



## Yearly Status Report - 2018-2019

### Part A

#### Data of the Institution

<b>1. Name of the Institution</b>	DNR COLLEGE OF ENGINEERING AND TECHNOLOGY
Name of the head of the Institution	U RANGA RAJU
Designation	Principal
Does the Institution function from own campus	Yes
Phone no/Alternate Phone no.	08816-221237
Mobile no.	9000380115
Registered Email	dnr cet@gmail.com
Alternate Email	aodnre@gmail.com
Address	BALUSUMUDI, BHIMAVARAM, WEST GODAVARI DISTRICT, ANDHRA PRADESH, INDIA
City/Town	BHIMAVARAM
State/UT	Andhra Pradesh
Pincode	534202

2. Institutional Status					
Affiliated / Constituent		Affiliated			
Type of Institution		Co-education			
Location		Urban			
Financial Status		private			
Name of the IQAC co-ordinator/Director		B.V.S VARMA			
Phone no/Alternate Phone no.		08816221238			
Mobile no.		9912712546			
Registered Email		phdvarma@gmail.com			
Alternate Email		aodnre@gmail.com			
3. Website Address					
Web-link of the AQAR: (Previous Academic Year)		<a href="https://dnrcet.org/web/igac/ssr/">https://dnrcet.org/web/igac/ssr/</a>			
4. Whether Academic Calendar prepared during the year		Yes			
if yes,whether it is uploaded in the institutional website: Weblink :		<a href="https://dnrcet.org/web/igac/academic-calendars/">https://dnrcet.org/web/igac/academic-calendars/</a>			
5. Accrediation Details					
Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
1	B++	2.77	2019	15-Nov-2019	14-Nov-2024
6. Date of Establishment of IQAC			04-Jul-2016		
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	
Improvement of the Quality in the System		28-Mar-2019 1		90	

Initiative of Pre Hackthon	17-Jul-2018 1	42
<a href="#">View File</a>		

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

Institution/Department/Faculty	Scheme	Funding Agency	Year of award with duration	Amount
ECE	For organizing seminar/conference in India	ICSSR	2018 2	250000
<a href="#">View File</a>				

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

Yes

Upload latest notification of formation of IQAC

[View File](#)

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

6

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

Yes

Upload the minutes of meeting and action taken report

[View File](#)

**11. Whether IQAC received funding from any of the funding agency to support its activities during the year?**

No

**12. Significant contributions made by IQAC during the current year(maximum five bullets)**

Internal Academic audit in all departments.

Feedback forms collected from stakeholders and analysed.

Motivating the departments to organize seminar/ workshops.

Motivating the departments to publish papers in authorised UGC journals.

No Files Uploaded !!!

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

Plan of Action	Achivements/Outcomes
Project exhibitions	Improved the student level of thinking and skill set improved
Internal Academic audit in all departments	Ensures transparency and verification for smooth functioning of the department
No Files Uploaded !!!	
14. Whether AQAR was placed before statutory body ?	No
15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	No
16. Whether institutional data submitted to AISHE:	Yes
Year of Submission	2019
Date of Submission	31-Jan-2019
17. Does the Institution have Management Information System ?	Yes
If yes, give a brief description and a list of modules currently operational (maximum 500 words)	ECAP: The following are the modules which are operational 1. Academics 2. Examinations 3. Library 4. Employee 5. Correspondance

## 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

The College is affiliated to JNTUK University and hence follows the curriculum prescribed by the university. The Curriculum planning and implementation is prepared by the institution guided by the Vision, Mission, Core Values and other social responsibilities that the institution has to discharge in tune with the national goals. At the beginning of every academic year, the IQAC commences meeting with all HODs and initiates the process of preparation of the blueprints for Curriculum planning and deployment by every department. The Head of the Departments convene meetings and prepare the curriculum planning and deployment blueprint. Periodic meetings of the Heads are convened to review the process of implementation. The institution ensures delivery of the curriculum in the following ways: • Allotment of work load in each department is done based on specialization/options of faculty. • Timetables are prepared by the timetable Committees in the departments and are approved by the Principal. • Faculty members prepare lecture notes and teaching plan for theory subjects and

Lab manuals for Practical subjects according to the curriculum of JNTU, Kakinada before commencement of class work. • Based on the prerequisites, extra hours are allotted to certain subjects than that prescribed by the affiliating University. • HoDs monitor the syllabus coverage by collecting reports every 15 days • Adherence to syllabus completion as per teaching plans is also monitored through teaching dairies where faculty members write the topics covered in each lecture. • Class teacher continuously evaluates to identify weak students and plans remedial classes if necessary. • Feedback from students is obtained twice in a semester for each course on various aspects of teaching learning process.

• Internal exams for theory and practical subjects are conducted as per schedule from the Affiliating University. • Question papers for the internal tests are designed such that the course outcomes are attained. • Teaching faculty are entrusted with the task of mentoring 15 to 20 students on academic and personal issues, leading to a better learning atmosphere and to sustain their performance. • Contents beyond the syllabus are taught through guest lectures by experts from the industry, industrial visits and e-learning. •

Periodic meetings are conducted by the Principal with HODs to review on syllabus completion and student's performance in Academic and Non Academic aspects. • DELNET, NPTEL are provided in library to supplement the syllabus • Teachers are encouraged to adopt audio-visual teaching methods such as PPTs, ICT tools and online Moodle courses.

