



SELF STUDY REPORT

FOR

1st CYCLE OF ACCREDITATION

VIGNAN INSTITUTE OF TECHNOLOGY AND SCIENCE

VIGNAN INSTITUTE OF TECHNOLOGY AND SCIENCE VIGNAN HILLS, NEAR
RAMOJI FILM CITY DESHKUMHI VILLAGE, POCHAMPALLY MANDAL,
YADADRI BHUVANAGIRI DISTRICT, TELANGANA

508284

www.vignanits.ac.in

Submitted To

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

BANGALORE

November 2021

1. EXECUTIVE SUMMARY

1.1 INTRODUCTION

Vignan Group of Institutions with an unrelenting attitude of quality consciousness in providing higher education, Vignan Tutorials was started by Dr. L Rathaiah in 1982 and with the establishment of Vignan High school in 1983, a new era evolved in the field of education in Andhra Pradesh. The setting up of Junior colleges, degree colleges, PG colleges, Pharmacy colleges, and engineering colleges with benchmarking standards made Vignan the hub of educational activity in Andhra Pradesh and Telangana. It caters to the needs of 44,000 students in the states of Telangana and Andhra Pradesh.

The Institute, Vignan Institute of Technology and Science was established in the year 1998 with a vision to contribute to the cause of vision 2020. It is affiliated to JNTUH Hyderabad and one of the most distinguished sought-after destinations for engineering education in Telangana State. The Institute is in the rank band of 201-250 NIRF India rankings in engineering category for the last two years. Institute is situated in the village of Deshmukhi, 6 km away from Ramoji Film City, on a hilly area in a lush- green and serene environment. Within a short span, Institute has become synonymous for its creative approach in teaching-learning process, academic excellence, research, discipline and personality development that gave students broader and deeper instinctive perspectives. The institution, with a diverse community of 2781 students, offers 4 PG (M.Tech) programmes and 10 UG (B.Tech) programs i.e CIVIL, EEE, ME, ECE, CSE, EIE, IT, CSE(AI&ML), CSE (DS), AI&DS. Institute proudly imparts high quality education with experienced and passionate faculty, good facilities in hostel set on a sprawling 78.23 acres of sylvan surroundings of valleys and watersheds, mango groves and greenery.

Vision

Vision: "To evolve into a center of excellence in Science & Technology through creative and innovative practices in teaching-learning, promoting academic achievement & research excellence to produce internationally accepted competitive and world class professionals who are psychologically strong and emotionally balanced imbued with social consciousness and ethical values."

Mission

Mission: "To provide high quality academic programmes, training activities, research facilities and opportunities supported by continuous industry - Institute interaction aimed at employability, entrepreneurship, leadership and research aptitude among students and contribute to the economic and technological development of the region, state and nation."

1.2 Strength, Weakness, Opportunity and Challenges(SWOC)

Institutional Strength

1. The management is pioneer in the education sector for the last 4 decades with a distinctive vision.
2. Well-qualified and competent faculty members are always approachable.
3. Excellent and innovative teaching-learning process, Mentoring, Monitoring and Evaluation
4. Well-equipped infrastructure with state-of-the-facilities.
5. Four programs (EEE, ME, ECE and CSE) accredited by NBA.
6. NIRF India ranking 201-250
7. ISO 9001:2015
8. Consistently ranked among the top 100 engineering colleges by the leading survey agencies like India Today, The Week, Outlook, etc.,.
9. Research projects worth Rs. 4.05 crores are contributed by both faculty members and the students.
10. A unique practice of 'Innovative Project Expo' conducted in every semester with a display of student involved projects- a flagship of the best practices of the institution.
11. Decentralized system of governance- Principal, Deans and HoDs- to ensure and achieve better administration.
12. Encourage faculty and students to participate in workshops, conferences, seminars and also publish papers by providing financial assistant/incentive.
13. Individual monitoring of students in all aspects like academics, behavior, career guidance etc. through impeccable counseling system; regular intimation to parents of their ward's progress.
14. Emphasis on employability skills and 'Entrepreneur Development Cell'
15. 85% average placement record in software and reputed core companies through dedicated training & placement team.
16. Eco-friendly green campus in a calm and quite peaceful environment.
17. Remote-centre for IIT Bombay enabled with A-view software.
18. Participatory activities through local community and students for rural development adopting neighboring five villages
19. Excellent indoor and outdoor sports facilities
20. Strong group of alma mater offering services to students

Utilizing strengths

21. Competent faculty with wonderful teaching and research experience to their credit act as the backbone of the institution thus enabling it to offer various courses.
22. Utilizing the alumni services especially for delivering guest lectures which motivate and inspire the students
23. Remote center facility is being utilized by enthusiastic participants in the local community and other participants in the nearby institutions for interacting from here with the course instructor at IIT Bombay.
24. Enthusiastic students are involved in faculty research projects and gained real time experience.
25. 'Innovative Project Expo', a unique practice, conducted meticulously every semester to provide experiential learning on the day-day aspects of emerging trends of technical aspects.
26. In-house comprehensive training modules designed and developed for freshmen to final year to meet the industry needs.

Institutional Weakness

Institutional Weakness:

1. Curriculum design flexibility is limited as the Institute is affiliated to JNTUH Hyderabad.

2. Less number of patents
3. Need to improve research activities/programs and consultancy work
4. Need to establish more Center of Excellences as the number of programs increased.
5. The Institute is away from the heart of city facing commuting challenges; however management provided transport facility from nook and corner of the city to Institute.

Overcoming Weakness:

1. Bridge courses are conducted to fill the identified gaps in the curriculum.
2. Institute provides facility, flexibility and incentives to faculty members for research publications, books, patents and research projects.
3. Institute is maintaining good relationship with industries in terms of MOUs to establish Center of Excellence related to industry.

Institutional Opportunity

Institutional Opportunity:

1. The increasing job opportunities in IT and ITES created demand for emerging engineering courses.
2. Opportunities to carry out societal-centric projects for uplifting rural areas with technology interventions like production of Biogas, Waste Water Treatment, Solid Waste Management, etc.
3. As the youth of this region are highly aspirational, provides Institute with a big opportunity to fill the void.
4. Enables students to avail opportunities for gaining work experience
5. Extensive activities can be conducted with utmost possibility as Institute has vast area at its disposal.
6. To develop and maintain greenery around and implement green initiatives because of the natural vegetation around the campus.
7. Creating more employment opportunities to people in the local community
8. Eminent personalities from the industry and alumni holding good positions in the industry are invited to the campus as resource persons/guests for events. This provides an opportunity for students to interact with them.
9. A peaceful environment away from the city avoiding pollution of all kinds. Hence, the students prefer to join the Institute and stay in hostels.
10. Conducting extension activities under NSS in the local community in order to engage students socially and also understand the awareness of social responsibility.

Institutional Challenge

Institutional Challenges:

1. Recruiting doctorates from reputed Institutes and foreign universities.
2. Retention of the faculty in demanding programs
3. Getting industry oriented projects from private industries.
4. Providing internship opportunities for students in MNCs.

5. Motivating and directing students towards public sector jobs, higher education and civil service examinations.
6. Enhancing the standards of research by encouraging faculty members and students to integrate a research bent of mind.

1.3 CRITERIA WISE SUMMARY

Curricular Aspects

The Institute follows the curriculum designed and developed by the affiliating University. The Institute adapts systematic strategic plan for effective implementation of the curriculum. Academic planning is done keeping in view the vision, mission of the Institute and PSOs of various programs. The academic activities are executed as per the academic planning that is prepared well in advance before the commencement of the academic year. Academic calendars for the each individual department are prepared separately comprising of curricular, co-curricular and extracurricular activities. The course planning is done by faculty members by incorporating course content, identified curriculum gaps based on pre-defined POs & COs.

The Institute has taken an initiative to start add-on courses and certificate courses to ensure holistic development of students and leverage their placement opportunities. With the motive of continuous improvement, the Institute collects the feedback on curriculum, course content delivery and infrastructure facility from various stake holders. Based on the feedback so collected systematic analysis is done and corrective measures are initiated.

Teaching-learning and Evaluation

Right from the Institute inception, the quality of teaching and learning process has been given high priority and maintained the same. This practice resulted in attracting high rate of admissions purely on merit basis through competitive examinations such as EAMCET and JEE, a proper matrix of students as per the government statutory reservation policy. Girl students admissions are progressively improved due to the privileges provided by the Institute. Provision of scholarship to meritorious students.

Faculty: A systematic and scientific approach for recruiting faculty members in line with student faculty ratio of 15:1. About 22% of total faculty strength are with Ph.D degree. Training of faculty on Pedagogy and domain knowledge through faculty development programmes, seminars, webinars, workshops are conducted from time to time.

Teaching –Learning:

Innovative pedagogical practices have been the hall mark for the teaching learning interface at Institute. Over a period of time, there has been gradual paradigm shift from traditional lecture methods towards the innovative approaches, leading to the student centric learning where teacher being in a role of a facilitator. Hence, Institute has been focusing on enriching the teaching and learning practices of the faculty members through ICT enabled tools.

For better understanding of subjects, institution adapts and emphasizes on students centric methods. The institution has implemented LMS (VMedulife, Moodle, and ZOOM) for interaction with teachers and to access

learning resources. Availability of e-materials for self learning. An excellent mentor –mentee system at the Institute to take care of academics stress related issues. Strict implementation of academic calendar and teaching-plans.

Evaluation: A structured body to make evaluation process transparent. Semester wise internal and external assessments are in the ratio of 25% and 75% respectively as per affiliated University (JNTUH Hyderabad) norms. Lecture plans and evaluation pattern are given to students before the commencement of class work.

Research, Innovations and Extension

The Institute has constituted R&D Committee to promote research and consultancy related activities. Faculty members are encouraged to involve actively in research and consultancy services by providing them with incentives. The Institute has well established industry recognized laboratories. Rs. 4.05 crores of funds have been mobilized from government and non government agencies. 2% of the faculty members are recognized as research guides and 6 Ph.Ds are awarded under their supervision. More than 50 faculty members have received awards from National/International recognized bodies. The Institute adheres to the code of ethics. Anti plagiarism software is available in the Institute. In last five assessment years, 1647 research papers published, 21 patents and 10 books are the result of effective culmination of research efforts at the Institute.

Institute has collaboration with 5 foreign universities for higher studies, and an MOU has been signed with one of them for research activities. The Institute has conducted more than 191 extensions activities in the neighboring schools and indulged in plantation of thousands of trees in the neighboring villages. 75 awards/recognition have been received for the extension activities conducted by NSS.

Infrastructure and Learning Resources

The Institute maintains a state of art infrastructure with good ambience and large ventilated classrooms along with spacious corridors, well equipped labs and a vast, well-stocked, user friendly library with excellent resources. The total built up area is 37925 sq.mts. out of the total of 78.23 acres of land.

Class rooms and lab infrastructure: The area of class room is 135 sq.m which is 100 % higher than the AICTE norms. There are 54 class rooms, 9 tutorials, 3 seminar halls, 82 laboratories. All classrooms are ICT enabled and 10% are smart classrooms. All the class rooms are spacious and corridors are wide, making it very comfortable for faculty and students to move around. All labs are well equipped to support both academic work as well as research. All faculty rooms are well furnished with required amenities. The Institute continuously invests on lab equipments to strengthen the R&D activity.

Administrative infrastructure: The administrative office is well furnished with a waiting area and is equipped with all the necessary amenities.

Library: A well-furnished library with ICT enabled facility with a total built up area of 1670 sq.m. and a seating capacity of 300 that is open for 12 hours per day. Total number of books available are 48205 which include Engineering, Technology and Social sciences. Subscription is available for 3200 e-journals and 102 print journals.

Infrastructure: The campus has 700 Mbps internet connectivity and is Wi-Fi enabled. The Institute has 1254

computers with computer student ratio of 1:2.21. Each department is provided with all the necessary proprietary and open source software, ICT tools to support teaching learning as well as research activities.

Hostels: Separate hostels for both boys and girls are available. They are well furnished, ventilated with provision of hygienic food and adequate safety measures to safeguard the health and privacy of the students.

Play grounds and sports facility: The sprawling playgrounds provide sports facilities for track and field events.

Student Support and Progression

All activities and programmes are student centric and aimed at overall development of students. Since its inception, the Institute has well-organized mechanism, to support the students' academic, emotional and psychological progression from the time of admission till the conferment of degree and beyond. This is evident from the fact that most of the average students who hail from rural areas with low confidence levels are transformed into bright, confident and competent professionals. Well defined counseling and mentorship system for every 15 students, a staff counselor/mentor is attached. Merit scholarships are provided to the students based on their academic performance. Special classes are arranged for slow learners with continuous support.

Accidental health insurance is provided to all students. Health center is available for students and staff and also special provisions provided for differently-able people. Students are encouraged and motivated to participate in co-curricular and extracurricular activities, both on campus and off campus through which they develop essential skills useful for interpersonal, team spirit, organizational and managerial.

Placement: The Institute is successful in providing the employment for about 83% of eligible students in MNCs and reputed core companies. The remaining students are motivated and directed to opt for higher education. Students are offered with a highest package of Rs.20 lakhs per annum.

The Alumni association of the Institute maintains contact with alumni and seeks information on internship, projects and employment opportunities as well as their feedback on curriculum. Student representation is included in all the academic and administrative bodies.

Governance, Leadership and Management

The governance and administrative are de-centralized, transparent and foster participation at all levels for smooth functioning of the Institute in co-incidence with its vision and mission.

The apex bodies, viz. governing body, DDC are constituted as per the guidelines. All the bodies consist of a right mix of eminent academicians and industrialists. Participation and implementation is well ensured by the existence of various committees from class room level to higher echelons.

With well framed and compiled administrative rules, the Institute provides autonomy to each department to achieve their goals. The student grievance cell of the Institute resolves student problems at the earliest. Professional development programs for teaching and non teaching staff are organized within the Institute and are also encouraged to attend such programmes in other Institutions. Welfare schemes like insurance, health check up and interest free loans etc. are offered to staff. The Institute has 35% girl students and 20% women

faculty. There is an external audit system for ensuring fair auditing of accounts. IQAC takes care of quality maintenance of all activities of the Institute by reviewing them periodically.

Institutional Values and Best Practices

Best Practice 1

Creating Research Environment in the Institution

Creating the research eco-system in the institution will greatly improve the knowledge. The research environment in institute is improved in the last five years through creation of additional resources, proper utilization of the research facilities, increasing activities in the emerging areas, and overall research focus of the faculty. Research is part and parcel of an institute and faculty.

Best Practice 2

Innovative Projects Implementation and its Impacts:

The institute has a deep conviction in improving the students' skills to groom industry-ready in all aspects. Institute has been implementing the practice of outcome-based education since the academic year 2013-14. The mapping of CO-PO is carried out to find out the gaps in the curriculum. The gaps are identified in the mapping process. To bridge this gap to an extent, the institute has decided to encourage students in the right direction by conducting semester-wise 'Innovative Projects'. A teacher is assigned to a group of students to mentor their project work. The practice resulted in internships from companies to students as they gained experimental and practical exposure by working on innovative projects.

In addition to the above Best Practices, the students are appraised about their role towards environment conservation by educating them on issues related to environmental awareness and are also made to understand the consequences of its destruction. The institute promotes green initiatives in the campus such as

- Haritha Haram
- Swatch Vignan
- Renewable Energy
- Use of Laptops
- Use of LEDs
- Rain Water Harvesting
- Bio-Waste Management

2. PROFILE

2.1 BASIC INFORMATION

Name and Address of the College	
Name	VIGNAN INSTITUTE OF TECHNOLOGY AND SCIENCE
Address	VIGNAN INSTITUTE OF TECHNOLOGY AND SCIENCE VIGNAN HILLS, NEAR RAMOJI FILM CITY DESHKUMHI VILLAGE, POCHAMPALLY MANDAL, YADADRI BHUVANAGIRI DISTRICT, TELANGANA
City	Deshmukhi
State	Telangana
Pin	508284
Website	www.vignanits.ac.in

Contacts for Communication					
Designation	Name	Telephone with STD Code	Mobile	Fax	Email
Principal	G. Durga Sukumar	08685-205201	9000234587	08685-205210	principal.vgnt@vignanits.ac.in
IQAC / CIQA coordinator	Vijayalaxmi Biradar	08684-205201	9505949113	08684-205210	deaniqac89@gmail.com

Status of the Institution	
Institution Status	Private

Type of Institution	
By Gender	Co-education
By Shift	Regular

Recognized Minority institution	
If it is a recognized minority institution	No

Establishment Details	
------------------------------	--

Date of establishment of the college	14-07-1998
--------------------------------------	------------

University to which the college is affiliated/ or which governs the college (if it is a constituent college)		
State	University name	Document
Telangana	Jawaharlal Nehru Technological University	View Document

Details of UGC recognition		
Under Section	Date	View Document
2f of UGC		
12B of UGC		

Details of recognition/approval by stationary/regulatory bodies like AICTE,NCTE,MCI,DCI,PCI,RCI etc(other than UGC)				
Statutory Regulatory Authority	Recognition/Approval details Institution/Department programme	Day,Month and year(dd-mm-yyyy)	Validity in months	Remarks
AICTE	View Document	02-07-2021	12	

Details of autonomy	
Does the affiliating university Act provide for conferment of autonomy (as recognized by the UGC), on its affiliated colleges?	No

Recognitions	
Is the College recognized by UGC as a College with Potential for Excellence(CPE)?	No
Is the College recognized for its performance by any other governmental agency?	No

Location and Area of Campus				
Campus Type	Address	Location*	Campus Area in Acres	Built up Area in sq.mts.
Main campus area	VIGNAN INSTITUTE OF TECHNOLOGY AND SCIENCE VIGNAN HILLS, NEAR RAMOJI FILM CITY DESHKUMHI VILLAGE, POCHAMPALLY MANDAL, YADADRI BHUVANAGIRI DISTRICT, TELANGANA	Rural	31.32	126747.5

2.2 ACADEMIC INFORMATION

Details of Programmes Offered by the College (Give Data for Current Academic year)						
Programme Level	Name of Programme/Course	Duration in Months	Entry Qualification	Medium of Instruction	Sanctioned Strength	No.of Students Admitted
UG	BTech,Civil Engineering	48	Intermediate	English	60	33
UG	BTech,Electrical And Electronics Engineering	48	Intermediate	English	60	42
UG	BTech,Mechanical Engineering	48	Intermediate	English	60	34
UG	BTech,Electronics And Communication Engineering	48	Intermediate	English	180	180
UG	BTech,Computer Science And Engineering	48	Intermediate	English	180	180
UG	BTech,Electronics And Instrumentation	48	Intermediate	English	60	50

	Engineering					
UG	BTech,Computer Science And Engineering Data Science	48	Intermediate	English	60	60
UG	BTech,Computer Science And Engineering Artificial Intelligence And Machine Learning	48	Intermediate	English	120	120
UG	BTech,Information Technology	48	Intermediate	English	60	60
UG	BTech,Artificial Intelligence And Data Science	48	Intermediate	English	60	60
PG	Mtech,Electrical And Electronics Engineering	24	Graduate	English	18	12
PG	Mtech,Electronics And Communication Engineering	24	Graduate	English	12	8
PG	Mtech,Computer Science And Engineering	24	Graduate	English	12	9
PG	Mtech,Computer Science And Engineering	24	Graduate	English	12	11

