor main-jet diameter	Dr.P.Raghavulu	IJSETR, ISSN 2319-8885, Vol.06, ISSUE.32	Oct-2017			
Fluid ,thermal and static analysis of radial flow micro gas turbine using CFD	Mr. Golla Sathish kumar	IJIMINDS, ISSN-2349-2082, Vol-4, Issue-11, impact factor -0.726, Page No-61-67	Nov-2017			
Design optimization of thermal sleeves for desuperheating applications		IJIMINDS,ISSN-2349-2082,Vol-4,Issue-10, impact factor -0.726, Page No.-52-60	Oct-2017			
Thermal analysis and optimization of I.C. engine piston using finite element analysis		IJSETR, ISSN 2319-8885,Vol.06, Issue.31, Page No-6303-6307	Oct-2017			
Design and thermal analysis of engine cylinder fin through various fin fabrics		IJMETMR, ISSN 2348-4845,Vol-4,Issue-11, Page No. 36-42	Nov-2017			
Performance analysis of two stroke petrol engine on the basis of variation in carburetor main-jet diameter		IJSETR, ISSN 2319-8885,Vol.06, Issue.32	Oct-2017			
Investigation of vehicle rear under run protection device (rupd) using Aluminium foam	Mr. Avinash Pachori	International conference series material sciences and engineering ISSN -1757-899x,225012289 ICMAEM-	2017			
Performance test on single cylinder CI-engine waste plastic	Mr. Sharan kumar D	IJESI, ISSN 2319-6726,Vol-7,	2018			

fuel blend with diesel fuel		Issue-5			
Enhancing the heat transfer for multi cylinder engine piston and piston rings		IJMETMR,ISSN 2348-4845,Vol-4, Issue-11, Page No. 13-19	Nov-2017		
Enhancing the performance of engine block by varying cooling fluids		IJMETMR, ISSN 2348-4845,Vol-4, Issue-11, Page No. 30-35	Nov-2017		
Design and thermal analysis of engine cylinder fin through various fin fabrics		IJMETMR, ISSN 2348-4845,Vol-4, Issue-11, Page No. 36-42	Nov-2017		
Performance test on single cylinder CI-engine waste plastic fuel blend with diesel fuel	Mrs. T Anuradha	IJESI, ISSN 2319-6726,Vol-7, Issue-5	2018		
Thermal analysis of combustion outer case for turbo engine	Mr. S Rajesh	IJMETMR, ISSN 2348-4845,Vol-4, Issue-11, Page No.21-29	Nov-2017		
Production of bio fuel compounds from waste plastics by using catalytic pyrolysis process		IRJET, ISSN - 2395-0056,vol 5 ,issue5,5 th	May 2018		
Production of bio fuel compounds from waste plastics by using catalytic pyrolysis process	Mr. Pavan kumar	IRJET, ISSN - 2395-0056,Vol 5 , Issue5,5 th	May 2018		
Production of bio fuel compounds from waste plastics by using catalytic pyrolysis process	Mr p. Naveen Kumar	IRJET,ISSN-2395-0056 ,Vol 5, Issue 5, 5 th	May 2018		
Study on dielectric properties of fresh vegetables and jamun	P Usha	Iop series	2017		Narsimha Reddy Engineering College
Study on dielectric properties of adulterated milk concentration &freshness	N Sai kiranmai	Iop series	2017		Narsimha Reddy Engineering College
Study on dielectric properties of adulterated milk concentration &freshness	V J Murthy	Iop series	2017		Narsimha Reddy Engineering College
The buoyant women in sidhwa's novel ice candy man	M Manjula	IJELLS	2018		-
Interaction of Glycylglycine with Cationic Surfactants Cetylpyridinium Chloride and	Shahjahan	International Journal of Thermophysics	2018		Narsimha Reddy Engineeri

Cetylpyridinium Bromide: A Volumetric, Ultrasonic and Conductometric Study						ng College
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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 the author	Title of the journal	Year of publication	h-index	Number of citations excluding self citations	Institutional affiliation as mentioned in the publication
Experimental Study on Rise Husk Ash & Fly Ash Based Geo-Polymer Concrete Using M-Sand	G Nanda Kishore	IOP Conference Series: Materials Science and Engineering	2017	1	1	Narsimha Reddy Engineering College
Scheduling of an Residential Building using Project Management Techniques	Smam Hussain	International Conference on Engineering Trends in Engineering Science and Management	2017	1	1	Malla Reddy Engineering College (A).

3.3.7 Faculty participation in Seminars/Conferences and Symposia during the year :

No. of Faculty	International level	National level	State level	Local level
Attended Seminars/ Workshop CIVIL	05	01	--	--
Presented papers	07	--	--	--
Attended Seminars/ Workshop EEE	--	02	--	--
Presented papers	--	02	--	--
Resource Persons	--	01	--	--
Attended Seminars/ Workshop MECH	10	--	--	--
Presented papers	02	--	--	--
Resource Persons	04	--	01	03
Attended Seminars/ Workshop ECE	--	05	--	--
Presented papers	01	--	--	--
Resource Persons	--	--	03	--
Attended Seminars/ Workshop CSE	--	29	17	00
44 (total faculty in CSE)	--	---	02	05
Presented papers	02	00	00	00
Resource Persons	00	00	01	02
Presented papers SAH	04	--	--	--

Presented Paper in Andhra University (MBA)	--	01	--	--
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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 co-ordinated such activities	Number of students participated in such activities
Telanganaku Haritha Haaram MECH	NSS NRCM / JNTUH	05	50
Telanganaku Haritha Haaram-GO GREEN	Narsimha Reddy Engineering College	20	120
Lions Club, Yaprara and Talaseemia and Sickle Cell Society (Blood Camp)	Lions Club	30	300
Cancer Awareness Programme by ISKCON Kukatpally	ISKCON Kukatpally	15	150
NSS ECE	Narsimha Reddy Engineering College	10	90
Cashless transaction Campaign	NSS unit Narsimha Reddy Engineering College & CSE Department	05	30
Blood donation camp	NSS UNIT Narsimha Reddy Engineering College	04	50
A big road safety lesson by telangana state government	MLRIT	20	250
Swatch bharat summer internship	Narsimha Reddy Engineering College	07	300

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	No. of Students benefited
CIVIL Haritharam	Tree plantation	CREDA	35
Megha blood donation camp	Blood donation	Lions Club-Hyd	04
CIVIL Harithaharam	Tree plantation	CREDA1	40

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/ agency/ collaborating agency	Name of the activity	Number of teachers coordinated such activities	Number of students participated in such activities
Swatch Bharat summer	Narsimha reddy Engineering college ,	Swatch Bharat	07	300

internship				
Harithaharam	NSS	Harithaharam	10	50
Cancer awareness Program	Queen's NRI	Cancer awareness Program	04	20