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

Certificate	Diploma Courses	Dates of Introduction	Duration	Focus on employability/entrepreneurship	Skill Development
Certificate Course on AUTO CAD		25/06/2018	6	Employability	AUTO CAD drafting skills were developed
certificate Training Programme on Robotics		25/06/2018	6	Employability	Technical skills were developed
certificate Training Programme on Solid works		03/12/2018	6	Employability	Technical skills were developed
3 D Animation		07/09/2018	3	Employability	Technical skills were developed
workshop on Introduction to Internet of Things and its Practical Perspectives		16/07/2018	2	Employability	Technical skills were developed
Technical Seminar on National Security Strategic Studies - Cyber		22/02/2019	2	Employability	Technical skills were developed

Security its Use Cases				
Python Programming	11/02/2019	10	Employabilit y	Technical skills were developed
Mobile Application Development	07/12/2018	8	Employabilit y	Technical skills were developed
Electrical Vehicles	30/07/2018	1	Employabilit y	Technical skills were developed
Advancements on switchgare protection	25/01/2019	1	Employabilit y	Technical skills were developed

## 1.2 – Academic Flexibility

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

Programme/Course	Programme Specialization	Dates of Introduction
Mtech	CE, ME,ECE,CSE	27/08/2018
BTech	CE, EEE,ME,ECE,CSE	11/06/2018
<a href="#">View File</a>		

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

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
BTech	CE, EEE,ME,ECE,CSE	11/06/2018
Mtech	SE,MD,DECS,CSE	27/08/2018

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

	Certificate	Diploma Course
Number of Students	1144	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
Training on aptitude and reasoning	18/06/2018	153
Training on interpersonal skills	09/07/2018	72
Training on leadership qualities	30/07/2018	65
Training on Emotional intelligence	07/03/2019	85
Training on Communication skills	27/03/2019	130
No file uploaded.		

### 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	CIVIL	13
BTech	EEE	6
BTech	MECH	12
BTech	ECE	8
BTech	CSE	33
No file uploaded.		

### 1.4 – Feedback System

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

Students	Yes
Teachers	Yes
Employers	No
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>In order to ensure constant growth of the institution and progress of the students, we have an effective feedback mechanism which collects the feedback on curriculum/courses and other aspects from different stakeholders such as the Students, Parent, Faculty and Alumni. The taken feedback will be analyzed and submitted to the higher authorities for the improvement of the quality in the institution. The frequency of collecting feedback from various stakeholders on curriculum and developmental activities is as follows: 1. Students and Faculty - Twice in a semester. 2. Parents and Alumni -Once in a year. The obtained feedback will be analyzed and the outcomes shall be utilized for the overall development of the institution.</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
Mtech	ENGINEERING & TECHNOLOGY	72	50	47
BTech	ENGINEERING & TECHNOLOGY	540	400	396
No file uploaded.				

### 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	Number of students enrolled in the institution	Number of fulltime teachers available in the	Number of fulltime teachers available in the	Number of teachers teaching both UG

	(UG)	(PG)	institution teaching only UG courses	institution teaching only PG courses	and PG courses
2018	1336	76	92	20	17

## 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
129	129	8	11	3	3

[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)

Yes, Teacher Guardian Scheme is implemented in the institute wherein 15 to 20 students are assigned to each faculty member who acts as their mentor for the entire programme duration. Students are counseled by the mentors, class advisors, subject faculties and HOD for improving their academic performance and attendance. Mentors and Class advisors counsel the students regarding their performance and additional lectures and practicals will be scheduled for assisting slow learners. The aim of the mentoring is to understand the attitude of learners, to improve academic performance of learners, to minimize dropouts, to understand and motivate slow learners, to encourage the advanced learners, to motivate learners for higher studies and entrepreneurship and to provide guidance to take up challenges, where ever necessary. The Mentoring system is followed by all the departments. The students are given guidance for career, personal, besides academic issues. A special arrangement also, is made available to the students to deal with psychosocial issues arising in cases like single parenting, bread earner in the family etc. The meetings of mentorship are conducted every month, in which students meet their mentors for academic and personal issues. The students who have less attendance and who have missed their internal tests are paid special attention from mentor's side. Even the students with many issues are asked to call parents for parents-mentor meetings. The mentor keeps track on their improvements and counsels them accordingly. The role of the mentor is to nurture the students and guide them for any issues they are coming across. Many students are not promoted to the higher class due to shortage of credits, irrespective of special attention by the mentor. Such students are given counselling by the subject teachers and remedial lectures are conducted. Students are supported and guided both in co-curricular and extracurricular activities. The mentors of the class discuss with each and every student individually and support them in all the possible ways to enrich their academic performance. The mentors contact the parents and educate them, if required. In specific cases, the details will be reported to the HoD and in turn to the principal to solve the problem in the presence of the parent.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
1336	129	1:16

## 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
129	129	0	38	10

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,	Designation	Name of the award, fellowship, received from Government or recognized



international level

bodies

No Data Entered/Not Applicable !!!

No file uploaded.

**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
Mtech	87,15,38,58	4/2	29/06/2019	25/10/2019
BTech	1,2,3,4,5	8/4	20/04/2019	19/05/2019
No file uploaded.				

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

DNRCET follows the norms, regulations of the affiliating university, JNTUK. The university has implemented major reforms in evaluation by introducing Credit Based Grading System from the regulation R16. The College has its own system of continuous internal evaluation for the students within the frame work of university regulations. There is a two stage process at the institution level for continuous evaluation of students: Formative Assessment and Summative Assessment put in place as per the instructions of the University. Formative Assessment:

- The IQAC mandates the teachers to use classroom tests for the evaluation of students.
- The College has the practice of conducting Question-Answer sessions to understand the learning levels of students and evaluate their subject knowledge.
- Student seminars to assess presentation skills and ability to participate.
- Syllabus based quiz to assess the ability to think, connect the concepts and interact with the group.
- Assignments for each unit.

Summative Assessment: Continuous assessment in theory subjects: As per the JNTUK regulations, two internal mid-term examinations will be conducted. As per R13 regulation, the better performance in either of the examinations is considered for internal marks. As per R16 regulation, the better performance will carry 80 and other one carries 20 of weightage in the total 30 marks. The allotted marks of internal tests which include a descriptive examination for 15 marks and an objective on-line quiz for 10 marks, 5 marks for Assignments and 70 marks for university external examinations. Continuous assessment in practical subjects: There shall be a continuous evaluation during the semester for 25 sessional marks and 50 end-examination marks. Out of the 25 marks for internal, day-to-day work in the laboratory shall be evaluated for 15 marks and internal examination for practical shall be evaluated for 10 marks conducted by the concerned laboratory teacher. Continuous assessment in projects: As part of the internal assessment of projects which are done in IV year, college follows the following framework.

