Yearly Status Report - 2019-2020

Part A	
Data of the Institution	
1. Name of the Institution	**VALLURUPALLI NAGESWARA RAO VIGNANA JYOTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY**
Name of the head of the Institution	**Dr. C. D. Naidu**
Designation	**Principal**
Does the Institution function from own campus	**Yes**
Phone no/Alternate Phone no.	**040-23041517**
Mobile no.	**9391008138**
Registered Email	**principal@vnrvjiet.ac.in**
Alternate Email	**paac@vnrvjiet.in**
Address	**Vignana Jyothi Nagar, Pragathi Nagar, Bachupally (M), Nizampet (S.O), Hyderabad**
City/Town	**Hyderabad**
State/UT	**Telangana**

Pincode	**500090**

2. Institutional Status

Autonomous Status (Provide date of Conformant of Autonomous Status)	**17-Aug-2012**
Type of Institution	**Co-education**
Location	**Urban**
Financial Status	**private**
Name of the IQAC co-ordinator/Director	**Dr. V. Ramesh Babu**
Phone no/Alternate Phone no.	**04023042956**
Mobile no.	**9866524514**
Registered Email	**iqac@vnrvjiet.in**
Alternate Email	**paac@vnrvjiet.in**

3. Website Address

Web-link of the AQAR: (Previous Academic Year)	http://www.vnrvjiet.ac.in/iqac/aqar(2018-2019).pdf

4. Whether Academic Calendar prepared during the year

	Yes
if yes,whether it is uploaded in the institutional website: Weblink :	http://vnrvjiet.ac.in/bac.php

5. Accrediation Details

Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
1	**A**	**3.21**	**2013**	**05-Jan-2013**	**04-Jan-2018**
2	**A++**	**3.73**	**2018**	**16-Aug-2018**	**15-Aug-2023**

6. Date of Establishment of IQAC

18-Feb-2013

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
Anti-Plagiarism Check for students project thesis	01-Jul-2019 240	2416
Mandate learning of any of Mezzanine Technologies	01-Jul-2019 240	358
Summer Internships to students of other institutes	01-Mar-2020 120	137
Faculty Appraisal Form (improved version)	01-Jun-2020 360	358
Faculty Professional Growth Plan	01-Jun-2020 360	358
Compliance and Time Management Reports	01-May-2020 360	632
WIT & WIL (Why am I Teaching What I am Teaching & Why am I Learning What I am Learning)	01-Jul-2019 360	4000
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8. Provide the list of Special Status conferred 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
VNR VJIET	CPE	UGC	2016 5	0
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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 :	**10**
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	**No**

during the year?	

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

Institute received QS IGauge Diamond Rating and secured NIRF 127 rank among all Engineering Colleges.

Post Lockdown Restart Manual Frame work for Prevention and Mitigation of COVID19.

Institute received Best Engineering college award from Ambitions Career Counsellors and VNRVJIET CSI student branch was received CSI best accredited student branch award for 201920

Obtained approval from AICTE for 4 New UG courses with an intake of 60 in each

Conducted a survey on Online Teaching/Learning in the aspects of effectiveness and Computational facilities

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

Plan of Action	Achivements/Outcomes
WIT WIL (Why am I Teaching What I am Teaching Why am I Learning What I am Learning)	Improvement in quality of delivery of concept and content to the students
Compliance and Time Management Reports (Facelifted)	Faculty and staff are able to constructively utilize the time by selfaudit of the time
Faculty Professional Growth Plan	Faculty get confined to a specified and a preset career path
Faculty Appraisal Form (improved version)	Faculty are able to portrait their contributions, how small they are
Department Academic Audit Form	Made department SWOC analysis possible
Summer Internships to students of other institutes	Supported 137 students of other institutes through institutes intellectual and infrastructural resources and produced 50 technical papers.
Mandate learning of any of Mezzanine Technologies	Faculty are updated to emerging technologies
Anti-Plagiarism Check for students project thesis	The quality of students' project works has been improved
Preparation for QS I-Gauge rating	Achieved Diamond Rating
Preparation for NIRF	Achieved 127 rank among all engineering colleges

14. Whether AQAR was placed before statutory body ?	Yes

Name of Statutory Body	Meeting Date
The Governing Council	23-Apr-2021

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	2020

Date of Submission	03-Feb-2020

17. Does the Institution have Management Information System ?	Yes

If yes, give a brief descripiton and a list of modules currently operational (maximum 500 words)	Campus Automation Software (CAMS) CAMS at VNR VJIET has different features for automation of functions at the Institute. 1. Admissions : This module makes admission process automated. It generates the report on the seats allotment by convener and its status like sliding of branches etc. Out of the students applied for seats under B Category, merit list is prepared and offered them in the order of merit. Roll lists are also generated. 2. Academics Course Management: Creates Course based on Program, regulation, semester, branch. Faculty Course Mapping, , Academic Calendar, Teaching methodologies, and Elective Settings are offered. Class Management: It creates Branch wise and Student wise Attendance. The Time Slots, Time Tables, section, sub section, open elective, student attendance, extra class, class suspension and lab swapping facilities are provided. Student management: Student, rejoined and readmitted student, substitute subject, student ID card and Bulk updating options are provided Certificates: It creates Course Completion Certificate, Custodian Certificate, Transfer Certificate,

Bonafide certificate, third party verification and Pursuing certificate. 3. Examination and Evaluation : It provides the functionality for student examination registration for end semester and creating seating arrangement for students. It facilitates the Nominal Rolls, Room and Branch(s) wise on a date of examination for both Internal/External. Provides the functionality for generation of Admit Card and Internal Marks Entry by faculty. 4. HR Module : This module provides functionality for creating holidays, Various Leaves, creating user and assign roles, reference data, service book, Pending Approvals, Employee's Shift, Employee ID Card and define workflow. 5. Accounts and Payroll : Various account related functionalities are created like payment status, part payment, Ledger maintenance etc. Payrolls can be created and the pay scales and Payroll details can be revised according to dynamically changing DA time to time. 6. Biometric Attendance: This module captures the staff attendance through facial recognition system and maintains the record of it. The earlier attendance capturing through finger prints is replaced with facial recognition to curb the spread of Covid. 7. Learning Management Systems: This module facilitates to create assignments, allotment of marks and deadlines for submission. The faculty can select the students whom from he/she wants to get the assignments.

Part B

CRITERION I – CURRICULAR ASPECTS

1.1 – Curriculum Design and Development

1.1.1 – Programmes for which syllabus revision was carried out during the Academic year

Name of Programme	Programme Code	Programme Specialization	Date of Revision
BTech	A01	Civil Engineering	19/08/2019
BTech	A02	Electrical and Electronics Engineering	19/08/2019
BTech	A03	Mechanical Engineering	19/08/2019
BTech	A04	Electronics and Communication	19/08/2019

BTech	A05	Computer Science and Engineering	19/08/2019
BTech	A10	Electronics and Instrumentation Engineering	19/08/2019
BTech	A12	Information Technology	19/08/2019
BTech	A24	Automobile Engineering	19/08/2019
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1.1.2 – Programmes/ courses focussed on employability/ entrepreneurship/ skill development during the Academic year

Programme with Code	Programme Specialization	Date of Introduction	Course with Code	Date of Introduction
BTech	Civil Engineering	19/08/2019	19ES2CS01 Programming through C Laboratory	19/08/2019
BTech	Civil Engineering	19/08/2019	19ES2ME01 Workshop Practices	19/08/2019
BTech	Civil Engineering	19/08/2019	19ES3CE01 Engineering Drawing for Civil Engineers	19/08/2019
BTech	Civil Engineering	19/08/2019	19BS1MT04 Linear Algebra and Advanced Calculus	19/08/2019
BTech	Civil Engineering	19/08/2019	19BS1MT01 Calculus for Engineers	19/08/2019
BTech	Civil Engineering	19/08/2019	19BS1CH01 Engineering Chemistry	19/08/2019
BTech	Civil Engineering	19/08/2019	19HS1EN01 English	19/08/2019
BTech	Civil Engineering	19/08/2019	19ES1CS01 Programming through C	19/08/2019
BTech	Civil Engineering	19/08/2019	19BS2CH01 Engineering Chemistry Laboratory	19/08/2019
BTech	Civil Engineering	19/08/2019	19HS2EN01 English Language Communication Skills	19/08/2019

		Laboratory	

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the Academic year

Programme/Course	Programme Specialization	Dates of Introduction
BTech	Computer Science and Business Systems (Physics for Computing Science)	19/08/2019
BTech	Computer Science and Business Systems (Principles of Electrical Engineering)	19/08/2019
BTech	Computer Science and Business Systems (Fundamentals of Computer Science)	19/08/2019
BTech	Computer Science and Business Systems (Introductory Topics in Statistics, Probability and Calculus)	19/08/2019
BTech	Computer Science and Business Systems (Discrete Mathematics)	19/08/2019
BTech	Computer Science and Business Systems	19/08/2019
BTech	Computer Science and Business Systems (Fundamentals of Computer Science Laboratory)	19/08/2019
BTech	Computer Science and Business Systems (Principles of Electrical Engineering Laboratory)	19/08/2019
BTech	Computer Science and Business Systems (Physics for Computing Science Laboratory)	19/08/2019
BTech	Computer Science and Business Systems (Business Communication and Value Science - I)	19/08/2019

1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective Course System implemented at the College level during the Academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
BTech	Computer Science and Business Systems	19/08/2019

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
Python	19/08/2019	130
Solar Training Program	16/12/2019	130
Java Programming	07/08/2019	69
Robotics	02/12/2019	134
BIM (Building information Modeling)	01/06/2020	56
Machine Learning	08/06/2020	109
Solar PV Systems	16/12/2019	138
IoT	13/12/2019	107
Competitive Coding Skills	14/12/2019	246
BEC (Business English Certificate)	30/12/2019	14
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1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
BTech	Civil Engineering - Field Projects	280
BTech	Electrical and Electronics Engineering - Field Projects	272
BTech	Mechanical Engineering - Field Projects	281
BTech	Electronics and Communication Engineering - Field Projects	494
BTech	Computer Science & Engineering - Field Projects	424
BTech	Electronics and Instrumentation Engineering - Field Projects	266
BTech	Information Technology - Field Projects	279
BTech	Automobile Engineering - Field Projects	111
BTech	Information Technology – Internships	198
Mtech	Structural Engineering - Field Projects	18
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1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	Yes
Alumni	Yes
Parents	Yes

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

Feedback Obtained

The institute has a properly structured mechanism to obtain the feedbacks from all the stakeholders like students, parents, employers, Alumni and teachers through well designed formats. The feedback received from the students and stakeholders are carefully analysed, discussed and appropriate actions are initiated at various bodies including the Department Academic Committee, Academic Council, Governing Council etc. Feedback will be given by students through online in the first month and last months of the each semester. Students give their options for all the staff (E – Excellent, G – Good, S – Satisfactory, U – Unsatisfactory) for the questionnaire provided. The weightages for the various options are 5 for E, 4 for G, 3 for S and 1 for U. The responses given by the students are consolidated and evaluated on a five point scale. The feedback thus obtained is sent to the principal and concerned Heads of the Department for further action. Especially, the faculty who got less than 3 on a 5 point scale are addressed specifically. The institute being transparent considers the suggestions/feedbacks of faculty through different platforms like Class Review Committee (CRC) meeting, BOS, Faculty Exit Surveys and other brain storming sessions usually conducted by the institute. The feedback from the employers on the students' performance and the necessity of revising the curriculum to suit the present industrial needs is obtained through the Training and Placement Cell. Subsequently, the information is disseminated to the concerned departments. The alumni who are in the fields of process industry, service sector and other functional domains are involved in different boards/ associations like Board of Studies (BoS), Internal Quality Assurance Cell (IQAC), Alumni counselling sessions etc. The feedback thus obtained from them is utilized in the process of the curriculum enrichment. The Parent Teacher Meetings (PTMs) are regularly conducted in the departments. The valuable suggestions are obtained from the parents and noted for the possible implementations. The major correspondence between the parents and institute happens through the students' mentors and suggestions are taken. The complete procedures for feedback system is available at http://www.vnrvjiet.ac.in/feedbacksystem.php