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
Research publication	L. Vishnuvardhan Reddy	Narsimha Reddy Engineering College	2 Months
Research publication	G. Reddy Babu, B. Madhusudana Reddy, N V Ramana,	Narsimha Reddy Engineering College	5 Months
Research Publication	Dr. N. Naga Sathish, PVVSR Krishna	Bapatla Engineering College	8 Months
FDP on CFD	Faculty of Mechanical	JNTUH & TEQIP	23/04/2018 to 27/04/2018
Mini Project	Students	VN Career solutions	05/05/2017 to 05/07/2017
Major project	Students	VN Career solutions	12/12/2017 to 30/03/2018

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-To)
Mini Project work	MoU	CADD Pro organization	05/08/2017 to 30/09/2017
Major Project Work	MoU	CADD Pro organization	06/01/2018 to 30/03/2018
Faculty Industrial training	Industrial training	Industry training at TGV SRAAC Ltd Kurnool	07/05/2018 to 12/05/2018
Student Internship	Internship	Mechanical workshop, N.E railway, Gorakhpur	20/06/2017 to 19/07/2017
Student Apprentice	Apprentice	Mechanical workshop, N.E railway, Gorakhpur	20/06/2017 to 19/07/2017
Student Apprentice	Apprentice	Indian oil corporation Pvt. Ltd.	01/06/2017 to 30/6/2017
Student Apprentice	Apprentice	Mercedes benz Pvt. Ltd.	19/06/2017 to 28/06/2017
Student Apprentice	Apprentice	BHEL	19/06/2017 to 03/07/2017
Student Apprentice	Apprentice	Sk. Tech Sol Engineers Pvt. Ltd.	22/05/2017 to 05/06/2017
Job Training Project Work ECE	Job Training & Project Work	Embedded RF Technologies	2017-2018
Internship	Internship	VN career solutions Pvt. Ltd.	01/05/2018 to 31/05/2018
Internship	Internship	Sruta software solutions	07/05/2018 to 30/06/2018
Internship	Internship	Techversed consulting services Pvt. Ltd.	01/06/2018 to 30/06/2018
Internship	Internship	Brainovision Pvt. Ltd.	01/05/2018 to 15/06/2018
Organisation		Date of MoU signed	Purpose and Activities
CADD PRO organisation		05/08/2017	Mini project work
CADD PRO organisation		06/01/2018	Major project work
VN career solutions Pvt.Ltd.		01/08/2017	Project, software training, internship
Brain o vision		03/07/2017	Internship
Sruta software solutions		19/07/2017	Projects, internship

Techversed consulting services Pvt. Ltd.	03/10/2017	Software training, internship										
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											
New equipment for laboratory 24697958	24697958											
On creation of capital assets 3356111	3356111											
4.1.2 Details of augmentation in infrastructure facilities during the year												
CIVIL Facilities	Existing		Newly added									
Campus area	10.3(in acres)		-									
Facilities	Existing		Newly added									
Department	Civil	EEE	Mech	ECE	CSE	MBA	Civil	EE E	Mech	ECE	CS E	M B A
Class rooms	3	5	12	06	9	2	-	-	-	-	-	-
Laboratories	9	8	1	12	5	1	1	-	2	-	-	-
Seminar Halls	1	1	3	01	1	-	-	-	1	-	-	-
Classrooms with LCD facilities	2	2	2	06	9	1	-	-	2	-	-	-
Classrooms with Wi-Fi/ LAN	1	1	0	06	6	1	1	-	2	-	-	-
Seminar halls with ICT facilities	1	1	1	01	1	1	-	-	1	-	-	-
Video Centre	-	-	16	1	-	-	-	-	1	-	-	-
No. of important equipments purchased (≥ 1-0 lakh) during the current year.	9	--	-	-	-	-	8	-	1	1	-	-
Value of the equipment purchased during the year (Rs. in Lakhs)	-	-	-	-	-	-	1,24,16,413					-
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		2010		2010							
4.2.1 Library Services:												
	Existing		Newly added		Total							
	No.	Value	No.	Value	No.	Value						
Text Books / Reference Books	30504	8210279	422	233809	30926	8444088						
e-Books	--	--	--	--	--	--						
Journals	660	1334752	83	196720	743	1531472						

e-Journals	9062	337201	--	13570	--	338558
Digital Database J-Gate /RMIT/DELNET	30	8360	--	--	--	8360
CD & Video /NPTEL	5	12000	--	--	--	--
Library automation New ZEN Lib	1	50000	--	--	--	--
Weeding (Hard & Soft)	--	27096	--	12880	--	39976
Others (specify)	--	286920	--	--	--	286920

4.3 IT Infrastructure

4.3.1 Technology Up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Departments	Available bandwidth (MGBPS)	Others
Civil Existing	60	1	10	1	1	2	2	50	--
EEE Existing	30	3	10	1	1	2	2	50	
MECH Existing	30	1	10	1	1	2	2	50	--
ECE Existing	140	5	10	1	5	2	2	50	
CSE Existing	240	14	10	1	4	2	2	50	--
H &S Existing	115	3	10	1	3	2	2	50	--
Total	615	27	60	6	15	12	12	50	--

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

S. No	Internet Facilities	Speed
1	BSNL	50 Mbps
2	Vainavi	50 Mbps
3	Jio Net	1 GB
Total		100 Mbps + 1 GB

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
--	--

4.3.4 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
--	--	--	--

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
100000	96000	200000	182500
4.4.2 Procedures and policies for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc., (information to be available in institutional Website, provide link) www.nrcmec.org			
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 institution has a building construction and maintenance committee to supervise the new construction and extensions needed from time to time and also for the overall infrastructural maintenance of the college			
ii. 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 expansion and for library facilities etc.			
iii. For the maintenance and repair of computers, the college takes assistance of special technical Experts			
iv. Electrification and water supply system of the institution is being regularly monitored and maintained.			
v. Professor in charges deployed to look after the maintenance and repair of the physical infrastructure of the college like Gardens, canteen, sports ground, library, RO water filter maintenance, toilet, girls common room, gymnasium etc.			
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			
Financial support from other sources			
Financial support from institution	Nrcm	40	14,00,000
Financial support from other sources	--	1015	3,63,63,600
a) National	Telangana Govt		
	Bihar Govt		
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
MECH Meditation	01/12/2018	Mechanical-60, Other Branches-150	Dhyana Mano Prasthanam
SDP on Machine drawing	15/03/2018	90 Mechanical	Mr. V. Suvarna Kumar
CSE Finishing school	12/07/2017 to	148	--