- Project Review Committee (PRC) is formed for every department consisting of Head of the Department, Project In charge and two senior faculty members to identify the projects.
- Students are formed into groups of 4 or 5. The groups collect the literature on a topic and review the literature and submit the title with objective, plan of action for title approval to PRC.
- Project Review Committee assesses and approves projects for each group. After obtaining the approval of the PRC the groups are allotted with a faculty member as a Guide for the project and can start the Project work.
- Review meetings are conducted for the continuous assessment in project. Review 1 covers abstract and block diagram, Review 2 covers implementation and Review 3 covers final results with code. The Institution scrupulously follows the norms set by the University for conducting the internal and external

examinations.

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

The academic calendar will be issued by the Affiliating University JNTUK, which has to be followed meticulously. • The Principal, IQAC and the HODs, together in consultation with faculty, prepare the academic and examination calendar, based on the university calendar incorporating curriculum, co-curricular, extracurricular activities. • Each member of faculty plans his/her lessons in compliance with the university academic calendar. • Students / faculty to strictly adhere to the academic calendar for completion of academic activities. • The academic year shall be divided into two semesters. The Semester that begins in June shall be called as odd semester and the semester that begins in December is known as even semester. • The total duration of the each Semester shall include course registration, teaching, continuous internal evaluation, tests, end of semester examination, evaluation, result declaration and vacation. • First midterm examination shall be conducted for the first 3 units of syllabus. second midterm examinations shall be conducted for the remaining 3 units as per the dates specified by the university. • The internal examinations for practical sessions will be conducted before the end theory examinations as per the schedule given by the university. • The end examination shall be conducted as per the timetable fixed by the university. • College should upload the internal marks of theory subjects, lab work, mini project, technical seminar, comprehensive viva and main project in the stipulated time given by University. Hence being an affiliated college, it adheres to the academic calendar decided by the university.

## 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)

<https://dnrcet.org/web/academics/cos-pos/>

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
38	Mtech	DECS	7	4	57.14
15	Mtech	MACHINE DESIGN	10	6	60.00
87	Mtech	STRUCTURES	17	11	64.71
5	BTech	CSE	87	63	72.41
4	BTech	ECE	73	38	52.05
3	BTech	ME	52	34	65.38
2	BTech	EEE	26	15	57.69
1	BTech	CE	55	43	78.18
58	Mtech	CSE	16	10	62.50

No file uploaded.

## 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)

### 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
<b>No Data Entered/Not Applicable !!!</b>				
No file uploaded.				

#### 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
A SEMINAR ON "GREEN BUILDINGS" BY P VIJAY KUMAR	CE	06/01/2018
A SEMINAR ON "POLAVARAM PROJECT AND ITS ADVANTAGES" BY S. HARI BABU	CE	09/07/2018
A SEMINAR ON "UTILIZATION OF SOFTWARES IN CONSTRUCTION INDUSTRY" BY G SIVA RAM REDDY	CE	23/08/2018
A WORKSHOP ON "3DS MAX" BY G SIVA RAM REDDY	CE	02/01/2019
A SEMINAR ON "PRE-ENGINEERING BUILDING" BY K V S N S R C MURTHY	CE	14/02/2019
AUTOMATIC POWER FACTOR CONTROL IN POWER DISTRIBUTION SYSTEM	EEE	09/10/2018
LATEST POWER CONVERSION TECHNOLOGIES APPLICATION	EEE	13/02/2019
One day Seminar on Machine Learning	ECE	17/08/2018
One day Seminar on Nanotechnology	ECE	09/11/2018
Two day workshop on Microwave Antennas	ECE	14/12/2018
One day Seminar on Millimeter Wave Communications	ECE	29/01/2019
INTERNET OF THINGS	CSE	20/01/2019
3D ANIMATION AND ITS APPLICATION	CSE	06/09/2018
DATABASE WITH MySQL	CSE	05/02/2019

WEB TECHNOLOGIES	CSE	27/12/2018
ONE DAY SEMINAR ON COMMERCIAL AND TECH TRANSFER ISSUES BY T.SURESH KUMAR	SH	08/08/2018
ONE DAY SEMINAR ON CURRENT ISSUES ON IPR BY P.RADHA KIRAMAYI ADVOCATE	SH	23/10/2018
ONE DAY SEMINAR ON ROLLOF IPR ON GLOBAL ECONOMY BY B ROHITHA	SH	24/01/2019

### 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
SMART INDIA HACKATHON	N DURGA GANESH	MHRD	02/03/2019	GRAND FINALE OF SMART INDIA HACKTHON 2019
SMART INDIA HACKATHON	J SRAVANI	MHRD	02/03/2019	GRAND FINALE OF SMART INDIA HACKTHON 2019
SMART INDIA HACKATHON	K VIJAY BABU	MHRD	02/03/2019	GRAND FINALE OF SMART INDIA HACKTHON 2019
SMART INDIA HACKATHON	I LALITHA LAVANYA	MHRD	02/03/2019	GRAND FINALE OF SMART INDIA HACKTHON 2019
SMART INDIA HACKATHON	KVS KRISHNA REDDY	MHRD	02/03/2019	GRAND FINALE OF SMART INDIA HACKTHON 2019
SMART INDIA HACKATHON	PDV RAJESWARI	MHRD	02/03/2019	GRAND FINALE OF SMART INDIA HACKTHON 2019
No file uploaded.				

### 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
No Data Entered/Not Applicable !!!					
No file uploaded.					

## 3.3 – Research Publications and Awards

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

State	National	International
No Data Entered/Not Applicable !!!		

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

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

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

Type	Department	Number of Publication	Average Impact Factor (if any)
International	ME	2	0.5
International	ECE	2	0.7
International	CSE	12	0.7
International	BSH	2	0.46
No file uploaded.			

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
MECHANICAL ENGINEERING	1
No file uploaded.	

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
No Data Entered/Not Applicable !!!						
No file uploaded.						

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
No Data Entered/Not Applicable !!!						
No file uploaded.						

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

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	4	4	0	0
No file uploaded.				

