

IQAC AAA REPORT
2019 - 2020
(Academic and Administrative Audit)

DADI INSTITUTE OF ENGINEERING & TECHNOLOGY



(Approved by A.I.C.T.E., New Delhi & Affiliated to JNTUK, Kakinada)

A NAAC Accredited Institute

An ISO 9001:2008; ISO 14001:2004 & OHSAS 18001:2007 Certified Institution

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Internal Quality Assurance Cell (IQAC) Academic and Administrative Audit (AAA)

Date of Audit: 12-04-2020

ACADEMIC YEAR: 2019-2020

External Audit Member-1 : Mr.K.Shankar , Associate professor, NSRIT, Sontyam, Visakhapatnam. *K. Shankar*

External Audit Member-2 : Mr. CH.Jagan Sekhar, Sr.Assistant Professor, LENDI , Vizianagaram. *Jagan*

(The activities are to be graded on the following scale)

Excellent	Good	Satisfactory	Needs improvement
A	B	C	D

CRITERION I – CURRICULAR ASPECTS	Input	Grade	Remarks
1.1 Curriculum Planning and Implementation			
Institution has the mechanism for well planned curriculum delivery and documentation.		A	suggested to follow the latest methodologies in curriculum delivery and in documentation
Certificate/ Diploma Courses introduced during the Academic year		A	suggested to improve the course

by following the current trends

Certificate	Diploma Courses	Dates of Introduction	Duration	Focus on employability/entrepreneurship	Skill Development
Analog Communication (NPTEL)	Certificate Course	29/07/2019	84	Employability	Yes
Strength of Materials (NPTEL)	Certificate Course	29/07/2019	84	Employability	Yes
Digital Design (NPTEL)	Certificate Course	29/07/2019	84	Employability	Yes
Problem Solving through Programming in C – Online (NPTEL)	Certificate Course	29/07/2019	84	Employability	Yes
Problem Solving through Programming in C – Online	Certificate Course	29/07/2019	84	Employability	Yes

B

Advised all the departments to come up with the latest course which are of job oriented and introduce them in the institution.

(NPTEL)						
Strength of Materials – Online (NPTEL)	Certificate Course	29/07/2019	84	Employability	Yes	
1.2 Academic Flexibility						
New programmes/courses introduced during the Academic year				-		
Programme/Course	Programme Specialization	Dates of Introduction		C	Suggested all the departments to introduce new and industry relevant course in the institution	
Nil		Nil				
Programmes in which Choice Based Credit System (CBCS)/Elective course system implemented at the affiliated Colleges (if applicable) during the Academic year.						
B.Tech	Civil	05/08/2019		A	Appreciated the departments for introducing the CBCS which gives more specialization based learning to the students	
B.Tech	CSE	10/06/2019				
B.Tech	ECE	05/08/2019				
B.Tech	EEE	10/06/2019				
M.Tech	CSE	05/08/2019				
M.Tech	PID	10/06/2019				
M.Tech	SSP	05/08/2019				
M.B.A	H.R & Finance	16/09/2019				
M.B.A	H.R & Finance	08/07/2019				
Students enrolled in Certificate/ Diploma Courses introduced during the year						
Certificate	121		D	Suggested to improve the number of students of enrollment		
Diploma	NIL					

(NPTEL)					
Global Navigation Satellite Systems And Applications (NPTEL)	Certificate Course	29/07/2019	84	Employability	Yes
Design of Reinforced Concrete Structures – Online (NPTEL)	Certificate Course	29/07/2019	84	Employability	Yes
Bioinorganic Chemistry – Online (NPTEL)	Certificate Course	29/07/2019	84	Employability	Yes
Management Accounting – Online (NPTEL)	Certificate Course	29/07/2019	84	Employability	Yes
Strength of Materials – Online	Certificate Course	29/07/2019	84	Employability	Yes

1.3 Curriculum Enrichment

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

Value Added Courses	Date of Introduction	Number of Students Enrolled	D	Suggested to introduce more number of value added courses for the improvement of students
Campus Recruitment Training	25/11/2019	431		
Bridge Course	20/09/2019	160		
Brain Storming Session for EEE Inductees	27/08/2019	93		
Music Classes	17/06/2020	157		
Classical Dance Training	12/06/2020	78		

Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships	C	Students enrolled is less and should be improve
BTech	CIVIL	15		
BTech	EEE	20		
BTech	CSE	46		
BTech	ECE	11		
MBA	HR/Finance	35		

Feedback System

.1 Whether structured feedback received from all the stakeholders

Students	Yes	A	Appreciated all the departments for their efforts in taking the feedback
Teachers	Yes		
Employers	Yes		
Alumni	Yes		
Parents	Yes		

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

B
Feedback should be analyzed for the improvement of teaching and learning practice and report should