	07/10/2017		
Soft skill development	23/10/2017 to 28/10/2018	355	GLOBARENA

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 by Guidance for Competitive examination	Number of benefited students by Career Counseling activities	Number of students who have passed in the competitive exam	Number of students placed
CIVIL 2017-18	CRT	10	25	5	11
EEE 2017-18	CRT	27	27	16	13
MECH 2017-18	CRT	234			
ECE 2017-18	CRT	25	80	10	48
CSE 2017-18	CRT	148	40	2	52

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	No. of grievances redressed	Average number of days for grievance redressal
Nil	Nil	10 days

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
CIVIL Suther land	30	3	-	-	-
Genpact	28	4	-	-	-
magnatek	28	4	-	-	-
CINIF	22	-	-	-	-
Transpackasia	26	-	-	-	-
Mphasis	21	-	-	-	-
Infosys	25	-	-	-	-
EEETechnovert	-	-	-	-	-
Eidiko	-	-	-	-	-
Apps Associates	-	-	-	-	-
Integrated Wireless Services Pvt. Ltd.	-	1	-	-	-
Pratian Technologies Pvt. Ltd.	-	-	-	-	-

Magnatek Enter Prizes Pvt. Ltd.	-	-	-	-	-
Navata Road Transport Pvt. Ltd.	-	-	-	-	-
Aegis	-	-	-	-	-
Ark IT Services	-	-	-	-	-
CMS IT	-	-	-	-	-
Eureka Forbes Ltd.	-	-	-	-	-
Hinduja Global Solutions	-	1	-	-	-
Intelenet Global Services	-	-	-	-	-
Karvy Group	-	-	-	-	-
Magnatek Enterprizes Pvt. Ltd.	-	-	-	-	-
Reliance Life	-	-	-	-	-
Sri Logillu Developers Pvt. Ltd.	-	1	-	-	-
Subhagruha Projects	-	-	-	-	-
Tata Business Service Supports	-	-	-	-	-
Genpact	-	-	-	-	-
C3i	-	-	-	-	-
Trans Pack Asia	-	-	-	-	-
PathFront	-	-	-	-	-
Medha Servo Drives Pvt. Ltd.	-	-	-	-	-
Rapid Robotics	-	-	-	-	-
Paytm	-	-	-	-	-
Apollo Diagnostics	-	-	-	-	-
Infosys	-	-	-	-	-
Qspiders/Jspiders	-	-	-	-	-
L & T Infotech - 2017 Pos	-	-	-	-	-
HireMe	-	-	-	-	-
Brainfloss Solutions	-	-	-	-	-
Amazon	-	-	-	-	-
Mphasis	-	-	-	-	-
MECH	48	21	Magnetek enterprises	04	04
Magnetek enterprises	29	01	PAYTM	01	01
Navata road transport, ltd	23	12	Wane technologies	-	01
Ark IT Services	09	01	-	-	-
Eureka forbes ltd	15	04	-	-	-
Hinduja global solutions	08	01	-	-	-
Intelenet global solution	05	02	-	-	-
Karvey group	06	01	-	-	-
Reliance Life	03	01	-	-	-
Sri Logillu Developers Ltd	05	01	-	-	-

Genpact	29	01	-	-	-
Transpack Asia	30	01	-	-	-
Q Spiders	29	01	-	-	-
Accenture	06	01	-	-	-
CIM Technologies-EEE	10	01	-	-	-
Techyon technologies-ECE	09	01	-	-	-
Pathfront-CSE	07	01	-	-	-

5.2.2 Student progression to higher education in percentage during the year

Year	Number of students enrolling into higher education	Programme graduated from	Department graduated from	Name of institution joined	Name of Programme admitted to
CIVIL 2017-18	04	B.Tech	CIVIL	IARE	M.Tech structures
EEE 2017-18	03	B.Tech	EEE		PG
MECH	--	--	--	--	
ECE 17-18	10	B.Tech	ECE	MLRIT CMREC,CMRIT	ES VLSI
CSE 2017-18	02	B.Tech	CSE	Not yet joined	MS

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	No. of Students selected/ qualifying	Registration number/roll number for the exam
GRE	14	-
TOFEL	06	-
Civil Services	-	-
State Government Services	10	-

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

Activity	Level	Participants
3 rd Telangana State Football Tournament 3 rd Telangana State Football	Intercollegiate level	Mr.T.Rahul
		Mr.D.Naveen Kumar
		Mr.T.A. Akash Varma
		Mr.K.Prasad
		Mr.MD.Azam
		Mr.Raghavendra
		Mr.B. Vijay Bhaskar
		Mr.A.Vamsi Krishna
		Mr.Rama Krishna
		Mr.S.Karthik
Mr.N.Eshwar		
Mr.N.Magesh		

		Mr.Dikshit
		Mr.Sathivick Reddy
		Mr.Tabaz
		Mr.Ganesh
		Mr.Sai Reddy
		Mr.S.Avinash
		Mr.Ashish Reddy
		Mr.Sumith Reddy
		Mr.Anunnath Reddy
		Mr.Banu Teja
		Mr.Surya
		Mr.Nikhil
		Mr.Mohammed Janeel
		Mr.Pradeep
		Mr.MD.Mosim Ansari
		Mr.T.Rahul
		Mr.D.Naveen Kumar
		Mr.T.A.Akash Varma
		Mr.K.Pradesh
		Mr.MD.Azam
		Mr.Raghavendra
		Mr.B.Vijay Bhaskara
		Mr.A.Vamsi Krishna
		Mr.Rama Krishna
		Mr.S.Karthik
		Mr.N.Eswar
		Mr.N.Magesh
		Mr.Vaibhav
		Mr.Vidya Sagar
		Mr.Krithik
		Mr.Peter Raj
		Mr.Uday Sagar
		Mr.Tony
		Mr.Sathish
		Mr.Khailash
		Mr.Subba Reddy
		Mr.Sreekanth
		Mr.Vaibhav
		Mr.Vidya Sagar
		Mr.Krithik
		Mr.Peter Raj
		Mr.Uday Sagar
		Mr.Tony
		Mr.Sathish
		Mr.Khailash
		Mr.Subba Reddy
		Mr.Sreekanth
		Mr.Vaibhav
JNTUH zone (C) Cricket Tournament		
JNTUH zone (C) Football Tournament		
(SRINIDHI) Basketball Sports Fest	Intercollegiate level-1	
MLRITS Basketball Sports Fest Winners		
JNTUH C Zone Basketball Winners		