CRITERION II – TEACHING- LEARNING AND EVALUATION

2.1 – Student Enrolment and Profile

2.1.1 – Demand Ratio during the year

Name of the Programme	Programme Specialization	Number of seats available	Number of Application received	Students Enrolled
BTech	CIVIL ENGINEERING	36	420	36
BTech	ELECTRICAL AND ELECTRONICS	36	1017	36

	ENGINEERING				
BTech	MECHANICAL ENGINEERING	36	493	36	
BTech	ELECTRONICS AND COMMUNICATION ENGINEERING	72	1855	72	
BTech	COMPUTER SCIENCE AND ENGINEERING	72	2155	72	
BTech	INFORMATION TECHNOLOGY	54	1810	54	
BTech	ELECTRONICS AND INSTRUMENTATION ENGINEERING	36	299	36	
BTech	AUTOMOBILE ENGINEERING	18	165	18	
BTech	COMPUTER SCIENCE AND BUSINESS SYSTEMS	18	1144	18	
Mtech	Geotechnical Engineering	5	9	4	

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2.2 – Catering to Student Diversity

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

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2019	4950	294	319	39	90

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	Numberof smart classrooms	E-resources and techniques used
358	345	15	75	75	15

[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)

MTP is an innovative and novel program designed to train all the students from the beginning to equip with strong academic knowledge and aggressively exploit opportunities available with Indian and Global Corporates. This program enables every student to become proactive in defining their own requirements for training. MTP is

an integrated intervention of 'Career Vision Approach' and MTP aims to take positive action through its three areas of activity: • Mentoring by a faculty member • Training by Professional Trainers • Placement through Campus interviews. In this program, students are encouraged to take initiative to interact regularly with their mentors. During the weekly mentoring schedules, the student's performance is monitored through MTP record wherein the activities of the student are updated regularly. The student's strengths and weaknesses are identified by the mentor and are trained in the right direction to overcome weaknesses and further strengthen the positive attributes to groom him/her into a complete individual. This is consciously done with the specific aim to prepare the student to face challenges in this competitive world and to achieve personal and professional goals through placement. MTP book is much beyond a record of activities. It is a mirror of the student and his work in the Engineering Student life. Mentoring: 1. A faculty mentor is the first point of contact for the student as a part of the Induction Programme. During this, the mentors get introduced to their batch of mentees and initiate them into the academic environment. 2. The mentors assist mentees in filing up the Student Master Information-form in the MTP record. 3. The mentors organize and guide them on a tour to familiarize them with the various central and departmental facilities. 4. Facilitate interaction by scheduling unique matrixing session with the senior students 5. Conduct stimulating talks by eminent persons from the academia and industry. The mentor monitors the updating of the academic and attendance details and any other information regarding activities, in the MTP record every fortnight. • Provide timely counselling and advice to mentee in all aspects namely, Academics, CCA, ECA etc.. • Communicate the issues with the HOD for corrective measures if any. • If needed, a communication is sent to the parents regarding the status of the student. Mentoring Framework : The mentoring activities are coordinated by the Mentoring coordinator. The mentors are faculty members appointed by the HOD'S from the respective departments. Each mentor is attached to a group of 13 to 15 students. They are trained to handle Behavioural aspects, Academic issues, Career Guidance etc.. students are attached to the same mentor until they complete their course. Mentors are available to support the mentees even after the working hours and on all exigencies. The mentoring coordinator will meet the mentors twice each semester to discuss the schedules and follow up action and record in MTP Book. Relationship Management Centre with a Certified Personal counsellor is available in the institute for special counselling sessions and also for personal meeting between the mentor and parent.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
5244	358	1:15

2.4 – Teacher Profile and Quality

2.4.1 – Number of full time teachers appointed during the year

No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the current year	No. of faculty with Ph.D
358	358	Nill	5	144

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

Year of Award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
2019	Dr.K.Ravikumar	Associate Professor	Active SPOC, NPTEL chapter of the Institute
2019	R Harika	Assistant Professor	Received Elite certificate, NPTEL
2019	Sangeetha S	Assistant Professor	Received Elite certificate NPTEL
2019	Dr.A.Mallika	Professor	Nominated as Member, Board of Studies, JNTUH
2019	Dr.A.Mallika	Professor	Judge for pre- jury jury for "IGBC

			green your school programme 2019"
2019	Dr.N.Krishna Kumari	Associate Professor	Best Paper Award, PECCON-19,VIT,Chennai
2019	Dr.T.Hari priya	Assistant Professor	Best reviewer award, Journal of The Institution of Engineers (India): Series B.
2019	Dr.T.Hari priya	Assistant Professor	Reviewer for Taylor Francis Journal, "Electric Power Components and Systems".
2020	Dr.Y.Padma Sai	Professor	Chair WIE AG IEEE Hyderabad section
2020	Dr.Y.Padma Sai	Professor	IEEE student Branch councillor
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2.5 – Evaluation Process and Reforms

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

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of results of semester-end/ year- end examination
BTech	A	II/II	25/11/2020	28/12/2020
BTech	A	I/I	10/01/2020	01/02/2020
BTech	A	II/I	20/11/2020	28/12/2020
BTech	A	I/II	29/11/2019	27/12/2019
BTech	A	I/III	30/11/2019	27/12/2019
BTech	A	II/III	26/11/2020	28/12/2020
BTech	A	I/IV	02/12/2019	27/12/2019
BTech	A	II/IV	20/09/2020	26/09/2020
Mtech	D	I/I	31/01/2020	22/02/2020
Mtech	D	II/I	28/10/2020	14/12/2020
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2.5.2 – Average percentage of Student complaints/grievances about evaluation against total number appeared in the examinations during the year

Number of complaints or grievances about evaluation	Total number of students appeared in the examination	Percentage
Nill	5058	0

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)

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
D87	Mtech	Highway Engineering	18	15	83.33
D20	Mtech	Structural Engineering	18	18	100.00
A24	BTech	Automobile Engineering	51	42	82.35
A12	BTech	Information Technology	70	62	88.57
A10	BTech	Electronics And Instrumentation Engineering	133	106	79.70
A05	BTech	Computer Science And Engineering	142	135	95.07
A04	BTech	Electronics And Communication Engineering	212	188	88.68
A03	BTech	Mechanical Engineering	141	116	82.27
A02	BTech	Electrical And Electronics Engineering	132	104	78.79
A01	BTech	Civil Engineering	139	109	78.42

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2.7 – Student Satisfaction Survey

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

http://www.vnrvjiet.ac.in/StudentsSatisfactionSurvey2019-20.pdf

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 – Promotion of Research and Facilities

3.1.1 – The institution provides seed money to its teachers for research

Yes

Name of the teacher getting seed money

| | Lanka Sandeep Raj | | | |

3.1.2 – Teachers awarded National/International fellowship for advanced studies/ research during the year

Type	Name of the teacher awarded the fellowship	Name of the award	Date of award	Awarding agency
National	Mr.S.V.N.Narayana Rao	Best student innovation award for the project title "Semi-Automatic Prosthetic Hand"	30/12/2019	ISTE, Telangana
National	Dr.Y.Padma Sai	Best student innovation award for the project title "Digital Health advisory system for chronic respiratory diseases"	30/12/2019	ISTE, Telangana
National	Mr.S.V.N.Narayana Rao	Best student innovation award for the project title "Digital Health advisory system for chronic respiratory diseases"	30/12/2019	ISTE, Telangana
National	Dr. Y. Padma Sai	Received "Uthama Acharya Puraskar" National Award for Impact creators in Engineering Education in commemoration 150th of Birth Anniversary Celebrations of Mahatma Gandhi	02/10/2019	VR Siddhartha Engineering College, Vijayawada by Indian Servers
International	Dr. Y Chalapathi Rao	Awarded to Reviewed Two SCI indexed Journal papers	06/02/2020	International Journal of Communication Systems

International	Dr. Y. Padma Sai	Awarded Gold Medal by Korean Intellectual Property Office(KIPO) Korea International Women Invention Exposition (KIWIE-2019) as women entrepreneur(A system for analyzing Risk Associated with Coughing Sounds)	23/06/2019	KIWIE-2019
International	Dr. Y. Padma Sai	Special prize for creative in ventionYongmaan park,Chiramn of the Korea Chamber of Commerce and Industry, Korea	23/06/2019	Korea Chamber of Commerce and Industry
National	Mrs.D.Kanthi Sudha	Winners of SMART INDIA HACKATHON -2019 Hardware Edition (as a mentor)	12/07/2019	MHRD AICTE
International	Santanukumar Das	Outstanding Reviewer award	30/11/2019	ELSEVIER
International	Mr.Sravanth Kumar	Excellence Researcher award (Male)	10/02/2020	GISR Foundation
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3.2 – Resource Mobilization for Research

3.2.1 – 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
Minor Projects	2	JNTUH - TEQIP-III	2.9	2
Minor Projects	2	JNTUH - TEQIP-III	2.5	1
Minor Projects	2	JNTUH - TEQIP-III	3	2
Minor Projects	2	JNTUH - TEQIP-III	3	2
Minor Projects	2	JNTUH - TEQIP-III	2.99	2

Minor Projects	2	JNTUH - TEQIP-III	3	2
Minor Projects	3	UGC-DAE	1.35	0.45
Major Projects	3	DST	8.76	0
Minor Projects	3	DST	14.1	0
Major Projects	3	SERB Fund	15	2.75

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 3.2.2 – Number of ongoing research projects per teacher funded by government and non-government agencies during the years

0.09

3.3 – Innovation Ecosystem

 3.3.1 – 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
World IP day	ED Cell	26/04/2019
Startup idea and patent idea competition	ED Cell	16/09/2019
Startup idea and patent idea competition	ED Cell	26/09/2019
Josh talks	ED Cell	15/09/2019
Initiatives of TiE Grad Program	ED Cell	07/08/2019
Guest Lecture on TiE Grad Initiatives	ED Cell	10/08/2019
Tie Grad 2019 Kick off Session	ED Cell	20/09/2019
BIRACs Sparsh Social Innovation Immersion Programme	ED Cell	30/12/2019
TiE Grad Premier League	ED Cell	09/01/2020
Business Model Canvas and Business Modelling	ED Cell	12/02/2020
Awareness Program on Digital Marketing	ED Cell	17/02/2020
Ecficio 3.0 - Techno - E Week (Entrepre neurship Week)	Institute Innovation Council	26/02/2020
Talk by Mr. Krish Nangegadda on NUIDEA India	ED Cell	18/12/2019
Business Model Canvas Social Entrepreneurship	ED Cell ALLIKA	16/09/2019

