



Yearly Status Report - 2019-2020

Part A

Data of the Institution

Part A	
Data of the Institution	
1. Name of the Institution	NARSIMHA REDDY ENGINEERING COLLEGE
Name of the head of the Institution	P. SEKHARBABU
Designation	Principal
Does the Institution function from own campus	Yes
Phone no/Alternate Phone no.	040-29705454
Mobile no.	9949092454
Registered Email	principal@nrcmec.org
Alternate Email	iqaccordinator@nrcmec.org
Address	NARSIMHA REDDY ENGINEERING COLLEGE Maisammaguda (V), Dhulapally (P), Near Kompally, Medchal (M)
City/Town	Secunderabad
State/UT	Telangana
Pincode	500100

2. Institutional Status	
Affiliated / Constituent	Affiliated
Type of Institution	Co-education
Location	Rural
Financial Status	Self financed
Name of the IQAC co-ordinator/Director	Dr V.P.Venkataramanamurthy
Phone no/Alternate Phone no.	09949092454
Mobile no.	9949092454
Registered Email	iqacordinator@nrcmec.org
Alternate Email	venkatrao@nrcmec.org

3. Website Address	
Web-link of the AQAR: (Previous Academic Year)	http://www.nrcmec.org/pdf/IOAC-cell/AQAR%202018-19.pdf
4. Whether Academic Calendar prepared during the year	Yes
if yes,whether it is uploaded in the institutional website: Weblink :	http://www.nrcmec.org/AcademicCalender.html

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

6. Date of Establishment of IQAC	17-Aug-2015
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7. Internal Quality Assurance System

Quality initiatives by IQAC during the year for promoting quality culture		
Item /Title of the quality initiative by IQAC	Date & Duration	Number of participants/ beneficiaries
One Day Entrepreneurship	20-Jul-2019	75

Development Cell (EDC) Awareness Program	1	
Outcome Based Education - FDP	27-May-2020 3	200
Applications of C++ - Seminar	02-Nov-2019 1	150
Android app development- Seminar	01-Aug-2019 1	150
Cyber security - Seminar	04-Oct-2019 2	150
International Conference on innovative trends in engineering science and management (ICITESM-2019) (Conference)	21-Dec-2019 1	40
Machine learning using python & r programming (Learn by Coding)	08-Jul-2019 6	100
Network Simulation and Protocol analysis Using NS2 Nsg2.2 and Wireshark	23-May-2020 3	215

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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
NIL	NIL	NIL	2020 0	0

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9. Whether composition of IQAC as per latest NAAC guidelines:	Yes
Upload latest notification of formation of IQAC	View Link
10. Number of IQAC meetings held during the year :	2
The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website	Yes
Upload the minutes of meeting and action taken report	View Uploaded File

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

1.Assisted in to put emphasis on the Outcome Based Education (OBE) model to upgrade the knowledge, skill and behavior of the learners 2.Established smart classrooms to enhance the teaching learning process 3.Encouraged faculty members to takeup research projects, consultancy and extension activities number of patents 4. Rendered significant backing to obtain 25th position among the institutions of higher education in India, in the ranking of the times of India 5. Supported to conduct academic audits

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

Plan of Action	Achievements/Outcomes
Institutional Values and Best Practices	To maintain the gender balance in the faculty and non-teaching staff members. To empower the students to organize departmental events
Governance, Leadership and Management	To facilitate IPR creation to the students, executing novel projects during annual inter-collegiate symposium.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.
Student Support and Progression	To increase the industry-oriented students project.To Introduce indicators to encourage the students to participate in community and extension activities through various clubs and associations. To increase the number of students qualifying in GATE / GRE / IELTS / GMAT / CAT.
Infrastructure and Learning Resources	To complete the construction of new block beside MT Block.To purchase more standard text books in all the disciplines.
Research, Innovations and Extension	To submit more proposals to various funding agencies. To enhance consultancy and testing services

	offered by the Institute. To publish more research papers in the SCI and Scopus Index journals.
Teaching, Learning and Evaluation	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.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.
Curricular Aspects	To conduct value added courses, in plant training, industrial visit.To introduce more number of Elective subjects.To introduce guest lecture, Novel student projects To teach content beyond the syllabus, curriculum feedback Student Satisfaction Survey.
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14. Whether AQAR was placed before statutory body ?	Yes
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Name of Statutory Body	Meeting Date
Management	14-Aug-2019