		Mr.Vidya Sagar
		Mr.Krithik
		Mr.Peter Raj
		Mr.Uday Sagar
		Mr.Tony
		Mr.Sathish
		Mr.Khailash
		Mr.Subba Reddy
		Mr.Sreekanth
		Mr.Vaibhav
National Sports Day Basketball Tournament at NRCM		Mr.Vidya Sagar
		Mr.Krithik
		Mr.Peter Raj
		Mr.Uday Sagar
		Mr.Tony
		Mr.Sathish
		Mr.Khailash
		Mr. Subba Reddy
Ethnic day	Intercollegiate level	311
Annual Day		300
Technical Fest		220
Student convention tier-1		25
Sakshi Arena Chess		MD.Mosin , 3 rd Position
Sakshi Arena Table Tennis		Mr. K.Kiran Kumar
Sakshi Arena Carroms		Mr. Ajay Kumar
Sakshi Arena Carroms		Mr.K.S.Sai Krishna
60MTS run		Institution
Caroms	27	
Throw ball	7	
Chess	6	
Technial Tressure Hunt	National Level Technical Fest TECHKRITI-2K18	70
Technical quiz		40
Tehcnical dubchardes		40
Paper presetations		15
Poster presenataion		10
Spell O pedia		30

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/ International	Sports	Cultural	Student ID number	Name of the student
2017-18	JNTUH C Zone Basketball Winners	State Level	Basketball	Nil	16X01A0307	Vaibhav
2017-18		State Level	Basketball	Nil	16X01A0307	Vidya Sagar
2017-18		State Level	Basketball	Nil	17X01A05E2	Krithik
2017-18		State Level	Basketball	Nil	17X01E0055	Peter Raj

2017-18		State Level	Basketball	Nil	15X01A05F9	Uday Sagar
2017-18		State Level	Basketball	Nil	18x01d2111	Tony
2017-18		State Level	Basketball	Nil	15X01A05D1	Sathish
2017-18		State Level	Basketball	Nil	16X01A05A0	Khailash
2017-18		State Level	Basketball	Nil	15X01A05A6	Subba Reddy
2017-18		State Level	Basketball	Nil	17X01E0015	Sreekanth
2017-18		State Level	Basketball	Nil	16X01A0334	Mahendar Reddy
2017-18	Shield	National	Short Put	Nil	16X05A0303	B.Lakesh
2017-18	Shield		Rasta	Nil	16X05A0303	B Lakesh
2017-18	Shield		100 Mts Running	Nil	16X05A0303	B Lakesh
2017-18	Bronze Cup		Kabaddi	Nil	16X05A0303	B Lakesh
2017-18	Shield		Kabaddi	Nil	16X01A0344	Y Srikanth
2017-18	Bronze Cup		100 Mts Running	Nil	16X01A0344	Y Srikanth
2017-18	Cup trophy		Chess	Nil	17X01A0336	V Sai Kiran
2017-18	Silver Cup		Chess	Nil	16X01A0317	Akhil Reddy
2017-18	Silver cup		Ball badminton	Nil	17X01A0336	Sujith Chowhan
2017-18	Bronze cup		Chess	Nil	17X01A0357	Natti Raj Kumar
2017-18	Shield		Short Put	Nil	16X05A0303	B Lakesh
2017-18	Shield		Rasta	Nil	16X05A0303	B Lakesh
2017-18	Shield		100 Mts Running	Nil	16X05A0303	B Lakesh
2017-18	Bronze Cup		Kabaddi	Nil	16X05A0303	B Lakesh
2017-18	Shield		Kabaddi	Nil	16X01A0344	Y Srikanth
2017-18	Bronze Cup		100 Mts Running	Nil	16X01A0344	Y Srikanth
2017-18	Cup trophy		Chess	Nil	17X01A0336	V Sai Kiran
2017-18	Silver Cup		chess	Nil	16X01A0317	Akhil Reddy
2017-18	Silver cup		Bal badminton	Nil	17X01A0336	Sujith Chowhan
2017-18	Bronze cup		Chess	Nil	17X01A0357	Natti Raj Kumar
2017-18	JNTUH C Zone Basketball Winners	State Level	Basketball	Nil	16X01A0307	Vaibhav
2017-18		State Level	Basketball	Nil	16X01A0307	Vidya Sagar
2017-18		State Level	Basketball	Nil	17X01E0055	Peter Raj

2017-18			Basketball	Nil	15X01A05F9	Uday Sagar	
2017-18			Basketball	Nil	18X01D2111	Tony	
2017-18			Basketball	Nil	15X01A05D1	Sathish	
2017-18			Basketball	Nil	16X01A05A0	Khailash	
2017-18			Basketball	Nil	15X01A05A6	Subba Reddy	
2017-18			Basketball	Nil	17X01E0015	Sreekanth	
2017-18			Basketball	Nil	16X01A0334	Mahendar Reddy	
2017-18	Won 2 nd prize	National Level		Hacking	14X01A0519	Bhumpalli nagarjuna reddy	
2017-18	Won 1 st prize			Technical quiz		Rangannagari vamshidhar	
2017-18	Won 1 st prize			Technical quiz		Nagubandi chandrakanth	
2017-18	Won 1 st prize			Paper presentation	15X01A0573	Naveen kumar singh	
2017-18	Won 1 st prize			Paper presentation	15X01A05F9	Uday sagar chiluka	
2017-18	Winners			Basket ball		15X01A05D1, 15X01A05F9, 15X01A05G2, 16X01A0580, 17X01A05E1	K.Satish, C.uday sagar, S.vaibhav, Kailash, Krithik
2017-18	Winners		JNTUH-Jone-C	Basket ball		15X01A05D1, 15X01A05F9, 15X01A05G2, 16X01A0580, 17X01A05E1	K.satish, C.uday sagar, S.vaibhav, Kailash, Krithik

5.3.2 Activity of Student Council & representation of students on academic & administrative bodies/committees of the institution

OBJECTIVES OF STUDENT COUNCIL

- To foster and coordinate all students activities in the Institute.
- To identify student issues, and promote discussion on them.
- To develop well informed participative student community life, and create societal awareness.

COMPOSITION

The Principal will be Chief Patron and Dean; student welfare will be the patron of the student council. The student council will have an executive committee and Class/Section Representatives. The executive committee shall consist of the following secretaries and deputy secretaries, who are elected by the electoral colleges mentioned against each position.