Position Details of Faculty & Staff in the College

Teaching Faculty												
	Professor				Associate Professor				Assistant Professor			
	Male	Female	Others	Total	Male	Female	Others	Total	Male	Female	Others	Total
Sanctioned by the UGC /University State Government	0				0				0			
Recruited	0	0	0	0	0	0	0	0	0	0	0	0
Yet to Recruit	0				0				0			
Sanctioned by the Management/Society or Other Authorized Bodies	17				39				186			
Recruited	15	2	0	17	34	5	0	39	127	59	0	186
Yet to Recruit	0				0				0			

Non-Teaching Staff						
	Male		Female		Others	Total
Sanctioned by the UGC /University State Government						0
Recruited	0		0		0	0
Yet to Recruit						0
Sanctioned by the Management/Society or Other Authorized Bodies						103
Recruited	71		32		0	103
Yet to Recruit						0

Technical Staff				
	Male	Female	Others	Total
Sanctioned by the UGC /University State Government				28
Recruited	23	5	0	28
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				0
Recruited	0	0	0	0
Yet to Recruit				0

Qualification Details of the Teaching Staff

Permanent Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			Total
	Male	Female	Others	Male	Female	Others	Male	Female	Others	
D.sc/D.Litt/LLD/DM/MCH	0	0	0	0	0	0	0	0	0	0
Ph.D.	13	2	0	21	3	0	12	3	0	54
M.Phil.	0	0	0	0	0	0	1	1	0	2
PG	1	0	0	13	2	0	115	55	0	186
UG	0	0	0	0	0	0	0	0	0	0

Temporary Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			Total
	Male	Female	Others	Male	Female	Others	Male	Female	Others	
D.sc/D.Litt/LLD/DM/MCH	0	0	0	0	0	0	0	0	0	0
Ph.D.	0	0	0	0	0	0	0	0	0	0
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	0	0	0	0
UG	0	0	0	0	0	0	0	0	0	0

Part Time Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			Total
	Male	Female	Others	Male	Female	Others	Male	Female	Others	
D.sc/D.Litt/LLD/DM/MCH	0	0	0	0	0	0	0	0	0	0
Ph.D.	0	0	0	0	0	0	0	0	0	0
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	0	0	0	0
UG	0	0	0	0	0	0	0	0	0	0

Details of Visting/Guest Faculties					
Number of Visiting/Guest Faculty engaged with the college?	Male		Female		Total
	0	0	0	0	0

Provide the Following Details of Students Enrolled in the College During the Current Academic Year

Programme		From the State Where College is Located	From Other States of India	NRI Students	Foreign Students	Total
UG	Male	1760	1	0	0	1761
	Female	976	0	0	0	976
	Others	0	0	0	0	0
PG	Male	19	0	0	0	19
	Female	25	0	0	0	25
	Others	0	0	0	0	0
Certificate / Awareness	Male	0	0	0	0	0
	Female	0	0	0	0	0
	Others	0	0	0	0	0

Provide the Following Details of Students admitted to the College During the last four Academic Years

Programme		Year 1	Year 2	Year 3	Year 4
SC	Male	24	39	32	35
	Female	17	10	10	7
	Others	0	0	0	0
ST	Male	20	20	26	10
	Female	5	5	3	11
	Others	0	0	0	0
OBC	Male	231	226	231	238
	Female	107	102	90	83
	Others	0	0	0	0
General	Male	183	226	220	223
	Female	150	126	0	111
	Others	0	0	151	0
Others	Male	0	0	0	0
	Female	0	0	0	0
	Others	0	0	0	0
Total		737	754	763	718

Extended Profile

1 Program

1.1

Number of courses offered by the Institution across all programs during the last five years

2020-21	2019-20	2018-19	2017-18	2016-17
446	375	372	361	420
File Description		Document		
Institutional data prescribed format		View Document		

1.2

Number of programs offered year-wise for last five years

2020-21	2019-20	2018-19	2017-18	2016-17
12	8	9	7	11

2 Students

2.1

Number of students year-wise during last five years

2020-21	2019-20	2018-19	2017-18	2016-17
2781	2560	2536	2566	2448
File Description		Document		
Institutional data in prescribed format		View Document		

2.2

Number of seats earmarked for reserved category as per GOI/State Govt rule year-wise during last five years

2020-21	2019-20	2018-19	2017-18	2016-17
417	378	387	369	405

File Description	Document
Institutional data in prescribed format	View Document

2.3

Number of outgoing / final year students year-wise during last five years

2020-21	2019-20	2018-19	2017-18	2016-17
676	559	631	618	508

File Description	Document
Institutional data in prescribed format	View Document

3 Teachers

3.1

Number of full time teachers year-wise during the last five years

2020-21	2019-20	2018-19	2017-18	2016-17
219	204	193	212	179

File Description	Document
Institutional data in prescribed format	View Document

3.2

Number of sanctioned posts year-wise during last five years

2020-21	2019-20	2018-19	2017-18	2016-17
0242	0240	216	230	211

File Description	Document
Institutional data in prescribed format	View Document

4 Institution

4.1

Total number of classrooms and seminar halls

Response: 66

4.2

Total Expenditure excluding salary year-wise during last five years (INR in Lakhs)

2020-21	2019-20	2018-19	2017-18	2016-17
352.27	429.55	527.36	577.72	449.03

4.3

Number of Computers

Response: 1254

NAAC

4. Quality Indicator Framework(QIF)

Criterion 1 - Curricular Aspects

1.1 Curricular Planning and Implementation

1.1.1 The Institution ensures effective curriculum delivery through a well planned and documented process

Response:

The institution is affiliated to JNTUH, Hyderabad and strictly adheres to the curriculum prescribed by the university. Institution has a meticulous academic plan for effective delivery of curriculum and it observes the following documented process.

- In accordance with the academic schedules given by the university an academic calendar encompassing schedule of working days, internal assessment examinations, guest lectures, industrial visits, value added courses etc., is prepared for every semester.
- Allocation of subjects to the faculty members is done after careful consideration of their subject expertise besides their preference. After subject allocation, faculty orientation programs are conducted in respective departments before commencement of the class work.
- Course files such as lecture notes, question banks, lab manuals are prepared by the allotted faculty members focusing on the outcome based education and Bloom's Taxonomy. These materials are uploaded in the student's portal for their reference and periodically monitored by the Head of the Department.
- The audit of course files is done by the internal and external experts to ensure the quality.
- Time tables are prepared well in advance for every semester for theory, tutorial and practical classes based on the credits as well as the number of working days as per the curriculum.
- A comprehensive lesson plan depicting the hour wise plan of the delivery of the course is prepared for all the subjects by the allotted faculty members.
- The quality of the delivery of the particular course by the faculty members is periodically monitored by getting feedback from the students by the Dean Academics and Dean Academic Planning and the respective Head of the Department.
- Unit wise syllabus coverage and deviations from the lesson plan will be periodically reviewed by the Head of the Department and is adjusted suitably.
- Special classes are arranged to the students, in case of any loss of working days or if the students require more inputs.
- In order to complement the class room lectures, NPTEL (National Programme on Technology Enhanced Learning) video lecture sessions, model based learning and additional assignments relevant to the subjects are provided to the students.
- To supplement the curricular gaps, during the last five years 73 alumni guest lectures, 296 guest lectures were arranged on several topics covering recent trends, by the experts drawn from academia and industry, 137 courses related to their subjects are conducted to the students for value addition and also to facilitate hands on experience, 245 Industrial visits were arranged to gain exposure to practical aspects of the concepts learnt in the class rooms and current industrial practices.
- Effectiveness of the delivery of course is ascertained through the performance of students in Internal Assessment Examinations besides a comprehensive model examination.

- Meetings are conducted periodically in the departments with the faculty members to assess the level of understanding of the students on the topics covered, immediately after the evaluation of internal assessment examination scripts.
- Special classes are conducted for the slow learners identified through the above process to enhance the performance.

File Description	Document
Upload Additional information	View Document
Link for Additional information	View Document

1.1.2 The institution adheres to the academic calendar including for the conduct of CIE

Response:

Institute is affiliated to JNTUH, Hyderabad and follows academic calendar of the university. Before the commencement of every semester Dean Academic Planning and Dean Academics together prepare institute level academic calendar by clearly indicating curricular, co-curricular and extracurricular activities planned by the departments individually. The commencement of midterm examinations, lab internal examinations and end semester examinations along with lab external examinations are strictly followed by the institution according to the dates scheduled in the university academic calendar. The HoDs of the concerned department prepare the academic calendar in accordance with the institute academic calendar. Various activities like guest lectures, industrial visits, seminars/workshops, etc. are incorporated in the department's academic calendar.

The commencement of semester, mid-term internal examinations, two weeks for practical exams and end of semester are strictly followed according to the university academic calendar. The HoDs of respective departments prepare academic calendar in accordance with institute academic calendar. Various activities like Guest lectures, industrial visit, seminars/workshops, etc. are incorporated in department academic calendar. Lecture plan according to syllabus is prepared by every faculty before commencement of the semester. It covers course objectives and course outcomes. The lecture plan consists of content mode of teaching, completion of unit wise topics with date and total classes required for completion of subject. Every month HoD, Dean Academics and Dean Academic planning collect's syllabus coverage from every faculty to monitor the completion of syllabus. If any faculty is lagging with syllabus coverage as per the deadline, then additional hours are allocated to cover the syllabus. The Dean academics and Dean Academic planning schedule extra lectures after institute hours to lateral entry students to cover the syllabus due to late admissions. Dean Academic planning has standard procedure of fortnight monitoring which ensures smooth conduction of lectures and practical sessions. Internal examinations are conducted by the Institute according to university academic calendar. Results of internal assessment are declared and communicated to students within a scheduled time. Every department conducts project reviews, technical seminar presentations, and comprehensive viva-voce examinations as per the department academic calendar which adheres to university academic calendar. Thus, the institute adheres to academic calendar for conduct of CIE and all other activities during the semester.

File Description	Document
Upload Additional information	View Document
Link for Additional information	View Document

1.1.3 Teachers of the Institution participate in following activities related to curriculum development and assessment of the affiliating University and/are represented on the following academic bodies during the last five years

1. Academic council/BoS of Affiliating university
2. Setting of question papers for UG/PG programs
3. Design and Development of Curriculum for Add on/ certificate/ Diploma Courses
4. Assessment /evaluation process of the affiliating University

Response: A. All of the above

File Description	Document
Institutional data in prescribed format	View Document
Details of participation of teachers in various bodies/activities provided as a response to the metric	View Document
Any additional information	View Document
Link for Additional information	View Document

1.2 Academic Flexibility

1.2.1 Percentage of Programmes in which Choice Based Credit System (CBCS)/ elective course system has been implemented

Response: 100

1.2.1.1 Number of Programmes in which CBCS / Elective course system implemented.

Response: 12

File Description	Document
Minutes of relevant Academic Council/ BOS meetings	View Document
Institutional data in prescribed format	View Document
Any additional information	View Document
Link for Additional information	View Document

1.2.2 Number of Add on /Certificate programs offered during the last five years

Response: 112

1.2.2.1 How many Add on /Certificate programs are offered within the last 5 years.

2020-21	2019-20	2018-19	2017-18	2016-17
26	25	11	25	25

File Description	Document
List of Add on /Certificate programs	View Document
Brochure or any other document relating to Add on /Certificate programs	View Document
Any additional information	View Document
Link for Additional information	View Document

1.2.3 Average percentage of students enrolled in Certificate/ Add-on programs as against the total number of students during the last five years

Response: 91.2

1.2.3.1 Number of students enrolled in subject related Certificate or Add-on programs year wise during last five years

2020-21	2019-20	2018-19	2017-18	2016-17
2464	2294	2294	2367	2328

File Description	Document
Details of the students enrolled in Subjects related to certificate/Add-on programs	View Document
Any additional information	View Document

1.3 Curriculum Enrichment

1.3.1 Institution integrates crosscutting issues relevant to Professional Ethics ,Gender, Human Values ,Environment and Sustainability into the Curriculum

Response:

Institute curriculum effectively integrates cross-cutting issues relevant to Gender, Environment and Sustainability, Human Values and Professional Ethics leads to a strong value based holistic development of students. Various activities are organized throughout the year as a part of the curriculum that helps in the students endeavor.

Curriculum Relevant to Gender: A course on “Gender Sensitization” enables students to understand the concepts and issues related to gender in contemporary India. It provides critical perspective on the socialization of men and women; biological aspects of gender, to reflect critically on gender violence. Students will be able to explain the concept of biological sex, gender, transgender, gender role development and challenges to gender equality. Institution has established “Women Protection Cell” to create and maintain a safe and secure environment in which students, teaching & non-teaching staff can work together in an atmosphere which is free of gender violence and gender discrimination. Various activities are organized under women protection cell exclusively for girl students.

Impact:

- No complaints from girl students and women faculty members since the inception and more girl students are opting the Institution.

Curriculum which addresses Environment & Sustainability: Environmental Science is a compulsory course for all the streams of engineering. The course objectives are to help students in understanding the importance of ecological balance for the sustainable development, understand environmental policies and regulations. Outcome of this course helps the students to understand what constitutes the environment, what are the resources available in the environment, the role of human being in maintaining a clean environment, know-how to maintain ecological balance to preserve bio-diversity. A Course on Renewable energy sources is introduced to enable the students to study the concepts of non-renewable and renewable energy systems, utilization of renewable energy sources for both domestic and industrial applications to analyze the environmental and cost economics of renewable energy sources in comparison with fossil fuels.

A course on Disaster Management introduced by the university to create awareness on disasters, man-made hazards and vulnerabilities, understanding capacity building concepts and disaster management system.

Impact:

- Students and faculty undertake projects on waste water management, solid waste management and sewage treatment.

Curriculum to inculcate Human values and professional Ethics: A course on “Human Values Professional Ethics” gives the following inputs to students.

- To inculcate the reverence of “HUMAN VALUES and ETHICS” to bestow with sustained happiness and prosperity which are the influential aspirations of all human beings.
- Imparting effective human values through education helps to identify and adapt personal values, social values and relations for the welfare of the society.

- Institute celebrates national and international events like Independence Day, Republic Day, Teachers' Day, Engineers' Day, Youth Day, Yoga Day etc. to inculcate the values towards Nationalism and integrity.
- Special programs are conducted on the topics related to 'Personality Development' to enable the students to understand the different behavioural patterns and manners.

Impact:

- Students and faculty members adhere to ethics while carrying out research works such that they does not involve in plagiarism.

File Description	Document
Upload the list and description of courses which address the Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum.	View Document
Any additional information	View Document

1.3.2 Average percentage of courses that include experiential learning through project work/field work/internship during last five years

Response: 4.83

1.3.2.1 Number of courses that include experiential learning through project work/field work/internship year-wise during last five years

2020-21	2019-20	2018-19	2017-18	2016-17
24	18	18	14	22

File Description	Document
Programme / Curriculum/ Syllabus of the courses	View Document
MoU's with relevant organizations for these courses, if any Average percentage of courses that include experiential learning through project work/field work/internship	View Document
Minutes of the Boards of Studies/ Academic Council meetings with approvals for these courses	View Document
Any additional information	View Document

1.3.3 Percentage of students undertaking project work/field work/ internships (Data for the latest completed academic year)

Response: 53.58

1.3.3.1 Number of students undertaking project work/field work / internships

Response: 1490

File Description	Document
List of programmes and number of students undertaking project work/field work/ /internships	View Document
Any additional information	View Document

1.4 Feedback System

1.4.1 Institution obtains feedback on the syllabus and its transaction at the institution from the following stakeholders 1) Students 2)Teachers 3)Employers 4)Alumni

Response: A. All of the above

File Description	Document
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management (Upload)	View Document
URL for stakeholder feedback report	View Document

1.4.2 Feedback process of the Institution may be classified as follows: Options:

1. Feedback collected, analysed and action taken and feedback available on website
2. Feedback collected, analysed and action has been taken
3. Feedback collected and analysed
4. Feedback collected
5. Feedback not collected

Response: A. Feedback collected, analysed and action taken and feedback available on website

File Description	Document
Upload any additional information	View Document
URL for feedback report	View Document

Criterion 2 - Teaching-learning and Evaluation

2.1 Student Enrollment and Profile

2.1.1 Average Enrolment percentage (Average of last five years)

Response: 96.3

2.1.1.1 Number of students admitted year-wise during last five years

2020-21	2019-20	2018-19	2017-18	2016-17
803	724	754	763	718

2.1.1.2 Number of sanctioned seats year wise during last five years

2020-21	2019-20	2018-19	2017-18	2016-17
834	756	774	738	0810

File Description	Document
Institutional data in prescribed format	View Document
Any additional information	View Document

2.1.2 Average percentage of seats filled against reserved categories (SC, ST, OBC, Divyangjan, etc. as per applicable reservation policy) during the last five years (exclusive of supernumerary seats)

Response: 97.24

2.1.2.1 Number of actual students admitted from the reserved categories year-wise during the last five years

2020-21	2019-20	2018-19	2017-18	2016-17
381	378	387	369	384

File Description	Document
Average percentage of seats filled against seats reserved	View Document
Any additional information	View Document

2.2 Catering to Student Diversity

2.2.1 The institution assesses the learning levels of the students and organises special Programmes for advanced learners and slow learners

Response:

A foundation course is being taught to the students before the commencement of first year class work under the title “Bridge Course”. It enables them to cope with their basic concepts in Physics, Chemistry and Mathematics.

A certification course - “Oxford Achiever” is introduced by the institute to the first year students, to overcome barriers in communication skills and to enrich the communication skills. In addition to this, Advanced Communication Skills Lab is conducted in subsequent years as per the curriculum.

To fill the gap between regular and lateral entry students, a bridge course is conducted in Mathematics and Computer Programming.

The students are categorized as advanced learners and slow learners based on their performance in Unit Test, Internal Assessment Examinations and previous semester results.

Special program for the advanced learners:

Advanced learners are motivated towards up-gradation of their skills beyond their syllabus by providing guidance that suits the aspirations of the students.

The students are also motivated and guided towards:

- The competitive examinations like GATE, CAT, GRE, etc.,
- Scope for self-learning through online courses/platforms like SWAYAM, NPTEL, CISCO and Coursera.
- To participate in debates, group discussions, quiz competitions etc.,
- Career based training programs.
- Internships during semester break.
- Meritorious students are provided with scholarships.
- Opportunities with guidance for pursuing interdisciplinary projects.
- Scope for participating in experiential learning in the department
- Financial assistance for executing in-house projects.
- Guidance to publish papers.
- Encouraged to participate and present papers in various Seminars/ Conferences/ Workshops/ Inter Collegiate Competitions.

Special programmes for slow learners:

- Academic performance reviewed after every mid-examination and the students who secure below 60% of marks are identified as slow learners.

Academic performance is reviewed after unit tests and mid-examination, the students who secure below 60% of marks are identified as slow learners. About 15% to 20% of the students, who are slow in grasping, are provided additional academic support through special classes. Some of the initiatives are:

- Remedial and extra classes are held in identified courses to improve the academic performance.
- Continuous support for the students by the faculty members and the counselors to cope with academics, emotional and psychological issues.
- Peer mentoring with the support of advanced learners, for helping them to clear their academic backlogs.
- A separate training is given by the faculty members to clear the backlogs
- Digital content is provided to aid self-study and easy preparation.
- Additional time to clarify the doubts.