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	B	Suggested all the departments to improve the enrollment of students in to the academic year
BTech	CIVIL	120	96	9		
BTech	CSE	180	389	121		
BTech	ECE	180	345	38		
BTech	EEE	120	285	12		
Mtech	PID	36	42	12		
Mtech	SSP	36	23	2		
Mtech	CSE	24	42	14		
MBA	MBA	60	126	36		

2.2 Catering to Student Diversity

2.2.1 Student - Full time teacher ratio

Year	2019	A	Suggested to increase the student full time teacher ratio for better results
Number of students enrolled in the institution (UG)	1213		
Number of students enrolled in the institution (PG)	111		
Number of fulltime teachers available in the institution teaching only UG courses	117		
Number of fulltime teachers available in the institution teaching only PG courses	20		
Number of teachers teaching both UG and PG courses	20		

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	137
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	level, international level			
2019	Dr. K.Sujatha	Professor	Best teacher award from International Science organization	A Appreciated the faculty for their recognitions by various institutions and awards also suggests to take the inspiration from the awardees to the remaining
2019	Dr.L.Prasanna Kumar	Professor	Best Convenor for Organizing One Week National level FDP on "Outcome based Education"	
2019	Mr A Krishna Nag	Assistant Professor	Nominated as Student Activity Chair for IEEE Vizag Bay Sub Section	
2020	Mr A Krishna Nag	Assistant Professor	Nominated as the first Student Activity Chair for IEEE Vizag Bay	
2020	Ms P Jagruthi	Assistant Professor	Secured First Prize in National Level Design Synthesis Competition at RETRECSE 2020 organized by EICT Academy, NIT -Patna	
2020	Mrs K ALfoni Jose	Assistant Professor	Received appreciation certificate from Texas Instruments for mentoring NPTEL	

	Number of teachers using ICT (LMS, e- Resources)		128	B	Observed that less faculty utilizing ICT and suggested to improve the number	
	ICT Tools and resources available		6			
	Number of ICT enabled Classrooms		16			
	Number of smart classrooms		Nil			
	E-resources and techniques used		10			
2.3.2	Students mentoring system available in the institution? Give details.					
	<p>Yes. Students mentoring system is available in our institute. 15 students are assigned to a teacher counselor/mentor for providing career guidance and counseling. Mentor monitors the students in the following aspects</p> <p>1. Student general information 2. Monthly consolidated attendance 3. Internal examinations and evaluation 4. University examinations 5. Bi- weekly report of academics, 6. Behavior and extracurricular activities 7. Academic development 8. Personality development. 9. Indiscipline activities if any 10. Details of Parent's visit 11. Conducting parents meet 12. Feedback from parents 13. Mentor overall report 14. CRT 15. Suggestions of the mentor for further development</p>				A	As mentoring system is a regular practice in the institute IQAC suggests to continue the same
	Number of students enrolled in the institution		1324			
	Number of fulltime teachers		137			
	Mentor : Mentee Ratio		1:10			
2.4	Teacher Profile and Quality					
2.4.1	Number of full time teachers appointed during the year					
	No. of sanctioned positions		137	B	Suggested to fill the vacant positions with suitable qualification to fill the gaps	
	No. of filled positions		122			
	Vacant positions		15			
	Positions filled during the current year		15			
	No. of faculty with Ph.D		20			
2.4.2	Honors and recognitions received by teachers					
	Year of Award	Name of full time teachers receiving awards from state level, national	Designation	Name of the award, fellowship, received from Government or recognized bodies		

			course on Embedded System Design		
2020	Ms P Jagruthi	Assistant Professor	Gesture Control Robot Prototype Guided by her is Shortlisted in National Innovation Contest 2020 – IIC – MoE’s Innovation Cell, AICTE, New Delhi		
2020	Mr Ch Ravi Kumar	Assistant Professor	Smart Helmet Prototype Guided by him is Shortlisted in National Innovation Contest 2020 – IIC – MoE’s Innovation Cell, AICTE, New Delhi		
2020	Mr D R Ch Nookesh	Assistant Professor	Agriculture Field Supervision from remote location Prototype Guided by him is Shortlisted for Vishwakarma Awards 2020		
Evaluation Process and Reforms					
Number of days from the date of semester-end/ year- end examination till the declaration of results during the year					
Program me Name	Programm e Code	Semeste r/ year	Last date of the last semester-end/ yearend examination	Date of declaration of results of	