EXECUTIVE COMMITTEE

Secretaries

Secretary, Academic

Secretary, Hostels

Secretary, Sports

Secretary, LAN, Wi-Fi , Library and other unassigned miscellaneous matters
Secretary, PG (Engineering)
Secretary, PG Management)
Secretary, Girls – 2 (1 UG &1 PG)

Deputy Secretaries

Dy. Secretary, Academic
Dy. Secretary, Hostels
Dy. Secretary, Sports
Dy. Secretary, LAN, Wi-Fi , Library & other unassigned miscellaneous matters
Dy. Secretary, Girls (UG)

Eligibility Criteria and Election of Secretaries and Deputy Secretaries

Position, Eligibility Criteria, Electoral College

Secretaries (Academic, Hostels, Sports, LAN+Wi-fi+ Library+ others), i) B.Tech final year students including CRs of final year B.Tech, i) Minimum CGPA 6.5 ii) No active backlogs iii) Should not have involved/indulged in any acts of indiscipline, CRs of II, III and IV B.Tech classes Secretaries (Hostels). All CRs and PG Representatives Secretary PG (Engineering), M.Tech Final year students, , PG representatives from all engineering departments Secretary PG (MBA), All the students of M.Tech., MBA Final year, PG representatives from all engineering departments and MBA Departments

Deputy Secretary

(Academic, Hostel, Sports, LAN+Wi-fi+ Library), III B.Tech students including of CRs of III B.Tech, CRs of II, III and IV B.Tech classes

Secretary Girls (UG), Girl Student of B.Tech final year, , Selection by Interview

Secretary Girls (PG), All the girls students of M.Tech, MBA final year, selection by Interview

Class Representatives(CR)

Class representatives for each class shall be elected by all the students of that class, if there is only one section. If there is more than one section in a given year of a particular branch, each section shall elect its class representative. Candidate should have a minimum CGPA of 6.5 and in no event have any active academic backlogs.

One CR from each section of First Year B.Tech.

One CR from each section of Second Year B.Tech.

One CR from each section of Third Year B.Tech.

One CR from each section of Final Year B.Tech.

The number of class Representatives from different branches for M.Tech. students shall be as follows:

- Electrical Engineering, 2
- Mechanical Engineering, 1 (From Thermal Engineering)
- Electronics & Communication Engineering, 1
- Computer Science & Engineering, 2
- One PG representative from M.B.A. course.

Duties and responsibilities of the council

The members of the council shall be assisting in:

Smooth conduct of the Institute Annual Day every year.

Smooth conduct of Foundation Day every year.

Smooth conduct of Fresher's day every year.

Prevention of ragging on the campus through counseling senior students, helping the administration whenever

necessary.

Bring to the notice of the administration the particular requirements for improving the student amenities on the campus.

Helping the administration in smooth conduct of student activities on the campus.

Guiding the junior and needy students to improve their technical, organizational and managerial skills by organizing seminars / symposia / workshops etc.

Encouraging innovative and creative skills of the undergraduate and post-graduate students.

Organizing the sramadan programs on the campus to improve the cleanliness and greenery.

Any activity to improve the knowledge and skills of the campus students.

Maintenance of peace and harmony among campus community in general and student community in particular.

Arrange expert lectures from eminent persons for career and personality development.

Code of conduct of candidates

No candidate shall create mutual hatred or cause tension between different castes and communities, religious or linguistic or between any group(s) of students.

Candidates shall refrain from criticism of all aspects of private life not connected with the public activities of other candidates.

No candidate shall be permitted to make use of print material for the purposes of canvassing.

No candidate shall be permitted to conduct/organize procession or public meeting.

No candidate shall, nor shall his/her supporters, deface or cause any destruction to any property of the Institute.

All candidates shall be prohibited from indulging or abetting activities which are considered to be corrupt practices and offences.

5.3 Alumni Engagement

5.3.1 Whether the institution has registered Alumni Association? Yes/No, if yes give details :

The NRCM Alumni association aims to link the alumni to the institute, develop synergistic plans to support the institution and achieve its vision and to enable the institute to add value to all its stakeholders. Our alumni association conducts alumni events and act as a bridge between all institute programs. Alumni attend the function; they interact and share their views and opinions. So that, all the members of the association can meet once in a year and share their innovative ideas and thoughts for the development of the College. They were greeted well and provided lunch and refreshments. Alumni explicated to organize the meet every year. Around 200 alumni have been enrolled as life members of Association.

5.3.2 No. of ~~registered~~ enrolled Alumni:

200

5.3.3 Alumni contribution during the year (in Rupees) : 2017-2018

46000

5.3.4 Meetings/activities organized by Alumni Association :

Alumini meet is conducted at the college on 24/02/2018

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

Principal Level

The Governing Body delegates all the academic and operational decisions based on policy to the Academic Monitoring Committee headed by the Principal in order to fulfill the vision and mission of the institute. Academic Monitoring Committee formulates common working procedures and entrusts the implementation with the faculty

members.

Faculty Level

Faculty members are given representation in various committees/cells and allowed to conduct various programs to showcase their abilities. They are encouraged to develop leadership skills by being in charge of various academic, co-curricular, and extracurricular activities. They are given authority to conduct industrial tours and to have tie up with industry experts and appointed as coordinator and convener for organizing seminars/workshops/conferences/FDPs. For effective implementation and improvement of the institute following committees are formed. Other units of the institute like sports, library, store etc., have operational autonomy under the guidance of the various committees/cells.

Student Level students are empowered to play an active role as a coordinator of co-curricular and extracurricular activities, social service group coordinator.

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

Yes

Education Management Information System (EMIS) is specially designed to monitor the performance of education programs offered by the institute and to manage distribution and allocation of educational resources. Of course, in the field of education, EMIS has specific roles to help an educational institution grow.

For Students

Students are at the heart of an educating body. EMIS can not only store their personal data and exam records, it can also keep a track of their day-to-day progress which can eventually be used to analyse and track their improvements over time.

This is a more comprehensive approach as compared to legacy databases where the stored data doesn't come to the institution's aid for decision-making.

For Teachers

Same goes for data pertaining to the educators as well. In a developing education institution, the progress of its educators is equally imperative for them as well as the institution itself. They need to update their skills and use the same to provide maximum aid to the students. MIS doesn't only help track the educator's progress, but it also makes their own lives easier as all the data belonging to any student or groups of students can be drilled-down, filtered, and arranged accordingly with a single click.

For The Management

Ease of tracking and analyzing resource distribution and expenditures is one of the biggest motivations for any top-level management of an educating body to look forward to MIS system. By resources, we mean everything that the management invests in: right from assets and infrastructure to study aids and educators.

Additionally, the management is in full control of which administrative or educating body has access to what data. For instance, sparing the staff in-charge of finances, the management can lock the students' financial records from all the other users.