Employability Skills	Pennar Enviro Ltd.	13/07/2019
The role of Entrepreneurs in the economic developm ent of the Nation	ED Cell	14/08/2019
"Innovation in Engineering Science - Chandrayaan 2" by Dr. V. Seshagiri Rao, Distinguis hed Scientist, ISRO Retired, Satish Dhawan space centre (SDSC)	ME Dept.	11/09/2019
SUPRA SAEINDIA	SAE Chapter	15/07/2019
BUILD THE ENTERPRISE OF YOUR DREAM	MSME, DI, Balanagar and ED CELL	04/03/2020
Developing a Sustainable Eco System through Technology and Innovation	CII Telangana	06/03/2020
National Level Awareness Programme by Khadi and Village Industries Commission (KVIC), Telangana on Different Entrepreneurs schemes offered by the govt. of MSME for funding	ED Cell	04/03/2020
International Conference by World Design organization	International School of Business - Gachhibowli	10/10/2019
3rd edition of IIA International Innovation Fair (IIIF)	Indian Innovators Association	01/12/2019
Fireside Chat with Mr.Jayesh Ranjan	Startup Grind	19/10/2019
One day Workshop by Thub	T-Hub	26/09/2019
India International Innovation Fair (IIIF) 2019	Indian Innovators Association	02/12/2019
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3.3.2 – 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
Hackathon	Mrs.D.Kanthi Sudha (as a mentor)	Winners of SMART INDIA HACKATHON -2019 Hardware Edition	12/07/2019	MHRD AICTE
Poster Presentation	G Santhoshi	IETE, Hyderabad	15/09/2019	2nd Prize

		Centre		
Online-TIVA	T.Sushma	Texas Instruments,Online	09/09/2019	3rd place
Python Programming	G Sai Charan	Texas Instruments,Online	13/09/2019	first place
Hardware Hackthon	Dasandla Mamatha	VNRVJIET, Hyderabad	26/09/2019	2nd prize
COURSERA	G.SAI PRANEETH	PROGRAMMIMG FOR EVERY DAY,ONLINE	13/07/2019	MERIT
Market Magic	K.SAKETH SAI NIGAM	VNRVJIET, Hyderabd	26/09/2019	MERIT
Pipe Leakage Detection	Sravani, Aishwarya, Sri Kavya, Sai Bhavya sree, Venkat Sai and Nihash	IIA International Innovation Fair	01/12/2019	Gold medal
Programming, Data Structures and Algorithms using Python	S Yoga Priya, M Prasanna Lakshmi, K Bhavya Manvitha, Ch Amruthavalli, K Anurag Reddy, Ch Sai Krishna	IIT Madras	12/01/2020	1st Position
Robo Soccer	K Anurag Reddy	VNRVJIET, Hyderabad	26/09/2019	2nd Position

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3.3.3 – 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
VJHUB	VJHUB	Vignana Jyothi	Nil	Nil	01/01/2019

No file uploaded.

3.4 – Research Publications and Awards

3.4.1 – Ph. Ds awarded during the year

Name of the Department	Number of PhD's Awarded
CIVIL ENGINEERING	1
ELECTRICAL AND ELECTRONICS ENGINEERING	2
MECHANICAL ENGINEERING	1
ELECTRONICS AND COMMUNICATION ENGINEERING	1
COMPUTER SCIENCE AND ENGINEERING	3
INFORMATION TECHNOLOGY	3
HUMANITIES AND SCIENCES	2

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

Type	Department	Number of Publication	Average Impact Factor (if any)
National	Civil Engineering	1	0.52
National	Electrical Electronics Engineering	1	5.9
International	Civil Engineering	34	7.17
International	Electrical Electronics Engineering	13	0.8
International	Mechanical Engineering	35	1.85
International	Electronics Communication Engineering	65	3.5
International	Computer Science Engineering	70	2.04
International	Electronics Instrumentation Engineering	19	1.82
International	Information Technology	54	0.37
International	Humanities Sciences	16	3.2
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3.4.3 – Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year

Department	Number of Publication
Humanities and Sciences	15
Civil Engineering	68
Electrical Electronics and Engineering	48
Mechanical Engineering	12
Electronics and Communication Engineering	93
Computer Science and Engineering	19
Electronics and Instrumentation Engineering	10
Information Technology	31
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3.4.4 – Patents published/awarded during the year

Patent Details	Patent status	Patent Number	Date of Award
Design for Earthquake Load	Published	201941031691 A	16/08/2019

Modelling Using Critical Excitation Method			
Recovery Process of Metals from Printed Circuit Boards (PCBs) using Acidithiobacillusferrooxidans Bacteria	Published	201941042768	22/10/2019
Brain computer Interface (BCI) based system and method for Characterizing behavior state of a subject	Published	201941050636	13/12/2019
Asystem and method of planting and Breeding-Based internet of things with cloud service and service flow method in Agriculture	Published	201911045633A	15/11/2019
Stabilization Device For Two Wheeler	Published	322586	11/10/2019
ISPSD-System: Internal Smart Pollution Control Dislay System.	Published	201821015630	01/11/2019
Automatic Airlock Prevention System And Method Thereof	Published	201841022148	20/12/2019
An Apparatus And Method For Remotely Monitoring An Aquatic Animal And Classification Thereof	Published	201941034109	27/09/2019
Recovery Process of Metals from Printed Circuit Boards (PCBs) using Acidiphilumacidophilum Bacteria	Published	201941040530 A	18/10/2019
GEO COMPOSITE LINER SYSTEMS	Published	201911028963	26/07/2019
[View File](#)			

3.4.5 – 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	Name of	Title of journal	Year of	Citation Index	Institutional	Number of

Paper	Author		publication		affiliation as mentioned in the publication	citations excluding self citation
UTTAMA: An Intrusion Detection System Based on Feature Clustering and Feature Transformation	Gunupudi Rajesh kumar	FOUNDATIONS OF SCIENCE	2020	1	[Nagaraja, Arun] Jain Univ, Dept Informat Sci Engn, Bangalore, Karnataka, India [Uma, B.] Malnad Coll Engn, Dept Informat Sci Engn, Hassan, Karnataka, India [Gunupudi, Rajesh kumar] VNR Vignana Jyothi Inst Engn Technol, Dept Informat Technol,	68
			[View File](#)			

3.4.6 – 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
AC conductivity and polarization phenomenon of Li2O-MoO3-B2O3:V2O5 glasses	L. Srinivasa	JOURNAL OF ALLOYS AND COMPOUNDS	2019	11	63	[Rao, L. Srinivasa] VNR Vignana Jyothi Inst Engn Technol, Ctr Nanosci Technol, Dept Humanities Sci Phys, Hyderabad 500090, Telangana, India
			[View File](#)			

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

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	75	780	170	178
Presented papers	132	25	Nill	Nill
Resource persons	9	29	9	31

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3.5 – Consultancy

3.5.1 – Revenue generated from Consultancy during the year

Name of the Consultan(s) department	Name of consultancy project	Consulting/Sponsoring Agency	Revenue generated (amount in rupees)
Electrical and Electronics Engineering	Training on Power Electronics, to Eco car Department, Hyundai Motors India Engineering	Hyundai Motors India Engineering Pvt. Ltd. (HMIE)	91000
Civil Engineering	Steel Bars Test	Gland Pharma	4720
Civil Engineering	TPQC	GHMC TPQC	2956308
Civil Engineering	Foam Concrete Mix Design	CSK Technologies	65196
Civil Engineering	NDT Test	Gland Pharma	5900
Civil Engineering	UPV Test	Gland Pharma	17700
Civil Engineering	3 Edge Bearing Test	Gland Pharma	1180
Civil Engineering	SBC Test	HRH Consultancy	21240
Civil Engineering	Comp. Strength Test	HRH Consultancy	531
Civil Engineering	Core Sample Test	GRK Construction	1062

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3.5.2 – Revenue generated from Corporate Training by the institution during the year

Name of the Consultan(s) department	Title of the programme	Agency seeking / training	Revenue generated (amount in rupees)	Number of trainees
Civil Engineering	BIM(Building information Modeling)	CANTER CADD	480000	120
Mechanical Engineering	ANSYS	M/s Invok Engineering Solutions Hyderabad	204125	71
Mechanical Engineering	Java Programming	M/s Shigemi Scientific Solution Hyderabad	207000	69

Electronics and Communication Engineering	Python Programming	TechyBees EduCon Pvt. Ltd.	306000	153
Electronics and Communication Engineering	Machine Learning	Swecha, Hyderabad	162500	65
Computer Science and Engineering	FULL STACK	Master Coding	645000	215
Computer Science and Engineering	Python Programming	Hoder Solutions Pvt.Ltd	450000	225
Electronics and Instrumentation Engineering	Robotics	SURYA PRAKASH GUTTULA(Venky's Vision IT Solutions)	1050000	70
Electronics and Instrumentation Engineering	Python	MUDIGONDA KRISHNA SIVA PRASAD	128000	64
Automobile Engineering	Hypermesh	Design Tech Systems Ltd.	125000	25
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3.6 – Extension Activities

3.6.1 – 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
Participated in UBA village survey	UBA	2	50
Organized various programs Like I am not a Hero , SOCH, to introduce unsung heroes of the society to our college students and the social service those people are doing for the society	NGO	2	75
Organized along with VNRSF Leadership Boot Camp to discuss on the present political situation in which popular politicians from	Youth parliamentary organization	4	25

various parts of India participated			
Blood donation camp Organized in collaboration with NTR Trust and BBR blood bank people and collected 225 units of blood	NTR Trust and BBR blood bank,Hyderabad	2	250
Career guidance for govt.primary school -Manthur students and taught them stories and value of education	Manthur village govt primary school	2	75
Door to door Survey in Ramjya thanda to find the problems in the village	NSS VNR VJIET, Ramjya thanda sarpanch	2	75
Organized medical camp With specialist doctors in Ramjya thanda and distributed free medicines .About 200 villagers are benefited by this program	SLG hospitals, Hyderabad	2	75
Green plants arrangements in the department	NSS VNR VJIET	2	10
Installation of Jute bags stall	NSS VNR VJIET	2	20
Green Initiatives	NSS VNR VJIET	20	20
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3.6.2 – 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
AI/ML Certification Programme	Outstanding Performance	IIIT Hyderabad	204
Solar study lamp hands on workshop	Appreciation certificate to the college	UBA, IIT-Delhi	75
Medical camp at Ramjya Thanda	Appreciation certificate to the college	Lions club International	75
Blood donation camp	Appreciation certificate to the	Lions club International	75

	college			
CSI organized E-outreach Program on " Awareness on Hygiene Management "	Appreciation to the College	Principal MPP School, Machunur (V), Jarasangam (M) near Zaheerabad, SangaReddy (Dist, Telangana State		35
Donation to CM Relief fund Telangana state	Appreciation by IT Minister, Telangana Government	Government of Telangana State		1
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3.6.3 – 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
Swatch Bharat	NGO	Haritha haram, clean and green	2	75
Awareness about higher studies for Rural students	ZPHS School, Bachupally	One Day seminar Interaction	5	10
COVID 19 Awareness Programs	CSI, Municipal Council Mahabubabad	Covid 19 Awareness Programs	1	5
COVID 19 Awareness Programs COVID 19 Awareness Programs	CSI, Gram Panchayath Bhommareddy Gudem	Covid 19 Awareness ProgramsCovid 19 Awareness Programs	1	5
COVID 19 Awareness Programs	CSI, Gram Panchayath AndraNagar	Covid 19 Awareness Programs	1	5
COVID 19 Awareness Programs	CSI, Gram Panchayath Chandhapur	Covid 19 Awareness Programs	1	5
World Green Building Week	CII in association with IGBC	Green Building Congress -2019	2	19
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3.7 – Collaborations

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

Nature of activity	Participant	Source of financial support	Duration
Student Exchange - Technology Entrepreneurship Programme - ISB	Darsani Alapati	ISB and TASK	455