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	Yes
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Date of Visit	19-Nov-2019
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16. Whether institutional data submitted to AISHE:	Yes
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Year of Submission	2020
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Date of Submission	30-Jun-2020
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17. Does the Institution have Management Information System ?	Yes
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If yes, give a brief description and a list of modules currently operational (maximum 500 words)	NRCM College Management System connects the students, staff members, parents and management of our institution which covers each and every activities of the
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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, email, 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

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

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. 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.

1.1.2 – Certificate/ Diploma Courses introduced during the academic year

Certificate	Diploma Courses	Dates of Introduction	Duration	Focus on employ ability/entrepreneurship	Skill Development
Auto cad training	NIL	02/12/2019	60	employability	Skill Development

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
BTech	Engineering Mechanics EE301ES	15/07/2019
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1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective course system implemented at the affiliated Colleges (if applicable) during the academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
BTech	CE	03/06/2019

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

	Certificate	Diploma Course
Number of Students	60	0

1.3 – Curriculum Enrichment

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

Value Added Courses	Date of Introduction	Number of Students Enrolled
Gender sensitization (II/II CIVIL)	12/12/2019	66
E-tabs Training (CIVIL)	20/12/2019	60
Android Application Development-CSE	10/08/2019	75
Advanced Data Analytics using Open Source Tools-CSE	20/02/2020	89
Constitution of India-ECE	28/12/2018	121
Gender Sensitization -ECE	27/11/2018	117
Campus Recruitment Training Programme	15/07/2019	42
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1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
BTech	Internship for main project (CIVIL)	71
BTech	South Central Railway, Lalaguda, Secunderabad.-ME	13
BTech	Web Development-CSE	78
BTech	Automation Testing-CSE	86
BTech	Software Development Engineer (Amazon WoW Applications)-CSE	92
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1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	Yes
Alumni	Yes
Parents	Yes

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

Feedback Obtained
<p>This institute 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.</p>

CRITERION II – TEACHING- LEARNING AND EVALUATION

2.1 – Student Enrolment and Profile

2.1.1 – Demand Ratio during the year

Name of the Programme	Programme Specialization	Number of seats available	Number of Application received	Students Enrolled
BTech	CSE	180	278	180
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2.2 – Catering to Student Diversity

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

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution	Number of fulltime teachers available in the institution	Number of teachers teaching both UG and PG courses

			teaching only UG courses	teaching only PG courses	
2019	1776	0	135	0	0

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
135	98	21	8	5	7

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

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

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

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 13 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.)

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
1776	135	1 : 13

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

135	135	0	23	34
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2.4.2 – Honours and recognition received by teachers (received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the year)

Year of Award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
2019	Sravanthi. A	Assistant Professor	Best teacher award by NRCM
2019	Dr.S.M Ramesh	Professor	Best Researcher award by IASTE
2019	Mrs K.Lakshmi	Associate Professor	Long time faculty
2019	Mr.A.Veera babu	Associate Professor	Long time faculty
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2.5 – Evaluation Process and Reforms

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

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of results of semester-end/ year- end examination
BTech	EEE	II-I	14/12/2019	16/02/2020
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2.5.2 – Reforms initiated on Continuous Internal Evaluation(CIE) system at the institutional level (250 words)

For theory subjects the distribution shall be 25 marks for Internal Assessment and 75 marks for External Assessment. For theory subjects, during a semester there shall be 2 midterm examinations. Each mid- term examination consists of one objective paper, one descriptive paper and one assignment. The objective paper and the descriptive paper shall be for 10 marks each with a total duration of 1 hour 20 minutes (20 minutes for objective and 60 minutes for 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 (250 words)