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):

Curriculum Development Curricular Aspects

- Value-added courses imparting transferable and life skills to be conducted
- To introduce certificate programs/self learning courses and study abroad programs
- To motivate students to undertake field projects and internships.
- To conduct programs on contemporary themes to address the gap between industry and academia.
- To conduct programmes on cross cutting issues relevant to gender, environment and sustainability, human values, professional ethics etc.,
- To participate in the NIRF and Ranking by various magazines and agencies.
- To conduct guest lecture on elective subjects
- To enhance the alumni database and increase their participation in the progress of the students/institution

Teaching Learning Process

- To train faculty on emerging trends in TLP / subjects by conducting in house FDP or by deputing to programs
- To encourage faculty to adopt ICT enabled innovative teaching/evaluation methods.
- To motivate advanced learners to participate in national / state level seminars, conferences, competitions, competitive exams and pursue professional courses.
- To offer remedial coaching and special guidance for slow learners and advanced learners.
- To encourage faculty to apply and obtain awards, recognitions and fellowships from recognized institutions.
- To encourage students to secure higher pass percentage and University ranks.

❖ Examination and Evaluation

❖ Research and Development

- To motivate faculty to enroll /complete doctoral programmes; 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 programmes
- 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 Organisations and Non-Government Organisations.
- To encourage NSS units to participate in more extension activities towards community building.
- Infrastructure and Learning Resources
- To implement Learning Management System,
- To enhance the availability and usage of e-journals, books and to increase annual budget for purchase of books and journals.
- To upgrade the furniture, lab equipments, computer lab, bio metric device etc.,

Library, ICT and Physical Infrastructure / Instrumentation The college has a central library with over 29699 volumes of Text/ Reference/ Hand Books. Library subscribes more than 97 national journals and has also large number of e-resources in the form of DVDs and CDs apart from Reports/ Theses/ 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. As a new age library, it provides unlimited access to information in many formats and from many sources. To students at NRCM, it offers a perfect platform for research, innovation and development and a tranquil ambience to explore the world of books.

To begin with the central library is in sync with the latest in technology, offering a balanced combination of print and digital collections. The online databases like IEEE, ASCE, J-GATE Ebcsohost, Knimbus and membership of digital consortia DELNET and other professional bodies have opened up a wealth of opportunities for scholars and students alike.

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, audio-books, e-journals, iPods 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 mind and intellect.

The central library is the heart of the campus. Kindles have recently been added t5o the existing collection of e-books and plans are on to introduce android application for students to check their account status online. 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 department chair person and dean and approval of rests with Provost.
- 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 all members of committee.
- Individual candidate evolution process is done by taking a demo lecture of the candidate, and Considering the previous experience and education Endeavour the financial decision for the selection Was done and offer of the employment is done by dean, the chairperson or the head of the department Will notify the principal and provost who will prepare the letter of appointment with a copy of all Necessary materials sent to the director

❖ Industry Interaction / Collaboration

❖ 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:

i) M.Tech – Computer Science & Engineering (CSE): B.E / B.Tech in Computer Science and Engineering with valid GATE score / based on the rank obtained in the test conducted by JNTU.

ii) M.Tech – Computer Science (CS): B.E / B.Tech in Computer Science and Engineering / Information Technology Computer Science and Systems Engineering. Equivalent (or) MCA with valid GATE score / based on the rank obtained in the test conducted by JNTU.

iii) M.Tech - Very Large Scale Integration (VLSI): B.E / B.Tech in Electronics and Communications Engineering / Computer Science and Engineering / Information Technology / Electronics and Instrumentation Engineering with valid GATE score / based on the rank obtained in the test conducted by JNTU.

iv) M.Tech - Embedded Systems (ES): B.E / B.Tech in Electronics and Communications Engineering / Electrical and Electronics Engineering / Computer Science and Engineering / Information Technology / Electronics and Instrumentation Engineering with valid GATE score / based on the rank obtained in the Test conducted by JNTU.

v) M.Tech – Power Electronics (PE): B.E / B.Tech / AMIE in EEE (or) Equivalent Electrical and Electronics Engineering with valid GATE score / based on the rank obtained in the test conducted by JNTU.

vi) M.Tech – Electrical Power Systems (EPS): B.E / B.Tech / AMIE in EEE (or) Equivalent Electrical and Electronics Engineering with valid GATE score / based on the rank obtained in the test conducted by JNTU.

vii) M. Tech – Thermal Engineering (TE): B.E / B.Tech / AMIE in Mechanical Engineering / Automobile Engineering / Mechanical Engineering (Mechatronics)/ Aeronautical Engineering with valid GATE score / based on the rank obtained in the PGECET

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:
- To implement ‘e-governance’ in Planning and Development, Administration, Finance and Accounts through the implementation of College Management System.
- To provide sponsors for faculty to attend conference/workshop/seminars etc
- To conduct professional development programs for teaching/non-teaching staff
- To conduct academic /administrative audit
- To increase the number of quality initiatives.

Administration

Institutional Values & Best Practices

- To organize more number of programs relating to gender sensitization, environmental consciousness and sustainability, universal values & ethics etc.,
- To undertake green initiatives promoting eco friendliness and enhance the measures towards divyangjan friendliness.
- To take initiatives to contribute to local community/society.

Finance and Accounts

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 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 Student Support Services

- 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 developments programs such as soft skills training life skills, vocational skills, yoga, self-defense, Values 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
- To conduct session to create awareness regarding competitive examinations conducted at state/national and international level

1. Examination Internal assessment

For theory subjects the distribution shall be 25 marks for Internal Assessment

For theory subjects, during a semester there shall be 2 mid-term examinations. Each mid- term Examination consists of one objective paper, one essay paper and one assignment. The objective paper And the essay paper shall be for 10 marks each with a total duration of 1 hour 20 minutes (20 minutes for Objective and 60 minutes for essay paper). The Objective paper is set with 20 bits of multiple choice, fillin the blanks and matching type of questions for a total of 10 marks. The essay paper shall contain 4 full Questions (one from each unit) 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.