Outcome:

- 90% of the students complete their program within the stipulated time
- Continuous improvement in students pass percentage.
- 78% of the students completed extra courses like NPTEL, Coursera etc.
- More than 70% of the students secure jobs while on the campus.

File Description	Document
Upload any additional information	View Document
Past link for additional Information	View Document

2.2.2 Student- Full time teacher ratio (Data for the latest completed academic year)

Response: 12.7

File Description	Document
Any additional information	View Document

2.3 Teaching- Learning Process

2.3.1 Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experiences

Response:

For better understanding of subjects, institution adapts and emphasizes on students centric methods. The institution has implemented LMS (VMedulife, Moodle, and ZOOM) for interaction with teachers and to access learning resources.

The institutional efforts related to experiential learning, participatory learning and problem solving

methodologies are summarized below:

Experiential learning: Active Learning Methods (ALMs) like simulations, case studies etc., Institution has invested for developing fully equipped laboratories and workshops to conduct the practical sessions to validate theory and practical results. The institution arranges industrial visits and provides internships regularly to bridge the gaps between academia and industry.

- Semester wise project expo - “Innovative project expo” is organized to showcase the students’ technical prowess in designing prototypes or live models. 345 student projects demonstrated in 2019 and 376 projects in 2020.
- Mini and Major projects are carried out by the final year students as per curriculum to promote experiential learning, as well as to inculcate entrepreneurial skills among the students.
- Conduct of Technical seminars.
- Collaborative learning is in practice. For example through the MOOCs in association with IIT, Bombay.

Participatory learning: The institution organizes “Innovative Project Expo” to develop and imbibe technical skills in students and encouraged to build project and participate in competition. Guidance and financial assistance is provided to students to participate in technical events, carry out innovative projects. As a part of participative learning, projects are carried out in groups each group consists of 3-5 students. The NSS unit of the institution and IEEE- SB organizes social awareness programmes to develop a sense of societal and civic responsibilities among the students.

The following activities are also conducted as part of participatory learning.

- Assignments are given to the students to nurture their problem solving abilities.
- Guest lectures, Seminars and Workshops are conducted
- Field visits are organized.

Problem solving methodologies: The tutorial sessions provide an opportunity for the student’s to have one-to-one interaction with the faculty and come out with better solutions and conclusions for the problems. Additional enrichment technical courses like, Raspberry Pi, PLC, JAVA, C++, Android, Autocad etc., are taught in the institution for skill development of students. Students are mentored to prepare Robots, Software and Applications(Apps) to solve real world problems. With the apt combination of ICT & active learning methods, the teaching at Institute aims to be completely student centric, techno savvy and transparent.

In addition, students also participated in National level competitions such as Hackathon contest where 324 problems were addressed. Mock drills and simulations help students to perceive real time situations and improve their problem solving skills and analytical ability. 206 students qualified in Code Smash National Level coding Contest. More than 900 students participated and received Appreciation Awards in various Technical, Curricular and Co-Curricular Activities.

File Description	Document
Upload any additional information	View Document
Link for additional information	View Document

2.3.2 Teachers use ICT enabled tools for effective teaching-learning process.

Response:

Innovation and creativity in teaching –learning Process:

Innovative pedagogical practices have been the hall mark for the teaching learning interface at Institute. Over a period of time, there has been gradual paradigm shift from traditional lecture methods towards the innovative approaches, leading to the student centric learning where teacher being in a role of a facilitator. Hence, Institute has been focusing on enriching the teaching and learning practices of the faculty members through ICT enabled tools.

Technical Competence: In order to enhance the students technical competency to meet the employability, centers of excellence have been established in collaboration with organizations like IOT Lab - Redpine signals, IBM Centre for Excellence, E- Yantra robotics laboratory, composite lab, NI-LabView, Digital Library, IEEE student branch, ISTE student chapter, SAE India student chapter, NPTEL Chapter, CISCO Networking Academy. Faculty members are assigned to monitor the above activities.

E- Content: All faculty members have created E-content and made available in the Institute website which enables the students to study at their pace and convenience.

The following ICT practices have been adapted for active learning namely Visualization (Videos, Simulation, Animations etc.), Think - pair share Projects and problem based learning inculcating self-learning and lifelong learning through online courses. Every year most of the students and faculty members are completing one or more online courses through NPTEL, Coursera, and MOOCs .

The following facilities are provided to develop E-content:

- LCD projectors : 67
- Pen Tabs :35
- Mi & Smart Boards : 07
- Cameras and web cams :15
- Light glass Boards : 08
- Editing Software : OBS, ZOOM, Open short, light works, Video Pad,
-

Use of Learning Management System (LMS)

Moodles and Vmedulife are effectively used for unit tests, Internal Assessments, deployment of study material, assessment of students' feedback, conduct of webinars by the industry experts on the topics beyond their curriculum.

Virtual teaching during Covid-19 Lockdown period:

The Institute has designed a meticulous schedule to sustain the teaching and learning practices during the Covid-19 pandemic period using licensed ZOOM online platform and effectively delivered curriculum to the students. It includes online classes, assignment submissions, laboratory activities, project evaluations and mid semester examinations. During the period, the institute continuously monitored and supported students on their academic progress and health by providing necessary guidance/ instructions from time to time. From April 2020 to August 2021, the institute has conducted about 12000 hours of online instruction. More than 90% of the students attended and completed their semesters successfully.

Impact:

- Digital content prepared by the faculty has been used in consecutive semesters which saved their preparation time for every class.
- It gives leverage for faculty to use the saved time for studying advanced topics and update students on emerging trends in the subjects.
- These recorded lectures are useful resources for the students to revise the content and learn at their own pace.
- Overall use of ICT has greatly improved the teaching learning process, resulting in improved academic engagement of all the students.

File Description	Document
Upload any additional information	View Document
Provide link for webpage describing the ICT enabled tools for effective teaching-learning process	View Document

2.3.3 Ratio of students to mentor for academic and other related issues (Data for the latest completed academic year)

Response: 13:1

2.3.3.1 Number of mentors

Response: 219

File Description	Document
Upload year wise, number of students enrolled and full time teachers on roll.	View Document
mentor/mentee ratio	View Document
Circulars pertaining to assigning mentors to mentees	View Document

2.4 Teacher Profile and Quality

2.4.1 Average percentage of full time teachers against sanctioned posts during the last five years	
Response: 88.37	
File Description	Document
Year wise full time teachers and sanctioned posts for 5years(Data Template)	View Document
List of the faculty members authenticated by the Head of HEI	View Document
Any additional information	View Document

2.4.2 Average percentage of full time teachers with Ph. D. / D.M. / M.Ch. / D.N.B Superspeciality / D.Sc. / D.Litt. during the last five years (consider only highest degree for count)				
Response: 19.68				
2.4.2.1 Number of full time teachers with Ph. D. / D.M. / M.Ch. / D.N.B Superspeciality / D.Sc. / D.Litt. year wise during the last five years				
2020-21	2019-20	2018-19	2017-18	2016-17
49	53	40	29	28

File Description	Document
List of number of full time teachers with Ph. D. / D.M. / M.Ch. / D.N.B Superspeciality / D.Sc. / D.Litt. and number of full time teachers for 5 years (Data Template)	View Document
Any additional information	View Document

2.4.3 Average teaching experience of full time teachers in the same institution (Data for the latest
--

completed academic year in number of years)

Response: 5.81

2.4.3.1 Total experience of full-time teachers

Response: 1273.43

File Description	Document
List of Teachers including their PAN, designation, dept and experience details(Data Template)	View Document
Any additional information	View Document

2.5 Evaluation Process and Reforms

2.5.1 Mechanism of internal assessment is transparent and robust in terms of frequency and mode

Response:

Institute follows the university guidelines for the internal assessment of the theory and laboratory exams. Our internal assessment is very apparent and transparent because of the care taken in the following features:

Well defined assessment schedule is designed for every semester which is a part of the academic calendar. Course curriculum and distribution of marks for every test is predefined and revealed to the students well in advance. Scheme of evaluation is published in the institute's website immediately after the completion of examinations.

Two mid-term exams are conducted as per the guidelines of the university and four unit wise assignment tests are conducted as per the Institute's academic calendar. After the assessment, answer scripts of mid-term examinations are distributed among the students and the solutions are discussed for their benefit and also to shed the apprehensions and to maintain transparency in the evaluation. The marks obtained by the students in internal assessments are displayed in the departments' notice boards and are uploaded in the institute's website.

Students' performance during their practical sessions are updated in the attendance registers. It is evaluated based on their timely submission of lab records, regularity and performance in the laboratory for 15 marks. Two internal lab exams are conducted in each semester and the average of two performances are considered for 10 marks. Spell-wise attendance of students and performance in unit tests, mid-term tests are displayed in the notice boards. It is communicated to the parents and discussed in the Parent-Teacher Meeting. Slow learners are given another chance to improve their performance in the unit tests by re-conducting the exam.

Project work is evaluated by conducting three reviews in a semester to know the progress of the work and the evaluation sheets are maintained. This enables the students to remain focused and turning to be confident besides the improvement of the presentation skills and communication skills.

File Description	Document
Any additional information	View Document
Link for additional information	View Document

2.5.2 Mechanism to deal with internal/external examination related grievances is transparent, time-bound and efficient

Response:

The Institute has a Dean Evaluation, appointed by the Principal for smooth execution of exams and to resolve Examination related grievances. The Dean acts as the Controller of Examination and looks after the entire system of examinations.

Grievances related to the external examinations: The grievances such as malpractice, Non issue of Hall ticket for examination, Appointing the scribes for the students on medical grounds, non declaration/with held of results of students, non receipt of marks sheet after declaration of the results, Incorrect entries in the hall tickets and mark memos, Rechecking/Reevaluation.

All the above mentioned grievances of the students are forwarded to the university by the institute within the stipulated time and the same information is communicated to the concerned student.

Grievances related to internal examinations: The examination cell of the institute is solely responsible for the grievances related to the internal examinations. For the grievances regarding the mid examinations, the students can complain on any aberration in the result, within two days of the declaration of results, to the concerned faculty. Students can contact their faculty mentor, respective HoD or directly the examination cell, for any grievances related to the internal examinations. Faculty mentor can take a note of students' grievances and report the same to the faculty member and the HoD concerned. HoD may contact Dean Evaluation for any suggestion and query related to the students' grievances. As there is complete transparency in the process besides regular supervision, very less grievances is observed related to the evaluation of internal marks. However, if the student is still unsatisfied, He/she can contact the Principal, who is the highest and competent authority to resolve any issue related to the internal examinations.

File Description	Document
Any additional information	View Document
Link for additional information	View Document

2.6 Student Performance and Learning Outcomes

2.6.1 Programme and course outcomes for all Programmes offered by the institution are stated and displayed on website and communicated to teachers and students.

Response:

The institution has clearly defined COs, PSOs and PEOs consistent with the Mission statement of the institute. Attainment of these learning outcomes is integrated with the continuous assessment and the end semester examinations of the evaluation process. They are widely publicized and uploaded in the institute's website (<https://vignanits.ac.in>), class room notice board and lab records.

An example to illustrate the above process for engineering program is given below:

Defining the Outcomes:

In defining learning outcomes, following aspects are addressed:

- All Course Outcomes (COs) are reckonable and stated using action verbs (Bloom's taxonomy).
- COs are declarative statements, defining the knowledge, skills and competencies obtained by the students on completion of course.
- Additional credit and non-credit based areas covering Professional Ethics, environmental studies, Constitution of India and Gender sensitization are incorporated into the program and through campus activities like Gandhi Jayanthi celebrations, observation of Environment Day etc., to meet the learning outcomes of the courses.
- COs are formulated to make students proficient in all areas of learning (cognitive, psychomotor and affective domains). Evaluation on attainment takes place at program level. CO attainment is based on Continuous Internal Evaluation and end semester examinations.

Assessment Process:

- Assessment method/tools are decided, considering the graduate attributes for every program and taking into account different learning outcomes to be measured.

Type of Course	Assess
Theory course	Internal: unit tes * End Semes
Lab course	Internal: Conti Internal Exam End Semester Ex
Mini project/ Project/Internship	Interna External:

	Demonstrati
Seminar course	Internal: pres

Dissemination:

- Before the commencement of academic year, decisions are taken in faculty meetings of the department about the mode of teaching-learning keeping in perspective of the COs, POs and PSOs.
- Learning outcomes are publicized through
- Publications - Syllabus books, Records.
- Display - Class rooms, Laboratories, Corridors, Website.
- Graduates of different streams are groomed with the professional knowledge and are molded to be ready to take up the leadership roles in society, such that they provide suitable solutions for the societal issues, environmental problems etc. They are groomed to be gender sensitive and become resilient in coping with the contingencies, by acquiring capabilities for disaster management, while enjoying their rights to physical safety and health.
-
- Public discourse and explanation - Bridge course for first year students, inaugural sessions for

second, third and final year students, workshops, alumni meetings, seminars, conferences, parent meetings etc.

File Description	Document
Upload COs for all Programmes (exemplars from Glossary)	View Document
Upload any additional information	View Document
Past link for Additional information	View Document

2.6.2 Attainment of programme outcomes and course outcomes are evaluated by the institution.

Response:

A well-defined process for CO and PO attainment has been in practice for the last seven years.

Defining the Learning Outcomes:

- Concern subject faculty maps COs with POs and PSOs and deploy suitable assessment tools with defined rubrics after the approval from department.

Assessing PO attainments:

- Gaps identified, during execution are addressed through the actions initiated by the departmental level committees.
- The committees set targets for both CO & PO attainments prior to the commencement of each semester by considering the attainments of earlier batch and pass percentage of the existing batch.
- PO attainment is carried out through direct and indirect assessments, with 80%, and 20% weightage respectively.
- Direct assessment of POs defined as cumulative assessment of COs.
- Computation process followed for assessing CO & PO attainment is given respectively in annexure.
- Continuous improvement observed in the attainment of POs/PSOs year after year.

Practices adopted to improve PO and PSO attainment:

- Academic practices are enforced to improve PO and PSO attainment from 2013 to 2016 batches.
- Introduction of Unit wise tests.

- Introduction of Continuous Assessment during practical sessions.
- Learning resources through ICT
- Encouraging and incentivizing, besides motivating self-study like NPTEL, Coursera etc.,

Professional practices in vogue to improve PO and PSO attainment from 2013 to 2016 Batch:

- On-line courses offered via NPTEL, Coursera etc.
- Students motivated to participate in Co-curricular & Extra-Curricular activities
- Student Chapters of Professional bodies like IEEE, ISTE etc., initiated.
- Effective counseling and mentoring in force

File Description	Document
Upload any additional information	View Document
Paste link for Additional information	View Document

2.6.3 Average pass percentage of Students during last five years

Response: 91.64

2.6.3.1 Number of final year students who passed the university examination year-wise during the last five years

2020-21	2019-20	2018-19	2017-18	2016-17
604	508	590	561	476

2.6.3.2 Number of final year students who appeared for the university examination year-wise during the last five years

2020-21	2019-20	2018-19	2017-18	2016-17
676	559	631	618	508

File Description	Document
Upload list of Programmes and number of students passed and appeared in the final year examination (Data Template)	View Document
Upload any additional information	View Document
Paste link for the annual report	View Document

2.7 Student Satisfaction Survey

2.7.1 Online student satisfaction survey regarding teaching learning process	
Response: 3.75	
File Description	Document
Upload database of all currently enrolled students (Data Template)	View Document
Upload any additional information	View Document

Criterion 3 - Research, Innovations and Extension

3.1 Resource Mobilization for Research

3.1.1 Grants received from Government and non-governmental agencies for research projects, endowments, Chairs in the institution during the last five years (INR in Lakhs)

Response: 406.76

3.1.1.1 Total Grants from Government and non-governmental agencies for research projects , endowments, Chairs in the institution during the last five years (INR in Lakhs)

2020-21	2019-20	2018-19	2017-18	2016-17
26.95	58.65	9.21	145.08	166.87

File Description

Document

List of endowments / projects with details of grants

[View Document](#)

e-copies of the grant award letters for sponsored research projects / endowments

[View Document](#)

Any additional information

[View Document](#)

3.1.2 Percentage of teachers recognized as research guides (latest completed academic year)

Response: 2.28

3.1.2.1 Number of teachers recognized as research guides

Response: 05

File Description

Document

Institutional data in prescribed format

[View Document](#)

Any additional information

[View Document](#)

3.1.3 Percentage of departments having Research projects funded by government and non government agencies during the last five years

Response: 32.43

3.1.3.1 Number of departments having Research projects funded by government and non-government agencies during the last five years

2020-21	2019-20	2018-19	2017-18	2016-17
0	2	0	6	4

3.1.3.2 Number of departments offering academic programmes

2020-21	2019-20	2018-19	2017-18	2016-17
8	8	7	7	7

File Description	Document
Supporting document from Funding Agency	View Document
List of research projects and funding details	View Document
Any additional information	View Document
Paste link to funding agency website	View Document

3.2 Innovation Ecosystem

3.2.1 Institution has created an ecosystem for innovations and has initiatives for creation and transfer of knowledge

Response:

The Institution has created an ecosystem for innovation including incubation center and other initiatives for creation and transfer of knowledge. MOODLE Based Learning Management System (LMS): Vignan Institute of Technology & Science has customized and configured MOODLE based LMS. Login Id for all the students and faculties are created to access the resources in LMS. Total 2548 users are enrolled so far. More than 60 courses are linked with LMS. Lecture notes, Video lectures, Question banks etc., are made available through LMS. Students can discuss their difficulties and teachers can share online notices, assignments using LMS.

Online Counseling System: Vignan Institute of Technology & Science maintains online counseling system. Group of 15 students are assigned to each faculty. Faculty counselor maintains the complete information about their 15 students in the counseling system such as monthly attendance, academic performance, family background, student strengths and weakness counseling details are updated regularly by every faculty. Online feedback software: Institute maintains online feedback software for feedback from students and its analysis. Every student use to get login Id to give the feedback about the faculty on teaching learning process twice in a semester.

Incubation center: Institution has set up Incubation center under EDC to encourage research activities and

promote entrepreneurship through Industry institute interactions. The incubation center is well equipped with PCs, LCD Projectors, printers etc. This institution promote students to develop technical skills by encouraging them to participate in national, international events like, Hackathon, Gokart etc. The institution provides financial support to the faculties and students for publishing their research papers in reputed national and international journals/conferences. The institution library has reference books, journals, e-journals, NPTEL videos and DELNET software etc., to enhance knowledge. The institution has well established equipped laboratories to carry out projects and research activities. The institute has established IBM center of excellence E-yantra Robotics lab (IIT Bombay) IOT lab (Red Pine Signals) CISCO networking training center, Akash Lab (IIT Bombay). The Institute has received FIST funding to establish laboratory. Faculty are encouraged to register Ph.D. program in different university to ensure that environment for heterogeneous research culture is finally established at our institute. Institute has received more than 4.5 crores worth research projects from various recognized government bodies like DST, SERB, MNRE, DRDO etc. The institute caters a large number of consultancy projects which in turn bring about research experiences and also create real time data which lead do research. The institute maintains human values and professional ethics by creating code of ethics plagiarism check software is available to check all research work. The students in the institute are participating in various technical competitions and cultural activities at national and international levels. Special facilities such as internet, library, required infrastructure and supportive facilities have been provided for preparation of these activities. The institute has collaborated with some of the reputed agencies/ institutions/research bodies for sharing research facilities to facilitate the students for their preparations. Students and faculties are appreciated by institute for their achievements regularly.