					semester end/ year- end examination		
	BTech	01	I/I	25/01/2020	21/02/2020	B	Suggested to reduce the time gap for result announcement for smooth running of the academics
	BTech	01	I/II	20/07/2020	18/09/2020		
	BTech	01	II/I	02/11/2019	12/12/2019		
	BTech	01	II/II	18/04/2020	26/05/2020		
	BTech	01	III/I	02/11/2019	12/12/2019		
	BTech	01	III/II	06/04/2020	21/05/2020		
	BTech	01	IV/I	02/11/2019	12/12/2019		
	BTech	01	IV/II	06/04/2020	21/05/2020		
	MTech	02	I/I	15/02/2020	25/03/2020		
	MTech	02	I/II	20/07/2020	31/08/2020		
2.5.2	Reforms initiated on Continuous Internal Evaluation(CIE) system at the institutional level					A	Suggested to introduce latest evaluation process at the institute level
2.5.3	Academic calendar prepared and adhered for conduct of Examination and other related matters					A	Academic calendar depends on 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					A	Based on the PO'S CO'S the teacher are suggests to make them to display on the website for reference to the students.
2.6.2	Pass percentage of students						
	Program me	Program me	Program me	Number of	Number of	Pass Percentag	

Code	Name	Specialization	students appeared in the final year examination	students passed in final year examination	Percentage		B suggested all the departments to improve the results
58	MTech	CSE	6	5	84		
42	MTech	PID	5	1	20		
45	MTech	SSP	4	1	25		
00	MBA	MBA	35	35	100		
01	BTech	CIVIL	64	50	78.12		
04	BTech	ECE	68	59	86		
02	BTech	EEE	70	56	79.24		
05	BTech	CSE	115	94	82		
Student Satisfaction Survey							
.1	Student Satisfaction Survey (SSS) on overall institutional performance						A Suggested to increase the questionnaire for better output in the survey
CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION							
Resource Mobilization for Research							
.1	Research funds sanctioned and received from various agencies, industry and other organizations						
Nature of the Project	Total	Students Research Projects (Other than compulsory by the University)	Projects sponsored by the University	Minor Projects		C Suggested departments to improve the research activities and concentrate on mobilization of funds through innovative project	
Duration	1277	182	365	730			
Name of the funding	Nil	Dadi Institute of	Dadi Institute of	B.Technologies,			

agency		Engineering Technology	Engineering Technology	Hyderabad
Total grant sanctioned	1.61	0.25	0.64	0.72
Amount received during the year	1.04	0.25	0.64	0.15
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	
	six days on Python Programming	CSE	03/02/2020	
	Six days on Revit Architecture	CIVIL	26/08/2019	
	two days on Internet of Things	ECE	04/03/2020	
	Seven days on Associate Cloud Architect	CSE	19/08/2019	
	Two days on Solar Ambassador	EEE	01/10/2019	
	Six day on PCB design ECE	ECE	16/09/2019	
	Two day on Introduction of Robotics		RD Cell 12/07/2019	
	Entrepreneurship development lecture- 2k20	EEE ISTE	20/02/2020	
	Entrepreneur ship	EEE EDC Cell	05/05/2020	
				A Suggested all the departments to conduct more Industry -Academe innovative pract

Lectures series-3							
Entrepreneur ship	EEE EDC Cel		23/05/2020				
Lectures series-2							
Entrepreneur ship	EEE EDC Cell		21/05/2020				
Lectures series-1							
Faraday Memorial	EEE IEEE		22/09/2019				
Lecture -2019							
PWSIM tool-in Power	EEE		01/06/2020				
Electronics and Power							
Systems							
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	B	Suggested to improve the recognitions of the faculty through various innovative and research activities
	Best Researcher	Dr. Ch. Nageswara Rao	Institute of Scholars	05/06/2019	Academics		
	Best Researcher	Dr. K. Sujatha	Institute of Scholars	05/06/2019	Academics		
	Best Teacher Award	Dr. K. Sujatha	Institute of Scholars	05/06/2019	Academics		
	Best Principal	Dr. Ch. S. Naga Prasad	Institute of Scholars	25/07/2019	Academics		
2.3	No. of Incubation centre created, start-ups incubated on campus during the year					C	Suggests departments To start up incubation center during this current academic year
3.3 Research Publications and Awards							
3.3.1	Incentive to the teachers who receive recognition/awards						
	State	National	International			Improve the number of recognitions	
	3	5	6				

					B	/awards by teacher.
3.3.2	Ph. Ds awarded during the year (applicable for PG College, Research Center)					
	Name of the Department		Number of PhD's Awarded		C	Suggests all faculty members enroll in the Research for improving the quality and standards in the teaching
	ECE		2			
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)	B	Suggested the faculty to improve the average impact factor publication for better recognition
	National	CSE	4	NILL		
	National	ECE	3	NILL		
	International	CSE	18	NILL		
	International	ECE	9	NILL		
	International	EEE	12	NILL		
	International	CIVIL	11	NILL		
	International	BSH	8	NILL		
	International	MBA	6	NILL		
3.3.4	Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year					
	Name of the Department		Number of Publications		D	Book chapter publication need to be improved
	CSE		2			
3.3.5	Bibliometrics of the publications during the last Academic year based on average citation index in Scopus/ Web of Science or Pub Med/ Indian Citation Index					