2. 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)

For practical subjects there shall be a continuous evaluation during a semester for 25 sessional marks And 50 end semester examination marks. 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

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
2017	CIVIL B. Sudharshan Reddy	5 th colloquium on Transpiration systems engineering and management	NIT Warangal	1000
2017	MECH Mr.M. Venkateswar reddy	Faculty advisor forum 2018 by SAEINDIA Southern section	SAE India	1500
2018	Dr.V.P.V.Murthy	Work shop to train the trainers for implementation of induction program	AICTE ISTE	750
2017	Dr. Maria. Babu	Faculty advisor forum 2018 by SAEINDIA Southern section	SAE India	1500
2017	Mr.N.Nagu Naik	Faculty adviser for SAEINDIA,SOUTHERHN SECTION	SAE India	1500
2017	Mr.S.venkatesh	Faculty advisor forum 2017 by SAEINDIA Southern section	SAE India	1500
2017	Mr. Avinash Pachori	Faculty advisor forum 2017 by SAEINDIA Southern section	SAE India	1500
2017	Mr. Saheb goud	IEEE Conference	IEEE	2500

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	Dates (from- to)	No. of participants (Teaching staff)	No. of participants (Non- teaching staff)
2017- 18	A one day workshop on Recent trends in Transportation engineering		03/02/2018		

2017-18	A one day workshop on Engineering of ground and anatomy of cracks in concrete		22/03/2018		
2017-18	A guest lecture on advanced surveying		10/02/2018		
2017-18	A seminar on Industry Readyness		12/03/2017		
2017-18	5 days faculty development program on CFD at JNTUH		23/04/2018 to 27/04/2018		
2017-18	Guest Lecture on future mobility		31/03/2018		
2017-18	Student development programme on Machine Drawing		14/03/2018		
2017-18	Seminar on ICT Tools		09/03/2018		
2017-18	Seminar on bloom's taxonomy		10/03/2018		
2017-18	AUTOCAD		06/022018		
2017-18	Workshop on HYPERMESH Training		18/12/2017		
2017-18	Workshop on CATIA Training		07/08/2017		
2017-18	FDP on Engineering mechanics made easy		28/06/2017 to 02/07/2017		
2017-18	Awareness workshop on IPR		05/01/2018		
2017-18	IOT Technologies		16/10/2017 to 18/10/2017		
2017-18	Black chain management		29/01/2018 to 30/01/2018		

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	Date and Duration (from – to)
CIVIL A Five Day Faculty Development Programme on Effective Teaching and learning of Flexible Pavement Design	1	17/01/2018 to 21/01/2018
A national level premier faculty development	2	28/06/2017 to

program on engineering mechanics		02/07/2017
A Five Day Faculty Development Programme on Emerging Concepts in Civil Engineering Fields- EC2EF2017	2	11/12/2017 to 16/12/2017
A Five Day Faculty Development Programme on Applications of ANSYS in Civil Engineering	1	27/11/2017 to 02/05/2017
EEE Faculty Development Program on impact of custom power devices in power system	3	27/06/2018 to 01/07/2018
Workshop	1	19/12/ 2017 to 20/12/ 2017
ECE 1. IOT	10	
2. Research methodology	15	
CSE Machine Learning and Data Science With Practical approach for engineering applications	4	03/07/2017 to 08/07/2017
Deep Learning in Data Science	2	06/11/2017 to 17/11/2017
Recent Trends in Data Science	2	11/12/2017 to 16/12/2017
Data Science and R-Programming	1	11/12/2017 to 16/12/2017
Data Science Applications & Practices in R	2	13/12/2017 to 18/12/2017
Python and R- programming	2	03/01/2018 to 09/01/2018
Big Data Analytics And Deep Learning	2	03/01/2018 to 08/01/2018
Advances in Cloud computing	2	21/04/2018 to 26/04/2018
National Workshop in Association with National Cyber Safety and Security Standards, New Delhi on “Security, Privacy, Challenges and Opportunities With Current Tools And Techniques: A Research Perspective”	All CSE Faculty	25/06/ 2018 to 01/07/ 2018.

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

Teaching			Non-teaching	
Department	Permanent	Fulltime	Permanent	Fulltime/temporary
CIVIL	22	22	89	89
EEE	23	23		
MECH	33	33		
ECE	31	31		
CSE	42	42		
MBA	8	8		

6.3.5 Welfare schemes for

Teaching	The management contributes an amount equal to the employee share for 1. EPF. 2. Staff Club 3. Medical Leave Provision is given to the faculty and staff members based on the request.
Non teaching	

	<p>4. Faculty members are allowed to avail Winter and Summer vacation</p> <p>5. On duty leave is provided to faculty members for attending various conferences, workshops, seminars, FDPs and examination duties.</p> <p>6. The management encourages the faculty members for pursuing Ph.D. program by providing adequate number of On duty leave.</p>
Students	<p>Fees concession for the students having good academic background • Scholarship provided by state government. • Medical assistance to students: health centre, health insurance etc. • Skill development (Spoken English, Computer Literacy, etc.,) • Practical Knowledge Training</p>

6.4 Financial Management and Resource Mobilization

6.4.1 Institution conducts internal and external financial audits regularly
Yes. The internal audit of the institutional finances is conducted by the accounts department headed by the accounts manager, a qualified Chartered Accountant. External audit is performed by a separate and registered auditing firm. Last audit was done in financial year 2017-2018

The major sources of institutional receipts/funding are : Students tuition fees

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 CIVIL	Funds/ Grants received in Rs.	Purpose
Management	300000	Lab development
Cadd-pro	10000	Technical Fest
AAB Engineering Ltd	10000	Work shop on recent trends in transportation engineering.

6.4.2 Total corpus fund generated 300000

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	ISO/NAAC/NBA	Yes	other department HODs
Administrative	Yes	Auditor	Yes	Principal/Management

NRCM Code of conduct insists that every teaching staff has to accomplish the academic duties and responsibilities sincerely such as planning and conduct of lecture classes, practical classes, preparation for the course assigned, conduct of internal exams, coaching and students counseling, department development activities and other related files. However, the day to day and routine activities carried out by the teaching staff are monitored and verified for compliance by the department advisory committee at the department level at regular intervals and an internal audit will be conducted by the other department HODs appointed by the principal yearly/semester wise. The parameters and metrics that has to be evaluated are

1. Time Table, Daily Register and Master Attendance
2. Faculty Log book, Lesson Plan and Course Files
3. Intimation to parents regarding absentees
4. Lab Stock Register and Movement register
5. Lab Maintenance Register
6. Consumables Usage Register and Purchase Files