TASK			
Student Exchange - Technology Entrepreneurship Programme - ISB TASK	Sai Sundara Amulya Ganti	ISB and TASK	455
Student Exchange - Technology Entrepreneurship Programme - ISB TASK	G Akash Varma	ISB and TASK	455
Student Exchange - Technology Entrepreneurship Programme - ISB TASK	Vaddeboyina Sri Manvith	ISB and TASK	455
Student Exchange - Technology Entrepreneurship Programme - ISB TASK	Damodar Darshan Kolla	ISB and TASK	455
Student Exchange - Technology Entrepreneurship Programme - ISB TASK	Pasupulety Nikhil Kumar	ISB and TASK	455
Student Exchange - Technology Entrepreneurship Programme - ISB TASK	Sriya Pamidimukkala	ISB and TASK	455
Student Exchange - Technology Entrepreneurship Programme - ISB TASK	Myneedi Jyothi Swaroopa	ISB and TASK	455
Student Exchange - Technology Entrepreneurship Programme - ISB TASK	Atluri Agastya Teja	ISB and TASK	455
Student Exchange - Technology Entrepreneurship Programme - ISB TASK	Madadi Kruthi	ISB and TASK	455
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3.7.2 – 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	Duration From	Duration To	Participant

		/research lab with contact details			
Training Project work	IOT	Idealabs Pvt. Ltd., Hyderabad	01/12/2019	29/02/2020	220
Training Project work	Low Power VLSI Design	VNRVJIET Faculty	28/10/2019	02/11/2019	34
sharing of research facilities	project work	JNTU Kakinada	29/10/2019	29/10/2019	1
sharing of research facilities	project work	LEGEL METROLOGY DEPARTMENT, HYDERABAD	31/07/2019	01/08/2019	1
sharing of research facilities	project work	MARRI LAXMAN REDDY INSTITUTE OF TECHNOLOGY AND MANGEMENT	05/08/2019	05/08/2019	1
Training	Python Programming" for III/IV-B.Tech Students (EEE)	Fronyn Technologies Pvt. Ltd	22/07/2019	07/08/2019	120
Training and internship	"Solar PV, IOT Technologies and Embedded Systems Applications" for III-B.Tech Students (EEE)	Kwatt Solutions Pvt.Ltd, SINE, IIT Bombay	16/12/2019	23/12/2019	120
Research facilities, Project Works	Research facilities, Project Works	ANEWA	12/12/2019	11/12/2020	70
Research facilities, Project Works	Research facilities, Project Works	Grama Bazaar	03/12/2019	02/12/2020	13
Internships and Research Facilities	Internships and Research Facilities	NIT Warangal	04/07/2019	03/07/2020	20

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

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
Grama Bazaar	03/12/2019	Educational Purpose	13
Anewa engineering private ltd	12/12/2019	Industry Training and Internship, Project development, Employment, FDPs, RD, Certification Program and Guest Lectures	149
SEW Infrastructure Ltd.	01/10/2020	Projects, Industrial Training, Guest Lectures, Campus Interviews	6
L T Metro	26/07/2019	Industrial Training, Projects development, RD.	342
INCOIS	21/09/2019	Industrial Training, Projects development, RD.	95
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CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

4.1 – Physical Facilities

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

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development
749.3	855.33

4.1.2 – Details of augmentation in infrastructure facilities during the year

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

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

Name of the ILMS software	Nature of automation (fully or patially)	Version	Year of automation
LIBSYS	Fully	4.0	2006
Knimbus e-library	Fully	NA	2020

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	77748	20274517	799	399500	78547	20674017
Reference Books	14058	749700	952	476000	15010	1225700
e-Books	1270	180000	45	164623	1315	344623
Journals	278	650872	22	297081	300	947953
e-Journals	1355	2903568	27	67000	1382	2970568
Digital Database	3	303108	Nill	Nill	3	303108
CD & Video	2362	210000	Nill	Nill	2362	210000
Library Automation	1	500000	1	142000	2	642000
Weeding (hard & soft)	1553	382583	53	14575	1606	397158
Others(specify)	Nill	Nill	Nill	Nill	Nill	Nill

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4.2.3 – E-content developed by teachers such as: e-PG- Pathshala, CEC (under e-PG- Pathshala CEC (Under Graduate) SWAYAM other MOOCs platform NPTEL/NMEICT/any other Government initiatives & institutional (Learning Management System (LMS) etc

Name of the Teacher	Name of the Module	Platform on which module is developed	Date of launching e-content
Dr.N.Raja Sekhar	Data Science	You-Tube	01/08/2019
Tejaswi Potluri	Network Security	Moodle	01/09/2019
Mr. S. Nagarjuna Chary	Process Control Automation	Eduprime – VNRVJIET LMS	01/05/2020
S Nagarjuna Chary	Process Control Automation	YouTube	10/11/2019
S Nagarjuna Chary	Process Control Automation	Google Site	06/06/2020
Mr. N. Akshay	Virtual Instrumentation using LabVIEW	Eduprime – VNRVJIET LMS	01/05/2020

Mr. B Goutam	Virtual Instrumentation using LabVIEW	Eduprime – VNRVJIET LMS	01/05/2020
Dr.Y.Venu	Philosophy and Electrical Sciences	Youtube	18/03/2020
Mr.B.Anjan	AB's EEE Hub	Youtube	29/03/2020
All faculty	subject allocate for Semester-II in the A.Y. 2019-20	Microsoft Teams, Google Classroom	29/03/2020

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4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MBPS/ GBPS)	Others
Existing	2037	53	500	4	3	16	9	62	0
Added	344	2	500	0	0	0	0	63	0
Total	2381	55	1000	4	3	16	9	125	0

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

128 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
TEQIP studio, PG Seminar Hall, Board Room, Auditorium, Career Vision Promotion Center, Two Advance English Language communications skills Laboratories, Multimedia Laboratory, Oral communications Skills Laboratory, B Block Seminar Hall, PG BoardRoom	http://www.vnrvjiet.ac.in/naac/mediacentre.php

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 incurredon maintenance of physical facilites
542.46	456.22	1974.12	1257.69

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)

Predefined procedures are available and executed within the Institute for the utilization and maintenance of physical equipment like Laboratories, Computers, ICT tools provided in the class rooms the facilities like Sports, library, Creche and other medical services. To name few Standard Operating Procedures (SOPs): 1. SOP for General Maintenance: Maintained by Engineering Cell,

Security Wing 2. SOP for Stock Verification : 3. SOP for maintenance of Computers and Networking 4. SOP for EPABX and Telephones 5. SOP for Electrical equipment maintenance 6. SOP for Mechanical maintenance 7. SOP for Civil maintenance 8. SOP for Procurement of Diesel for power house 9. SOP for Procurement of consumables for Academic and Research labs. The Laboratories are well maintained on regular basis as per the scheduled due dates which generally fall in nonperforming days. Most of the technical issues related to data processing units like computers in the departments get addressed by the concerned computer operators who are well qualified and trained to the specific task. Library keeps on updating its books repository on yearly basis in accordance with the changes in the curricula. Inputs from the student and faculty are received in the prescribed format for the procurement of books which cover the topics beyond syllabus on the approval of library committee. The library committee meetings are held at the frequency of 3 months to discuss on the upgradation of the library in terms of procuring the technical and nontechnical books. The gym and other sports equipment are serviced on the need base in the supervision of physical director. The play grounds are well maintained by exclusive groundsmen and kept ready for use. Stipulated procedures are documented and executed for the maintenance of the computer systems. The data processing units like computer are frequently upgraded to the next versions to have compatibility with advance research and academic projects. As all the classrooms in the institute are ICT enabled, exclusive personnel is dedicated for the continuous monitoring and maintenance to keep the equipment in good condition. Backup ICT units are kept ready to handle scheduled outages and any unforeseen damages so that the classroom functioning does not get affected.

http://vnrvjiet.ac.in/procedures.php

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	Fee Wavier	39	8178070
Financial Support from Other Sources			
a) National	Scholarship from Govt. and Others	2854	214405600
b)International	00	Nill	0
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5.1.2 – Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,

Name of the capability enhancement scheme	Date of implemetation	Number of students enrolled	Agencies involved
Expert Talk on Industry Skills / Requirements by Lido Learning.	18/12/2019	140	LIDO Manager operations, Lido Learning.
Expert Talk on Industry Skills / Requirements by jaro Education	05/11/2019	165	Mr.Subramanyan-HR Manager, jaro Education

4 Day Aptitude Training.	08/01/2020	350	Mr. Sridhar-Triumphant Training Solutions
WheeBox National Employability Test	30/10/2019	250	M/s.WheeBox
Pre-Placement Talk by Accenture	28/09/2019	900	Mr.Anjum Mohamed, Accenture
Bridge courses	12/08/2019	95	VNRVJIET
Yoga and Meditation	01/07/2019	150	K. Lenin Chowdary (Certified Yoga Trainer), VNRVJIET
Expert Talk on Industry Skills / Requirements by TA Digital.	15/07/2019	151	Mr Mayur Mathur-Lead-Talent Acquisition., TA Digital
Webinar on Preparation Tips for TCS Digital Role.	04/07/2019	175	F.A.C.E Academy
Business English Certificate	01/07/2019	21	Cambridge English-Cambridge University

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

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passedin the comp. exam	Number of studentsp placed
2020	Motivating the students towards the Carrier in VLSI Industry Mr.Yadagiri, Project Engineer, AMD	Nill	25	Nill	12
2019	Career counseling by Manjunath Chandrashekar-Project Manager Academic Alliances, BluePrism	Nill	55	Nill	1
2020	Entreprene urship and o	Nill	55	Nill	Nill

	pportunities for Entrepre neurs - Prof. Gregory Collier and Mr.KishNange gadda from Northeastern University (USA)				
2019	Career Counselling/ Career Guidance	60	110	8	103
2020	High intensity Training programme	131	109	87	85
2019	ONLINE Topic-wise GATE Coaching	50	Nill	10	Nill
2020	AICTE Prerana Scheme for SC and ST Students	222	Nill	3	Nill
2019	Guidance for competitive examinations and career counselling	240	240	46	129

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

Total grievances received	Number of grievances redressed	Avg. number of days for grievance redressal
5	5	6

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Nameof organizations visited	Number of students participated	Number of stduents placed	Nameof organizations visited	Number of students participated	Number of stduents placed
131	861	654	21	22	22

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5.2.2 – Student progression to higher education in percentage during the year

Year	Number of	Programme	Depratment	Name of	Name of

	students enrolling into higher education	graduated from	graduated from	institution joined	programme admitted to
2020	1	B.Tech	Civil Engineering	VNR VIGNANA JYOTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY, HYDERABAD	M.Tech
2020	1	B.Tech	Civil Engineering	IIITH	M.Tech (Structures)
2020	1	B.Tech	Civil Engineering	GOKARAJU INSTITUTE OF ENGINEERING , HYDERABAD	M. Tech
2020	1	B.Tech	Civil Engineering	Central queens land University (Australia)	MS in Construction Management
2020	1	B.Tech	Civil Engineering	IISc, Bangalore	M.Tech
2020	1	B.Tech	Electrical & Electronics Engineering	Cleveland State University	MS in Information Systems
2020	1	B.Tech	Mechanical Engineering	University of Texas , Great laxier – AI & ML – 2020	MS
2020	1	B.Tech	Mechanical Engineering	Badruka college PG centre	MBA
2020	1	B.Tech	Mechanical Engineering	Technische Universität Dresden	MS
2020	1	B.Tech	Mechanical Engineering	michigan catering university	MS
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5.2.3 – Students qualifying in state/ national/ international level examinations during the year (eg:NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services/State Government Services)

Items	Number of students selected/ qualifying
GATE	38
CAT	3
GRE	42
TOFEL	25
Any Other	17

Activity	Level	Number of Participants
House Workshop conducted by Sambo Mukherjee	National	55
workshop conducted by dance professional RAGHAVAN	National	40
Republic Day Celebration	National	350
Flash Mob on Convergence	National	120
Convergence Events by Clubs	National	870
Societal Impact Projects	National	280
Technical Paper presentations	National	366
Freshmen Orientation	National	1500
Sintillashaunz	National	1300
Independence Day Events by Clubs	National	450