### 3.4 – Extension Activities

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

Title of the activities	Organising unit/agency/ collaborating agency	Number of teachers participated in such activities	Number of students participated in such activities
FUND COLLECTION FOR KERALA REFUSE	NSS	3	70
NSS DAY CELEBRATIONS	NSS	5	80
NATIONAL BLOOD DONATION DAY	NSS/GOVT.HOSPITAL, BVRM	4	50

SWACHH BHARAT	NSS	8	68
NATIONAL LABRARY WEEK CELEBRATIONS	NSS	3	53
BLOOD DONATION CAMP	NSS/ASRM COLLEGE ELURU	6	75
WORLD AIDS DAY	NSS	5	100
INTERNATIONAL DAY OF PERSONS WITH DISABLITIES	NSS /VENKATESWAREA BHADHARI SCHOOL BVRM	3	40
AWARENESS ON DENTAL HYGIENE	NSS	4	70
KISHORE VIKASAM-II	NSS/ICDS, VISAKODERU	4	80
<a href="#">View File</a>			

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
KISHORI VIKASAM-II	AWARD	DISTRICT WOMEN CHILD DEVELOPMENT AGENCY WEST GODAVARI	60
No file uploaded.			

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

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activites	Number of students participated in such activites
NATIONAL SERVICE SCHEMENATIONAL SERVICE SCHEME	NSS/RTO BVRM	AWARENESS ON ROAD SAFETY	3	78
NATIONAL SERVICE SCHEME	NSS/ICDS, VISAKODERU	KISHORE VIKASAM-II	4	80
NATIONAL SERVICE SCHEME	NATIONAL SERVICE SCHEME	WORLD AIDS DAY	5	100
NATIONAL SERVICE SCHEME	NSS/ASRM COLLEGE ELURU	BLOOD DONATION CAMP	6	75
NATIONAL SERVICE SCHEME	NATIONAL SERVICE SCHEME	SWACHH BHARAT	8	68
<a href="#">View File</a>				

### 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
<b>No Data Entered/Not Applicable !!!</b>			
No file uploaded.			

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
<b>No Data Entered/Not Applicable !!!</b>					
No file uploaded.					

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
VIDAL NDT	15/11/2018	NOURISHMENT OF INDUSTRIAL REQUIREMENTS IN THE AREA OF QA/QC	45
YuCAN TECHNOLOGIES	22/01/2019	INDUSTRY INSTITUTE COLLABORATION	32
ESF LABS	20/11/2018	CERTIFICATION PROGRAMS	250
No file uploaded.			

## 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
46.1	45.99

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Campus Area	Existing
Class rooms	Existing
Laboratories	Existing
Classrooms with LCD facilities	Existing
Seminar halls with ICT facilities	Existing
Value of the equipment purchased during the year (rs. in lakhs)	Newly Added
Classrooms with Wi-Fi OR LAN	Existing
<a href="#">View File</a>	

### 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
---------------------------	---	---------	--------------------

ECAP	Fully	2011	2018
------	-------	------	------

#### 4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
	Text Books	23437	5507459	991	247750	24428
Reference Books	5985	1496250	112	28000	6097	1524250
e-Books	1	13570	0	0	1	13570
Journals	43	112855	0	0	43	112855
e-Journals	1	13570	0	0	1	13570
Library Automation	1	11500	0	0	1	11500
No file uploaded.						

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
No Data Entered/Not Applicable !!!			
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	479	330	107	0	0	14	20	120	8
Added	0	0	0	0	0	0	0	0	0
Total	479	330	107	0	0	14	20	120	8

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

120 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
No Data Entered/Not Applicable !!!	

#### 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
88.6	82.69	74.7	74.48



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)

• College deployed the structured system with necessary infrastructure and facilities to facilitate an effective teaching and learning. • College replaces or upgrades the equipment to meet the changes in the syllabus made by the university from time to time. • All the class rooms, laboratories, computer labs and library are maintained properly along with the stock registers. • Classrooms: Adequate number of class rooms with projectors is available. In addition to this, tutorial rooms are available for each department to conduct remedial/tutorial/make up classes. • Computer Labs: Computing facility is available for students with adequate student computer ratio. As per the curriculum, laboratory sessions will be conducted and students can take up additional session as per his/her requirement with the continuous support from the faculty, technicians and programmers continuously. • Library: Central Library works from 8.30 AM to 6 PM in general and the library will be available on Sundays during examinations. Library is equipped with sufficient number of titles and volumes for different courses. Volumes are updated as per the curriculum requirements and students are permitted to borrow 4 books at a time apart from the copies of reference section. • Digital Library has been setup with 72 high end systems connected with high speed network connectivity to access all e-resources, video content and e-learning materials. • Apart from this, department libraries maintain copies of standard/reputed text books for ready access of faculty/students. • Sports complex other facilities: Amenities like GYM, Aerobic centre, sports and games facilities, medical facilities are provided to create an atmosphere to main physical fitness and students are encouraged to utilize the resources for hostellers. • Similarly, day scholars also utilize the available facilities and a separate bus facility is made available for them to reach their destinations.

<https://dnrcet.org/web/facilities>

## 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	FreeShips by DNR CET, Fees reimbursement by Andhra Pradesh Govt	1374	37188300
Financial Support from Other Sources			
a) National	Vasudha Foundation, ASR Seva Samithi, Walkers Association, Smt. K Naga Venkata Padmavathi	94	760000
b) International	nil	0	0
<a href="#">View File</a>			

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	Date of implemetation	Number of students	Agencies involved
------------------------	-----------------------	--------------------	-------------------

enhancement scheme		enrolled	
Soft Skills Guidance	18/09/2018	640	COIGN
Remedial coaching	12/06/2018	707	DNRCET
Bridge courses	08/06/2018	151	DNRCET
Personal Counselling and Mentoring	12/06/2018	1397	DNRCET
<a href="#">View File</a>			

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

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passed in the comp. exam	Number of students placed
2018	Guidance for career counselling and competitive exams	235	270	0	0
No file uploaded.					

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
6	6	4

## 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
6	245	147	3	70	7
<a href="#">View File</a>					

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	1	B. TECH	CSE	DNRCET	M. TECH
2019	4	B. TECH	CSE	SRKREC	M. TECH
2019	2	B. TECH	ECE	SRKREC	M. TECH
2019	1	B. TECH	CIVIL	AU	M. TECH

[View File](#)

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
Any Other	8

[View File](#)

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

Activity	Level	Number of Participants
Sports, Game and Cultural	College Level	650

No file uploaded.