The institution ensures effective time management and timeliness. It receives the university given timeline and adheres to it. In the beginning of the academic year, academic calendar is published by the University for Respective Course. The college carries out effective planning to stick to academic calendar. This allows the teachers and the students to space out their teaching and learning and regular assessment of the same. The college conducts assessment to the students in three different components - theory, objective and assignments. The theory component is marked 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)

http://nrcmec.org/co_pso.html

2.6.2 – Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students appeared in the final year examination	Number of students passed in final year examination	Pass Percentage
5	BTech	CSE	137	103	75.18
4	BTech	ECE	81	53	65.43

3	BTech	ME	76	38	50
2	BTech	EEE	48	26	54.17
1	BTech	CE	53	36	67.92
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2.7 – Student Satisfaction Survey

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

<http://www.nrcmec.org/Student%20Satisfactory%20Survey.html>

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 – Resource Mobilization for Research

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

Nature of the Project	Duration	Name of the funding agency	Total grant sanctioned	Amount received during the year
Industry sponsored Projects	90	DVNBK Industries	0.35	0.35
Industry sponsored Projects	90	Unisystems	0.3	0.3
Major Projects	30	Tech Port Software Services Pvt.Ltd.	0.5	0.5
Major Projects	30	Sruta software solutions	0.25	0.25
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3.2 – Innovation Ecosystem

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

Title of workshop/seminar	Name of the Dept.	Date
Two day workshop on CATIA	ME	02/03/2019
Role of electronics and Software automotive Advancements	ME	07/09/2019
Missile Material Processes, Aerospace Materials Process involved	ME	04/09/2019
PCB Designing	ECE	03/08/2019
Android Based Robotics	ECE	28/09/2019
Ethical Hacking	CSE	18/07/2019
Internet Of Things	CSE	19/09/2019
Python Programming and Web Design	CSE	06/01/2020

Big Data analytics	CSE	24/02/2020
A webinar on IPR	CE	09/12/2019
A seminar on Employability skills	CE	06/01/2020
A seminar on career opportunities	CE	07/02/2020
Two day workshop on HYPERMESH	ME	21/09/2019

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

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
Process innovation	Prabakar. M	Sruta software solutions	18/12/2019	Software
Smart Seat Belt System	Dr.M.Babu Mr.P.Naveen Kumar	ALLINNOV RD Pvt.Ltd	15/02/2019	Patent
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3.2.3 – No. of Incubation centre created, start-ups incubated on campus during the year

Incubation Center	Name	Sponsored By	Name of the Start-up	Nature of Start-up	Date of Commencement
NIL	NIL	NIL	NIL	NIL	Nil
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3.3 – Research Publications and Awards

3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
2	1	0

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

Name of the Department	Number of PhD's Awarded
CE	1
Humanities and Sciences	1

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

Type	Department	Number of Publication	Average Impact Factor (if any)
National	CSE	6	1.9
National	ECE	3	2
International	CSE	7	1.6
International	EEE	18	1.13
International	Humanities and Sciences	1	1.5
National	CE	3	3
International	CE	1	1.5
International	ME	23	7.12

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

Department	Number of Publication
CE	1
ME	14
ECE	29
CSE	1

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

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citation
Critical analysis of random frequency inverted sine carrier PWM fortification for half-controlled bipolar three-phase inverters	Dr.K Eswaramoorthy	Journal of Power Electronics	2020	2	JNTUH	2

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3.3.6 – h-Index of the Institutional Publications during the year. (based on Scopus/ Web of science)

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
NIL	NIL	NIL	2020	0	0	NIL

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

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	2	2	0	2

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3.4 – Extension Activities

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

Title of the activities	Organising unit/agency/ collaborating agency	Number of teachers participated in such	Number of students participated in such
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		activities	activities
Hartihaharam	State Government	7	150
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3.4.2 – Awards and recognition received for extension activities from Government and other recognized bodies during the year