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
2020	Men Singles Winners	National	1	Nill	17071A0244	P.Sri Pranay
2020	Men Doubles Winners	National	2	Nill	16071A0416, 17071A0156	C.Sai Eka Vardhan, G.Ujwal
2020	2nd prize in the solo dance competition at IIT-H - Nrithyanjali	National	Nill	1	17071A1041	Priyanka Emani
2019	Arrhythmia - 1st place at	National	Nill	15	16071A1072	Ch. Viswaja

	Osmania Medical College						
2019	Winners at Group dance competition held at SNIST, Hyderabad	National	Nill	20	17071A05A5	P.Sai Nihal
2020	Women Doubles Winners	National	2	Nill	18071A1044,19071A0299	P.Juhi Mohan, P.Dhatrija
2020	Men Winners-Volleyball	National	15	Nill	16071A0421	G.Subhas
2019	Women Winners - Basketball	National	11	Nill	16071A0137	M.Bindu Pranavi
2020	MEN4X100M RELAYRUN 3rd Place	National	4	Nill	16071A1092	M.BHARATH KUMAR
2020	Women Winners- Throwball	National	13	Nill	16071A10B7	V.Pavani

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

VNRVJIET has the rich culture of encouraging the students' participation and representation in decision making through different academic and administrative committees and hence causes for better academic environment in the institute. While making the policy decisions, the students' perception is well taken into the consideration and the institute puts the continuous and constant efforts for the all-round development of students. The students are encouraged to become a part of various chapters of professional societies like IEEE, IETE, ISTE, CSI, ICI, IEI, SAE, VSI, ASME and ISOI. Also student are involved as members in several Institute and Department level committees with active participation. Few committees/ cells having the students involvement are mentioned below: Internal Quality Assurance Cell (IQAC): As the Students are end beneficiaries from the institute, they are involved in IQAC to manifest and promote the quality initiatives to be implemented in the institute. Women Welfare committee: The girl students mostly from the final year are made part of the committee to address issues related to women welfare. Library Committee: The Students representation is well taken into the consideration while constituting the library committee and hence the student are involved in formulating the procedures of issuing and renewal of books. The students are consulted in procurement of new titles and other additional learning resources. Sports Committee: Student representatives give valid suggestions towards the sports activities within the institute and also address the adequacy of the infrastructure and other facilities. Canteen Committee: The quality and hygiene of the canteen is monitored by student representatives along with the other nominated faculty members. They visit frequently and collect feedback from peers and also continuously monitor the quality and quantity of the food

served. Hostel Committee: The students play a major role in checking the food in the aspects of quality, hygiene, cleanliness etc. Also they voluntarily monitor day to day activities and bring to the notice of the warden immediately if any discrepancies. Fest Organizing Committee: The prestigious technical fest CONVERGENCE and cultural fest SINTILLANSHUNZ, National level SPORTS FEST and Open House are solely organized by students only with the back support of faculty. These student based activities are useful for promoting entrepreneur and event management skills in them. Student members of all professional societies and student clubs actively participate in the events and make them success. Editorial Boards : The students are involved in editorial boards of Vignana Vahini, an annual magazine and Vignana Vartha a quarterly news magazine and make the students a part of the scrutiny process of various Academic and extracurricular articles. ECA/CCA Committee: the Students from different clubs like Literary club, Crescendo(Music) club, Creative arts club, Livewire club, Dramatics club, Classical dance club, Photography VJTheatro represent the institute ECA/CCA committee. Class Review Committee (CRC): students (mostly 5 to 6 from each class) represent their class in CRCs meetings along with HoD and faculty handling the class and discuss the issues related to the class. In addition to the above, students are encouraged to participate in NSS activities.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

VNR VJIET Alumni Association is a registered body bearing Regd. No: 2154 consisting of a Coordination Committee, Executive Committee and student Coordination Committee to engage, execute and enhance various activities of the Association. 12,652 alumni are connected to the alma mater, faculty and students through an exclusive portal www.vnralums.com. VNR VJIET Alumni Association provides a focal point of contact among alumni to interact and network with each other as well as with the alma mater. The alumni association of the institute is the conglomeration of leaders, entrepreneurs, social entrepreneurs, professionals and bureaucrats catering to the society in various designations. Alumni Home Coming Day, YUGMA is conducted on the third Saturday of December every year. The institute encourages the Alumni entrepreneurs to incubate their ideas at VJ Hub by providing the necessary infrastructure and seed money of 5 Lakhs.

5.4.2 – No. of registered Alumni:

12652

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

214500

5.4.4 – Meetings/activities organized by Alumni Association :

Alumni Office activities : a) CSE Alumni Vishwanath Tata from hexagon Systems and Ms.Navya and Mr.Krishna Chaitanya came to evaluate Hackathon projects in ML, WT domains in September for Convergence-2019. b) Mr.Harsha Vardhan from CSE-2018 interacted with 2019 batch on 1st week of November. c) Power point presentation is given to General Secretary, Principal, Director and Dy.Dean (Admin) on plans and requirements for Alumni affairs office on 19-09-2019. d) IT department Alumni Mr.Pramod (2007-2011) interacted with 1st year IT-B section students on 15-02-2020 and delivered session on Application learning for industry perspective. e) IT department Alumni Mr.K.Subramanyam(2004-2008) interacted with 2nd year IT-B section students on 15-02-2020 and delivered session on Developing skills for industry perspective. f) EEE Alumni

Mr.Saikiran from 1996 to 2000 batch visited campus after 20 years being in USA. g) Successfully conducted Global Alumni meet-2019 on 21-12-2019 with 380 alumni footfall. h) Distinguished Alumni Awards were introduced this year and 10 eminent alumni from different fields were recognised and awarded with DAA in various categories. i) Extensive publicity was done for the event on social media and personal calls were made by student volunteers to the alumni, inviting them for the meet. j) Alumni Website updated and new features added. k) LOR process is streamlined and application available on www.vnralums.com. l) LinkedIn College page was claimed from LinkedIn with 7000 followers and waiting for approval to start posting.-Started posting on page and now we have 8163 followers on LinkedIn collage page. m) Alumni Mr.Rupesh Mittal gave a webinar on Cyber security, the event was conducted in association with VAAVE team n) 25 alumni mentored students online/mail by analysing and providing feedback on Video Resumes of Final Year students with suggestions. 340 Pre-final year students got benefitted with this initiative. Alumni Office Meetings a) Event Schedule is being prepared for Global Alumni meet-2019 which is scheduled on 21-12-2019 -Succesfully completed the event b) Distinguished Alumni Awards are introduced this year and eminent alumni from different fields will be recognised and rewarded and mails sent to all registered Alumni for nominations.-10 DAA awards were given to eminent alumni from different backgrounds. c) Conducted 2nd round of meeting with vaave team for changes and up gradation of Alumni website on 21-09-2019 and working on website updation.Website is updated with all features and even payment gateway is ready to operate d) 4 Alumni from 1999-2003 batch contributed Rs: 17500/- towards bus pass fee for a economically backward student, Mr.Rahul from 2nd year AE. e) Monthly meeting with Alumni association executive council was held on 31-08-2019, 19/10/2019 and 9/11/2019 and discussed on Alumni meet programs and improve the alumni footfall-we got 380 Alumni participated in the event.

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)

Decentralization and Participative management: The institution stands for the transparency and decentralization at different layers of management, administration, financial and academic affairs. This transparent and decentralised mechanism is delegating appropriate responsibilities from the top level management to low level and allows the top management to focus on policy making and major decisions. The constitution of statutory bodies like Governing council, Academic Council, Finance Committee, Board of Studies are systematically carried out with specified functions and responsibilities as per the requirements to the regulatory/statutory bodies. These committees play a major role in policy making of governance, academics, finance, research and teaching learning. All Stakeholders of the institution have participative roles in various decision-making committees. To name two such practices of decentralisation and participative management, 1. Special Training of students at Department level and 2. Organization of Panel Discussions for promoting the departments or creating the awareness about the departments. 1. Special Training of students at department level: Earlier practice of providing training to the students in academic domains and improving their skillset for excelling in the placements drives by the centralised training and placement cell is decentralised partially. Most of the training programs are strategized and organised within the departments. These training programs are arranged on the topics which are over and above the regular curriculum. These special trainings make the students of VNRVJIET exclusive from other institutes and help them to be in forefront in the competition. 2. Organization of Panel Discussions for promoting the departments or creating awareness about the

department through panel discussions: The individual department are very proactive to promote their departments at the commencement of every academic year among the students who aspire for engineering study. The departments conduct panel discussions through subject or domain experts, industrialist, entrepreneurs, practising engineers, alumni and the other intellects in the field. The career opportunities like placements, higher studies, scope for placing in PSU, IT sector etc are extensively discussed in these panel discussions. The dates of these discussions are well before publicised among the aspiring candidates and their parents. The candidates can clarify their doubts through these panel discussions. These two practices witness the participative management and decentralization of the institution. A independent and self-governed approach is embedded in the process of decision-making by which all the stakeholders of the institution are involved in the managerial decisions.

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

Yes

6.2 – Strategy Development and Deployment

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

Strategy Type	Details
Admission of Students	VNR VJIET attracts potential applicants through several quality initiatives in its admissions process. Basic education and research infrastructure to enable cutting edge research, modern classrooms and laboratories that nurtures innovation and entrepreneurship, linkages with industry and society, good placement that meet the aspirations of the students and expectations of employers and sound Practical knowledge have been the guiding factors in attracting students. The JEE is considered for admissions under Category B. The institute has started the culture of conducting Panel Discussions by the domain experts to create the awareness about the departments among the admission aspiring students and their parents.
Industry Interaction / Collaboration	The institute has • Started a new program 'Computer Science and Bussiness Systems (CSBS)' in collaboration with M/s Tata Consultancy Services Ltd from Academic Year 2019-20 • Encouraged consultancy projects with and without financial benefits. • Entered into a Memorandum of Understanding (MoU) with reputed industries • Promoted industry sponsored internships and projects • Guest Lectures by Eminent personalities from Industry
Human Resource Management	The institute has excellent strategies/ norms for Human resource

	Management. It ensures that • Payroll is as per norms • Time and Attendance are monitored on a daily basis • Performance record is maintained • Performance appraisal is conducted • Faculty and Staff recruitment are always based on merit. • Seminars / trainings are conducted to train the newly recruited faculty • Micro-teaching workshops are conducted for the new faculty • Several internal workshops are held to train the faculty and staff to enable them to update their knowledge. • IQAC creates awareness among faculty regarding quality initiation. The faculty are encouraged to do PG diploma courses in mezzanine technologies
Library, ICT and Physical Infrastructure / Instrumentation	The Quality Initiatives adopted by the Central Library are • The institute has introduced a online library management system 'Knimbus' which enables the issue of books, question papers, journals etc online. The students/faculty can access the learning resources remotely. • Displaying the important news clippings on the notice board – The useful news articles from 8 premier newspapers are scanned at early institute working hours on daily basis and placed on notice boards along with circulation among staff members. This initiative is helpful for the students and staff as a ready reference for the important news on engineering education, current technologies, call of research proposals from funding agencies, career/job advertisements from the statutory bodies. • Career/Employment Information/ Services • A WalkThrough Trip • Suggestion box and timely response
Research and Development	In order to promote Research and Development, the following were initiated. • Anti-Plagiagrism check has been introduced to improve the quality of faculty/student Technical papers/project thesis • Sensitization program is conducted to promote research and extension. • 10 Centres of Research in various departments focusing and working towards research and extension. • Special Interest Groups in specific Domains to carry out a focused approach towards the developments in the respective areas. •

	Established Presencing and Design Thinking Centre
Examination and Evaluation	The Reforms carried out in the Examination Procedures and Processes are: • Students are given options/choices of examination centres local to their native places keeping the COVID pandemic in view. • Mini project is continuously reviewed at 3 stages. • Introduced online mode of tests for assignments. • Student evaluation system is changed from Percentages to Grading system. • ICR/OMR technologies are used in the conduct, evaluation and processing of results for avoiding manual coding of answer scripts. • An industry oriented mini project, seminar, comprehensive viva voce and project work is given a weightage of 50, 50, 50 and 200 marks respectively.
Teaching and Learning	In line with Outcome Based Education (OBE) insisted by AICTE, the institute has strategized the concept of 'Why am I teaching and What I am Teaching (WIT) and Why am I Learning and What I am Learning (WIL)' which is an outcome driven teaching learning methodology'. The second initiative adopted is VNR Lab Protocol which brings real time applications into the experiments. A Story Board is displayed in each academic lab to indicate the need of carrying out the experiments. The POGIL activity is implemented in most of the subjects to involve the students effectively in learning process.
Curriculum Development	An effective and well-structured mechanism exists in the institute to incorporate the necessary amendments in the curriculum to suit the dynamically changing industrial and societal needs. In tune with this, a new program Computer Science and Business Systems has been Introduced at UG level with the collaboration with TCS Ltd. The Department Boards of Studies and the Institute Academic Counsel are enriched with a flavour of industrialists to deploy the latest technologies in the curriculum to meet the requirements of industry 4.0. An open elective course is placed in the course structure to promote the cross domain academic research.