### 5.3 – Student Participation and Activities

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

Year	Name of the award/medal	National/ Internaional	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
No Data Entered/Not Applicable !!!						

No file uploaded.

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

The active role of student representatives will be clearly evident in all walks of various committees initiated by the college which includes IQAC, Academic Administrative bodies. Students participate in meetings along with the faculty members and put forward their requirements based on the current trends such as Industrial visits, Trainings and Internships. The various academic and administrative bodies, which have student representations in them, are 1. Anti-Ragging Committee 2. Women welfare/ sexual harassment eradication committee 3. Library committee 4. Transport committee 5. Canteen committee 6. Hostel committee 7. Student activity center 8. Sports committee 9. NSS committee

### 5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

• Alumni association has been formed with registration number as 25 of 2019 with office of the Andhra Pradesh Societies Registration act of 2001. • DNRCEET feels proud of its Alumni association which extends its direct and indirect help for the welfare of our college. Majority of the alumni have their foot prints in top notch companies. Our alumni association helps in supporting our organization goals through creating awareness about the job opportunities accessible in the present world, to craft their juniors for various competitive exams like GRE, TOFEL, and other job oriented exams like RRB, SSC, Groups, Bank, Public Service Commission examinations, and etc., • Alumni help students in creating awareness about special scholarships and free ships available to different categories of students by government and non-government organizations based on their qualification and skills. • The association suggests conducting guest lectures, industrial tours, internships, workshops and seminars, trainings and organizing skill development programs to enhance the knowledge of the students. • The young graduates are in consistent touch with the college through different social networking sites. • The college alumni association has

its portal/link available in college website for the fresh graduates, who have completed their course to get registered in the portal by providing their basic information. • Alumni association was probably instrumental in college success. Alumni association is an added feather in the crown of DNR CET.

5.4.2 – No. of enrolled Alumni:

68

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

109500

5.4.4 – Meetings/activities organized by Alumni Association :

One Alumni meet conducted

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

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

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

• The Institution follows the policy of decentralization. Practice 1: Administrative body • The Principal, Vice- Principal, IQAC coordinator and HODs collectively frame and decide all policies, rules and regulations related to admission, discipline, counseling etc., and implements the same effectively. • The HOD manages the day to day activities of the department and aware of curricular, co-curricular and extracurricular activities in the institution. • The Principal acts as the chief superintendent for the college examination cell to conduct university examinations and college internal examinations smoothly. • The institution has other committees like Alumni, NSS, Training Placements, Library, Women Empowerment Cell etc. These committees support the academic module. • The institution encourages the faculty to involve in various committees for the excellence of the students. Practice 2: Student Excellence • A mentor is allotted for every 15 to 20 students. The mentor monitors the academic progress of each student and provides the required counseling to see that all the students excel in their studies. • The mentor regularly interacts with the parents of the irregular and academically weak students for taking their support to develop their ward. • Faculty members are given representation in several committees constituted by the principal to conduct various activities to encourage and develop the life skills and leadership skills in the students. • The students are also made members in these committees to encourage participative management. • The Training Placement (TP) cell of the institute gives intensive training to the student for campus recruitment and provides career guidance. • It is also organizes campus recruitment drives for the students. The Entrepreneur Development Cell (EDC) and Industry Institute Interaction Cell (IIIC) aim at supporting students with self employable skills. • However there are some students who go for higher studies to improve qualification and contribute their knowledge to society. • Sports facilities have also been well established to bring about a holistic development in the students.

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
---------------	---------

<p>Curriculum Development</p>	<p>The College is affiliated to JNTUK, Kakinada and follows the curriculum prescribed by the university. The Curriculum planning and implementation is prepared by the institution guided by the Vision, Mission, Core Values and other social responsibilities that the institution has to discharge in tune with the national goals. At the beginning of every academic year, the IQAC commences meeting with all HODs and initiates the process of preparation of the blueprints for curriculum planning and deployment by every department. The institution ensures delivery of the curriculum in the following ways: Allotment of work load, Timetables, Faculty members prepare lecture notes and Teaching plan for theory subjects and laboratory manuals for practical subjects according to the curriculum of JNTUK, Kakinada before commencement of class work. Identified gaps in the curriculum will be filled up in the form of seminars, guest Lectures etc.</p>
<p>Teaching and Learning</p>	<p>Faculty members are encouraged to use ICT tools to utilize e-resources to enrich teaching - learning methods to visualize the concepts to inject them into the young minds through presentations, animations and videos apart from conventional Chalk and talk. Faculty members are encouraged to attend FDPs offered by reputed Institutions and the knowledge gained will be disseminated among the students and staff. The college implements teaching learning practices with interactive techniques, incorporating various strategies for facilitating slow learners by collaborative learning process, Clarifying doubts, revising important concepts and practice problems in subjects. For every 15 to 20 students one mentor is appointed.</p>
<p>Examination and Evaluation</p>	<p>The D.N.R. College of Engineering and Technology is affiliated institution of JNTUK and follows the evaluation norms of the university. The institution has a centralized examination cell for both UG and PG. The college principal acts as the chief superintendent. The Exam cell conducts two Mid-Term examinations in each semester and Semester-end examinations as per the university norms (JNTUK). The students who are not</p>

	<p>satisfied with their marks, can apply revaluation or recounting to the university through the college exam cell.</p>
<p>Research and Development</p>	<p>The college has a well-defined vision and mission that focus on the futuristic growth of the Institution as well as the academic proficiency of the students. RD Cell is established in the core departments to promote research activities among faculty and Students. Professional development of the faculty members is enhanced by conducting FDPs and training programmes. DNR college encourages the faculty to publish papers at national and international conferences/journals. To promote research oriented motif among the faculty, the RD cell encourages to register Ph.D in various universities</p>
<p>Library, ICT and Physical Infrastructure / Instrumentation</p>	<p>The departments are provided with department library in addition to the centralized library facility, where students can read the books after the college timings. The class rooms are provided with ICT facilities, well equipped laboratories and seminar halls. Computer centre with 412 systems, 1000 capacity auditorium are also available for the staff and students. Library being hub of knowledge, it has collection of 29422 volumes of 5985 titles, 40 National International print Journals, 10 Magazines and 13 News papers to cater to the Engineering streams. The library books can be easily accessed through the use of Online Public Access Catalogue (OPAC) and is fully automated with integrated library management system "ECAP- LIBMAN" software. The college is equipped with digital library facility where students can access different e-journals and online resources through DELNET, NDL, NPTEL-SWAYAM, JOURNALTOCS and SHODHGANGA. The library maintains collection of rare books. Each department maintains a library that consists of latest books, project reports and thesis for reference by the staff and students. The IT infrastructure strategies are developed as per the guidelines of AICTE affiliating University from time to time. The institute is constantly upgrading both the software and hardware as per the prescribed norms</p>