Name of the activity	Award/Recognition	Awarding Bodies	Number of students Benefited
Swatch Bharat	Clean award	Lions Club-Hyd	10
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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 participated in such activities	Number of students participated in such activities
Haritharam	CREDA	Tree plantation	8	52
Swatch Bharat	Govt.School-Bhahadurpally	Swatch Bharat	11	103
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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
FDP	Faculty	NRCM	6
Seminar	Students & Faculties	NRCM	1
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3.5.2 – Linkages with institutions/industries for internship, on-the- job training, project work, sharing of research facilities etc. during the year

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration From	Duration To	Participant
Institute	Project	QSpiders	05/01/2019	31/03/2020	53
Internship	Internship	Path creators	02/05/2020	31/05/2020	23
Mini Project work-CE	MOU	CADD Pro organisation	17/12/2019	20/02/2020	62
Major Project Work-CE	MOU	CADD Pro organisation	05/01/2019	30/03/2020	61
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3.5.3 – MoUs signed with institutions of national, international importance, other universities, industries, corporate

houses etc. during the year

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
GVPR Engineers limited	04/02/2020	Training to students	60
CADDPRO organization	24/12/2019	Training to students	70
Engineers CAD centre pvt ltd	01/01/2020	Training to students	68
Avail Robotech Solutions	21/06/2019	Project	40
Canter CADD	25/01/2020	Training on CAD Softwares	53
Armtroniclabs. Pvt Ltd	16/07/2019	Mini project work	80
Silicon Circuit Research Labs Pvt. Ltd	16/07/2019	Seminar	118
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CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

4.1 – Physical Facilities

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

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development
10	9.55

4.1.2 – Details of augmentation in infrastructure facilities during the year

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

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

Name of the ILMS software	Nature of automation (fully or partially)	Version	Year of automation
NewGenLib	Partially	3.1 Beta-1 Discover	2014

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	31083	8489958	581	282863	31664	8772821
Reference Books	3506	Nil	123	Nil	3629	Nil
Journals	840	1791072	90	237200	930	2028272
e-Journals	Nil	615261	Nil	85786	Nil	701047
Digital Database	Nil	8360	Nil	Nil	Nil	8360
Others (specify)	Nil	53776	Nil	9829	Nil	63605
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4.2.3 – E-content developed by teachers such as: e-PG- Pathshala, CEC (under e-PG- Pathshala CEC (Under Graduate) SWAYAM other MOOCs platform NPTEL/NMEICT/any other Government initiatives & institutional (Learning Management System (LMS) etc

Name of the Teacher	Name of the Module	Platform on which module is developed	Date of launching e-content
NIL	NIL	NIL	Nil
No file uploaded.			

4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MBPS/GBPS)	Others
Existing	720	28	65	7	16	12	12	950	0
Added	0	0	0	0	0	0	0	0	0
Total	720	28	65	7	16	12	12	950	0

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

1000 MBPS/ GBPS

4.3.3 – Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media centre and recording facility
NIL	Nil

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
42.3	33.78	263.3	261.96

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

The institution practices a policy of decentralization of authority for efficient look over, maintenance and best utilization of its available resources. The following initiatives are taken to implement the policy. i. The 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. 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.

http://nrcmec.org/procedures_n_policies.html

CRITERION V – STUDENT SUPPORT AND PROGRESSION

5.1 – Student Support

5.1.1 – Scholarships and Financial Support

	Name/Title of the scheme	Number of students	Amount in Rupees
Financial Support from institution	Nil	0	0
Financial Support from Other Sources			
a) National	Telangana Govt. Fee reimbursement	1089	39249800
b) International	Nil	0	0
No file uploaded.			