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citation
Classification Of Caesarian Data Using Machine Learning Models	Prasanna Kumar Lakshmineni	European Journal of Molecular Clinical Medicine	2020	NILL	DIET	NILL
Opinion Mining using Machine Learning	Prasanna Kumar Lakshmineni	Mukt Shabd Journal - Indexed in UGC	2020	NILL	DIET	NILL
Person Tracking and Counting System Using Motion Vector Analysis for Crowd Steering	Dr. K. Sujatha	Lecturer Notes on Data Engineering and Communications Techn	2019	NILL	DIET	NILL

A

Suggested the faculty members to improve the citation index and Number of citation excluding self Citation

		ologies book series (LND ECT, volume 28)				
A cloud based smart car parking system based on internet of things technologies	Komali kalla	Mukt shabd journal	2020	NILL	DIET	NILL
Iot Based Garbage Monitoring System	Ch Dine sh	Science, Technology And Development Journal	2020	NILL	DIET	NILL
Secure Routing in MANETS and IoT	Dr. M. Srini vasa Rao	Science, Technology And Devel	2019	NILL	DIET	NILL

		o pment Journa l					
Blockchain Approach To Cyber Security Vulnerabilities Attacks And Potential Countermeasures	Dr. M. Srinivasa Rao	International Journal of Security and Its Applications (IJSIA)	2020	NILL	DIET	NILL	

3.6 h-index of the Institutional Publications during the year. (based on Scopus/ Web of science)

Title of the Paper	A systematic study of cobalt-zinc ferrite nanoparticles for self-regulated magnetic hyperthermia	A Systemic Study Of Cobalt-Zinc Ferrite Nanoparticles For Self Regulated Magnetic Hyperthermia	B	H-index of the institutional publications should be improved
Name of Author	T.R.K. Pydi Raju	P. Appa Rao		
Title of journal	Journal of Alloys and	Journal Of Alloys And		

	Compounds Volume 794, 25 July 2019, Pages 60-67	Compounds
Year of publication	2019	
h-index	1	1
Number of citations excluding self citation	21	21
Institutional affiliation as mentioned in the publication	DIET	DIET

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

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	4	74	2	2
Presented papers	2	NILL	4	NILL
Resource persons	1	NILL	1	NILL

C
Suggests to improve the number of participations

3.4 Extension Activities

3.4.1 Number of extension and outreach programmes conducted in collaboration with industry, community and Non- Government Organizations 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
World Environment day celebration on 5th June 2019	NSS	34	96
World Music Day celebrations on 21st June 2019	Literary and Cultural Club	12	94
Rainwater Harvesting Campaign on 25th June 2019	NSS	16	86
Rainwater conservation Rally on 7th July 2019	NSS	38	124
Independence day celebrations on 15th Aug 2019	NSS	100	456
Internship programme on 25th Aug 2019	NSS	23	94
Ganesh Designing Competition on 30th	IEEE Branch, DIET	21	102

A Suggested to keep up more programs for the development of the organization

Aug 2019			
Ecofriendly innovative Ganesh on 3rd Sept 2019	Literary and Cultural Club	15	26
Teachers day celebrations on 5th Sept 2019	Literary and Cultural Club	95	346
Freshers day celebrations	NSS and Literary and Cultural Club	76	436

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
President Nominations, NYCI	District Wing President	National Youth council of India	1
Council Member Nominations, NYCI	District Council Member	National Youth council of India	1
IEEE SN Nominations	Student Network Member	IEEE Vizag Bay Section	2
IEEE SSR Nominations	Jt Section Student Representative	IEEE Vizag Bay Section	1
IEEE Student Section Congress	Lead Designer	IEEE Hyd Section	1
Divisional youth Festival 2019	Extempore	Govt of Andhra Pradesh	1
Divisional youth Festival 2019	Mimicry	Govt of Andhra Pradesh	1

B

The beneficiaries students should improved

Divisional youth Festival 2019	Dance	Govt of Andhra Pradesh	2
Divisional youth Festival 2019	Singing	Govt of Andhra Pradesh	1
Divisional youth Festival 2019	Fancy Dress	Govt of Andhra Pradesh	1

Students participating in extension activities with Government Organizations, Non-Government Organizations and programmes such as Swatch 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
I Stand for the Nation	Brain O vision	Support to Cycle Rally on 14-2-2020	20	86
Skill events	APSSDC	Skill Competition on 27th Jan 2020	12	300
Voter enrollment Programme	Mandal Development Office, Anakapalle	National Voters Day on 25th Jan 2020	15	316
Govt employees Traing Scheme	MBA Department and ITI Principals	Post employment Training on 29th Nov 2019 ITI	3	26

A

Student participations should be improved more in number

3.