	and academic standards.
Human Resource Management	A policy document with the service rules and the details related to casual leaves, on-duty leaves, medical Leaves etc are monitored in the institution as per the AICTE Norms. These rules are monitored strictly in the college. As and when there are vacancies, recruitment is done to maintain the required ratios of faculty members and nonteaching staff members.
Industry Interaction / Collaboration	Functional MOUs are signed with the industries for the mutual benefits. Industrial experts are invited for expert talks to deliver to students. The college maintains good rapport with the surrounding industries and companies. They are invited to conduct interviews, seminars, workshops and industrial visits.
Admission of Students	The admission process of the students is highly transparent. Admissions will be done as per the rules laid down by Andhra Pradesh State Higher Education (APSCHE) through Engineering Agriculture Medical Common Entrance Test (EAMCET) for 70 of sanctioned intake. Remaining 30 of admissions will be under management quota as per the rules laid down by the govt. of Andhra Pradesh.

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

E-governance area	Details
Planning and Development	Timetable and academic calendar is planned and uploaded in the E-Cap. Incubation Lab was introduced to give life to innovative ideas
Administration	A dedicated mail with dnr cet@gmail.com was provided to departments for paper less governance. Student data is maintained in e-cap. Each student can view their academic data through-out the year. Student administration software is being used for recording and maintaining the student data.
Finance and Accounts	College encourages cashless transactions by providing online transfer facilities for corruption free and clean transactions
Student Admission and Support	70 of students through EAMCET web counseling and 30 of students through Category-B Guidelines.
Examination	Institution is having facilities for

the conduct of examinations as per the guidelines of the affiliating university, JNTUK

### 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
<b>No Data Entered/Not Applicable !!!</b>				
<b>No file uploaded.</b>				

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)
<b>No Data Entered/Not Applicable !!!</b>						
<a href="#">View File</a>						

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

Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration
FDP under TEQIP-III	1	14/05/2018	19/05/2018	6
FDP on IOT and Use cases Practical Perspective	1	26/05/2018	31/05/2018	6
FDP on Advancements in Construction Materials	1	25/06/2018	29/06/2018	5
FDP on product development on 3D experience	3	23/10/2018	27/10/2018	5
PRACTICAL APPLICATIONS ON COMPUTATIONAL FLUID DYNAMICS	2	23/11/2018	25/11/2018	3
ADVANCED TECHNOLOGIES IN POWER ENGINEERING	1	17/12/2018	21/12/2018	5



ONE WEEK FACULTY DEVELOPMENT PROGRAM on Artificial Intelligence using Machine Learning Deep Learning	1	07/01/2019	11/01/2019	5
Emerging trends in technology using IOT(ECE)	1	11/03/2019	15/03/2019	5
No file uploaded.				

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

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
38	0	2	0

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
<ul style="list-style-type: none"> <li>• Faculty members are eligible to utilize 12 casual leaves in an academic year.</li> <li>• The staff is provided a fee concession for their children education in the sister concerned institutions.</li> <li>• Subsidized transportation for teaching and non teaching</li> <li>• The institution provides the Employees' Provident Fund (EPF) facility</li> <li>• Canteen facility at subsidized price,</li> <li>• ESI</li> <li>• Vacation leaves are provided to teaching staff during summer.</li> <li>• In any special case the faculty can avail 3 permissions in a month</li> <li>• Increments and special incentives are given to faculty members yearly based on their performance in the academics</li> <li>• Maternity leaves are provided to female staff after completing minimum two years probation in the institution</li> <li>• On duty leave is given to the</li> </ul>	<ul style="list-style-type: none"> <li>• Non teaching staffs are eligible to utilize 12 casual leaves in an academic year.</li> <li>• Vacation leaves are provided to non teaching staff during summer</li> <li>• In any special case the non teaching staff can avail three permissions in a month</li> <li>• Maternity leaves are provided to female staff after completing minimum two years probation in the institution</li> <li>• On duty leave is given to the non teaching faculty/technician to attend workshops, training Programs to excel knowledge</li> <li>• Subsidized transportation for non teaching</li> <li>• The staff is provided a fee concession for their children education in the sister concerned institutions</li> <li>• The institution provides the Employees' Provident Fund (EPF) facility</li> <li>• Canteen facility at subsidized price, ESI</li> </ul>	<ul style="list-style-type: none"> <li>• The college recommends students for relevant Government Schemes, scholarships, assistance from NGOs and other private organizations.</li> <li>• Canteen facility at subsidized price, Medical facility in the campus</li> </ul>

teaching faculty to attend seminars, conferences, workshops, training Programs and faculty development programs • Monetary benefits are provided for those with higher qualifications such as M Phil /PhD and appreciation to faculty and staff for performing good work and completing PhD program • Monetary benefits are also provided to faculty for publishing papers in National/International Seminar

#### 6.4 – Financial Management and Resource Mobilization

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

The institution has our own internal audit team who conduct the internal audit on a regular basis. In addition to that the institution appointed an external agency to conduct the audit to verify and certify the entire recurring and non-recurring and the Capital Expenditure of the institute each year. A qualified staff member from our finance department has appointed as internal auditors and they do a thorough check on each payment and vouchers on a half yearly basis. Likewise external auditors do a thorough check on payment and vouchers on a yearly basis. So far there have been no major objections from any of the audit teams. The institute regularly follows internal external financial audit system The affiliating university (JNTUK) checks the internal and external audit yearly once.

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
nil	0	nil
No file uploaded.		