File Description	Document
Upload any additional information	View Document
Paste link for additional information	View Document

3.2.2 Number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship during the last five years

Response: 163

3.2.2.1 Total number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship year-wise during last five years

2020-21	2019-20	2018-19	2017-18	2016-17
36	45	29	29	24

File Description	Document
Report of the event	View Document
List of workshops/seminars during last 5 years	View Document
Any additional information	View Document

3.3 Research Publications and Awards

3.3.1 Number of Ph.Ds registered per eligible teacher during the last five years	
Response: 3	
3.3.1.1 How many Ph.Ds registered per eligible teacher within last five years	
Response: 15	
3.3.1.2 Number of teachers recognized as guides during the last five years	
Response: 05	
File Description	Document
List of PhD scholars and their details like name of the guide , title of thesis, year of award etc	View Document
Any additional information	View Document
URL to the research page on HEI website	View Document

3.3.2 Number of research papers per teachers in the Journals notified on UGC website during the last five years				
Response: 4.91				
3.3.2.1 Number of research papers in the Journals notified on UGC website during the last five years.				
2020-21	2019-20	2018-19	2017-18	2016-17
113	474	178	134	90

File Description	Document
List of research papers by title, author, department, name and year of publication	View Document
Any additional information	View Document

3.3.3 Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during last five years

Response: 1.14

3.3.3.1 Total number of books and chapters in edited volumes/books published and papers in national/ international conference proceedings year-wise during last five years

2020-21	2019-20	2018-19	2017-18	2016-17
65	123	5	22	15

File Description	Document
List books and chapters edited volumes/ books published	View Document
Any additional information	View Document

3.4 Extension Activities

3.4.1 Extension activities are carried out in the neighborhood community, sensitizing students to social issues, for their holistic development, and impact thereof during the last five years.

Response:

A number of extension activities conducted in the Institute, nearby localities and villages. The Institute has got appreciation for its yeomen service and brought a positive change in the work areas and developed sense of social responsibility among the students.

Under Unnat Bharat Abhiyan scheme, five villages were adopted for various activities like village survey, medical camps, and support to Government school students by providing stationary and uniform dresses, IOT medical Kits. The following are adopted villages:

- Abdullapurmet
- Kawadipally
- Deshmukhi

- Taramatipet
- Balijaguda

The institute appointed a Physical Education Trainer on outsourcing basis to Government Upper Primary School, Deshmukhi to enhance physical activities of the school children and monthly honorarium is paid by the institute.

The institute bagged “Best Blood donating Institute” awards from various blood banks. IEEE VITS students’ branch has successfully implemented “Smart Security system for an orphanage” at center for social service, Hayathnagar where there are more than 3500 girl students take shelter, the project was completely funded by EPICS in IEEE. STEM education encouraged in Government High school, Kawadipalli with support from IEEE-Student Branch funding. Apart from this every year institute offers laboratory sessions to impart practical knowledge to the nearby Government School students.

These activities helped the institute students to improve their practical exposure, communication skills, and adaptability to socio-environmental conditions, organizational skills and leadership qualities.

The NSS unit organized various health awareness camps such as swine flu, Chickengunya, AIDS, and Cancer etc. Environment related campus such as Green Diwali, Disaster management, eco-friendly Ganesha, plantation, Covid-19 etc.

Institute facilitated a worth of Rs. 2 Crore 40 feet BT road from the Institute to Kawadipally. Metal road is provided from the Institute to Deshmukhi village, which in turn connects the Kawadipally village main road to reduce the travelling distance around 5km to village people. The Institute also donated CC cameras to the department of police Pochampally mandal.

Students continuously participate in various clubs and societies; contribute to society through campus-activities like:

- Awareness Program on Energy Conservation
- Awareness Program on Road Safety
- Swachh Bharat
- Planting and adopting trees
- Health check-up, blood-donation camps
- Eco-friendly celebration of festivals

Participation in such community service activities helped students to attain maturity and social responsibility.

Outcome:

- Health and hygienic conditions of the villagers have improved due to the awareness programs and resulted less impact of Covid-19.
- Physical activities of the school children improved and enrollment of children increased.
- School children gained hands on experience.
- Orphanage girls felt so secured with security tools provided by the Institute.
- Income sources of the villagers improved due to road facilities.
- Care for nature and philanthropy developed among the villagers.

File Description	Document
Upload any additional information	View Document
Paste link for additional information	View Document

3.4.2 Number of awards and recognitions received for extension activities from government/ government recognised bodies during the last five years

Response: 79

3.4.2.1 Total number of awards and recognition received for extension activities from Government/ Government recognised bodies year-wise during the last five years.

2020-21	2019-20	2018-19	2017-18	2016-17
24	18	17	9	11

File Description	Document
Number of awards for extension activities in last 5 year	View Document
e-copy of the award letters	View Document
Any additional information	View Document

3.4.3 Number of extension and outreach programs conducted by the institution through NSS/NCC, Government and Government recognised bodies during the last five years

Response: 159

3.4.3.1 Number of extension and outreached Programmes conducted in collaboration with industry, community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., year-wise during the last five years

2020-21	2019-20	2018-19	2017-18	2016-17
1	32	37	48	41

File Description	Document
Reports of the event organized	View Document
Number of extension and outreach Programmes conducted with industry, community etc for the last five years	View Document
Any additional information	View Document

3.4.4 Average percentage of students participating in extension activities at 3.4.3. above during last five years

Response: 47.52

3.4.4.1 Total number of Students participating in extension activities conducted in collaboration with industry, community and Non- Government Organizations such as Swachh Bharat, AIDs awareness, Gender issue etc. year-wise during last five years

2020-21	2019-20	2018-19	2017-18	2016-17
121	400	2238	780	2423

File Description	Document
Report of the event	View Document
Average percentage of students participating in extension activities with Govt or NGO etc	View Document
Any additional information	View Document

3.5 Collaboration

3.5.1 Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship per year

Response: 0

3.5.1.1 Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship year-wise during the last five years

2020-21	2019-20	2018-19	2017-18	2016-17
0	0	0	0	0

File Description	Document
e-copies of related Document	View Document
Details of Collaborative activities with institutions/industries for research, Faculty exchange, Student exchange/ internship	View Document
Any additional information	View Document

3.5.2 Number of functional MoUs with institutions, other universities, industries, corporate houses etc. during the last five years

Response: 51

3.5.2.1 Number of functional MoUs with Institutions of national, international importance, other universities, industries, corporate houses etc. year-wise during the last five years

2020-21	2019-20	2018-19	2017-18	2016-17
15	8	7	6	15

File Description	Document
e-Copies of the MoUs with institution/ industry/corporate houses	View Document
Details of functional MoUs with institutions of national, international importance, other universities etc during the last five years	View Document
Any additional information	View Document

Criterion 4 - Infrastructure and Learning Resources

4.1 Physical Facilities

4.1.1 The Institution has adequate infrastructure and physical facilities for teaching- learning. viz., classrooms, laboratories, computing equipment etc.

Response:

- Institute has a lush green campus spread over 78.23 acres, for stimulating a wide spectrum of activities mainly teaching - learning, research, Co-curricular and Extra-curricular activities.
- A block of 27,877 Sq.m built up area (Classrooms, Labs. & Library, Administrative purpose) and another academic block of 10,048 Sq.m (Classrooms, Labs.) available for academic purpose.
- Average area per student 12.5 Sq.m against AICTE recommendation of 9.5 Sq.m.

Facilities for Teaching-Learning:

- 53 well ventilated, spacious classrooms with 66 seating , 10 tutorial rooms and 3 seminar halls are ICT enabled.
- All computer labs are air-conditioned with ICT facilities.
- Average classroom area is 135.5 Sq.m against AICTE norms of 66 Sq.m.
- Class rooms optimally used for value added courses and club activities.

Laboratories:

- Laboratories are equipped with functional workspaces and all required amenities.

Centres of Excellence and Research Centres:

Two Centres of Excellence and Six Research Centres are exclusively available for multidisciplinary research.

Objectives:

- To create state of art facilities for interdisciplinary and collaborative research to attract industry sponsored projects.
- To offer consultancy services to government and non-government agencies
- To establish MoUs with industry and research organizations, at national and international level.

Research Centres:

- Lab view with DST-FIST
- IOT in association with Redpine and Alumni
- Robotic lab in association with IIT B
- Design and simulation lab
- Industry supported design lab

- CISCO Networking Academy

Thrust areas:

- Software Defined Radios
- Robotics
- Drones
- Agriculture Engineering
- Bio-medical Signal processing
- Computer Vision
- Artificial Intelligence
- Machine Learning and Deep Learning
- Internet of Things (IoT)
- Composite Materials
- Machining
- Block chain Technology
- Cyber Security
- Concrete Technology
- Geo Technical

Centres of Excellence (CoEx):

- Composite materials lab
- IBM centre of Excellence

Outcomes:

- Published 1645 research articles in various reputed journals and conferences.
- Approximately Rs.3.5 Crore worth projects received from various funding agencies

Computing Equipment:

- Rs. 2 Crore spent during 2016-21 for upgrading IT infrastructure.
- Centralised computing facility available in the area of 136.7 Sq.m
- 1254 computers are available with 2.21:1 student-computer ratio
- 63 Wi-Fi access points and 1500 LAN connections.
- Each department has computing facilities with 20 systems.
- 700 Mbps Internet with 10 Mbps backup, Firewall, Proxy, DHCP, application servers
- Exclusive institute computer excellence center with High-end server

Utilisation: 13– 14 hours/day computer utility for online courses, projects, programming skill practice through HACKATHONS

File Description	Document
Upload any additional information	View Document
Paste link for additional information	View Document

4.1.2 The Institution has adequate facilities for cultural activities, sports, games (indoor, outdoor), gymnasium, yoga centre etc.

Response:

The institution endeavors to develop students in all dimensions, viz. intellectual, physical, social and psychological. It trains them to be skilled, knowledgeable and dynamic professionals who are well-balanced, capable of leading organizations and serve the society. The all-round development of students is made possible through the socio-cultural activities.

Sports and Games facilities:

Sports area spread over an approximately 34211.16 sq.m. facilitating Cricket, Foot-Ball, Volley Ball, Kabaddi, Tennis, Basket Ball, Badminton, Tennicoit and Indoor games. Physical Education Cell supported with two Physical Directors and supporting staff. Scholarships for sports persons are awarded to cover boarding, lodging facilities and tuition fees. This sports scholarship is provided to players who participate at state and national level competitions.

Outdoor

Sports Field	Number	Area/size sq.mts
Foot ball field	1	5000
Volleyball court	5	810
Basket ball court	2	840
Ball badminton court	1	297.19
Badminton court	1	81.74
Throw ball court	2	446.52
Tennikoit court	2	134.2
Cricket Play ground	1	16900
Kabaddi court	2	260
400 mts track (8 lines)	1	3920
Gymnasium ,Yoga center	1	500
Lawn Tennis Court	2	521

Indoor hall is available to play table tennis, carom and chess.

Table tennis-2 Nos (915 sq.feet) , Carroms – 8Nos , Chess-15Nos, shuttle badminton(13.41 X 6.10 Sq.mts)

Cultural activities: Institute organizes a national annual cultural fest- “VIGNAN TARANG”. Every year more than 50 institutes participate in this two day event organized in open air auditorium which has a capacity of more than 4000 students. Students are encouraged to participate in various state and national level cultural events.

Literary and arts club conduct cultural activities during Sankranti and Dussehra festivals like Rangoli competition, kite festival ,singing, dancing, Batukamma etc. to bring awareness on our culture.

Auditoriums and Facilities for Cultural Clubs:

S.No.	Facility	Seating Capacity
1	Seminar hall-1	300
2	Seminar hall-II	520
3	Seminar hall-III	310
4	Open air auditorium	4000

File Description	Document
Upload any additional information	View Document
Paste link for additional information	View Document

4.1.3 Percentage of classrooms and seminar halls with ICT- enabled facilities such as smart class, LMS, etc. (Data for the latest completed academic year)

Response: 100

4.1.3.1 Number of classrooms and seminar halls with ICT facilities

Response: 66

File Description	Document
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	View Document
Upload any additional information	View Document
Paste link for additional information	View Document

4.1.4 Average percentage of expenditure, excluding salary for infrastructure augmentation during last five years(INR in Lakhs)

Response: 29.49

4.1.4.1 Expenditure for infrastructure augmentation, excluding salary year-wise during last five years (INR in lakhs)

2020-21	2019-20	2018-19	2017-18	2016-17
101.28	95.87122	92.39276	236.15	170.52

File Description	Document
Upload Details of budget allocation, excluding salary during the last five years (Data Template)	View Document
Upload audited utilization statements	View Document
Upload any additional information	View Document

4.2 Library as a Learning Resource

4.2.1 Library is automated using Integrated Library Management System (ILMS)

Response:

Automation of Library:

Vignana Dhara Central Library, is managed with fully-automated, multiuser, integrated Library Management Software, called EZlib, developed in-house by students under faculty guidance. The facility is open for 11 hours per day on all working days and students can enjoy remote access to all library resources, can download digital content to prepare not only for academic and project works but also avail resources for preparation for competitive exams like UPSC, GATE, GRE, TOEFL etc.,

Library Infrastructure:

The institution has an artistically well designed knowledge resource centre called 'Vignana Dhara' - Central Library consists of an area 1670 Sq.mts. The facility has separate digital section with 30 systems and project report session for PG & UG students. Total investment is Rs. 140.22 Lakhs in the last five years of which Rs. 112.84 lakhs for purchase of books, printed journals, and Rs.27.38 Lakhs digital resources. Rs. Ten lakhs for augmentation of infrastructure. Total number of titles 10360, volumes 48205.

Vignana Dhara Central Library being the heart of the academic and learning system an independent building located in 'C' block and is easily accessible to everyone. The mission of the library is to facilitate creation of new knowledge through acquisition, organization and dissemination of knowledge resources and providing for value added services.

Average number of students who use library is 1200 per day, during the last five years.

- The Central Library works from 07.30 am to 8.30 pm.
- The library is also functioning on Sundays & holidays for half a day.
- IEEE remote access of Digital Library of the Institute is functioning by 24/7.
- The Library has huge collection of books, journals, non-book materials, etc. in the discipline of Engineering, Technology, Management, Science, and Humanities.
- Three Library OPAC (Online Public Access Catalogue) systems are placed in Library for ease of access to the Library books.
- Books transactions are done from 8.30 am to 6.30 pm.
- The Library is a member of DELNET (Developing Library Network).
- The Library is also a member in National Digital Library (<https://ndl.iitkgp.ac.in/>) (NDL). All the staff and students have enrolled their membership to access the huge resources, offered by NDL, freely.
- The Library subscribes following e-Journals through JGate (eShodhsindhu), IEEE, IEI. All these e-Journals can be accessed anywhere anytime through 'remote access'.
- Department Library exists in all the departments for immediate reference by their staff and students.
- Library conducts 'Annual Book Exhibition', which enable the staff, and students to go through hundreds of titles of their area of interest under one roof.
- The library is also equipped with Educational Audio & Video CDs/DVD/Back volumes, Project Reports etc. A number of guides are available in reference section for preparation of competitive exams like GATE, Civil Service Exam, TOEFL, GRE, GMAT, and similar exams.

Impact:

- Automation of Library Services has increased efficiency of content search, and location functions.
- Improved efficiency of library staff to provide more time and attention for student services.
- Campus-wide availability of e-resources through Wi-Fi enables unlimited content for academic and research purpose.

File Description	Document
Upload any additional information	View Document
Paste link for Additional Information	View Document

4.2.2 The institution has subscription for the following e-resources

- 1.e-journals**
- 2.e-ShodhSindhu**
- 3.Shodhganga Membership**
- 4.e-books**
- 5.Databases**
- 6.Remote access to e-resources**

Response: A. Any 4 or more of the above

File Description	Document
Upload any additional information	View Document
Details of subscriptions like e-journals, e-ShodhSindhu, Shodhganga Membership , Remote access to library resources, Web interface etc (Data Template)	View Document

4.2.3 Average annual expenditure for purchase of books/e-books and subscription to journals/e-journals during the last five years (INR in Lakhs)

Response: 60.76

4.2.3.1 Annual expenditure of purchase of books/e-books and subscription to journals/e-journals year wise during last five years (INR in Lakhs)

2020-21	2019-20	2018-19	2017-18	2016-17
56.75	60.71	60.38	59.38	66.59

File Description	Document
Details of annual expenditure for purchase of books/e-books and journals/e-journals during the last five years (Data Template)	View Document
Audited statements of accounts	View Document
Any additional information	View Document

4.2.4 Percentage per day usage of library by teachers and students (foot falls and login data for online access) during the latest completed academic year

Response: 5.47

4.2.4.1 Number of teachers and students using library per day over last one year

Response: 164

File Description	Document
Details of library usage by teachers and students	View Document
Any additional information	View Document

4.3 IT Infrastructure

4.3.1 Institution frequently updates its IT facilities including Wi-Fi

Response:

- IT policy is in practice to maintain a secure, legal and appropriate use of IT infrastructure for free flow of information and to maintain confidentiality and integrity. Access to information assets are created, managed, and regulated with the help of IT infrastructure.
- A skilled IT team consists of five technical personnel supported by three software developers and headed by Dean IT Services works to plan, develop, upgrade, and maintain IT infrastructure and related services

Salient features of IT policy:

- Institution makes available required IT infrastructure and services to all students and staff on 24x7.
- Regular Maintenance and up-gradation of systems in-line with their useful shelf-life and their obsolescence.
- Sufficient budget allocation to meet the current as well as future needs of ever growing digital systems and services.
- Maintaining a healthy Student-Computer ratio of 2:1 and reach 1:1 by end 2025.
- Efforts to be made to digitalize the curriculum and provide access to learning resources (at least 80%) through internet by end 2025.
- An MoU is made with “Green Waves Environmental Solutions” to Dispose e-waste and buy-back option with “RAM Engineering”.

IT Policy Implementation:

- 1500 network connections through LAN and 63 Wi-Fi access points are available.
- A total of 1254 computers are available in Laboratories, Research Centers, and Classrooms.
- Internet facility available with 700 Mbps bandwidth along with adequate back up facility.
- A firewall is installed to avoid misuse of internet facility and access to undesirable websites.
- All data related to examination system is on a separate LAN within the institute which can be accessed only by the employees of exam cell.
- To protect from threats Kaspersky antivirus is installed in front end office systems.

Budgetary provisions and utilization:

- On an average, an annual budget of Rs.40 Lakhs spent over last five years in development and up-gradation of IT Infrastructure.
- Institute has research computing facility worth of Rs. 25 lakhs is established with high end configuration computers to meet research requirements of various departments.
- Network monitoring is carried out continuously for entire Institute from the central server room.
- 700Mbps leased line 1:1 is hired for the institute from D-Vois communications Pvt. Ltd at the cost of Rs. 36 lakhs.