		Principals		
IEEE Extreme 13.0	IEEE Head Quarters, USA	Awareness on IEEE extreme 13.0 test(24 hrs)	4	189
Industryacademia relation	APITA	Industry, academia, Training partners and Stakeholders meet on 31st October 2019	15	93
Gender Issue	Fitness coach Cancer awareness centre	Women empowerment on 8th March 2020	34	213
Health awareness	Govt Hospital, Anakapalle	Aids awareness Rally on 1st Dec 2019	8	58
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	C
Two day Workshop on introduction to	18	e-Yantra IIT Mumbai team	2	
				Collaboration activates should b improved a lot

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	A	Linkages with the institutions/industries
Technical Support	Industry Interface	NSK E Tech Consultancy and Constructions	08/05/2019	31/12/2020	Students		
Technical Support	Industry Interface	KBR Structures	10/07/2019	31/12/2020	Students		
Project work	Industry Interface	B.Gechnologies	13/06/2019	31/07/2020	CSE faculty and Project work students		
Research Facility	IPR Support	National Research Development Corporation	01/06/2019	31/12/2020	Faculty & students		

3.5.3 MoUs signed with institutions of national, international importance, other universities, industries, corporate houses etc. during the year

Organization	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs	B	MoUs improve
National Research Development Corporation	13/06/2019	IPR Support and Funding	24		
NIT Warangal ICT Academy	10/06/2019	Train Faculty in Emerging Technologies	200		
Eswarsai Consultants	10/07/2019	Civil Consultancy Works	12		
KBR Structures	10/07/2019	Civil Consultancy Works	13		
NSK E Tech Consultancy and Constructions Geafix Tally	08/05/2019	Design and Drawings	12		
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		B	Budget allocation should be improvised for better implementations
20		18.37			
4.1.2 Details of augmentation in infrastructure facilities during the year					

Facilities		Existing or Newly Added						
Value of the equipment purchased during the year (rs. in lakhs)		Newly Added						
Laboratories		Existing						
Number of important equipments purchased (Greater than 1-0 lakh) during the current year		Newly Added						
Classrooms with LCD facilities		Existing						
Number of important equipments purchased (Greater than 1-0 lakh) during the current year		Newly Added						
Others		Newly Added						
4.2 Library as a Learning Resource								
4.1 Library is automated {Integrated Library Management System -ILMS}								
Name of the ILMS software		Nature of automation (fully or partially)		Version		Year of automation		
SOUL (Software for University Libraries)		Fully		2.0		2009		
4.2.1 Library Services								
Library Service Type	Existing		Newly Added		Total			
Text Books	21875	5541970	418	140030	22293	5682000		
Reference Books	3501	840649	286	96098	3787	936747		
A								
Augmentation in infrastructure facilities should be improved								
Improved Library facility with well equipped Automation facilities								
A								
Need to increase the volume for the future requirements								

e-Books	840	71515	246	20910	1086	92425
Journals	191	1050122	57	119000	248	1169122
e-Journals	14358	3182122	4070	72216	18428	3254338
Digital Database	1	87570	1	13570	2	101140
CD & Video	15102	Nil	973	Nil	16075	Nil
Library Automation	Nil	20000	Nil	Nil	Nil	20000
Weeding (hard & soft)	320	90882	48	13745	368	104627

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 econtent
Dr. K.Sujatha	Software Design	Electrical Signals	20/11/2019
Dr. L.Prasanna Kumar	Programming Design	Programming	12/02/2020

B

Contents should be improved

4.3 IT Infrastructure

4.3.1 Technology Up gradation (overall)

Type	Existing	Added	Total
Total Computers	425	100	525
Computer Lab	10	0	10
Internet	55	5	60

A

Bandwidth and browsing centers should be improved

Rowing	3	1	4			
Centers						
Computer Centers	1	0	1			
Office	20	0	20			
Departments	6	0	6			
Available Bandwidth (MBPS/GBPS)	55	5	60			
Others	0	0	0			
Bandwidth available of internet connection in the Institution (Leased line)						
60 MBPS/ GBPS				A	Improvement require in the bandwidth area.	
3	Facility for e-content					
	Name of the e-content development facility	Provide the link of the videos and media centre and recording facility		A	Improvement require in the e-content and make sure that the content available in the library and website for student access.	
	Institutional Vedeo Lectures in ELibrary	https://youtu.be/a5dXVW10-fl				
	Institutional Vedeo lectures in e-Library	https://www.youtube.com/channel/UCcNm8g bXyliYG dfwDm-RRBw?view_as=subscriber				
3.4	E-content developed by teachers such as: e-PG-Pathshala, CEC (under e-PG-Pathashala CEC (Under Graduate) SWAYAM other MOOCs platform NPTEL/NMEICT/any other Government initiatives & institutional (Learning Management System (LMS) etc			A	Required some improvement in the development of E-content	
4.4 Maintenance of Campus Infrastructure						
4.4.1	Expenditure incurred on maintenance of physical facilities and academic support facilities, excluding salary component, during the year					
	Assigned Budget on academic facilities		75	B	More budget has to be allocated for upgrading of the	
	Expenditure incurred on maintenance of academic facilities		80			
	Assigned budget on physical facilities		185			