6.4.3 – Total corpus fund generated

3500000

#### 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	JNTUK-KAKINADA	Yes	PRINCIPAL
Administrative	Yes	JNTUK-KAKINADA	Yes	PRINCIPAL

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

The HOD and Class teacher conducts meeting with the parents to identify the student's related issues. Feedback from the parents is collected and analyzed.

The report is submitted to the principal for further action.

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

The supporting staffs are encouraged to improve their skill set through 1. To participate in workshops on latest trends in technology. 2. To do higher education. 3. Hands on workshops are conducted to improve technical skills. 4. Clean and Green programme for all non teaching and supporting staff.

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

Institute initiates to go for permanent affiliation Planning to apply for UGC 12(B) and 2(F) Institute plans to appoint more Ph.D candidates. Encouraging the faculty to publish papers in reputed journals.

6.5.5 – Internal Quality Assurance System Details

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

6.5.6 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
2018	Improvement of the quality in the system	30/03/2019	30/03/2019	30/03/2019	90
2018	Initiative of Pre Hackthon	17/07/2018	17/07/2018	17/07/2018	42
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
WOMENS RIGHTSrights	07/07/2018	07/07/2018	80	0
GENDER INEQUALITY	18/07/2018	18/07/2018	70	11
GIRLS CAN DO ANYTHING	16/12/2018	16/12/2018	80	15
INSRING CHANGE THROUGH WOMEN DEVOLOPEMENT	11/02/2019	11/02/2019	65	15

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

THE PROPOSED POWER REQUIRED FOR THE ACADEMIC YEAR 2018-19 IS 1,82,500 kwh AND THE POWER GENERATED BY USING RENEWABLE ENERGY THROUGH ROOF TOP SOLAR SYSTEM IS 87,600 kwh. THIS POWER IS USED FOR THE COLLEGE PURPOSE.

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	1
Provision for lift	Yes	3
Ramp/Rails	Yes	4
Braille Software/facilities	No	0
Rest Rooms	Yes	1
Scribes for examination	Yes	0
Special skill development for differently abled students	Yes	1

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
2018	1	1	11/08/2018	1	Awareness on save animals and birds	Expalin about the importance of saveing animals and birds for future generation	103
2018	1	1	23/08/2018	1	Awareness on preven tion of child labour	To create awareness on preven tion of child labour im portance in society	90
2018	1	1	01/12/2018	1	Awareness on digital money	How to open bank accounts and how to use credit and debit cards and	70

						online banking	
2019	1	1	02/02/2019	1	Career guidelines for 10th class	Guiding SSC students about the future career	85
2019	1	1	25/02/2019	1	Awareness on save animals and birds	Expalin about the importance of saveing animals and birds for future generation	100
No file uploaded.							

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

Title	Date of publication	Follow up(max 100 words)
Human Values and Professional ethics Code of conduct handbook	25/07/2018	1. Duties of Principal. 2. Responsibilities of Teachers. 3. Accountability of Staff. 4. Disciplinary code for students. 5. Disciplinary action plan for student. 6. Academic integrity encompasses honesty, responsibility and awareness relating to ethical standards for the conduct of Research Scholarship.

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Blood Donation camp	23/08/2018	23/08/2018	115
Clay Ganesh	12/09/2018	12/09/2018	120
International Non-Violence day	01/10/2018	01/10/2018	95
Need to achive comprehensive human goals	16/10/2018	16/10/2018	148
National Integreation day	19/11/2018	19/11/2018	125
No file uploaded.			

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

1 Bicycles 2 Public transport 3 Pedestrian friendly roads 4 Plastic free campus 5 Paperless office 6 Green landscaping with trees and plants 7. Roof Top solar

## 7.2 – Best Practices

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

**Best Practice - I** **DIYA - Light for Life (Student voluntary program)** Objectives of the program:

- To help the poor and needy people.
- Providing basic needs to the homes of disabled, orphanages old age homes.
- Conducting cultural and literary competitions among the children in the orphanage homes to develop the sense of belongingness with the society.
- To develop the sense of social responsibility in every young mind.
- To inculcate the noble qualities and develop the organizing skills among the students.

The context: **DIYA -Light for Life** (DIYA an acronym for DNR Irised Youth Association) is a student voluntary organization at DNR CET initiated with the motto of helping the poor and needy people. Every person does have a kind heart, but he/she does not know about the kindness that can show to others unless experiences a chance. To do social work like helping others we do not need much money rather there is need of dedication to help needy people.

The Practice:

- Fund for the programs collected through the fund rising box.
- Student coordinators visit the orphanages and old age homes during holidays and study their basic needs and try to provide them soon.
- Conducting recreational program in the orphanage homes and distributes prizes.
- The college has an NSS unit with which DIYA coordinates in conducting blood donation camps, • Medical camps and provide the necessary helping hand to community.

Impact of the practice:

- DIYA provided idli cooker, slates, books, sports kits and portable solar lights to the Emmanuel Orphanage home, Bhimavaram.
- Provided ceiling fans, 25 kgs rice bags-4, blankets and towels to the Gandhi Old-age Aasramam at Taderu, Bhimavaram.
- Rupees 7500 donated to the MRK Poly Technic student who met with an accident.
- Students participating in these programs earn organizing skills and learnt about the critical situations in which people in orphanages are encountering.
- They also understand how to alleviate their sufferings.

Problems encountered and resources required:

- Fund collection is a challenging task to the students as the need is like ocean in size.
- Students lose valuable classes during their attendance at community supporting camps.

Overview of DIYA in the Academic Year 2018-2019

- In the academic year 2018-19 it has conducted two activities one of it is donation to the KERALA - CM Relief Fund and another to an individual providing monetary support. DIYA volunteers brought these two to the notice of chairperson and coordinator of DIYA after they gathered information and understood the condition of people who gracefully deserves the benefit.
- On 11-08-2018 an amount of rupees 35,000/- donated the KERALA Chief Ministers relief fund. (DIYA and college NSS unit jointly organized this program)

**Best Practice - II** Title: **Employability Enhancement:**

Objective of the Practice: The objective of this practice is to focus on skill development and career paths for the young engineering graduates for business, industry and self employment.