Expansion Plans (in the next five years):

- Augmenting the Learning Management System.

- Digital content management – expansion of internal and cloud storage.

File Description	Document
Upload any additional information	View Document
Paste link for additional information	View Document

4.3.2 Student - Computer ratio (Data for the latest completed academic year)

Response: 2:1

File Description	Document
Upload any additional information	View Document
Student – computer ratio	View Document

4.3.3 Bandwidth of internet connection in the Institution

Response: A. 750 MBPS

File Description	Document
Upload any additional Information	View Document
Details of available bandwidth of internet connection in the Institution	View Document

4.4 Maintenance of Campus Infrastructure

4.4.1 Average percentage of expenditure incurred on maintenance of infrastructure (physical and academic support facilities) excluding salary component during the last five years(INR in Lakhs)

Response: 32.43

4.4.1.1 Expenditure incurred on maintenance of infrastructure (physical facilities and academic support facilities) excluding salary component year-wise during the last five years (INR in lakhs)

2020-21	2019-20	2018-19	2017-18	2016-17
91.17658	115.3633	180.4684	217.4666	168.5332

File Description	Document
Upload any additional information	View Document
Details about assigned budget and expenditure on physical facilities and academic support facilities (Data Templates)	View Document
Audited statements of accounts	View Document

4.4.2 There are established systems and procedures for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc.

Response:

There is a team of Administrative staff and appropriate systems for effective and smooth maintenance of the sprawling and beautifully landscaped campus and its physical infrastructure.

The maintenance policy of Institute is:

- Classrooms, laboratories and other facilities maintained in clean and hygienic way.
- All laboratory equipment functional at all times.
- Power is available 24x7 with backup resources.
- Preventive maintenance adapted.
- Updating stock registers and utilization registers.
- Consumables are procured at least one week in advance.

Well defined systems and streamlined procedures are available for maintaining all existing facilities as per the above policy, through demarcated sections, which are supported by a dedicated team of more than 120 members. The institution allocates 10-15% of its budget towards maintenance works.

Procedures of maintenance and utilization:

Identifying problems:

- Concerned maintenance team conducts periodical checks of buildings to verify power supply, water, any deviations in structures like cracks, Spalling at edges, Swelling of concrete, Internal cracking etc., and refers to the concerned section.
- A team continuously checks furniture, power, blackboards, projectors and CC cameras.
- A Grievance and redressal cell to receive complaints through online portal from staff and students.

Periodic Maintenance:

- Maintenance of facilities/equipment on a regular basis is scrupulously executed by persons responsible.
- Obsolete Items are replaced.
- Regular maintenance of water tanks, rusting of iron in slabs etc.

Breakdown maintenance:

- Breakdown maintenance of any asset, facility and equipment, -whether or not under AMC or under preventive maintenance - is attended on priority basis.
- Maintenance of facilities such as water supply and storage, IT facilities, hostel facilities, motor vehicles etc. on breakdown are attended immediately.

Electrical maintenance:

A team of four electricians supervised by an in-charge maintains round the clock. The team takes care of issues related to transformer, electrical panels, DG set, UPS, Air Conditioning systems, solar power plant, and general power facilities.

IT infrastructure maintenance:

A group of System and Networking administrators headed by Dean IT services resolves issues related to computers, peripherals, LCD projectors, LAN, Wi-Fi connections, telephones etc.

- Dean IT services ensures proper maintenance of IT infrastructure and caters to growing user needs by procuring required resources from duly approved vendors.
- A schedule of monitoring and preventive maintenance is carried out for all the spares, tools, and equipment.

Classrooms and Lab Maintenance:

HoDs and lab in-charges of each department are responsible for maintenance of all equipment/facilities in classrooms and Labs of their departments.

- Periodic inspection of classroom facilities is carried out by HoD, Class Coordinator and Class Representative.
- Well trained Lab Technicians maintain the Lab equipment.
- Before commencement of class work, class in-charges and lab technicians inspect the functioning of computers, LCD projectors and PA systems and submit the status report to HoD.
- Minor issues identified by staff are registered on the complaint portal and resolved.
- Major repairs are referred to the vendors.
- Equipment is purchased by Institute Purchase Committee

Library Maintenance: -

Library staff comprises of a Librarian and 3 supporting staff. They are responsible for:

- Shelving and re-shelving
- Keeping books and materials with cleanliness in shelves and stack rooms
- Supervising the collection
- Conservation and preservation of materials including repairs and binding
- Stock taking and weeding
- Security of library material
- Periodic cleaning and pest control as per schedule

Furniture Maintenance:

- A team of five skilled personnel are part of the in-house workshop. The team looks after the overall and timely maintenance of all furniture in offices, classrooms, laboratories, hostels and library, along with maintenance of doors and windows of all buildings and also manufacture if required.

Sports Maintenance:

- The two Physical Directors are responsible for the maintenance of the sports and games equipment and allied facilities.
- The Sports Committee and Maintenance Staff procures requisite resources consumables, supporting equipment, gym machinery, grass cutting machines etc

Campus Maintenance Services

- Institute supervisor monitors all supporting staff and looks after campus beautification.
- The team ensures proper functioning of the sprinkler system, pruning and watering of plants, Bio-gas plant maintenance and looks after the overall maintenance of the lush green campus.
- The pedestrian pathways and roads are kept clean.

Utilization Policy and System

Optimum utilization is ensured for all facilities.

- A logbook is maintained in every laboratory and periodically checked by Lab in-charges and HoDs.
- The classrooms and labs are also used for Value Added Courses, Bridge Courses, CRT, Remedial Classes etc., and other competitive examinations after regular class hours.

Impact:

With more than adequate infrastructure, regular servicing and timely maintenance to upkeep with robust systems and procedures, Institute is successfully discharging all its activities in a smooth and orderly manner to the satisfaction of all its stakeholders.

File Description	Document
Upload any additional information	View Document
Paste link for additional information	View Document

Criterion 5 - Student Support and Progression

5.1 Student Support

5.1.1 Average percentage of students benefited by scholarships and freeships provided by the Government during last five years

Response: 53.37

5.1.1.1 Number of students benefited by scholarships and free ships provided by the institution, Government and non-government bodies, industries, individuals, philanthropists during the last five years (other than students receiving scholarships under the government schemes for reserved categories)

2020-21	2019-20	2018-19	2017-18	2016-17
1444	1369	1381	1397	1287

File Description

Document

upload self attested letter with the list of students sanctioned scholarship

[View Document](#)

Upload any additional information Average percentage of students benefited by scholarships and freeships provided by the Government during the last five years (Data Template)

[View Document](#)

5.1.2 Average percentage of students benefitted by scholarships, freeships etc. provided by the institution / non- government agencies during the last five years

Response: 42.16

5.1.2.1 Number of students benefited by scholarships and free ships provided by the institution, Government and non-government bodies, industries, individuals, philanthropists during the last five years (other than students receiving scholarships under the government schemes for reserved categories)

2020-21	2019-20	2018-19	2017-18	2016-17
1385	1167	966	972	965

File Description	Document
Upload any additional information	View Document
Number of students benefited by scholarships and freships institution / non- government agencies in last 5 years (Date Template)	View Document

5.1.3 Capacity building and skills enhancement initiatives taken by the institution include the following

1. Soft skills
2. Language and communication skills
3. Life skills (Yoga, physical fitness, health and hygiene)
4. ICT/computing skills

Response: A. All of the above

File Description	Document
Details of capability building and skills enhancement initiatives (Data Template)	View Document
Any additional information	View Document
Link to Institutional website	View Document

5.1.4 Average percentage of students benefitted by guidance for competitive examinations and career counselling offered by the Institution during the last five years

Response: 75.35

5.1.4.1 Number of students benefitted by guidance for competitive examinations and career counselling offered by the institution year wise during last five years

2020-21	2019-20	2018-19	2017-18	2016-17
1206	1612	2050	2406	2345

File Description	Document
Number of students benefited by guidance for competitive examinations and career counselling during the last five years	View Document
Any additional information	View Document

5.1.5 The Institution has a transparent mechanism for timely redressal of student grievances including sexual harassment and ragging cases

- 1. Implementation of guidelines of statutory/regulatory bodies**
- 2. Organisation wide awareness and undertakings on policies with zero tolerance**
- 3. Mechanisms for submission of online/offline students' grievances**
- 4. Timely redressal of the grievances through appropriate committees**

Response: B. 3 of the above

File Description	Document
Upload any additional information	View Document
Minutes of the meetings of student redressal committee, prevention of sexual harassment committee and Anti Ragging committee	View Document
Details of student grievances including sexual harassment and ragging cases	View Document

5.2 Student Progression

5.2.1 Average percentage of placement of outgoing students during the last five years

Response: 82.46

5.2.1.1 Number of outgoing students placed year - wise during the last five years.

2020-21	2019-20	2018-19	2017-18	2016-17
554	502	541	486	387

File Description	Document
Upload any additional information	View Document
Self attested list of students placed	View Document
Details of student placement during the last five years (Data Template)	View Document

5.2.2 Average percentage of students progressing to higher education during the last five years

Response: 56.66

5.2.2.1 Number of outgoing student progression to higher education during last five years

Response: 383

File Description	Document
Upload supporting data for student/alumni	View Document
Details of student progression to higher education (Data Template)	View Document
Any additional information	View Document

5.2.3 Average percentage of students qualifying in state/national/ international level examinations during the last five years (eg: IIT-JAM/CLAT/ NET/SLET/GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/State government examinations, etc.)

Response: 83.62

5.2.3.1 Number of students qualifying in state/ national/ international level examinations (eg: IIT/JAM/ NET/ SLET/ GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/ State government examinations, etc.)) year-wise during last five years

2020-21	2019-20	2018-19	2017-18	2016-17
59	76	91	30	18

5.2.3.2 Number of students appearing in state/ national/ international level examinations (eg: JAM/CLAT/NET/ SLET/ GATE/ GMAT/CAT,GRE/ TOFEL/ Civil Services/ State government examinations) year-wise during last five years

2020-21	2019-20	2018-19	2017-18	2016-17
65	88	95	41	25

File Description	Document
Upload supporting data for the same	View Document
Number of students qualifying in state/ national/ international level examinations during the last five years (Data Template)	View Document
Any additional information	View Document

5.3 Student Participation and Activities

5.3.1 Number of awards/medals won by students for outstanding performance in sports/cultural activities at inter-university/state/national / international level (award for a team event should be counted as one) during the last five years.

Response: 0

5.3.1.1 Number of awards/medals for outstanding performance in sports/cultural activities at university/state/national / international level (award for a team event should be counted as one) year-wise during the last five years.

2020-21	2019-20	2018-19	2017-18	2016-17
0	0	0	0	0

File Description	Document
Number of awards/medals for outstanding performance in sports/cultural activities at university/state/ national/international level during the last five year	View Document
e-copies of award letters and certificates	View Document
Any additional information	View Document

5.3.2 Institution facilitates students' representation and engagement in various administrative, co-curricular and extracurricular activities following duly established processes and norms (student council, students representation on various bodies)

Response:

The institution has avenues for active participation of students on academic and administrative committees. The senior students involve themselves in the teams which give orientation to the new comers every year. This makes the students to strengthen themselves in the following aspects:

- To sensitize students towards participative management and collaborative decision making.
- To inculcate self-management, leadership and discipline through co-curricular and extracurricular activities.
- To develop an appreciation towards concepts of fair play, healthy competition and good sportsmanship.
- To sensitize and create awareness among students to participate in Professional Societies/chapters and organize events.

- To encourage to participate in co-curricular and extracurricular activities

The Student committee helps the students to share ideas, interests, and concerns with the Principal, Deans, HoDs, faculty members, class representatives, and all the students. The student who has more integrity with other students of each section is nominated as Class Representative. In the institution there are number of committees to involve in different academic and administrative activities. Committees and their functionalities are listed as follows:

Grievance Redressal Committee: Any kind of grievance arising from the students are solved by this committee with utmost importance.

Women Protection Cell: Any kind of grievance arising from the girl students are solved by this committee with high priority.

SC/ST Welfare Committee: This committee focuses on welfare of SC/ST students from all departments.

Sports Committee: This committee finds the hidden talents in each and every student in all the departments and encourages them to participate in various sports events.

Canteen Committee: Any kind of grievance related to canteen food and canteen timings arising from the students will be looked after and solved by this committee. The committee is also keen in monitoring and inspecting the quality of the canteen food by frequent visits. It advices the canteen management to maintain hygienic conditions.

Library Committee: The Library Committee members meet often to discuss availability of books, periodicals, journals, and operational timings. This committee also gets the input from student members for new books/journals titles.

Hostel Committee: This committee consists of faculty, warden, and student members for sorting out the various issues related to hostel such as accommodation, quality of food, hygienic conditions and any other grievances.

Department Development Committee (DDC): This committee focuses on the student's academic performance and gives input related to academics, Co-curricular and extra-curricular activities.

National Service Scheme (NSS) Committee: NSS committee organizes various awareness camps such as blood donation camps, healthcare awareness camps in institute and rural areas, educate and bring awareness among rural people to maintain proper sanitation, go-green initiatives and Swachh Bharat, Swachh Bharat Abhiyan, etc.,

File Description	Document
Upload any additional information	View Document
Paste link for additional information	View Document

5.3.3 Average number of sports and cultural events/competitions in which students of the Institution participated during last five years (organised by the institution/other institutions)

Response: 18.4

5.3.3.1 Number of sports and cultural events/competitions in which students of the Institution participated year-wise during last five years

2020-21	2019-20	2018-19	2017-18	2016-17
1	21	26	21	23

File Description	Document
Upload any additional information	View Document
Report of the event	View Document
Number of sports and cultural events/competitions in which students of the Institution participated during last five years (organised by the institution/other institutions (Data Template)	View Document

5.4 Alumni Engagement

5.4.1 There is a registered Alumni Association that contributes significantly to the development of the institution through financial and/or other support services

Response:

Vignan Institute of Technology & Science alumni association is established on 18th January, 2005. Alumni are one of the stake holders of the institute and they contribute immensely to the institute in multiple dimensions. At present the alumni association has 2573 registered members. The institute alumni are supporting the institute academically and financially. The contributions of Alumni association are:

- Delivering guest lectures, seminars, and workshops in their respective domains. Alumni's talks provide more insights in introducing outcome based education in the Institute.
- More than five lakh Rupees was contributed towards the development of laboratories and awards to the students.
- Providing services to the students by identifying the industries where the alumni have been employed and getting associated with them to know about the opportunities for internships, industrial visits, Industry oriented projects and placements.
- Suggest to enhance, modernize and improve the existing infrastructure at the Institute as per requirement of industry and society with the help of the alumni members.
- Advise/assist the students in getting the admission in reputed universities in India as well as abroad.

- Institute alumni are providing mentoring services to the students during alumni meet. This has helped students to understand industry - institute gap. This enables the students to choose their career in the right path.
- IoT Lab is established in Electronics and Communication Engineering in association with Alumni.

The alumni association of the institute is the potpourri of achievers, entrepreneurs, professionals and bureaucrats catering to the society in various designations. It's been a regular practice in the institute to collect the feedback from the students, alumni and from the former faculty members. The alumni association has been looked after by a committee where the faculties from each department are nominated who are the alumni of the institute.

File Description	Document
Upload any additional information	View Document
Paste link for additional information	View Document

5.4.2 Alumni contribution during the last five years (INR in lakhs)

Response: A. ? 5 Lakhs

File Description	Document
Upload any additional information	View Document
Link for any additional information	View Document

Criterion 6 - Governance, Leadership and Management

6.1 Institutional Vision and Leadership

6.1.1 The governance of the institution is reflective of and in tune with the vision and mission of the institution

Response:

The main aim of the institute's vision is to produce internationally accepted, competitive professionals with emotional balance and social responsibility.

Academic activities to create internationally accepted professionals:

- Recruitment of well qualified aspirants with Ph.D./ P.G qualification from reputed institutions for faculty positions.
- Regular guest lectures from premier institutes, alumni and industry experts in emerging areas to bridge the gap between industry and academia.
- Imparting Computer Programming skills to make students industry ready.
- Internship for students to get Industrial exposure.
- Encouraging students for self-study through MOOCs and NPTEL courses.
- Systematic training for placements right from the first year.

Administrative measures to create internationally accepted professionals:

- Participative management from top to bottom.
- Involving industry experts in DDC to bridge gap between Industry and Academia.
- Collaboration with foreign academic institutions and industries.
- Collecting regular feedback from stakeholders for strengthening systems

Measures taken to develop socially conscious, psychologically strong and emotionally balanced professionals:

- Eminent personalities invited to instill ethical values among students
- Co-curricular and Extra-curricular activities such as Tarang, Innovative project expo are organized to promote team spirit and collaborative learning.
- Cultural activities are conducted on every third Saturday.
- National festivals observed to promote cultural awareness and respect for tradition.
- Peer-Mentoring system to promote helping attitude
- Extension / social activities undertaken to sensitize students on societal issues
- Students involved in extension activities in neighboring villages and funded projects with societal relevance.

Impact:

- Excellent placements, equipped with entrepreneurial skills resulted in transforming students into multi-faceted professionals and socially responsible citizens in tune with the Vision and Mission of Institute.
- Through such efforts the institution is able to transform even average students into successful professionals and getting placed with leading multinational companies.
- Students bagged university gold medals.

File Description	Document
Upload any additional information	View Document
Paste link for additional information	View Document

6.1.2 The effective leadership is visible in various institutional practices such as decentralization and participative management

Response:

Decentralized and participative style of management adapted for the smooth and orderly execution of all institutional activities. The institution has decentralized and having transparent mechanisms in management, administration, academics and financial matters. The governing body is the highest decision making authority which formulates rules and regulations, transfers powers and responsibilities to various committees involving Principal, Deans, HoDs, Industry experts, Employees, Educationists, Students and Alumni.

Weekly Meetings with Deans and HoDs:

Every Friday is earmarked for the weekly meeting, which is chaired by the Principal to deliberate on planning of major activities and resolving issues like:

- Dissemination of information for students and staff
- Academic calendar
- Regular and special class work and academic activities.
- Research activities (like publications, funded projects, organizing conferences, workshops, patent filing, consultancy works)
- Training and placement activities.
- Co-curricular & Extra-Curricular activities.
- All administrative activities including budget and expenditure.

Departmental Meetings:

Every week Head of the Departments conduct meetings with the entire faculty to take feedback on regular activities and take necessary actions.

Functioning of various institutional Committees:

Faculty and students actively involved in 26 committees.

- Discipline committee
- Canteen committee
- Sports committee
- Cultural committee
- Purchase committee
- DDC committee
- OBC Committee
- Minority committee
- SC and ST committee
- Anti Ragging committee
- Women Protection Cell
- Entrepreneurship Development Committee
- Academic Audit Committee
- Administrative Audit Committee
- Transport Committee
- Examination Committee
- Training and Placement Committee
- Library committee
- Grievance Redressal Committee
- IPR Committee
- R&D committee
- Admission committee
- NSS
- Industry Institute interaction committee
- Governing body committee
- Hostel Committee

All the layers of the organization, nominees from reputed organizations and faculty-student committees work together for upholding the principle of participative management. These coordinated efforts of all the stakeholders, result in a vibrant and stimulating campus culture and harmonious relationship among its members.