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
Mentoring-CE	09/07/2019	66	NRCM
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5.1.3 – Students benefited by guidance for competitive examinations and career counselling offered by the institution during the year

Year	Name of the scheme	Number of benefited	Number of benefited	Number of students who	Number of students placed
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		students for competitive examination	students by career counseling activities	have passed in the comp. exam	
2019	CRT	40	40	20	16
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5.1.4 – Institutional mechanism for transparency, timely redressal of student grievances, Prevention of sexual harassment and ragging cases during the year

Total grievances received	Number of grievances redressed	Avg. number of days for grievance redressal
0	0	10

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
TCS	2	2	UTRACON STRUCTURAL SYSTEMS PVT LTD	11	11
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5.2.2 – Student progression to higher education in percentage during the year

Year	Number of students enrolling into higher education	Programme graduated from	Department graduated from	Name of institution joined	Name of programme admitted to
2019	3	B.Tech	EEE	MREC	MS, PG
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5.2.3 – Students qualifying in state/ national/ international level examinations during the year (eg:NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services/State Government Services)

Items	Number of students selected/ qualifying
GRE	24
TOFEL	22
GATE	9
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5.2.4 – Sports and cultural activities / competitions organised at the institution level during the year

Activity	Level	Number of Participants
Tech-Fest	National Level	172
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5.3 – Student Participation and Activities

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

Year	Name of the	National/	Number of	Number of	Student ID	Name of the
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	award/medal	Internaional	awards for Sports	awards for Cultural	number	student
2020	NIL	National	Nil	Nil	00	NIL
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5.3.2 – Activity of Student Council & representation of students on academic & administrative bodies/committees of the institution (maximum 500 words)

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, LANWi-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, LANWi-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. **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.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

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.

5.4.2 – No. of enrolled Alumni:

40

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

31000

5.4.4 – Meetings/activities organized by Alumni Association :

Alumini meet is conducted at the college.

CRITERION VI – GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 – Institutional Vision and Leadership

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

The 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

6.2 – Strategy Development and Deployment

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

Strategy Type	Details
Admission of Students	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. 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.

Industry Interaction / Collaboration

i. Institution has interacted and collaborated with various industries.
ii. Education tours and field visits are organized for various classes from time-to-time.

Human Resource Management

Human Resource Management i) 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. ii) Recruitment positions are co-ordinate by department chair person and dean and approval of rests with Provost. iii) 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. iv) 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.

Library, ICT and Physical
Infrastructure / Instrumentation

The automation of library, institution has spent a large amount of money for buying new Text Books, Reference Books, subscribe the research journals and also fulfil the other requirements. c.Addition of new P.C's for ICT development. d.Updating of existing P.C's. e.Addition of computer accessories. f.For the improvement of internet speed. g.Installation of railing in Shooting Range. h.Installation of Exhaust Fans, Fire Extinguishers, Almira's, Tables, Benches, Racks etc.

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.,
- 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.,

Examination and Evaluation

To make the learning more productive and the evaluation more authentic, the system of learning and evaluation needs to be improved both at university and institution level. Examination reforms initiated by the institution are: i.As per university guidelines 75 attendance is mandatory for all the students to appear in the final examinations. Messages and letters are sent to defaulters and the PTMs are organized to sensitize the parents. ii.Spot Evaluation has been introduced for fair evaluation. Evaluation reforms initiated by the institution are: a.Special tests are arranged for advanced and slow learners. b.Assignments based internal assessment is introduced in all courses. c.To bring uniformity in marking, scripts marked by fresh teachers are rechecked by seniors randomly, and anomalies if any, are removed. d.Answer sheets of the House Tests after marking are shown and discussed with students to bring the fairness in the evaluation system. e.The list of internal assessment marks is displayed on the notice board so that the students may point out, in case of any discrepancy.

Teaching and Learning

- 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

	<p>apply and obtain awards, recognitions and fellowships from recognized institutions. • To encourage students to secure higher pass percentage and University ranks.</p>
Curriculum Development	<ul style="list-style-type: none"> • 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