Expenditure incurred on maintenance of physical facilities

4.4. Procedures and policies for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc.

A

facilities
Policies and procedures
slight changes

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	Sarada Educational Trust Sponsorship	321	4479900
Financial Support from Other Sources			
a) National	NIL	NILL	0
b) International	IEEE Headquarters, USA [Annual Rebate for IEEE Activities]	102	21675

B

Improvement require at the national and international and other resources as well

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

Name of the capability enhancement scheme	Date of implemetation	Number of students enrolled	Agencies involved
Newspaper Reading	17/06/2019	249	EEE Department
Brain Storming Session for	28/08/2019	93	EEE Department

B

Student participation should be improved

E luctees				
Soft Skills Classroom Activity extempore	12/11/2019	93	DIET EEE SPARKS Club	
Campus Recruitment Training Classes	16/12/2019	178	COIGN consultancy	
Campus Recruitment Training Classes	16/12/2019	186	FACE consultancy	
Cambridge English Language class asses	08/01/2020	128	English Dept	
Personality Development Programme	26/08/2019	300	Sri Satish Valiveti	
Technical Seminars	03/03/2020	91	EEE Department	
SPARKS Club Stall Activities	03/01/2020	185	DIET EEE SPARKS Club	
3	Students benefited by guidance for competitive examinations and career counseling offered by the institution during the year			
	Year	2020		B Department heads and faculty should motivate the students and encourage them to participate in the activities
	Name of the scheme	GATE and PGCET		
	Number of benefited students for competitive examination	317		
	Number of benefited students by career counseling activities	360		
	Number of students who have passed in the comp. exam	1		
	Number of students placed	19		
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	2	A	Good initial the number grievances be reduced to greater extent
Number of grievances redressed	2		
Avg. number of days for grievance Redressal	3		

5.2 Student Progression

5.2.1 Details of campus placement during the year

On campus	Name of organizations visited	2	C	Student placement should be improved at all levels
	Number of students participated	280		
	Number of students placed	19		
Off campus	Name of organizations visited	25		
	Number of students participated	284		
	Number of students placed	50		

5.2.2 Student progression to higher education in percentage during the year

Year	2020	2020	2020	2020
Number of students enrolling into higher education	2	1	5	11
Programme graduated from	B.Tech	B.Tech	B.Tech	B.Tech
Department graduated from	ECE	CIVIL	EEE	CSE
Name of institution joined	JNTUK Affiliated colleges	JNTUK Affiliated colleges	JNTUK Affiliated colleges	JNTUK Affiliated colleges
Name of programme admitted to	M.Tech	M.Tech	M.Tech	M.Tech

C Motivate the students to go for higher studies and the number should be increased

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		D	Students participation in state /central examinations need to be improved
GATE	NIL			
4 Sports and cultural activities / competitions organized at the institution level during the year				
Activity	Level	Number of Participants	A	Participations are good in number and chance to improve
Treasure Hunt	Institutional Level	421		
Pot Painting	Institutional Level	31		
Kite Flying	Institutional Level	57		
Rangoli Competition	Institutional Level	126		
Role Play	Institutional Level	79		
Food Carving	Institutional Level	27		
Craft making	Institutional Level	32		
Dance Competition	Institutional Level	337		
Singing Competition	Institutional Level	56		
Volley Ball competition	Inter Collegiate	8		
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	2019		B	Physical Education department should concentrate more and make good number of students participations in the
Name of the award/medal	93kg Power Lifting			
National/International	National			
Number of awards for Sports	1			
Number of awards for Cultural	NIL			
Student ID number	18U45A0240			

	Name of the student	M Laliteswara Rao		
	5.3.2	Activity of Student Council & representation of students on academic & administrative bodies/committees of the institution		
		5.3 Alumni Engagement		
	5.3.1	Whether the institution has registered Alumni Association? Yes/No, if yes give details		
5.	5.3.2	Activity of Student Council & representation of students on academic & administrative bodies/committees of the institution (maximum 500 words)		
	5.4	Alumni Engagement		
	5.4.1	Whether the institution has registered Alumni Association?		
		YES		
		Registered at Institute Level.		
	5.4.2	No. of enrolled Alumni:		
		1536	A	Faculty sh make the st to registered a part of alt
5	5.4.3	Alumni contribution during the year (in Rupees) :		
		0	D	Contributions alumni shou improved
	5.4.4	Meetings/activities organized by Alumni Association :		
		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		
	6.1.2	Does the institution have a Management Information System (MIS)? Yes/No/Partial:		
		YES	A	Good imitative an continue the same
	6.2	Strategy Development and Deployment		