File Description	Document
Upload any additional information	View Document
Paste link for additional information	View Document

6.2 Strategy Development and Deployment

6.2.1 The institutional Strategic / Perspective plan is effectively deployed

Response:

The strategic plan of the Institute since 2016:

- Academic planning
 - Self-learning by students
- Placements
- Research and Development
 - Strengthening Research and Development through industry collaboration
 - Increase in number of publications and institutional H-index
- Faculty
 - Promoting continuous learning culture among faculty
- Infrastructure
 - Establishment of specialized Centres of Excellence and research with local relevance
 - Developing infrastructure for digital learning and environmental sustainability
- Work culture
- Improvement in automation and digitalization

Improvement of Placements for students (as one successfully implemented activity)

The institute has adapted the following strategic plan to improve the placements of the students:

1. In-House Campus Recruitment Training:

A passionate and devoted team has been recruited to provide continual support to the students in all aspects of training. The ***In House Training Team*** comprises the best corporate trainers, who can provide adequate emphasis on various fields required for placements.

The detailed training structure for each semester is as follows:

SEMESTER	TRAINING STREAM		NO OF
SEM 1&2	Technical Training on C, Soft Skills		
SEM 3& 4	Technical Training C++& Data Structures, Verbal Ability		
SEM 5&6	Technical Training on Python& DBMS, Logical Ability and Quantitative Aptitude		
SEM 7 & 8	Company Specific Training& Mock Interviews	Depending on Co	

1. Assessments:

The **Neo-Pat** online platform has been purchased in order to keep track of the students' progress on a regular basis. Students can take varied assessments and practice various topics related to placements whenever and wherever necessary.

1. Contests:

Intra-level competitions:

Vi-Code is a coding challenge designed by the training team to improve their coding skills. Year wise and branch wise challenges are held simultaneously.

Online Competitions:

Online competitions such as CodeJam, Codechef long challenges and Hackathons are conducted regularly. The students are encouraged to participate in these challenges to improve their competency to bag higher packages.

4. Personality Development Training:

Personality development training sessions have been conducted to foster the right attitude, confidence and manifest their hopes and aspirations.

5. Extensive focus on Core Jobs:

Placement Officer has been hired solely for core companies. This has resulted in a significant shift in the students' core placements.

Impact:

- 1.As students are accustomed to online coding contests, they are able to compete in international coding challenges. They have advanced to the pre- final round of the ACMICPC. Students bagged premium packages more than 20 Lakh per annum in reputed companies such as ServiceNow and Amazon due to the coding culture nurtured in the system.
- 2.As a result of extensive focus on core companies, there has been a significant increase in core placements. To date, core placements have been elevated from 1% to 25% of total placements during last few years
- 3.There is a significant shift in the number of students placed as a result of intensive company-specific training for the last few years. Majority of the students received multiple job offers in reputed MNCs. The continuous efforts of the training and placement team resulted gradual improvement in quantity and quality of the placements.

File Description	Document
Upload any additional information	View Document
strategic Plan and deployment documents on the website	View Document
Paste link for additional information	View Document

6.2.2 The functioning of the institutional bodies is effective and efficient as visible from policies, administrative setup, appointment, service rules and procedures, etc.

Response:

Organizational structure of the institution is headed by the management. The governing body is constituted as per the guidelines of competent authorities. As per the guidelines given by the management, academic & administrative departments are led by the Principal, Deans & HoDs. IQAC is chaired by the Principal to monitor the quality of education in the institution. The hierarchy of the organization is as follows:

1. Chairman 2. CEO 3. Principal 4. Deans 5. HoDs 6. Controller of Examination 7. IQAC 8. Various Committee Coordinators and 9. Faculty

The Principal is the Chief Academic Administrator who looks after both academic and administrative matters and acts as a bridge between the Management, Staff and Students. Principal appointed Deans to monitor and control the various administrative functions. The following are the Dean positions/designations identified for smooth functioning.

Dean Administration: Takes care of the institute's administration, finance, purchase and other works related to institute development.

Dean Academics: Monitors the smooth functioning of curriculum according to university academic calendar, certificate courses, and issues related to academics.

Dean Academic planning: Prepares institute academic calendar according to university academic calendar and monitors the smooth functioning of academics.

Dean Foreign affairs: Responsible for MoUs with foreign universities.

Dean IQAC: Works towards the quality improvement of the institute.

Dean Admissions: Takes care about institute admissions.

Dean Student Affairs: Deals with the welfare and grievances related to students.

Dean Alumni Affairs: Alumni association.

Dean IT Services: Monitors hardware and software related issues at the institute.

Dean Faculty Affairs: Monitors the welfare & grievances related to faculty members.

Dean Evaluation: Monitors the smooth functioning of examination section of the institute and acts as a Controller of Examination.

Dean R&D: Monitors the research related activities of the institute.

Dean Training and Corporate Relations: Takes care of campus recruitment training and corporate relations

Dean Placements: Look after all the placement activities

1. Recruitment policy:

Appointment of staff is done by the Selection Committee, after ascertaining the qualifications, interview, and demonstration lectures. Training, probation, and confirmation are generally followed for selected appointees. Teaching staff is recruited in accordance with AICTE/JNTUH norms. The recruitment of technical/non-teaching staff is as per the requirement & recruitment policy guidelines.

2. Promotional policies: Promotion to the faculty is given according to the rules of the parent University-JNTUH, Hyderabad, Government of Telangana and AICTE

3. Service Rules:

For the service rules, the College follows the rules and regulation laid down by university JNTUH, Hyderabad, Government of Telangana and AICTE with the approval by the Governing Body. The procedure of requirements, promotion policy, leave rules, etc. are explained in the service rules, The same is disseminated to all the faculty and staff. Printed books are made available to all the staff of the college.

File Description	Document
Upload any additional information	View Document
Link to Organogram of the Institution webpage	View Document
Paste link for additional information	View Document

6.2.3 Implementation of e-governance in areas of operation

1. Administration
2. Finance and Accounts
3. Student Admission and Support
4. Examination

Response: A. All of the above

File Description	Document
Screen shots of user interfaces	View Document
ERP (Enterprise Resource Planning) Document	View Document
Details of implementation of e-governance in areas of operation, Administration etc	View Document
Any additional information	View Document

6.3 Faculty Empowerment Strategies

6.3.1 The institution has effective welfare measures for teaching and non-teaching staff

Response:

Welfare measures for teaching and non-teaching staff

- Salary Advance- an amount of 2-3 times of monthly salary will be sanctioned on medical emergency/ marriage of their children
- 50% of Fee waiver for wards of teaching and non-teaching
- 15 days paid leave for marriage.
- 3 months paid Maternity leave for eligible lady staff
- 50% Subsidized transport for teaching staff
- Free transport for non teaching staff
- Group Health Insurance worth of Rs.2,00,000/-coverage
- Employee Provident Fund for all staff & ESI facility for staff with low income.
- Emergency Health Center for staff and students
- Academic leave for the faculty presenting papers at conferences, attending workshops, Ph.D purpose, etc
- Facilitates 15 days of medical leave during emergency
- CCL if the faculty works on Sundays or any government declared holidays
- Travel expenses, registration fee for teaching & non teaching staff to attend conferences, workshops
- Provides incentives to faculty members for publishing papers at national/international conferences/ journals, publishing books, awards etc
- Additional monthly allowance for staff doing additional administrative responsibilities
- Allowance of Rs.3000 per month to HoDs of various departments and Deans.

File Description	Document
Upload any additional information	View Document
Paste link for additional information	View Document

6.3.2 Average percentage of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies during the last five years

Response: 103.05

6.3.2.1 Number of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies year wise during the last five years

2020-21	2019-20	2018-19	2017-18	2016-17
218	216	195	214	193

File Description	Document
Upload any additional information	View Document
Details of teachers provided with financial support to attend conference, workshops etc during the last five years	View Document

6.3.3 Average number of professional development /administrative training programs organized by the institution for teaching and non teaching staff during the last five years

Response: 4.2

6.3.3.1 Total number of professional development /administrative training Programmes organized by the institution for teaching and non teaching staff year-wise during the last five years

2020-21	2019-20	2018-19	2017-18	2016-17
3	4	5	4	5

File Description	Document
Upload any additional information	View Document
Reports of the Human Resource Development Centres (UGC ASC or other relevant centres)	View Document
Reports of Academic Staff College or similar centers	View Document
Details of professional development / administrative training Programmes organized by the University for teaching and non teaching staff	View Document

6.3.4 Average percentage of teachers undergoing online/ face-to-face Faculty Development Programmes (FDP)during the last five years (Professional Development Programmes, Orientation / Induction Programmes, Refresher Course, Short Term Course).

Response: 100

6.3.4.1 Total number of teachers attending professional development Programmes viz., Orientation /

Induction Programme, Refresher Course, Short Term Course year-wise during the last five years

2020-21	2019-20	2018-19	2017-18	2016-17
219	204	193	212	179

File Description	Document
Upload any additional information	View Document
Reports of the Human Resource Development Centres (UGC ASC or other relevant centers)	View Document
IQAC report summary	View Document
Details of teachers attending professional development programmes during the last five years	View Document

6.3.5 Institutions Performance Appraisal System for teaching and non-teaching staff

Response:

A well-defined internal appraisal system is adapted for identifying and rewarding good performers among teaching and non-teaching staff. A committee has been formed to look after the performance appraisal system.

Performance appraisal system

Performance Assessment of Teaching Staff:

Teaching Faculty who completed one year of service assessed on their performance, for a total of 50 marks

- 25 marks for academics (Result, counseling and feedback from students),
- 10 marks for publications
- 5 marks for certification courses
- 10 marks for HoD peer feedback

Classification of faculty based on assessment:

Category A : 45? Marks ?50

Category B : 40? Marks ?45

Category C : 30? Marks ?40

Category D : < 30

The factors considered for rating include Individual Discipline: Individual discipline of the faculty in terms of maintaining office time, fulfilling all the activities on time, conducting classes as per the planned schedule and quality are tracked and rewarded during the performance appraisal. The tracking of aspects such as maintaining office time is automated through the Central Information System (CIS) being connected to the biometric system.

Performance Assessment of Non-Teaching Staff:

Performance appraisal of non-teaching staff is based upon Annual Confidential Report (ACR). Performance assessment of the non-teaching staff member is based upon evaluation by Dean Administration and head of the concerned employee. The Principal evaluates the ACR as well as takes into account the informal feedback received from students regarding their satisfaction with the working of the employee. The feedback is either received directly by the Principal through personal interaction. Such feedback becomes instrumental in taking decisions regarding promotions or transfer of non-teaching members from one department to another.

File Description	Document
Upload any additional information	View Document
Paste link for additional information	View Document

6.4 Financial Management and Resource Mobilization

6.4.1 Institution conducts internal and external financial audits regularly

Response:

The Institution has a robust financial audit mechanism and conducts regular internal and external financial audits. There is a full staffed finance department with administrative setup, functioning with strict adherence prescribed by accounting standards. Both the internal and external audits are supervised by a certified Chartered Accountant, who routinely audits the Institute's accounts in compliance with statutory provisions.

External Audit:

The ICAI certified audit firm M/s. Punnaiah & Co., Guntur is the external Chartered Accountant which audits the financial statements and submits annual financial reports. The auditors visit the Institute once every six months and carry out audits of account statements prepared by the Finance team of Institute. Any observations made by the team are duly rectified. At the end of every financial year, they certify the final accounts of the institution such as Income and Expenditure Statement, Balance Sheet and schedules forming part of the Balance Sheet.

The institution has not received any objections or clarifications from the Income Tax department since its

inception which shows the transparency of process followed.

Internal Audit:

Internal Auditor of the Vignan group, audit the transactions and all books of accounts of the institution continuously and prepare monthly audit reports. Their reports are submitted to the Principal through Dean Administration of the institution. All observations made are duly taken cognizance of and remedial measures adapted.

The mechanisms for settling audit observations

- Minor corrections in book keeping are settled by the finance department during the audit process to the satisfaction of auditors.
- Observations of auditors on minor issues like settlement of advances are resolved by the Dean Administration before the next internal audit by acquiring the required bills.
- Any major observations of the auditors are brought to the notice of Principal through Dean Administration.
- Any concessions in the unforeseen circumstances like COVID-19 are done by the approval of management.

Impact :

There are no serious observations by the auditors in the last five years and all audit reports are available. The following good practices of the institute underlie the clean audit reports.

- All the transactions are transparent. The payments above Rs.10000 are in cheque mode facilitating cashless transactions and verification.
- No diversion of funds to the Trust or any other person/ agencies.
- The institution follows accounting procedures as per guidelines of ICAI.
- The Tax Deduction at Source (TDS) deducted by finance office as per provisions of Income Tax Act.
- Powers of disbursement are made transparent. The delegation of powers depends on the position and hierarchy with proper autonomy and monitoring system.

6.4.2 Funds / Grants received from non-government bodies, individuals, philanthropers during the last five years (not covered in Criterion III)

Response: 0

6.4.2.1 Total Grants received from non-government bodies, individuals, Philanthropers year wise during the last five years (INR in Lakhs)

2020-21	2019-20	2018-19	2017-18	2016-17
0	0	0	0	0

File Description	Document
Details of Funds / Grants received from of the non-government bodies, individuals, Philanthropers during the last five years	View Document
Any additional information	View Document
Annual statements of accounts	View Document

6.4.3 Institutional strategies for mobilisation of funds and the optimal utilisation of resources

Response:

Admissions fee and tuition fee from students are the main source of funds for the Institute. Additional funds from Government and other funding agencies such as DST, DBT etc., are obtained for research. The average expenditure per student mostly matches with average fee per student.

Financial resource mobilization policy:

- Domestic student fee: Fee is collected from students before commencement of every semester and scholarships for eligible students from Government of Telangana.
- Conferences and workshops: A planned budget approved by Principal ensures smooth conduction of conferences and workshops.
- Research grants: Research proposals are submitted to Government agencies like DST, AICTE, DRDO, MNRE etc. The funds received on approval of projects are spent as per the approved project report. Research incentives of approximately 15% of the value of the project from the institute funds are given as incentive to the Principal Investigator.
- Funds through Sponsorships: Institution seeks out philanthropists and industrialists to seek funds for establishing new laboratories and centres. Sponsorship is one of the sources of funding to augment institute funds for conduct of youth festivals.

Overall expenditure:

The major heads of expenditure are as follows

- 60 % salaries
- 10% for R&D
- 10 % for student scholarships
- 15 - 20% for other recurring expenditure expenses
- Surplus 5 -10% utilized for augmenting infrastructure

Strategies for optimal resource utilization/ expenditure:

- Preventive maintenance by in-house personnel and through AMCs to avoid costly break down of equipment.
- Group health insurance and accident coverage for all staff and students
- 'Make or buy' decisions to optimize cost and revenue spent on furniture, electricity, Software etc.

- Purchases through tendering system to obtain competitive prices.
- Capital budgeting to optimize long term research objectives with establishment of Centre of Excellence and laboratories.
- Emphasis on public relations to optimize brand equity and reduce expenditure on publicity.

Impact:

With the above strategies of mobilization of funds and optimum utilization of resources, the institute is substantially growing in all fronts without compromising on quality.

File Description	Document
Upload any additional information	View Document

6.5 Internal Quality Assurance System

6.5.1 Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing the quality assurance strategies and processes

Response:

Institute applied for NAAC accreditation process under cycle-1. As per the mandate, IQAC should be established after cycle-1 accreditation. However, IQAC cell voluntarily started in 2016 for sustenance of quality and its enhancement. IQAC of the Institution is committed to enhance the quality in academics and administrative domains to meet the standards of institution. IQAC strategies are institutionalized for quality achievement, substances, and enhancement and so as to keep in pace with the expectations of stakeholders like students, parents, industry and society. IQAC has mechanisms for ensuring implementation of all the policies, review and evaluation. The IQAC has been constituted in-line with the guidelines.

Strategic Practices institutionalized by IQAC are as follows:

- Academic planning
 - Self-learning by students
- Placements
- Research and Development
 - Strengthening Research and Development through industry collaboration
 - Improvement of publications and institutional H-index
- Faculty
 - Promoting continuous learning culture among faculty
- Infrastructure
 - Creation of specialized Centres of Excellence and research with local relevance
 - Developing infrastructure for digital learning and environmental sustainability
- Improvement in automation and digitalization

PRACTICE - 1:

Academic and Administrative Audit:

IQAC has institutionalized the annual conduct and follow-up of Academic and Administrative Audit at internal and external level:

- The Heads of Departments submit self-assessment reports of academic performance of their departments in Proforma designed by IQAC.
- Academic Flexibility, teaching learning and evaluation, infrastructure available with the department, faculty profile, student profile, learning outcomes are the quality parameters considered in audit.
- The audit is conducted by an audit team constituted by IQAC comprising Dean Academics, Dean Evaluation, Dean Academic planning, Dean R&D. Audit report Analysis of the department along with suggestions is presented to and discussed with the Chairperson of IQAC.
- Report is communicated to faculty through the concern HoD. It is pertinent to mention here that the internal academic audit is first conducted by IQAC and subsequently by external audit committee ISO.

This process has brought substantive improvement in academic performance of various departments.

PRACTICE - 2:

Alumni Guest Lectures:

Institution has planned and organized the guest lectures by prominent alumni as advised by IQAC for quality assurance. In this regard each department has arranged alumni guest lectures to the students. This process enabled the students to interact and build rapport with the alumni and got the peer advice regarding the work culture in companies where they are working. Seventy Three guest lectures have been conducted from 2017-21 in all departments put together. An effective feedback system is adapted for continuous assessment and improvement of the quality of alumni guest lectures. Interaction between students and alumni has given a ray of hope to the career opportunities, internships in their respective companies.

While interacting with IQAC, HoD and faculty of the department, the alumni expressed opinions for further improvement in quality of training process for placements. These suggestions are shared with the placement cell for improvement in the placements. This is apart from regular seminars and webinars delivered by resource persons from industry or reputed Academic institutions.

File Description	Document
Upload any additional information	View Document
Paste link for additional information	View Document

6.5.2 The institution reviews its teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals through IQAC set up as per norms and recorded the incremental improvement in various activities (For first cycle - Incremental improvements made for the preceding five years with regard to quality For second and subsequent cycles - Incremental

improvements made for the preceding five years with regard to quality and post accreditation quality initiatives)

Response:

Institute has well planned teaching learning process and has robust methodology for rolling out the process. At the same time there is well-planned structure, as per the Guidelines of IQAC, to review the Teaching Learning Process. There are various teaching learning Processes like Subject Allocation, Preparation of Academic Administration Plan, Student mentoring etc. Once the activities are rolled out, their progress is monitored as per the type of activity. The outcomes are analyzed and discussed with concerned faculty for further improvements.

Online Certification Course:

IQAC understands the importance of the opportunities to explore new areas of interest – which are not possible in regular college environment so that the students were encouraged to enroll NPTEL, Coursera, CISCO, Servicenow and Oxford Achiever Certification courses with the objective of enabling students obtain certificates for courses is to make them employable in the industry or pursue a suitable higher education programme. Through an online portal, 4, 8, or 12 week online courses, typically on topics relevant to students in all years of higher education along with basic core courses in sciences and humanities with exposure to relevant tools and technologies, are being offered. The enrolment to and learning from these courses involves no cost. Following these online courses, an in-person, proctored certification exam will be conducted and a certificate is provided through the participating institutions and industry, when applicable.