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

E-governance area	Details
Finance and Accounts	<p>a. Institution follows the proper mechanism regarding the maintenance of Finance and Accounts. b. College prepared its financial report and also being discussed in the Budget-Meetings of management committee. After detailed discussion, the financial reports are being finalised by the College. c. College's accountant prepared the financial report and analysed by the chartered accountant.</p>
Student Admission and Support	<p>a) Admission committees are constituted by the Principal. b) Due to the pandemic of COVID-19, students have facility of both Online and Offline Admission. c) Students have facility of Online classes and they can also access their study material online. d) Students can access every type of information regarding their selves on ERP System.</p>
Examination	<p>JNTUH provided every type of information regarding examination i.e. registration, examination forms, date-sheets, roll nos. to the students online.</p>
Planning and Development	<p>Planning and Development is an important and essential part of an</p>

institution. College has developed its inbuilt ERP system from which all types of college data and information can be easily access. This available data helps in immediately planning without wasting precious time. Second major benefit of this system is that, institution can share every type of information and planning to their employees online. So, this online practice makes planning and development more effective and accurate.

Administration

a)Online Offline Admission. b)Hostel management is completely connected with ERP System. c)Information regarding hostlers Check-in and Check-out always remains in the hands of parents through ERP System. d)Students Admission Support, Library, HRD, Finance and Accounts are fully computerized.

6.3 – Faculty Empowerment Strategies

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

Year	Name of Teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
2019	J. Venkata Vara Prasad	Recent Advances In Civil Engineering	NRCM	2500

[View File](#)

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

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
Nil	NIL	NIL	Nil	Nil	Nil	Nil

No file uploaded.

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

Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration
A Five Day Faculty Development	7	17/08/2019	21/08/2019	5

Programme on Effective Teaching and learning of Flexible Pavement Design

No file uploaded.

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

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
135	135	70	70

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
<p>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. 4. Faculty members are allowed to avail Winter and Summer vacation 5. On duty leave is provided to faculty members for attending various conferences, workshops, seminars, FDPs and examination duties. 6. The management encourages the faculty members for pursuing Ph.D. program by providing adequate number of On duty leave.</p>	<p>The management contributes an amount equal to the employee share for 1. EPF. 2. Staff Club 3. Medical Leave Provision is given to the staff members based on the request.</p>	<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 (with in 100 words each)

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 2018-19 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	Funds/ Grnats received in Rs.	Purpose
TCS	351463	online exams
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6.4.3 – Total corpus fund generated

351463

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

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

Parent's feedback: The feed-backs 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)

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

6.5.5 – Internal Quality Assurance System Details

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

6.5.6 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
2020	NBA	29/02/2020	29/02/2020	02/03/2020	53
No file uploaded.					

CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES**7.1 – Institutional Values and Social Responsibilities**

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

Title of the programme	Period from	Period To	Number of Participants	
			Female	Male
CIVIL/ Guest	03/10/2019	03/10/2019	27	0

lecture on women and society.				
Strength of Women Entrepreneurs	19/08/2019	19/08/2019	31	0
Womens Day Celebration	08/03/2020	08/03/2020	46	0

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

Percentage of power requirement of the University met by the renewable energy sources
<p>Yes, The College has internal mechanism to look in to the environmental audit. Institute does not compromise in maintaining ecofriendly environment. Since its inception, the Institution has taken steps for green initiative. First among them is plantation of about trees. Second green initiative to reduce the carbon emission is, by minimizing the usage of conventional electrical energy with the installation of alternate energy sources such as solar photo voltaic power plant of 100 KV. Third step in maintaining low carbon content is the avoiding usage of plastic in campus and encouraging the use of degradable paper disposables. Sensor based street lights have been installed in the college campus.</p>

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	0
Provision for lift	Yes	1
Ramp/Rails	Yes	1
Rest Rooms	Yes	7
Scribes for examination	Yes	0
Special skill development for differently abled students	Yes	0

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
2019	1	1	26/01/2020	1	Republic Day	Flag Hoisting	38
View File							

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

Title	Date of publication	Follow up(max 100 words)
Rules, Regulations Code of Conduct-2017	02/01/2017	The Institute follows the proper professional

and ethical code in the premises. A specified code of conduct has been framed for staff, students and the governing body. The code for staff and students is displayed on the college website and also conveyed to them through meetings, induction programmes

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Teachers Day	05/09/2019	05/09/2019	243
Traditional day	30/01/2020	30/01/2020	1356
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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. 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, sports, cultural events, and Motivation classes Sapling plantation drive is conducted in all important events and occasions of national importance.