- To develop and maintain a highly skilled, employment - ready workforce that supports and enhances the economic health of every individual student.
- To train the students in the field of English communication skills, soft skills, inter personal and intra personal skills and preparing them to work with teams in MNCs.
- To develop a best-in-class learning management system and placement and tracking mechanism

The Context: The students are from vernacular back grounds that have come from villages. It is necessary to impart required skills for employability. The Government of Andhra Pradesh (GoAP) has come into existence after bifurcation. The immediate necessity for industrialization is the manpower development. In the process the GoAP gave high priority for skills development through establishing Andhra Pradesh State Skill Development Corporation (APSSDC). The DNR CET, Bhimavaram Campus has been selected as a technical Skill Development Institute (t-SDI). The DNR CET is providing infrastructure in laboratories by adopting latest

technologies in engineering design to serve the needs of various industrial units, training the students to improve employability, placement of students and enable the students to compete at the national and international level employment with better remuneration and professional group. Making the students, from rural background, come out of their mother tongue influence is a very big challenge. Improvement of communication skills in English language is a pre-requisite in the present multi-cultural corporate world. The Practice

- To make qualitative improvements in imparting technical education, students are given Experimental training in laboratories with latest technologies. The institution has provided 5 labs for training, viz.,
- The computer based training lab (CBT) is providing audio-visual classes, power point Presentations and video classes about all five labs, a detailed video explanation on every Experiment followed by a test on that experiment. Training will be given to each student in the basic, expert and master levels.
- Electrical home lab - the students are trained in home wiring and Industrial wiring, Electrical equipment installation and safety measures.
- Electronics home lab - the students are trained for basic operations minor repairs of home appliances and utilization.
- Electronics office lab through which students get training on corporate office equipments Installation, utilization and minor repairs of printers, scanners, computers, Intercoms etc.,
- RAC Lab - in this lab student are trained to create basic tools, awareness of air Conditioning and refrigeration systems, their utilization and minor repairs.
- In addition to the above training from the laboratories, special slots allotted for building English communication skills through English communication skills lab.
- Soft skills by expert trainers in the campus for enhancing public speaking skill, confidence building, handling critical situations, positive thinking, time management and presentation skills.
- Group discussion, debate, just a minute, essay writing, storytelling, mock-interviews and also competitions conducted regularly to help students understand and evaluate real time issues and handle effectively the problems that they face in day to day life. Evidence of success:
- Implementation of APSSDC-SIEMENS project in DNR CET has resulted in high success in the form of increase in number of students with obligatory industrial skills.
- During the academic year 2018-19 almost 2056 students got training from this project. They are:
  - ? 52 Engineering students from DNR CET
  - ? 1239 DNR Polytechnic students
  - ? 256 Social Welfare Students
  - ? 469 ITI Students
  - ? 40 Degree Students

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

<https://dnrcet.org/web/igac/best-practices/>

### 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

DNR CET is provided with a Technical Skill Development Institute. It is used to promote skill development entrepreneurship in and around the rural areas of DNR CET. It is also serving as an important task of providing high quality skilled manpower as part of the Knowledge and Skills Mission "of Government of A.P.As per some estimates, Andhra Pradesh will face an incremental Human resources requirement of approximately ten million skilled workers from 2012 till 2022, across the high-priority and emerging sectors. Thus the main objective of the program is to implement a structured and pragmatic solution to skill up skill the workforce in and around the rural areas of DNR CET and to increase employability, and promote entrepreneurship in sync with Industrial growth.

- The institution has provided five labs for training, viz.,
- The computer based training lab (CBT)
- Electrical home lab
- Electronics home lab.
- Electronics office lab
- RAC Lab

To facilitate the above, the target

population has been divided into seven segments, viz.: Drop outs, Engineering skills, degree PG, in-trade services, agriculture allied, crafts, entrepreneurship development. Separate programmes will be designed for each segment. A hybrid model where t-SDI carries out its own programmes as well as value-adds collates the training being done by other departments is being adopted by the corporation to start with. Some unique best of class training programmes like Siemens Centers of Excellence Clusters, Capital Area Skilling, Train the Trainer, etc. are part of the whole gamut of trainings to be offered at different levels. In addition to the practice training offered at these t-SDI's, it is considered that the course would be more effective and fruitful if relevant material related to the course is also provided to the participants for revision and ready-reference .Consequently, an attempt was made to create the requisite content by the experienced faculty and the trainers. T-SDI is staffed with best of talent in this sector will partner with leading training providers industry to carry out the training programmes. It aims to develop a best-in-class learning management system and placement and tracking mechanism. Ultimately, it aims to be among the best training provider Organizations in the state. • During the academic year 2018-19 almost 2056 students got training from this project. They are: o 52 Engineering students from DNR CET o 1239 DNR Polytechnic students o 256 Social Welfare Students o 469 ITI Students o 40 Degree Students • This project has evidenced a big success with a huge number of students who got training from this project, enhanced their English communication skills, soft skills and their life skills, increased their self confidence, and learnt corporate etiquettes. • Recently a few students from DNR CET are hired by a reputed MNC, and some more students are waiting for offer letters.

Provide the weblink of the institution

<https://dnrcet.org/web/igac/institutional-distinctiveness/>

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

DNR College of Engineering Technology is tuned to adapt the changes from time to time to perceive the Vision and Mission. 1. Encouraging the students to explore their ideas and incubate to become a successful entrepreneur. 2. The student internships need to be enhanced through Industry Institution Interaction cell. 3. Planning to apply for the Section 2(f) and Section 12 (B) of UGC Act, 1956. 4. To enhance the involvement of alumni at institute level for the betterment of the stakeholders. 5. To motivate students towards GRE/IELTS/TOFEL/GATE/GMAT. 6. Collects annual student satisfaction survey to enhance the facilities. 7. To enhance support systems for academically weak and vulnerable students. 8. To encourage the faculty members to complete their doctoral degrees and enhance financial support for RD activities. 9. To conduct more gender equity programs for women students, career opportunities in engineering field. 10. To enhance the training activities for the students who admit from rural belt. 11. The college target is to go for NBA. 12. Use modern tools of educational technology to achieve higher standards. 13. To enhance healthy practices such as community service, project for the benefit of the society.