Quality improvement strategies adopted by the institution for each of the following

Implementation of e-governance in areas of operations

6.3 Faculty Empowerment Strategies

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	Mr.K.Sasidhar	Outcome Based Education – NIT Warangal- Electronics ICT Academy	NILL	2500	A	Faculty financial support need to be increased
2019	S.Panigrahi	Outcome Based Education – NIT Warangal- Electronics ICT Academy	NILL	2500		
2019	Trk.PydiRaju	Outcome Based Education –	NILL	2500		

5

		NIT Warangal- Electronics ICT Academy		
2019	S.Vanaja	Outcome Based Education - NIT Warangal- Electronics ICT Academy	NILL	2500
2019	K.Murali	Outcome Based Education - NIT Warangal- Electronics ICT Academy	NILL	2500
2019	P.Madhuri	Outcome Based Education - NIT Warangal- Electronics ICT Academy	NILL	2500
2019	D.Swapna	Outcome Based Education - NIT Warangal-	NILL	2500

		Electronics ICT Academy			
2019	B.Ch.K.Preet hi	Outcome Based Education – NIT Warangal- Electronics ICT Academy	NILL	2500	
2019	P.Venkat Murali	Outcome Based Education – NIT Warangal- Electronics ICT Academy	NILL	2500	
2019	Dr.Ch.Prabh akar Rao	Outcome Based Education – NIT Warangal- Electronics ICT Academy	NILL	2500	

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	Title of the administrative	From date	To Date	Number of participants	Number of participants

	development program me organise d for teaching staff	training program me organise d for non-teaching staff			(Teaching staff)	(non-teaching staff)
2019	OBE(Outcome Based Education)	NILL	27/05/2019	01/06/2019	76	NILL
2019	problem solving Programing using Python	NILL	04/09/2019	14/09/2019	43	NILL
2019	NILL	MATLAB ON Ramp	18/11/2019	23/11/2019	2	4
2020	NILL	An Orientation program me on Hydraulics Lab	20/03/2020	21/03/2020	3	4

B

Faculty participations be improv

2020	NILL	Training on MS Office tools	06/03/2020	07/03/2020	1	3
2020	NILL	Training on MS Office Tools	06/03/2020	07/03/2020	1	10

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	Chance for slight increase in the faculty participations
Tata steel Capability Development certificate course on PLCs	1	15/05/2020	22/05/2020	8		
National online FDP on covid-19 as global crisis application and depreciation of language and literature from	1	12/05/2020	14/05/2020	3		
FDP on Research Challenges and Innovations in Renewable	1	11/05/2020	16/05/2020	6		

Energy Systems					
Online Teaching Etiquette Best Practices	5	10/05/2020	15/05/2020	5	
Math works Training services AICTE Approved course	1	02/05/2020	10/05/2020	9	
FDP on online college Management Online Content Creation Tools	1	30/04/2020	02/05/2020	3	
Universal Human values Online course on examination reforms	1	24/04/2020	29/04/2020	5	
Life skills education to project intellectual property and Leverage Ethical Behaviour	2	10/07/2019	23/07/2019	14	
Outcome based Education-FDP	52	25/05/2019	01/06/2019	6	
6.3.4 Faculty and Staff recruitment (no. for permanent/fulltime recruitment):					
Teaching		Non-teaching		A	Criteria satisfied
Permanent	Full Time	Permanent	Full Time		
137	137	58	58		
6.3.5	Welfare schemes for				

teaching	Non-teaching	Students				
Provident Fund, Group Insurance, increments and incentives	Provident Fund, ESI, Group Insurance, increments and incentives	Sponsorship of fee to poor and merit students, Group insurance, cash prizes and silver medals for meritorious students.	A	Good initiatives and chance to add few more employee benefit through various schemes		
6.4 Financial Management and Resource Mobilization						
Institution conducts internal and external financial audits regularly YES			B	Auditing done through certified auditor and submit the same to hierarchy		
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	C	Funding agencies /grants are to be improved		
	Nil					
No file uploaded.						
6.4.2	Total corpus fund generated					
	0,0					
6.5 Internal Quality Assurance System						
6.5.1	Whether Academic and Administrative Audit (AAA) has been done?					
Audit Type	External		Internal		A	AAA has undergone the auditing process every semester end
	Yes/No	Agency	Yes/No	Authority		
Academic	YES	ISO	YES	IQAC		
Administrative	YES	ISO	YES	IQAC		
6.5.2	Activities and support from the Parent – Teacher Association (at least three)			B	Through proper mentoring and interaction with parents which gives	