7. Department Budget															
8. Circulars															
9. Class Committee Meeting															
10. Department Meetings															
11. Parents Meeting															
12. Feedback															
13. Result Analysis															
14. Alumni Interaction															
15. Student development initiatives and activities															
16. Faculty development initiatives and activities															
17. Details of functions / lectures/ workshops / seminars organized															
18. R&D and Consultancy															
19. Placement and Training															
6.5.2 Activities and support from the Parent – Teacher Association (at least three)															
Parent's feedback: The feedbacks are collected from the parents whenever they visit the college orally/online and also collected from them through their wards / post with regard to teaching and learning process, outcomes, faculty performance, infrastructure, placement and training activities and other facilities. Based on the feedback, the remedial measures are carried out with sincerity.															
6.5.3 Development programmes for support staff (at least three)															
1. Allowed to go for continuing education															
2. Industrial training during summer vacation is allowed to improve their special skills															
3. Allowed to go for non formal courses															
6.5.4 Post Accreditation initiative(s) (mention at least three)															
6.5.5															
a. Submission of Data for AISHE portal : Yes															
b. Participation in NIRF : Yes															
c. ISO Certification : Yes															
d. NBA or any other quality audit : Yes															
6.5.6 Number of Quality Initiatives undertaken during the year															
<table border="1"> <thead> <tr> <th>Year</th> <th>Name of quality initiative by IQAC</th> <th>Date of conducting activity</th> <th>Duration (from-----to-----)</th> <th>Number of participants</th> </tr> </thead> <tbody> <tr> <td>2017-18</td> <td>ISO9001</td> <td>10/10/2015</td> <td>Three years 10/10/2015 to 09/10/2018</td> <td>All departments</td> </tr> <tr> <td>2017-18</td> <td>NBA</td> <td>CSE 04/12/2017, Mech. 16/02/2018</td> <td>Three years 2017- 30/06/2020</td> <td>Computer Science and Mechanical Engineering</td> </tr> </tbody> </table>	Year	Name of quality initiative by IQAC	Date of conducting activity	Duration (from-----to-----)	Number of participants	2017-18	ISO9001	10/10/2015	Three years 10/10/2015 to 09/10/2018	All departments	2017-18	NBA	CSE 04/12/2017, Mech. 16/02/2018	Three years 2017- 30/06/2020	Computer Science and Mechanical Engineering
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2017-18	NBA	CSE 04/12/2017, Mech. 16/02/2018	Three years 2017- 30/06/2020	Computer Science and Mechanical Engineering											

CRITERIONVII –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-to)	Participants
			Female
			Male
CIVIL/ Strength of Women Entrepreneurs		26/08/2017	22
CIVIL/ Guest lecture on women and society.		03/03/2018	24
CSE/ Strength of women entrepreneur		26/08/2017 to 08/03/2018	100
CSE/ Guest lecture on women & society		26/08/2017 to 08/03/2018	90
7.1.2 Environmental Consciousness and Sustainability/Alternate Energy initiatives such as: Percentage of power requirement of the College met by the renewable energy sources 10%			

7.1.3 Differently abled (Divyangjan) friendliness		
Items Facilities	Yes/No	No. of Beneficiaries
Physical facilities	No	--
Provision for lift	Yes	2
Ramp/ Rails	Yes	2
Rest Rooms	Yes	2
Special skill development for differently abled students	Yes	2
Any other similar facility	No	--

7.1.4 Inclusion and Situatedness

Enlist most important initiatives taken to address locational advantages and disadvantages during the year

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date and duration of the initiative	Name of the initiative	Issues addressed	Number of participating students and staff
2017-18	1	--	06/08/2017	Pollution awareness	Global Warming	141
2017-18	1	--	06/08/2017	Road safety measures	Safety measures	138
MECH 2017	1	1	15/06/2017	Road Safety	Safety while driving	3500
2018	1	1	17/05/2018	Fire hazards	Care to be taken on wastage disposal	4000

7.1.5 Human Values and Professional Ethics

Code of conduct (handbooks) for various stakeholders

Title	Date of Publication	Follow up (maximum 100 words each)
Academia	Rules, Regulations & Code of Conduct-2017	The feedbacks are collected from the stakeholders online and also collected from them through their wards / post with regard to teaching and learning process, outcomes, faculty performance, infrastructure, placement and training activities and other facilities. Based on the feedback, the remedial measures are carried out with sincerity.
Parents		
Alumini		
Industry		
Faculty		
Research		

7.1.6 Activities conducted for promotion of universal Values and Ethics

Activity	Duration (from-----to-----)	Number of participants
Teachers Day	05/08/2018	125
Teachers day	05/09/2017	100
Personality development session	From 02/01/2018 to 04/01/2018	150

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

- All vital communications and circulars are circulated a soft copy layout in order to move towards the concept of establishing 'Paperless Office'.
- Efficient utilization of water and electricity is undertaken in order to minimize the wastage of energy.
- Sapling plantation drive is conducted in all important events and occasions of national importance.

- The campus boasts of a variety of species of flowering and non-flowering plants which gives a pleasing manifestation to the campus.
- Solar lamps have been installed.
- Yoga and Meditation, swatchh bharath, sports, cultural events, and Motivation classes

7.2 Best Practices

Best Teacher

- Best Class
- Best mentor
- Best Department
- Best HOD VI.
- 100% University Result
- Best Outgoing Student
- Topper of the Class
- Subject Topper
- Best Class III, Class IV employees

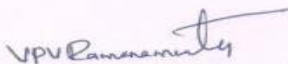

7.3 Institutional Distinctiveness

Provide the details of the performance of the institution in one area distinctive to its vision, priority and thru www.nrcmec.org

NRCM, encourages students towards research and innovation practices. Apart from PG, UG students are also encouraged and given opportunity to get involved in research efforts. The student is required to present the body of work in an objective report and demonstration thereby enabling their critical thinking abilities in problem solving. During the Prefinal year, the student will learn how to: Develop a research proposal Carry out a literature search and write a critical state-of-art review select suitable research methods and integrate them within a research methodology carry out the research processes Analyze results critically write-up the body of work as a technical report outcomes: Also in recent past, students worked on research problems floated with some of the foreign collaborators, have achieved significant success resulting in joint-authored scientific papers. UG and PG students have published more than 25 SCOPUS indexed publications and filed 6 patents in last 5 years from these efforts.

8. Future Plans of action for next academic year (500 words)

- Autonomous status ,Virtual lab, Patents, Research department recognition, Faculty training in industries, Interaction between students and IIT professors, Consultancy work, Technology transfer, Staff Travel grant, Student chapters
- Incubation centers and center of excellence, Research publications ,New teaching methods, Placement Industrial visits

 Name Dr. V. P. Venkataramanamurthy Signature of the Coordinator, IQAC	 Name Dr P. Sekhar Babu Signature of the Chairperson, IQAC PRINCIPAL NARSIMHA REDDY ENGINEERING COLLEGE Survey No.518, Maisammaguda (V), Dhulapally (P). Medchal (M), Medchal District, Hyderabad-500100

Annexure I

Abbreviations:

CAS	-	Career Advancement 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

For Communication with NAAC

The Director

National Assessment and Accreditation Council (NAAC)

(An Autonomous Institution of the University Grants Commission)

P. O. Box. No. 1075, Nagarbhavi

Bengaluru - 560 072

Phone: +91-80-2321 0261/62/63/64/65

Fax: +91-80-2321 0268, 2321 0270

E-mail: director.naac@gmail.com

Website: www.naac.gov.in