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

E-governace area	Details
Administration	The following updations are done in the Campus Automation Management System (CAMS) : a. Employee details updated b. CL, EL other leaves calculations terms updated c. Face recognition biometric devices are established and synchronized to the automation software d. Employee login details are displayed in the employee dash board e. Employee shifts are developed f. Salaries – pay slips are updated and given to the employee login g. Form – 16 auto generation are provided to the employee h. Students Employee reset / New password option provided, new password / reset password will goes the mobile number i. Bulk password reset is developed
Finance and Accounts	The following updations are done in the Campus Automation Management System (CAMS) : a. Atomization of Investment declaration is developed
Student Admission and Support	The following updations are done in the Campus Automation Management System (CAMS) : a. New courses adding b. Admissions reporting modules are updated c. B.CAT Admissions modules are updated
Examination	The following updations/automation are done in the Campus Automation Management System (CAMS) : a. Student registration b. Online examination fee payment c. Exam notification d. Internal Marks e. External Lab marks f. M.Tech Project registration
Planning and Development	The following updations are done in the Campus Automation Management System (CAMS) : a. Staff attendance reports b. Student attendance reports c. Feed back reports and generation. d. Status reports and student reports e. Open elective options given online for students – class wise ,section wise and subject wise

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
2020	P.Venkateswara	NA	Post Graduate Diploma for	226964

			Artificial Intelligence and Machine Learning conducted by Emeritus, Institute of Management in collaboration with Columbia University, New York	
2019	K. Aruna Prabha	IMECE2019, USA	NA	110715
2019	Dr. A.Ramesh	UGC Travel grant - 13th International conference on Eastern Asia Society for Transportation Studies, at Battaramulla, Colombo, Sri Lanka.	NA	47000
2019	S. Shyam Sunder Rao	Estimation and Feasibility of Generating Power using Tidal Energy - ASME-JSME-KSME point fluids Engineering Conference 2019	NA	223625
2019	Anudeep Peddi	NA	"Advanced Certification Program in Artificial Intelligence and Machine Learning" by IIIT-Hyderabad and TalentSprint from 5tth Oct 2019 to 5th Jan, 2020	177000
2019	Dr.N.Sandhya,	NA	Advanced Certificate Course in Artificial Intelligence and Machine Learning, conducted by IIIT, Hyderabad	177000

Year					
			in association with Talent Sprint from September 2019 to Jan 2020	
2019	Dr.A.Kousar Nikhath	NA	Advanced Certificate Course in Artificial Intelligence and Machine Learning, conducted by IIIT, Hyderabad in association with Talent Sprint from September 2019 to Jan 2020	177000
2020	M.Susmitha	NA	Post Graduate Diploma for Artificial Intelligence and Machine Learning conducted by Emeritus, Institute of Management in collaboration with Columbia University, New York	226964
2020	Dr.D.Srinivas Rao	NA	Artificial Intelligence Machine Learning, IIIT, Hyderabad	180000
2020	Dr. G.Madhu	NA	Artificial Intelligence Machine Learning, IIIT, Hyderabad	180000
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6.3.2 – Number of professional development / administrative training programmes organized by the Colleges 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)
2020	Webinar on Online	NA	13/07/2020	14/07/2020	130	Nill

2019	Teaching					
2019	Faculty Training Program on ANSYS MAXWELL Software	NA	11/07/2019	12/07/2019	31	Nill
2019	Faculty Development Program on Development, Characterization and Analysis of Composites (DCAC-2019)	NA	19/11/2019	23/11/2019	66	Nill
2019	One day workshop on "Python"	One day workshop on "Python"	22/06/2019	22/06/2019	62	4
2019	FACULTY DEVELOPMENT PROGRAMME (FDP) on "Deep Learning Applications"	FACULTY DEVELOPMENT PROGRAMME (FDP) on "Deep Learning Applications"	09/12/2019	13/12/2019	45	4
2019	Workshop on Project Based Learning with MATLAB, Simulink, and Low-cost Hardware	Workshop on Project Based Learning with MATLAB, Simulink, and Low-cost Hardware	16/12/2019	17/12/2019	30	5
2020	LECTURE ON CLASSIFICATION IN MACHINE LEARNING	NA	29/06/2020	29/06/2020	50	Nill
2020	Webinar on Calculus for Machine Learning	NA	24/06/2020	24/06/2020	43	Nill
2020	One week online FDP	One week online FDP	11/05/2020	16/05/2020	25	6

	on "LINUX foundation and implem entation of data st ructures"	on "LINUX foundation and implem entation of data st ructures"					
2019	Guest Lecture on New age forming te chnologies for water management	NA	25/10/2019	25/10/2019		200	Nill

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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
One Week FDP Programme on Linux Foundation and Implementation in Data Structures, organised by CSE,in collaboration with CSI,	10	11/05/2020	16/05/2020	5
5-day FDP on 3D printing for industrial and biomedical applications organized by EIE, dept, VNRVJIET, Hyd.	33	09/12/2019	13/12/2019	5
A 15 day Course on Career Edge - Knockdown the Lockdown online course offered by TCS iON	24	27/04/2020	01/05/2020	5
2 Day workshop on The BodhiTree and SAFE Tools for Effective Online Teaching A Hands On Workshop	2	20/06/2020	21/06/2020	2

conducted by NMEICT, IIT Bombay				
FDP on Advanced Data Structures, CSI,VNRVJIET	10	01/06/2020	06/06/2020	6
VLSI Chip Design Hands on using open source EDA	21	08/07/2019	12/07/2019	5
FDP on Wireless and Mobile Communication	29	01/07/2019	07/07/2019	7
FDP on Robotics and AI	19	24/06/2019	28/06/2019	5
Effective Utilization of Digital Platform for teaching and learning process	32	15/05/2020	17/05/2020	3
DST Sponsored Two Week FDP on "AI, Machine Learning and Deep Learning Applications to Smart Grid"	34	25/11/2019	06/12/2019	12
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6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
358	358	173	254

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
Group Medical Health Insurance, Subsidised Transportation and Free Transportation during beyond working hours, Group Personal Accidental Policy, Creche (employee children), Gymnasium, Yoga with Meditation hall, Purified Mineral water across the campus, Health Centre	Group Medical Health Insurance, Subsidised Transportation and Free Transportation during beyond working hours, Group Personal Accidental Policy, Creche (employee children), Gymnasium, Yoga with Meditation hall, Purified Mineral water across the campus, Health Centre	Group Personal accidental Policy for all the students, Subsidised Transportation and Free Transportation during beyond working hours, Gymnasium, Yoga with Meditation hall, Purified Mineral water across the campus, Health Centre, Canteen Service with subsidised Rates, Aid for the Students

	Participating in overseas conference, Arrangement of bicycles to move in the Campus

6.4 – Financial Management and Resource Mobilization

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

Financial planning ensures consistency of goals, aligning the growth objectives of the institute with its financial requirements. It also supports the strategic growth of the organization. To Begin with the End in Mind, the institute plans and accumulates the right amount of funds by gathering the inputs and requirements from its associated departments. Financial Planning is exercised well in advance for the organization and efficient Budgeting Controlled mechanism is done by involving the various Academic Departments and Administrative Sections of the Institute. Financial planning and review is done in periodic intervals through statutory - Finance Committee headed by Principal, Dean- Administration, Management representative, Faculty and Account Personnel as members. Finance Committee meets 4 times a year and reviews the income- expenditure statements and suggest further action plan. Management through Governing Council looks in to income and expenditure pattern and pragmatic recommendations are given. Well-structured financial section is in place and every financial transaction is recorded through software. Financial Rules are in place in the Institute and "No- Cash" Transaction System is followed. Fee Payment is encouraged through online mode. Flexible financial system allows spending more than the budget allocated as per the approved budget on the benefit of demands and requirement. Optimal utilization and execution of the budget is monitored through internal and external auditing. Internal audit is conducted on quarterly basis and the statutory external audit is conducted annually by charted accountants. All government Scholarships and Funds received from government as Grants are audited separately by the Auditor appointed by government. Audited financial statements are made public by placing it on institute website and are sent to the statutory and regulatory bodies. An effective financial management system is in place and is helping the institution in overall growth.

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

205180920

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	QS I-Gauge	Yes	IQAC, VNRVJIET
Administrative	Yes	QS I-Gauge	Yes	IQAC, VNRVJIET

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

Parents are regularly invited to Parent Teacher meetings to discuss the need / problem / progress of their wards. Relationship Management Centre with an exclusive psychology counsellor is created chiefly to strengthen the parent teacher relationship. Student mentor details are provided to the parents to pursue their ward's performance

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

Training / workshops/seminars are conducted. Academic / study leaves are granted to encourage higher education. Financial support is provided to the staff for acquiring higher qualification

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

1. A new program known as 'Computer Science and Business Systems (CSBS)' has been introduced at UG level. The curriculum for this course has been strategized in consultation with the industrial experts of M/s TCS to suit the present/future industrial needs 2. The use of E-Learning/Teaching Tools has been embedded in the regular Teaching-Learning process 3. Minimum one Publication is made mandatory for PG students for the submission of major project thesis 4. Trainings have been conducted for the Teachers on effective online Teaching-Learning

6.5.5 – Internal Quality Assurance System Details

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

6.5.6 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
2019	Awareness session on "Art of Living"	09/07/2019	09/07/2019	09/07/2019	200
2019	Lecture on Mezzanine technologies career in IT Sector by Mr. A.K. Nayak, Vice President-CSI	13/07/2019	13/07/2019	13/07/2019	150
2019	A session on meditation class	14/08/2019	14/08/2019	14/08/2019	150
2019	2-day workshop on Technical Writing	28/09/2019	28/09/2019	30/09/2019	40

2019	0-9 philosophy to retain success and happiness by Dr. D.N. Rao, President, VJ.	29/07/2019	29/07/2019	29/07/2019	300
2020	A talk on need of the hour – wake up and find solution	12/04/2020	12/04/2020	12/04/2020	200
2020	Workshop on effective utilization of digital platforms for online teaching learning process.	01/05/2020	01/05/2020	07/05/2020	350
2020	Ecficio 3.0 Annual Entrepreneurship Fest of VNRVJIET	26/02/2020	26/02/2020	27/02/2020	1000
2020	Stress Management through Heartfulness Meditation	07/01/2020	07/01/2020	09/01/2020	20
2020	Workshop on Proposal Writing	06/02/2020	06/02/2020	08/02/2020	22
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CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 – Institutional Values and Social Responsibilities