- Enables the student to directly engage and learn from the eminent person in that particular subject. This strengthens the basic skills of the students in the respective course.
- It also gives students the opportunity to learn in greater depth the subjects they wish to master. 90% students completed more than two certification courses. Since these courses are serving as Faculty Development Programmes, 70% of faculty completed the courses with good credits.
- These courses also bring out the self-learning initiative of the students – where their own motivation drives them to complete the course and not external compulsions. This fosters the habit of keeping oneself updated always by means of self-learning.
- The certificates issued by the renowned national institutes bear the stamp of CCE, IIT and hence they add value to the students when applying for jobs.

Improvement in PLACEMENTS for CORE BRANCHES:

IQAC has advised Training & Placement cell and the departments to improve the placements in core companies for the branches of Mechanical, Electrical and Electronics, Civil and Electronics and Instrumentation Engineering by improving the technical competency and Communication skills of students. The respective departments and Training & Placement cell have adapted the following strategic plan in consultation with IQAC to improve the core placements.

- To understand the student technical competency, communication and behavioral traits a psychometric analysis is done along with one to one technical interview.
- To strengthen the fundamentals of the core subjects in each department, special classes are arranged with identified senior faculty of the respective departments based on the requirements of the

companies visiting for the recruitment.

File Description	Document
Upload any additional information	View Document
Paste link for additional information	View Document

6.5.3 Quality assurance initiatives of the institution include:

- 1.Regular meeting of Internal Quality Assurance Cell (IQAC); Feedback collected, analysed and used for improvements**
- 2.Collaborative quality initiatives with other institution(s)**
- 3.Participation in NIRF**
- 4.any other quality audit recognized by state, national or international agencies (ISO Certification, NBA)**

Response: A. All of the above

File Description	Document
Upload e-copies of the accreditations and certifications	View Document
Upload details of Quality assurance initiatives of the institution	View Document
Upload any additional information	View Document
Paste web link of Annual reports of Institution	View Document

Criterion 7 - Institutional Values and Best Practices

7.1 Institutional Values and Social Responsibilities

7.1.1 Measures initiated by the Institution for the promotion of gender equity during the last five years.

Response:

a) Safety and Security: The Institute has a special Women Protection Cell which takes care of all issues related to girl students and female staff members. This cell specially focuses on safety of the women and their issues.

Certain practices in the institution towards the safety and security are:

The institute has separate hostel facility for boys and girls with surveillance system. Training on 'Self-defense Techniques' for girls is a regular practice in the institution. Faculty members observe the students while travelling by college bus in order to avoid inconvenience to girl students. This eventually creates a friendly ambience among juniors and seniors across all genders thus avoiding the possibility of ragging and other issues. Dispensary is provided to meet health emergencies. The institute has the facility of Green Disposal Sanitary Napkin Incinerator for the convenience of girl students. The college is under the surveillance of CCTV cameras so that the authorities can keep an eye to avoid any indisciplinary activities. The institute shown its magnanimity by providing fee waiver or concession based on their excellence in academics or student belonging to low income category in order to encourage them in reaching greater heights of success in their career. Whenever cultural and technical events are conducted, the institution takes help from the local Police and SHE teams to provide security to girl students.

In addition, form mobile squads with faculty members to ensure further safety. Car pooling is a common practice at the time of events in the institution. On such occasions, all girl students and lady faculty members are dropped at their houses. Foot patrolling is intensified in the campus to ensure wide range of safety and security at the time of events.

b) Counseling: An effective online student counseling system is in practice as one of the best practices. The student data is updated in the college website. It is organized by the respective Heads of the Departments, class coordinators and counselors. A counseling session is provided to students along with sports and library slots. In addition, the institution also hired a practicing psychologist services as a professional counselor, who is expert in conducting psychological tests and providing guidance, training & counseling. Students are counseled in personal hygiene, dress code, academic performance, attendance and good habits. The individual counseling report of each student is shared with their parents. Sensitive issues related to girls are dealt under women protection cell and necessary actions initiated if necessary. The most desired output of student counseling is to reduce stress, inferiority, anxiety and also to imbibe moral values, positive attitude, improving academic performance and discipline.

c) Common Rooms: The Institute has spacious and well-ventilated common rooms with basic amenities separately for boys and girls to take rest in case of any illness.

d) Day Care Center: Institute established a Day Care Centre for faculty members' young children. An in-charge looks after them and takes care of their needs.

File Description	Document
Link for specific facilities provided for women in terms of: a. Safety and security b. Counselling c. Common Rooms d. Day care center for young children e. Any other relevant information	View Document
Link for annual gender sensitization action plan	View Document

7.1.2 The Institution has facilities for alternate sources of energy and energy conservation measures

1. Solar energy
2. Biogas plant
3. Wheeling to the Grid
4. Sensor-based energy conservation
5. Use of LED bulbs/ power efficient equipment

Response: A. 4 or All of the above

File Description	Document
Geotagged Photographs	View Document
Any other relevant information	View Document
Any other relevant information	View Document

7.1.3 Describe the facilities in the Institution for the management of the following types of degradable and non-degradable waste (within 500 words)

- Solid waste management
- Liquid waste management
- Biomedical waste management
- E-waste management
- Waste recycling system
- Hazardous chemicals and radioactive waste management

Response:

Institute is situated in a hilly area located at the outskirts of Hyderabad, thus the campus is free from pollution. Nevertheless, the college puts its efforts to reduce, re-use and recycle the waste before its disposal in an eco-friendly manner as per the guidelines of waste management practices. Our estimate of solid and e-waste generation is approximately one ton per month in the campus. The following steps are taken to tackle the waste.

1. Solid Waste Management: Waste is collected and segregated in bins of two different colors every day.

The waste is segregated into a recyclable and bio-degradable waste. The dry and wet waste is collected separately. The dry waste is collected in blue coloured bins and the wet waste is collected in green coloured bins. These bins are provided by the recyclers. The institution has a practice of preparing compost from the organic waste which is derived from the trees and plants in the surroundings. The vegetable peels, food waste and waste from fruits are disposed in Biogas Digester.

The damaged, wooden and metal furniture like chairs and tables are repaired and brought to re-usable condition to the maximum extent in the maintenance department of the institution.

b) Liquid waste management: The waste water generated from the reverse osmosis (RO) process is about 1500 liters per day which is directed to an overhead tank. It is used for meeting the partial requirement of water in washrooms. The waste water from the sinks and bathrooms on all the floors of the building is connected through pipes which are directed to water harvesting pit situated by the side of the main building. Eco-friendly floor cleaners are being used for cleaning purpose which consumes less water.

c) E-waste management: E-waste includes out dated computers, electronic components which are handed over to an authorized e-waste collector “Greenwaves Environmental Solutions” for proper disposal. Some of the electrical and electronic components are collected and reutilized in projects. The waste material that could not be used for any constructive purpose is given away to an authorized recycler. The solar panels with hot spots are sent back to the authorized vendor and the new panels are procured.

d) Bio waste management: Incinerators are installed in every washroom. The ash is collected and used as manure

File Description	Document
Any other relevant information	View Document
Link for Geotagged photographs of the facilities	View Document
Link for Relevant documents like agreements/MoUs with Government and other approved agencies	View Document

7.1.4 Water conservation facilities available in the Institution:

1. Rain water harvesting
2. Borewell /Open well recharge
3. Construction of tanks and bunds
4. Waste water recycling
5. Maintenance of water bodies and distribution system in the campus

Response: A. Any 4 or all of the above

File Description	Document
Geotagged photographs / videos of the facilities	View Document
Any other relevant information	View Document
Link for any other relevant information	View Document

7.1.5 Green campus initiatives include:

- 1.Restricted entry of automobiles**
- 2.Use of Bicycles/ Battery powered vehicles**
- 3.Pedestrian Friendly pathways**
- 4.Ban on use of Plastic**
- 5.landscaping with trees and plants**

Response: Any 4 or All of the above

File Description	Document
Various policy documents / decisions circulated for implementation	View Document
Geotagged photos / videos of the facilities	View Document
Any other relevant documents	View Document
Link for any other relevant information	View Document

7.1.6 Quality audits on environment and energy are regularly undertaken by the Institution and any awards received for such green campus initiatives:

- 1.Green audit**
- 2.Energy audit**
- 3.Environment audit**
- 4.Clean and green campus recognitions / awards**
- 5.Beyond the campus environmental promotion activities**

Response: A. Any 4 or all of the above

File Description	Document
Reports on environment and energy audits submitted by the auditing agency	View Document
Certification by the auditing agency	View Document
Certificates of the awards received	View Document
Any other relevant information	View Document
Link for any other relevant information	View Document

7.1.7 The Institution has disabled-friendly, barrier free environment

1. Built environment with ramps/lifts for easy access to classrooms.
2. Divyangjan friendly washrooms
3. Signage including tactile path, lights, display boards and signposts
4. Assistive technology and facilities for Divyangjan accessible website, screen-reading software, mechanized equipment
5. Provision for enquiry and information : Human assistance, reader, scribe, soft copies of reading material, screen reading

Response: A. Any 4 or all of the above

File Description	Document
Policy documents and information brochures on the support to be provided	View Document
Geotagged photographs / videos of the facilities	View Document
Details of the Software procured for providing the assistance	View Document
Any other relevant information	View Document
Link for any other relevant information	View Document

7.1.8 Describe the Institutional efforts/initiatives in providing an inclusive environment i.e., tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic and other diversities (within 500 words).

Response:

The institution firmly believes in the need for celebrating the sense of patriotism, ethics, human values, sense of responsibility, etc., in coordination with students and faculty members. Every year, the institution conducts several activities on the days of national festivals and other important days to commemorate the birth/death anniversaries of the great Indian personalities.

- Institute celebrates Independence Day, Republic Day, Gandhi Jayanthi, Dr. Ambedkar Jayanthi, Constitutional Day, National Youth Day, National Unity Day and Engineers Day every year. These programs create a feeling of patriotism among the people and remind the responsibilities towards our country and supreme sacrifices made by the great freedom fighters.
- The College also organizes activities for linguistic harmony like ‘Telugu Language Day’, ‘Hindi Diwas’ etc. Literary Events where essay writing competition, poem recitation, dialogue-delivery, role-plays are conducted in different languages – English, Hindi and Telugu. The Cultural Club Conducts Singing and dancing competitions in different languages.
- Institute organized awareness program to encourage the students and faculty members on usage of clay Ganesha idols to save environment. Clay Ganesh idols were distributed to students and staff at free of cost. Bathukamma Festival - the Festival of flowers is organized in the institute to showcase Telangana culture. Rangoli, Kite flying competition, ethnic wear competition are organized on the eve of Pongal- the Harvest festival. Various other religious festivals are celebrated in the campus such as Eid, Diwali, Christmas etc.
- Institute hosted Communal Socioeconomic and Cultural Diversity programs such as TEDx which help the students to get global exposure and be the better speakers of the society on global concerned issues.
- Women Protection Cell of the institute addresses the problems associated with the girl students and organizes various activities for safe-guarding SHE issues. The cell also educates about the Gender sensitivity issues and also addresses about the roles, opportunities and measures for both the boys and girls.

File Description	Document
Link for supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	View Document
Link for any other relevant information	View Document

7.1.9 Sensitization of students and employees of the Institution to the constitutional obligations: values, rights, duties and responsibilities of citizens (within 500 words).

Response:

The institute organizes appropriate activities to increase consciousness towards national identities and symbols, Fundamental Duties and Rights of Indian citizens and other constitutional obligations. Boards are displayed in the campus about the National importance.

The different programs organized by the institute are:

- Anti-Terrorism Day
- NSS Day
- Awareness on responsibility of Citizen towards National building
- Human values and professional ethics for community
- National Peace Day

- Constitutional Day
- Awareness on Road Safety Helmet
- Awareness on Government Schemes, etc.,

Celebration of National days: Republic day, independence days are celebrated to sensitize students on constitutional obligations like rights, duties etc., and to develop nationalism. 150th birth anniversary of Mahatma Gandhi organized on different themes- Communal Harmony, Eradication of un-touchability, experiments with Truth.

Constitutional Day: The institute celebrated the National Constitutional day on 26th Nov, 2019. The celebration marks the pledge to uphold the values of India as a sovereign, socialist, secular, democratic republic, and to secure the economic and political liberty of thought, expression, belief, faith and worship, equality of status.

Awareness on Road Safety Helmet: Awareness session on Safe Driving, usage of helmet and legal implications of rash driving is organized during Road Safety Week.

Sensitization among Faculty:

- On plagiarism in publications
- Respect for women
- Developing religious and communal harmony.

Awareness on Government Schemes: Awareness programmes initiated by the Government are educated by the NSS unit in the neighboring rural areas regarding the different welfare schemes of both the state and central government.

Impact:

- Employees and students aware of values, rights and duties, and equality provisioned in constitution.
- Students encouraged to take part in NSS, outreach and extension activities in neighboring villages.
- Gandhi Jayanthi organizing for fostering Gandhian Values among staff and students.
- Increased awareness among students and staff to wear helmets and safe driving.

File Description	Document
Link for details of activities that inculcate values necessary to render students in to responsible citizens	View Document
Link for any other relevant information	View Document

7.1.10 The Institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts periodic programmes in this regard.

1. The Code of Conduct is displayed on the website
2. There is a committee to monitor adherence to the Code of Conduct
3. Institution organizes professional ethics programmes for students, teachers, administrators and other staff
4. Annual awareness programmes on Code of Conduct are organized

Response: A. All of the above

File Description	Document
Details of the monitoring committee composition and minutes of the committee meeting number of programmes organized reports on the various programs etc in support of the claims	View Document
Code of ethics policy document	View Document
Any other relevant information	View Document

7.1.11 Institution celebrates / organizes national and international commemorative days, events and festivals (within 500 words).

Response:

The institution organizes national and international commemorative days, events and festivals to promote a spirit of patriotic fervour and nationalism among students and faculty. Institute NSS unit organises national days such as Republic Day, Independence Day, Gandhi Jayanthi, Teachers Day, and Engineers' Day etc., and festivals of all faiths. Elocution, Essay Writing, Quiz, Debating and Patriotic song competitions are conducted for students.

Birth anniversaries of eminent freedom fighters, social reformers and great Indian personalities are observed to commemorate their selfless-service and sacrifices. Community Service such as Swacha Bharat, Haritha Haram - tree plantation, Eye checkup camp, Organ Donation awareness, Cancer Awareness run, Awareness on Covid-19, etc., are taken up on these occasions.

International Women's Day is celebrated on 8th March every year to create awareness and educate student community on the challenges faced by women. Renowned personalities are invited and felicitated for their remarkable contribution to the women's cause.

International Yoga Day is conducted on 21st June to spread awareness on benefits of yoga. Bearing in mind the current pandemic, Institute organized Online Yoga classes through Zoom and their family members. Benefits of Yoga like – Boosting of immunity, relieving stress and anxiety, weight loss, Boosting cardio-vascular system etc., are explained.

Environment Day is celebrated every year on 5th June to instil ecological consciousness and responsible conduct among individuals, enterprises, and communities in preserving/conserving of the environment. These Days are celebrated with the annual themes as the focus in the activities.

Earth Day is celebrated on 22nd April to raise awareness among students about climate change and global

warming. The day inspires to act towards the protection of the environment and focus on the need for conservation. Earth Day is recognised as the largest civic event in the world.

National Science day and Mathematics day are commemorated on 28th February, and 22nd December every year respectively with an objective to propagate science and its application to the students by inviting eminent scientists and industrialists to discuss all the issues and implement new technologies for the development in the field of science. The birthday of famous mathematician Shri. Srinivasa Ramanujam is organized every year as Mathematics Day. All activities, efforts, and achievements in the field of science for human welfare are displayed in the campus.

Festivals :

Institution celebrates all cultural festivals like Pongal, Dussehra, Christmas, and Ramzan by involving all faculty and students. The themes and significance of these festivals are explained to nurture cultural value in students.

Impact:

The above celebrations and festivals promote national pride, cultural values, scientific temper, and religious harmony among students.

File Description	Document
Link for any other relevant information	View Document
Link for Annual report of the celebrations and commemorative events for the last five years	View Document
Link for Geotagged photographs of some of the events	View Document

7.2 Best Practices

7.2.1 Describe two best practices successfully implemented by the Institution as per NAAC format provided in the Manual.

Response:

Best Practice -1

1. Title: Creating Research Environment in the Institution

Creating the research eco-system in the institution will greatly improve the knowledge. The research environment in institute is improved in the last five years through creation of additional resources, proper utilization of the research facilities, increasing activities in the emerging areas, and overall research focus of the faculty.

2. Objectives of the Practice

- To inculcate research culture both institutional and individual are set a clear research goal
- To devote substantial resources on promotion of research through faculty training and support.
- To create an innovative ecosystem for the fellows available research that includes the student participation.
- Drive to explore, understand, and follow one's own ideas, and to advance and contribute to society through innovation, discovery, and creative works.
- To improve the focus of the faculty on research activities progressively on par with teaching learning processes.
- Recruited retired Scientists from defense research organizations as adjunct faculty to support the research activities in the institution.
- To improve the publications and execution of sponsored projects is in an optimum away.

3. Context

Create an inclusive ecosystem with established frameworks for the success of the whole team, ensuring that everyone has what they need to be their most innovative and effective researcher. Professional development opportunities are routinely and proactively offered to members to assure their continued growth and vitality.

Institute had active research and development activities in the past. However it was observed that the faculty concentrates more on teaching learning and less on research activity, partly because of non-availability of facilities and partly because of difficult nature of work. The career growth opportunities were considered as oriented more towards academic contributions as research contributions.

In this context it became essential to improve the research eco-system in the Institute through :

- Reorganize and remove the constraints in existing facilities.
- Create new research laboratories and centers of excellences in the emerging areas.
- Create a focused faculty group to concentrate on research.
- Incentives for the research activities like publications, execution of projects, innovations, startup activities.
- To encourage organization of value added courses, guest lectures, and conferences and seminars to incubate ideas and debate on the research work of various experts.

4. The Practice

Research emphasis: Research has greater or equal priority than other goals. Research is part and parcel of an institute and a faculty.

Research Culture: faculty members are bonded by shared, research-related values and practices, have a safe home for testing new ideas

To create Positive group climate: The climate is characterized by high morale, a spirit of innovation, dedication to work, receptivity to new ideas, frequent interaction, high degree of cooperation, low member turnover, good leader/member relationships, and open discussion of disagreements

Mentoring: Beginning and midlevel members are assisted by and collaborate with senior faculty and retired scientists.

Communication with professional: faculty members have a vibrant network of colleagues with whom they have frequent and substantive (not merely social) research communication, both impromptu and formal, in and outside of the institution.

Rewards: Research is rewarded equitably and in accordance with defined benchmarks of achievement; potential rewards include money, promotion, recognition, and new responsibilities.