6.5.3 Development programmes for support staff (at least three)

B

best results
P-T Assoc
Activates for
encouraging
supporting
to be increas

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

- 6.5.5
- a. Submission of Data for AISHE portal : (Yes /No) YES
 - b. Participation in NIRF : (Yes /No) YES
 - c. ISO Certification : (Yes /No) YES
 - d. NBA or any other quality audit : (Yes /No) 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
2019	Academic Feedback Odd Semester (2,3,4 B.Tech Classes)	24/06/2019	24/06/2019	29/06/2019	740
2020	Academic Feedback Even Semester (2,3,4 B.Tech Classes)	02/12/2019	02/12/2019	07/12/2019	723
2019	Academic Audit Odd Semester	30/12/2019	30/12/2019	04/01/2020	15

B

Quality initiative are good in number and chance for improvement

2020	Academic And Administrative Audit (AAA)	28/12/2020	28/12/2020	31/12/2020	15
2020	Academic Audit Even Semester	14/12/2020	14/12/2020	19/12/2020	15
2019	Collaborative Activities For Research	12/07/2019	12/07/2019	13/07/2019	150
Nil	Mathematics Day	21/12/2019	21/12/2019	21/12/2019	150
2020	Entrepreneurship Development Programme	20/02/2020	20/02/2020	20/02/2020	252
Nil	Academic Feedback Odd Semester (First Year B.Tech)	09/09/2019	09/09/2019	14/09/2019	164
Nil	Academic Feedback Even Semester R(First Year B.Tech)	17/02/2020	17/02/2020	22/02/2020	164

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	
			Male	
International Women's Day	07/03/2020	07/03/2020	120	International Women's Day
Human Rights Day	10/12/2019	10/12/2019	40	Human Rights Day
National Education Day - Birthday of Moulana Abul kalam Azad	11/11/2019	11/11/2019	40	National Education Day - Birthday of Moulana Abul kalam Azad
World Students' Day- Birthday of Dr.A.P.J.Abd ul Kalam	15/10/2019	15/10/2019	80	World Students' Day- Birthday of Dr.A.P.J.Abd ul Kalam

A

Gender Equity promotion programs can improved

7.1.2 Environmental Consciousness and Sustainability/Alternate Energy initiatives such as: Percentage of power requirement of the College met by the renewable energy sources

A

Power saving mechanisms are observed in the institute and strictly implemented and

encouraged by all the staff and students

Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	YES	2
Provision for lift	YES	180
Ramp/Rails	YES	4
Rest Rooms	YES	10
Scribes for examination	YES	2

A

Students are requester to utilize the facilities provided by applying through proper channel

1.4 Inclusion and Situations

Year	2019	2019	2019	2019	2020	2020
Number of initiatives to address locational advantages and disadvantages	1	1	1	1	1	1
Number of initiatives taken to engage with and contribute to local community	1	1	1	1	1	1

A

Initiatives are good and chance to improve

Date	21/06/2019	20/08/2019	01/10/2019	10/12/2019	05/06/2020	21/06/2020
Duration	7	10	3	2	4	2
Name of initiative	International Yoga Day	Road safety awareness	Mega Blood Donation Camp	Human Rights Day	World Environment Day	International Yoga Day
Issues addressed	Awareness on Yoga and Asanas	Wear helmet No triple riding Wear seat belt	Awareness the importance of donating blood	Awareness on Human rights, need and importance	Save and protect earth Plantation	Awareness on Yoga and Asanas
Number of participating students and staff	40	102	50	120	60	60

7.1.5	Human Values and Professional Ethics				A	Human values & Professional ethics are followed and observed in the college
7.1.6	Activities conducted for promotion of universal Values and Ethics					
	Activity	Duration From	Duration To	Number of participants	A	Students participation from

09/08/2019	16/08/2019	160	all the departments can be improved with good number of participants
10/08/2019	10/08/2019	160	
11/11/2019	11/11/2019	160	
24/02/2020	24/02/2020	160	
1.7	Initiatives taken by the institution to make the campus eco-friendly (at least five)		
7.2 Best Practices			
7.3 Institutional Distinctiveness			
	✓ Special Leaves with pay and seed grant are provided to the faculty pursuing Ph.D		
	✓ Reduced workload at the time of writing thesis		
	✓ The functioning of Research groups to promote better quality research and publications has been strengthened.		
	✓ Providing remedial classes to slow learners and coaching to the fast learners for higher studies opportunities such as GATE, IELTS, PGECET and Foreign languages.		
	✓ The institute has a well-defined policy in providing incentives for sponsored projects, matching grants, patents and publications in indexed journals		