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

Best Practice: 1. Curriculum Development ? A Comprehensive development of curriculum for all the autonomous programs is carried out based on the Program revision policy of the College. Benchmarking of the programmes with reputed international and national Universities/Institutes is carried out by a Program Benchmarking team with the approval of the Benchmarking Universities/Institutes by the HODs Committee. This report along with the feedback from stakeholders and the new developments in the field scanned by the faculty are used to revise the curriculum. The curriculum is then approved by the respective Board of study and the College Academic Council. ? The Choice Based Credit Transfer (CBCT) is also in place for all the autonomous programmes of study. Best Practice: 2. Academic Calendar ? Academic calendar is prepared at the beginning of every academic year and implement to it that include the academic sessions and the Mid Term Examinations and the Semester end examinations. Best Practice: 3. Orientation Programme ? Orientation program is conducted for first year students as per AICTE norms at the beginning of every academic year. The students are made aware of the College Vision, Mission. Special emphasis is given to enhance the communication skills to the. They are familiarized with the Laboratory and other facilities. They are introduced to the Library services including digital library. They get familiarized with the faculty member and office staff. ? The lateral entry students who directly join the second year of the program are also given orientation for a brief period as they join after the academic session began. However, bridge courses to them are conducted after class hours without disturbing the regular course work. Best Practice: 4. Monitoring the course delivery ? Class coordination committees of each class meet once every month to discuss the status of syllabus coverage,

continuous evaluation, discipline problems, if any, nonperforming students, students with chronic absenteeism etc. They also take up corrective actions and these are reviewed by the department committee and also by the academic monitoring team. They plan the remedial classes where necessary. Best Practice: 5. Mentoring system ? The mentoring system is designed to assist the students in academic and general issues they face during the four year period of the degree. A faculty member is assigned as a mentor for a group of 30 students in the first year itself. The same mentor may continue with the group till the final year. The mentoring is conducted in a structured way. The mentor and the students meet at least one hour in every week as per the schedule in the time table. The mentor counsels the students in not only the issues related academics but also some of their personal issues and a proper guidance and support is provided to ensure the comfort of the students in the campus. In the cases where advanced counseling is needed, the student is referred to the psychological counselor. The mentors also participate in the class review meetings and discuss about the students with the teachers of the class. Best Practice: 6. Internship and final Project ? Provision is made for industry based projects where the students can work in the Company for four to five months for their project. Students are allowed to take MOOC courses of the equivalent subjects of the final semester with the approval of the Department. Best Practice: 7. Innovation, Incubation and Entrepreneurship ? The Centre for Innovation, Incubation and Entrepreneurship of the College organizes training programmes, workshops and Seminars on innovation and idea generation. College has started incubation activities where the students are provided space as needed and encouraged to utilize all the facilities, equipment and software, of the College to develop the idea into a product/service. ? The College also makes special efforts to get the students mentored for innovation and entrepreneurship. Forty students have been chosen by ten entrepreneurs to mentor the students for innovation and entrepreneurship during the current academic year. ? Entrepreneurship is introduced as a chapter in a core subject and special lectures/workshops are arranged on entrepreneurship. Best Practice 8. College Management Information System (ERP) ? The College has adopted an ERP system to maintain all the systems - academic, administrative, HR, and financial systems.

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

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

7.3 – Institutional Distinctiveness

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

NRCM, 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 SCOPUS indexed publications and filed patents in last 5 years from these efforts.

Provide the weblink of the institution

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

8.Future Plans of Actions for Next Academic Year

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. Secondly to continue serving the nation by providing affordable quality education and producing well educated and employable citizens with high moral and humanitarian values. Our topmost priority is to enable underprivileged bright students to pursue their dreams of higher education. We strongly believe that no deserving students should be deprived of higher education due to the lack of affordability.