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

Title of the programme	Period from	Period To	Number of Participants	
			Female	Male
Screening Short Films and students presenting reviews on Girl, Babbai, Men- The Forgotten	01/07/2019	31/07/2019	381	206

gender etc.				
Role Play: Enacted in the class rooms	01/08/2019	31/08/2019	381	206
Harmful traditional practices and other gender issues: Screening of short films followed by group discussion	01/08/2019	31/08/2019	381	206
Economic empowerment of women, Gendered arrangements of work and care, Freedom of movement. Group Discussion conducted by the English Teaching Faculty	01/09/2019	30/09/2019	381	206
Poster Presentation on Gender issues by students	01/09/2019	30/09/2019	381	206
Screening Short films to create awareness about Gender Equity followed by an interactive session and Group Discussions.	01/10/2019	31/10/2019	381	206
Is gender a social and cultural construct? Oral Presentation by the English Teaching Faculty	01/10/2019	31/10/2019	381	206
Poster Presentation on Gender issues by students: Breaking the Glass Ceiling etc.	01/11/2019	30/11/2019	381	206

Street Play: Investigation and prosecution of crimes against women and girls, 2019: Still Trying To Survive As A Woman, SABARIMALA AND MOBILIZATION- A PROBLEMATIC COALITION, Ditching Item Numbers—An Overriding Urgency in Bollywood	01/11/2019	30/11/2019	381	206
Project work: study gender issues and make presentations	01/12/2019	31/12/2019	381	206
Screening Short Films and students presenting reviews on Girl, Babbai etc.	01/12/2019	31/12/2019	470	285
Role Play: Enacted in the class rooms	01/01/2020	31/01/2020	470	285
Harmful traditional practices and other gender issues: Screening of short films followed by group discussion	01/01/2020	31/01/2020	470	285
Economic empowerment of women, Gendered arrangements of work and care, Freedom of movement. Group Discussion conducted by the English Teaching Faculty	01/02/2020	29/02/2020	470	285

Poster Presentation on Gender issues by students, Breaking the Glass Ceiling etc.	01/02/2020	29/02/2020	470	285
Street Play: Investigation and prosecution of crimes against women and girls, 2019: Still Trying To Survive As A Woman, SABARIMALA AND MOBILIZATION- A PROBLEMATIC COALITION, Ditching Item Numbers—An Overriding Urgency in Bollywood	01/03/2020	31/03/2020	470	285
Is gender a social and cultural construct? Oral Presentation by the English Teaching Faculty	01/03/2020	31/03/2020	470	285
Screening Short films to create awareness about Gender Equity followed by an interactive session and Group Discussions.	01/04/2020	04/04/2020	470	285
Project work: study gender issues and make presentations	01/04/2020	11/04/2020	470	285

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
375KWp grid tied solar plant is in use in campus and it includes 100KWp plant placed in hostels. 33 of annual lighting power is met by LED bulbs. The percentage share of contribution for college power requirement by renewable energy sources (Solar Plant) is around 54. Twin Bin system is being used. Used

papers, notebooks are collected, recycled and donated to Government Schools. STP of 150KL/day capacity is in use. E-waste bins are provided and are disposed for recycling. Rain water harvesting pits are provided for recharging the ground water. Institute provides Bicycles, Public Transport, Pedestrian Friendly Roads. Plastic free campus and most of Intradepartmental communication is through Electronic medium. The Institute has a canopy of trees and plants with 30 of green belt. 0.61 of total expenditure is spent on green initiatives. Automatic water flush system is provided in wash rooms to optimally use the water and reduce the water wastage. Bicycles have been provided in the Institute for internal mobility for students and faculty.

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	20
Provision for lift	Yes	20
Ramp/Rails	Yes	20
Rest Rooms	Yes	20
Scribes for examination	Yes	20

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
2020	1	1	14/04/2020	9	Trained Faculty from Schools, Arts colleges, Management colleges on Effective delivery of classes through Online teaching, Evaluation methods for assessing students, Tools and technologies for creating video	On line Teaching and Learning during Pandemic	30

					lectures		
2019	1	1	03/07/2019	9	Career guidance to school children	Need for basic education and opportunities after school education	77
2019	1	1	01/07/2019	5	Medical camp	Identified the major health problems and consultation is arranged by expert doctors	77
2020	1	1	25/07/2020	120	Released Post-Lockdown Restart Manual - Frame work for Prevention and Mitigation of Covid-19. Released by IT-Minister of Telangana State Government and is forwarded to Technical institutes all over the country for Knowledge transfer	Prevention of COVID-19	100
2020	1	1	05/07/2020	2	Awareness on Arogya sethu app to	Handling the pandemic	20

2020	1	1	07/05/2020	1	Mental fitness to faculty, students and other stakeholders	Stress management	150
2020	1	1	15/07/2020	4	Awareness on PM sap thapadi and Ayush	Immunity and Physical Health	500

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7.1.5 – Human Values and Professional Ethics

Title	Date of publication	Follow up(max 100 words)
VNRVJIET R19 CSBS Regulations B.Tech	19/08/2019	Disciplinary action for improper conduct in examinations is provided.

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Importance Of Menstrual Hygiene Management (MHM) to the govt.school girls -Bachupally	15/08/2019	16/08/2019	30
Door to door survey in ramjya thanda	27/06/2019	29/06/2019	65
Carrier guidance to school children in Ramjya thanda school	27/06/2019	29/06/2019	65
Organized Medical camp in Ramjya thanda of Narsapur mandal and distributed free medicines	03/07/2019	03/07/2019	65
Visited Dr. Ramanaidu old age home and entertained the old people and shared their life experiences	04/07/2019	04/07/2019	65
SOCH - Idea competition for both internal external college	20/08/2019	20/08/2019	50

students is conducted on virtual platform for VNRVJIET students			
I am not a Hero - The unsung heroes of the society are invited to ignite the young minds of NSS volunteers for inspiration on a virtual platfrom	02/10/2019	02/10/2019	50
Appreciation drive - Persons in public government service like traffic police, GHMC workers, RTC drivers are appreciated for their sincere service to the public	26/01/2020	26/01/2020	15
FIST FULL OF RICE - an initiative taken by TEAM NSS VNRVJIET which aims at providing (raw rice) to the orphanages or the needy by collecting it from individual (fist full) with an objective of inculcating social responsibility in every individual of	02/02/2020	02/02/2020	660
Blanket Donation - Blankets were collected from Students and Faculty contributed significantly. The collected Blankets were given to the Slums near Shameerpet Hyd.	15/02/2020	15/02/2020	20

[View File](#)

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

Green Practices 1. Students and staff using a) Bicycles Bicycles are available in the campus for short commutation. A few faculty and students use bicycles to travel from hostel/residence to the College. b) Public Transport An exclusive public transport is provided for the students from distant locations in the city with the help of TSRTC. These vehicles are checked for pollution by the

authorized agency. Exclusive transport facility is provided for staff, students, and hostlers by the institution. The Private transport, Institute vehicles and faculty owned vehicles have pollution check stickers. Random checks are made to check the validation and periodicity of this certificate. c) Pedestrian Friendly Roads The path from the main gate to the academic buildings has Pedestrian friendly foot paths. The walkway is lined with trees and Solar lights. 2. Plastic Free Campus On-campus use of plastic is discouraged. Plastic cups and Paper cups lined with plastic/wax are banned in the canteen. The hot beverages are served in steel mugs/glass. Students and staff are motivated to use their own mugs/cups instead of paper cups. Priority is given to eco-friendly and indigenous brands. Plastic straws and plastic food packaging is not used in the campus. Plastic cutlery is replaced by steel/ bamboo cutlery. Awareness posters and pamphlets are displayed in prime locations of the campus.

3.Paperless office Internal communication in the campus is through e-mail or e-messages, driving towards paperless office. Course end surveys, feedback from students, parents, alumni, midterm exams, leave forms, payrolls etc., are made online, through Google forms/Google docs. The campus automation system, MOODLE and other interfaces are used for the student academic submissions. Double sided use of record sheets is followed in the laboratory. Double-sided printing option is being used at all terminals with access to printers. Recycling of paper is done by VNRSF (Vignana Jyothi Student Force). Paper waste if any will be sent to an external recycling unit and thus the paper is reused.

4. Green landscaping with trees and plants The Institute has a canopy of trees and plants that makes the environment carbon dioxide free to safeguard the health of all the inmates. The green belt (30 of total area) has green lawns and trees (maintains biodiversity) which provide shade and beautiful ambience. The drip method is used for watering plants so as to reduce the usage of potable water. There is minimal use of pesticides and fertilizers in the garden.

5. Ecofriendly and natural Immunity booster- Ayush tea Institution has taken an initiative of serving Ayush tea for faculty, supporting staff, parents and other visitors during the pandemic for immunity boosting. The service provided is free and awareness is provided for all of them to practice the same with their near and dear.

1. Solid waste management: Inspired by Swatch Bharat Mission, Twin-Bin system is being used in the Institute to segregate recyclable and biodegradable waste. Professional contractors collect the recyclable waste and biodegradable waste. The used papers and notebooks are collected every semester and recycled. The books generated are donated to the students of neighbouring Government Schools and are also made available to the in house students in the form of record books. This activity is an exclusive initiative of our students under VNRSF (Vignana Jyothi Student Force). Chemical and hazardous waste from laboratories are disposed as per MSDS. This waste is collected and disposed through a certified third party. The campus is Wi-Fi enabled and hence all communication is made online minimizing paper usage. Usage of plastic cups, plates and cutlery are banned in the campus as a green initiative. Organic waste is composted and used for manure. Sanitary incinerators are installed in campus and hostel. Liquid waste management Sewage Treatment Plant (STP) of 150KL/day capacity is in use both in the Institution campus and Hostel. The treated water is used for flushing and gardening purpose. Eco-friendly floor cleaners are used and the waste water is checked on a monthly basis. Disposal is done after treatment if necessary. Liquid chemicals from Chemistry and Environment Engineering Lab are disposed as per MSDS norms. E-waste management Bins are provided across the campus to collect the E-waste across all departments. The collected material is disposed for recycling through authorized vendors. All Computers, batteries and electronic machinery is purchased under Buy-Back

agreement. All CRT monitors are replaced by the LCD monitors. The lighting in the Academic, Administrative and Hostel areas is through LED bulbs. A solar plant of 275 KWp is installed on the roof top of A,B,D-Block and is connected to grid. 250KWp solar plant is under installation on the top of C-Block. Solar plant of 100 KWp is installed on the roof top of Vignana Jyothi Hostels and is connected to Grid Rain water harvesting structures and utilization in the campus For effective use of water and identifying opportunities of water recycling and reuse, the water foot print calculation is implemented in the Institute canteen and hostels. To improve the ground water resources, the Rain water harvesting pits for recharging are initiated in the institute. The recently constructed D Block has been designed with a roof top that would enable collection of Rain water which is stored in a tank. The water is used for general purposes in the campus. Pipelines, taps and other sources of water discharge are periodically checked to avoid leakages. Sprinkler and Drip Irrigation system is installed for an improved infiltration in soil to avoid any loss of water. The recycled water from STP is used for toilets for flushing and gardening purposes in the institute and the hostels.

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

Best Practice 1: Compliance and Time Management (CTM) Report 1.1: Objectives of the Practice The Compliance and Time management Report is intended to • Carry out the self-audit of the time: Enables the faculty members to self-review how his/her efforts are going to reach the professional targets • Bring or prioritize the professional activates to comply with the NAAC/NBA criteria: Emphasize the activities in line with the requirements of accrediting agencies like NAAC and NBA • Showcase the spectrum of professional activities: Recognizes each and every effort of the faculty member whatever minor it may be • Derive the Faculty Annual Self-Appraisal reports: Useful for initiating the generation of Faculty Annual Self-Appraisal Reports which are submitted by the faculty every year for their performance assessment. • Identify the outcome of each activity: Faculty is able to identify the outcome of each professional activity which is very much essential in Outcome Based Education 1.2 The Context The faculty and staff members of any educational institute are involved in many academic, research and outreach activities as part of their daily routine. Out of these efforts, some may yield fruitful results and some may not. Hence, an effective mechanism is required for the faculty to self-audit their time spent for professional activities like the way audits are being conducted for finance and energy. The Compliance and Time Management Report is strategized with an intention of facilitating the faculty to self-examine the effectiveness of their time utilization and management. The VNR Vignana Jyothi Institute of Engineering and Technology considers the faculty and staff as assets and exercises the Human Capital Management (HCM) than the conventional Human Resource Management (HRM). The Human Capital Management encompasses the Human Resource Management too. In fact, HRM is the subset of HCM. The Human Resource Management fixes the employment regulations like fixing of salaries and other perks. It improves the quality of life of employees. But the Human Capital Management improves the skill set of the employees and enhances the overall quality of the organization. The practice of Compliance and Time Management Report at VNR Vignana Jyothi Institute of Engineering and Technology makes the implementation of Human Capital Management possible. As the faculty members review their efforts measured in terms of time for different activities in academic environment and their outcomes, the faculty will be able to correct or reorient their time management. The continuous improvement of the time management through these Compliance and Time management Reports finally yields the increased productivity in terms of effective teaching -learning processes, technical research publications, research and academic projects and other

extension activities. Vignana Jyothi, at its member institutions give priority for Happiness Index than GDP and its growth. The effective utilization of time through the Compliance and Time Management Reports results for tangible outcomes and hence the higher faculty Happiness Index is maintained. This helps them to improve their professional life quality too. 1.3. The practice The Compliance and Time management (CTM) Reports are generated on weekly basis. The efforts of faculty in terms of time are recorded in the CTM report. The faculty need to specify the outcome of each activity. The efforts are categorized as following heads. • Organization and Governance • Financial and Physical Resources • Human Resources-Improvement of Self/Department • Teaching-Learning Process • Supplementary Processes • R D Initiatives and Consultancy • Post Lockdown Preparations Every faculty member records his/her efforts in terms of minutes in the Compliance and Time Management Report daily and these CTMs are generated on weekly basis. The details of meetings attended and meetings conducted at institute level, departmental level and section level are mentioned against Organization and Governance head. The time spent in Budgeting for Buildings or Equipment, Other Recurring and Non-Recurring Expenses, Monitoring Insurances, Claims, Procurement of equipment and material, erection, Maintenance Development and modification of services like Internet, Networking, Power etc are mentioned against Financial and Physical Resources. The efforts towards Webinars, Seminars, FDPs, Conferences, Workshops organized and attended, Resource Person in Webinars, FDPs, Conference, Workshops, Training Programs, Certificate Courses, Badge Courses organized and attended, Working for Advancement of Qualifications (including Study, Library, Experimentation etc.) are recorded against Human Resources-Improvement of Self/Department head. The time spent in conduction of laboratory classes (both Virtual and Physical), Design of Virtual Labs, Experiments, up-dation of Lab Manuals, Guiding (interaction with the students) Major and Mini Projects (B.Tech/M.Tech) with focus towards publications or Product Development or Patents or social impact projects, Major Project Reviews (M.Tech/B.Tech), Mini Project Reviews (M.Tech/B.Tech), Utilization of Cross Domain Labs for B.Tech/M.Tech Projects, Guidance for Students Internships, Guidance for Course based Projects and Preparation for giving Assignments and correcting Assignments, Conduction of Examinations and Evaluation is documented under Teaching-Learning Process. The time spent in Co-curricular Activities/Professional Society Activities, Extra curricular Activities, Entrepreneurship Development Activities/ Alumni Interaction, Working for Accreditations and Certifications and other such recognitions and the details of Mentoring / Student Counseling in documented against Supplementary Process/ Extension Activities The efforts put towards the Preparation of Research Proposals/Follow-ups on Ongoing projects, Visits to Clients/RD Support Agencies, Review of Ph.D work progress, Efforts for drafting technical papers for publications in Journals/Conferences, Efforts for communicating /Publishing technical research papers in Journals/Conferences, Faculty as a Reviewer (Journals/Conferences/PG Thesis/ Ph.D Thesis/ Student Papers), Patents/ Copy rights (Working/Worked out/Filed/Published), Consultancy effort on-bench/on-site for Revenues, Design/Experiments/Testing towards Revenue Projects, Efforts for Authoring Textbooks/ Monograms/ Book Chapters and Attended Ph.D Course work (in-house faculty) are mentioned against R D Initiatives and Consultancy The time spent in Efforts put in fighting against COVID-19, Restart Manual are recorded against Post Lockdown Preparations. A Post Lockdown Restart Manual which is a framework to prevent and mitigate COVID-19 has been strategized in the institute. The Restart Manual has been developed by the philosophy of VJ MEDISCINE which is in line with Honorable Prime Minister's SAPTHAPADI. The CTM reports submitted by all faculty members are consolidated by the corresponding departments and forwarded to Internal Quality Assurance Cell (IQAC). The IQAC summarizes the data from CTMs and a report is sent to principal and management. The CTM reports submitted by the faculty are useful for generating the Monthly, Half Yearly and Annual Faculty

Self-Appraisal Reports. 1.4. Evidence of Success The Compliance and Time Management Reports have directly or indirectly have contributed for every progress of the institute. The success of the CTMs is evident through • Increased no. of research publications. • Improved pedagogical methods. • Evident superior student performance. • Effective and lucid content development and its management • NAAC A accreditation with a score of 3.73 out of 4 1.5. Problems Encountered and Resources Required • Needs to be filled-in on a daily basis: The faculty are required to record the time spent on different academic, research, consultancy, co-curricular, extra-curricular and other outreach activities on daily basis. In case, if any faculty misses to enter the details in CTM, it becomes difficult to recollect the efforts later. • Requires genuine justification by every individual faculty and staff. • Proper/ Exact prediction of outcome for each activity is essential: As the faculty members are required to indicate the outcome of each activity, proper or exact specification of outcome is needed. Best Practice 2: Skill Development for Faculty and Students through Competency Development Centre (CDC). 1.1 Objectives of the Practice The main moto of CDC is entirely to develop the skills in faculty and students to fill the industrial and research gap. The very focused objectives are as follows: ? Train faculty in Mezzanine technologies. ? Empower students to opt meaningful choices for their career in the dynamic world. ? Design and organize training and development programs to students and faculty on strategically relevant competencies. ? Explore Internships and establish connections with Industry through Industry Institute Interaction Cell (IIIC) ? Offer Academic-Internships to students from VNRVJIET and outside students. 1.2. The Context The technologies and competencies required for Industry 4.0 and Research advances are dynamic and need to be updated by both students and faculty. In the student perspective the Industry needs, and expectations are dynamic. The formal education may not meet all the required industry competencies. The gap analysis between Industry competencies and Graduate competencies need to be identified and addressed time to time. In the faculty perspective, the competencies related to advanced research, mezzanine technologies need to be updated to match the present-day requirements. Lifelong learning is the need of the hour and faculty should also update along with students in-order to guide through projects and internships. Regularly updating the technical and academic competencies will enable faculty to design advanced curriculum and state of art research laboratories. Note: Complete Document is uploaded in attachment

Upload details of two best practices successfully implemented by the institution as per NAAC format in your institution website, provide the link
http://vnrvjiet.ac.in/bestpractices.php

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

Post-Lockdown, Restart Manual-Framework for prevention and Mitigation of Covid-19 Let Us Unlock and Restart with Greater Potential Vignana Jyothi (VJ) with its philosophy rooted in ancient wisdom, decided to combat and mitigate COVID-19 by taking steps driven by collective action. In a step to respond to the spread of the COVID-19 virus, VJ Centre for Presencing and Design Thinking (CPDT) is leading the path ahead with commitment to design and conceive a manual for institutional resilience and an enhanced ability to embrace tools and practices to adapt to short- and long-term goals in the present scenario. A Post-Lockdown Restart Manual: Framework for Prevention and Mitigation of COVID-19 envisioned and formulated as a set of foundational guidelines, guiding not only VJ institutions but also institutions mentored by VNR Vignana Jyothi Institute of Engineering and Technology (VNRVJIET) under AICTE's Margadarshan and UGC's Paramarsh schemes. Devised with the theme VJ MEDISCINE™ imbibing PM

Sri Narendra Modi's Saptapadi and 3 P's: Premises, People, Processes as core elements: the manual addresses many questions and provides solutions to anticipated anxieties: Institutional Pandemic response, transition to a safe, on-campus education, emotional and mental well-being of stakeholders, reorientation of attitudes, and adaptive reorientation to virtual learning by the learners and teachers. VJ MEDISCINE™, coined with a thought process towards Prevention and Mitigation – through a mix of Scientific Essentials/Requirements Social Responsibilities – addresses the next biggest challenge, building future work capabilities and making work portable and flexible across educational organizations. Higher education leaders must take decisive action to help ensure their organisations are resilient. Restarting academic activities is not just opening doors and letting students and staff continue with a pre COVID-19 mindset Our Institute aware of its responsibilities towards students and staff and will restart academic activity ONLY when every safety precaution prescribed by current norms is implemented. To redefine and reshape the road ahead, a critical review and revisualisation of the mission of the organisation as well as the stakeholders is critical. This detailed Framework is not just a Manual but also a well-crafted step-by-step foundation to rebuild trust and confidence among its people. The various steps and processes detailed in the Manual provide one-stop solutions for small/ big organisations to restart their activities ensuring safety as the topmost priority. At our institution, teachers are eagerly waiting to impart knowledge and students are waiting to give wings to their imagination in their classrooms, laboratories, and workshops. With confidence and a strong will, we are certain that this Manual would enable us to take the path ahead and reopen our institutions with complete safety. It is crucial to establish a "New Normal" to foster a rich student experience by adhering to VJ MEDISCINE™. Note: Complete Document is uploaded in attachment

Provide the weblink of the institution
http://www.vnrvjiet.ac.in/InstitutionalDistinctiveness.pdf

8.Future Plans of Actions for Next Academic Year

To introduce the new programs on Artificial Intelligence and Machine Learning, Internet Of Things (IOT), Data Science, Cyber Security at UG level which are the game changing technologies To conduct few awareness programs to promote National Education Policy (NEP) 2020 among the stakeholders To strengthen Academic and Administrative Audit forms To device a self-goal setting mechanisms which will be useful for career growth of the faculty To follow and adopt Standard Operating Procedures (SOPs) in all the departments/sections as per ISO 2005-9001 Planning to increase the MOUs with esteemed and premier institutions (both Industrial and Educational) to improvise the collaborative activities. To implement few more energy conservation methods for optimizing the use of energy resources and to enhance the use of green energies with uplifting the inhouse solar power generation with social and environmental consciousness. Also, to transform the campus completely into a Smart and Clean Campus To implement Pedal operated water taps and Automated water flushing systems in all wash rooms A road map is being worked out to increase the Internal Revenue Generation (IRG) remarkably through consultancy activities and to utilize the funds generated to strengthen such facilities further. Planning to get more research projects from different government and nongovernment funding agencies. Strategizing to enrich the curriculum with mezzanine technologies (Industry 4.0 technologies) to have a compatibility with rapidly changing technical and societal needs.