Institute supports:

- Faculty Training and Support Programs
 - Mentoring programs
 - Continuing education courses
 - Grant/writing support and
 - Research funding
- Encouragement of Faculty Collaboration
 - Sponsoring faculty participation in conferences
 - Hosting conferences and symposia
 - Establishing institutional relationships with professional associations, and government bodies.
- Balanced Teaching and Research Responsibilities
 - Developing a culture of research within a teaching-focused unit will likely entail reducing teacher course loads to give faculty more time for scholarly productivity

Creation of new facilities and Improvement of existing facilities :

- A Mechanics of Solids/ Strength of Materials lab with UTM 20 Ton loading is created for advanced studies in Tensile and Compressive test of specimen.
- Computer Aided Design laboratory is established for creating designs for 3D printing.
- Vertical machine center for drilling, milling, forming, friction stir welding.
- Composite laboratory established to fabricate composites.
- Robotics research laboratory is created in association with e-yantra, IIT Bombay, to create awareness on robotic applications for the students and faculty.
- DST-FIST funded - LabView software with add on boards for simulations and creating designs.
- IoT lab with Arduino, Raspberry pi, Wyzbee boards procured for faculty and students research purpose.
- IBM center of excellence for learning new software technologies.
- Cisco research lab for learning advanced technologies.
- Dspace-Microlab Box of worth 16 Lakhs purchased for Matlab Interface with real systems.
- Energy management protocol software purchased.
- High end computing systems are provided in place of existing facilities.
- Online Journal subscriptions are available and remote access is provided.
- Hardcopies of journals in thrust areas are available for the faculty in Library.
- UPS facility provided for all computing labs.
- Wi-fi speed enhanced from 100 Mbps to 700 Mbps
- Given provision to the faculty to use the existing facilities at VFSTR deemed to be university

- Plagiarism software is provided.
- A biogas plant established in the campus with a capacity of producing 10 Kg of Bio Gas per day by using 100kg of food waste from hostel and canteens.

The creation of the above research facilities increased the research activities of all the departments. Faculty is really energized to bring in their new research ideas as they observed that the institute is ready to invest in the facilities.

Academic Flexible Approach:

- The faculty who are actively involved in the research are allotted research targets, and their academic load is reduced.
- The adjunct faculty act as research mentors.
- Qualified faculty are encouraged to apply as Research supervisors in various universities.
- Faculty pursuing Ph.D are given academic leaves for attending course work, review meeting and presenting papers in conferences.
- Academic leaves are given for attending workshops in their research areas.
- Digital resources, required consumables and computing facilities are provided to the faculty.

The above actions resulted in increase of publications and increased submission of project proposals.

Incentives for research activities:

- Cash incentive of Rs.10,000 for every paper published in peer reviewed SCI / Scopus (unpaid) journals.
- Cash incentives of Rs.5,000 for publishing book chapters / books.
- Financial support given to the faculty members to attend national / international conferences / workshops / membership of professional bodies.
- Financial support given for filing patents by the faculty.
- Seed money is provided to the faculty and students to develop their ideas into pre-project level. They prepare project report for submission to funding agencies based on their work

All the above incentives encouraged many faculty members and students to carryout their research activities and to publish good quality papers.

Organization of Research Events:

- To promote research culture among the students series of workshops are being organized in all the departments.
- To provide a platform to research field engineers in working on various application areas are being grouped together by conducting national / international conferences.
- To introduce the latest trend in research to the students and the faculty was conducted through guest lectures, Seminars, Webinars from reputed persons from R&D organizations across India.
- Financial supports are provided to the research events that are organized in the institution.

5. Evidence of Success

- This resulted in increase of H-index from 5 to 18 during 2016-21.

- Projects worth Rs. 350 Lakh from various agencies MNRE, DST, AICTE, DRDO, IEEE, etc.
- Consultancy projects of worth Rs. 50 Lakh received from private and government sectors
- Obtained DST, FIST fund of worth Rs. 30 Lakh.
- Bagged NIRF ranking (201-250)
- 25 faculty obtained Ph.D and 53 faculty registered for PhD during 2016-21.
- The number of publications per faculty per year on average increased from 2.43 to 4.91.
- Total number of publications in last 5 assessment years is 1647.

Year	2020-2021	2019-2020	2017-2018	2016-2017	2015-2016
Journals	115	547	228	138	92
Conference	132	137	62	82	54

- 21 Indian patents were filed from the institute, and 20 are published.

Overall the research eco-system in institute is improved by all the above measures which will be sound foundation for future research activities.

6. Problems Encountered and Resources Required

Hiring/retaining Faculty of excellence both in Research quality/production including conventional/innovative teaching in the institution is a challenging task.

Faculty motivation and ability: To implement research cultural change, strategic plan was developed by the administrators to tailor solutions to faculty members to gain motivations and abilities.

Decrease in teaching resources is a one of the major challenges faced while in creating a research culture is to preserve a unit's effectiveness in other areas, particularly teaching, as the dedication of additional resources to supporting research may decrease those available to support teaching.

Best Practice 2

1. Title: Innovative Projects Implementation and its Impacts:

2. Objectives of the Practice:

- To equip students with the skills required to meet the industry requirements by effective content delivery methods that foster outcome-based education
- To give students hands-on experience in core technical areas and allied fields to complement the theoretical subject knowledge learnt in the classroom.
- To familiarize them with machines, tools, software and other equipment in their field of interest and thus define their future career path
- To achieve well-defined institutional program outcomes, program-wise educational objectives & specific outcomes and also course-wise outcomes defined by the affiliated university

3. The context:

In the present competitive world of technical education, it certainly requires to prepare students to meet the desired outcomes. In the past few years, teaching-learning processes have witnessed a shift from knowledge-based to skill-based and need-based education. The institute has a deep conviction in improving the students' skills to groom industry-ready in all aspects.

Institute has been implementing the practice of outcome-based education since the academic year 2013-14. The program outcomes are practiced under the guidance of experts and also as per the norms of the statutory bodies while considering current societal and industry expectations.

The mapping of CO-PO is carried out to find out the gaps in the curriculum. The gaps are identified in the mapping process.

4. The Practice: One of the gaps evident from the mapping process is lack of opportunity to conduct course-wise projects. To bridge this gap to an extent, the institute has decided to encourage students in the right direction by conducting semester-wise ‘Innovative Projects’. A teacher is assigned to a group of students to mentor their project work. This unique practice involves sophomore to final year students and thus gives them a platform to technical skills, ethics, communication, team work, project management, financial management and lifelong learning. Students explore new ideas and prepare innovative projects and enthusiastic to display them on the day of the Expo.

The total number of Innovative projects - Year wise

Year	2020-2021	2019-2020	2018-2019	2017-2018
Innovative Projects	326	388	383	296

For example, the CO-PO attainment levels of the course namely “**Web Technologies**” are initially at a low level. The attainment level of the Web Technology course has changed from low to high level after conducting Innovative projects and Expo.

S.No.	Web Technologies - Course Outcomes
304.1	Gain knowledge on client-side scripting, validation of forms and AJAX programming
304.2	Understand Server-Side Scripting with PHP language
304.3	Understand what is XML? and how to parse and use XML Data with Java.
304.4	To introduce Server-side programming with Java Servlets and JSP
305.5	Able to develop web based applications

Mapping Level framed/ targeted by HoD and faculty

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
C304.1	3	3	3	2	2	3	2	1	1	1
C304.2	3	3	3	2	2	3	1	2	2	1
C304.3	3	3	3	2	3	3	1	2	2	1
C304.4	3	3	3	2	3	3	1	2	3	3
C304.5	3	3	3	2	3	3	2	2	3	3
Average	3	3	3	2	2.6	3	1.6	1.8	2.2	1.8

Attainment Obtained before Implementation of Innovative Projects and Expo

Programme outcomes	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10

C304	2	2.5	2	1	1.2	2	0.8	0.8	1	1
------	---	-----	---	---	-----	---	-----	-----	---	---

Attainment Obtained after Implementation of Innovative Projects and Expo

Programme outcomes	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9
C304	2.5	2.5	2.7	1.5	2.2	2.5	1.3	1.4	2

1. Evidence of success:

- The practice resulted in internships from companies to students as they gained experimental and practical exposure by working on innovative projects.
- This experience augmented to their theoretical knowledge motivated to work mini and major projects on recent technologies in the final year.
- The students could also prove themselves well in placements by bagging opportunities in core companies.
- Published Research papers
- The students worked on inter-disciplinary projects which exposed them to gain knowledge in multi-disciplinary areas.
- CO attainment levels are calculated every semester and in the recent past there is a marked improvement from low and moderate to moderate and high levels.

6. Problems encountered and resources required:

- It has been observed that training is to be imparted for newly recruited faculty members till they get used to this practice.
- Lack of technical support at lower level.
- Tie-ups and MoUs with industry
- Lack of advanced labs in 2017-18

File Description	Document
Link for Best practices in the Institutional web site	View Document
Link for any other relevant information	View Document

7.3 Institutional Distinctiveness

7.3.1 Portray the performance of the Institution in one area distinctive to its priority and thrust

within 1000 words

Response:

Context:

Astounding and unprecedented performance of the Institute have proven with the academic excellence and placements. It is evident with University Gold Medals and Lucrative Packages.

Institute aims to provide the quality education, training and placements to all the students. It has been observed that there is a wide spectra of students join the Institute from different layers of socioeconomic families out of them approximately 60% of the students belong to socially and economically backward communities. It has been observed that majority of them lack in Technical competency, English communication skills and Interpersonal skills.

To resolve the above issues, the institute has designed a variety of programs to encourage and empower students in all aspects with a special focus on socially and economically backward communities. These students have been provided extra attention with the appropriate resources, to uplift their socio economic conditions.

The Practice:

To address these concerns, the institute follows the techniques outlined below into action:

Step 1: Campus Recruitment Training:

As one's success has ripple impact on his or her family the Campus Recruitment Training (CRT) program has been introduced from first year onwards. The In-house CRT team designed and developed different modules as per the current industry needs.

The detailed training structure for each semester is as follows:

SEMESTER	TRAINING STREAM	NO OF
SEM 1&2	Technical Training on C, Soft Skills	8
SEM 3& 4	Technical Training C++& Data Structures, Verbal Ability	8
SEM 5&6	Technical Training on Python& DBMS, Logical Ability and Quantitative Aptitude	8
SEM 7 & 8	Company Specific Training& Mock Interviews	Depending on Co

The team conducts an induction program to the first year students on employability etiquette, and opportunities in different streams of engineering. Students are given access to a variety of well-designed and structured modules covering all of the topics necessary for placements.

The institute executes the training plan after recognizing the core competencies of the students and consistently tracks the students' performance to ensure improvement through assessment tests. These evaluation tests assist students in identifying not only their areas of strength but also their areas of development, allowing them to work on these specific areas in order to improve further.

Step 2: Enhancement of Communication and confidence

As communication skills and attitude of the young professionals play a vital role in employment and survival, building self-confidence and improving communication skills are one of the highest priorities of the Institute. To impart the above, students are offered “Oxford Achiever” – a 36 Modules English course to enhance their communication abilities. The programme is the product of a Memorandum of Understanding (MoU) with Oxford Achiever, which provides certificate of merit to the students who clear all the modules. This certification course is aligned to Common European Frame work of Reference (CEFR) for languages. This will help students in placements and higher education in abroad.

Step 3: Development of Inter- Personal Skills

Personality development programmes are carried out to help students develop their interpersonal skills to assist employment, to foster the right attitude, and to actualize their hopes and aspirations. Team building, Group Discussion, Leadership activities and Role plays, are few of the activities carried out throughout the year.

The Institution's counseling and mentoring system enable students in overcoming their individual challenges, to compete with others. Each faculty member is assigned approximately 15-20 students to focus on and counsel. These counselors examine the students' academic success as well as any social or family difficulties that may affect their academic progress. They devise, advice, and implement corrective actions to build resilience in all areas.

Step5: Alumni Guest Lectures:

Institute invites seasoned alumni who have a fascinating track record in companies frequently, to conduct guest lectures on their area of expertise. These alumni give students a real-life insights about industries.

Step 6: Innovative Projects:

Innovative projects is the distinctive feature of the institute. It provides hands-on learning environment and also catered creative space for innovation. Students carryout four innovative projects in all semesters of 2nd and 3rd years of their course. This practice enriches their knowledge on recent technologies. It acts as a right platform to nurture and cultivate interpersonal skills, team building, leadership skills, empathy, knowledge sharing and assertiveness. As they play prominent role in selection process, enhance their employability.

Step 7: Scholarships for the students

Besides the government's standard scholarships, Institute also offers scholarships and fee concessions to students of socially and economically backward communities who are in need and identified.

Around 30% to 40% of students receive scholarship every year from the Institute.

Step 8: Cocurricular and Extracurricular activities

The students are encouraged to participate in cultural and literary activities like TED talks, Tarang and other social activities organised by Arts club and IEEE-SB which help in the development of leadership

skills of the students.

Step 9: Development of social consciousness

The Institute's ethos strives to treat every parent and student equally, irrespective of their socio economic background. The same culture is followed right from admission to the Convocation.

Every year, the institution hosts a parent felicitation during Graduation Day ceremony to instil the culture and pride in the parents.

IMPACT:

Institute is successful in uplifting thousands of students from socially and economically backward families, by implementing the aforementioned steps. Many students being placed in reputed MNCs and other companies has resulted in families becoming economically stable and are ever grateful to the Institution. Thousands of people have testified about how Institute has helped them and their families transform their social and economic standing. This will always be Institutes pride and success story.

- During the last five years on an average 75% of students belong to socially and economically weaker section are placed in reputed organizations.
- Ms.Divya Patnam (18891A05F5) Department of CSE got placed in AMAZON with 20Lakhs Package.
- Ms.K VishnuPriya (17891A1048) bagged JNTUH Gold medal for Best outgoing student of B.Tech. Electronics and Instrumentation Engineering for the academic year 2020-21.
- Mr.Cheruku Saikumar (17891A0315) bagged JNTUH Gold medal for Best outgoing student of B.Tech. Mechanical Engineering for the academic year 2020-21.

File Description	Document
Link for appropriate web in the Institutional website	View Document
Link for any other relevant information	View Document

5. CONCLUSION

Additional Information :

- Programs Accredited by National Board of Accreditation (NBA)
- One among Five Engineering Colleges in Telangana to receive DST-FIST grant from Government of India in 2018.
- Vignan Institute of Technology and Science Ranked in the Band 201-250 by NIRF, MHRD, Government of India in 2020 & 2021
- The institution has been certified with ISO 9001:2015 Certification.
- Established 4 centres of Excellences in the Department of ECE, CSE incollaboration with IIT Bombay, Redpine Signals and IBM and FIST.
- Only Institute in Telangana to receive funding from IEEE SIGHT/HAC special call for Covid-19 proposal among Region 8 (Africa, Europe, Middle East), Region 9 (Latin America) and Region 10 (Asia and Pacific).
- Ranked 95 among all India Pvt. Engineering colleges in India, Ranked 6th among all Pvt. Engineering colleges in Telangana, Best College Category survey by India Today MDRA survey 2021
- Ranked 55 among Pvt and Government Engineering Colleges in India, Ranked 5th among Pvt. And government colleges in Telangana, Ranked 44th among Pvt. Engineering colleges in India, Ranked 3rd among Pvt. Engineering Colleges in Telangana, Best College Category survey by Data Quest survey 2021
- Ranked 27th among out standing engineering colleges of Excellence Best College Category by GHRDC CSR Engineering Ranking survey 2021
- Rank 71st among top 175 engineering institutions in India, Ranked 8th Among, Top engineering colleges in Telangana, Ranked 26th among top Engineering Institutions in Placements in India, Ranked 2nd among top Engineering Institutions in Placements in Telangana, Best College Category by Times Engineering Ranking survey 2020
- Rank 56th among top 200 engineering institutions in India, Ranked 10th Among, Top engineering colleges in Telangana
- Ranked 21st among top Engineering Institutions in Placements in India, Ranked 2nd among top Engineering Institutions in Placements in Telangana, Ranked 7th among Research Institute In Telangana, Best College Category, Times Engineering Ranking survey -2020 & 2021
- Eight Students Received University Gold Medals from JNTUH, Hyderabad towards Academic Excellence

Concluding Remarks :

Astounding and unprecedented performance of the Institute have proven with the academic excellence and placements. The Institute has been implementing effective teaching learning practices using ICT enabled tools. This is due to the enormous increase in the IT infrastructure. Institute recruited faculty from the reputed institutions to improve the academic standards and to prevail the research culture. Curriculum gaps are identified and bridged through unique programs like alumni guest lectures and innovative projects. It lead to the continuous academic excellence and resulted in bagging the gold medals from the affiliated university.

In order to encourage the research, incentives have been provided to the faculty for publications. As a result H-index of the Institute increased from 5 to 18 during the last 5 assessment years. One of the performance

indicator of the Institute is obtaining the research fund Rs.4.05 crores from various government and other funding agencies.

With the help of dedicated in-house training team, Campus recruitment training is offered to students from first year to final year. The quality and quantity of placements has been raised during the last 5 years registering an average 83 % placements with a highest package being Rs 20 lakhs per annum. The significant feature of the placement is uplifting thousands of students from socially and economically backward families.

Institute NSS unit organized the programs to promote the social consciousness and environmental awareness. The Institute adapted a strategic planning for its overall development and resulted in achievements like: NIRF India ranking 201-250 band in engineering stream in last two successive years, ISO 9001:2015, Consistently ranked among the top 100 engineering colleges by the leading survey agencies like India Today, The Week, Outlook, etc.,

NAAC

6.ANNEXURE

1.Metrics Level Deviations

Metric ID	Sub Questions and Answers before and after DVV Verification																				
1.1.3	<p>Teachers of the Institution participate in following activities related to curriculum development and assessment of the affiliating University and/are represented on the following academic bodies during the last five years</p> <ol style="list-style-type: none">1. Academic council/BoS of Affiliating university2. Setting of question papers for UG/PG programs3. Design and Development of Curriculum for Add on/ certificate/ Diploma Courses4. Assessment /evaluation process of the affiliating University <p>Answer before DVV Verification : A. All of the above Answer After DVV Verification: A. All of the above Remark : Input edited as per given documents provided by HEI</p>																				
1.2.1	<p>Percentage of Programmes in which Choice Based Credit System (CBCS)/ elective course system has been implemented</p> <p>1.2.1.1. Number of Programmes in which CBCS / Elective course system implemented. Answer before DVV Verification : 12 Answer after DVV Verification: 12</p>																				
1.2.2	<p>Number of Add on /Certificate programs offered during the last five years</p> <p>1.2.2.1. How many Add on /Certificate programs are offered within the last 5 years. Answer before DVV Verification:</p> <table border="1"><thead><tr><th>2020-21</th><th>2019-20</th><th>2018-19</th><th>2017-18</th><th>2016-17</th></tr></thead><tbody><tr><td>32</td><td>29</td><td>17</td><td>30</td><td>29</td></tr></tbody></table> <p>Answer After DVV Verification :</p> <table border="1"><thead><tr><th>2020-21</th><th>2019-20</th><th>2018-19</th><th>2017-18</th><th>2016-17</th></tr></thead><tbody><tr><td>26</td><td>25</td><td>11</td><td>25</td><td>25</td></tr></tbody></table> <p>Remark : Excluded courses such as Aptitude Training, Verbal Communication Basics, Engineering mechanics etc.</p>	2020-21	2019-20	2018-19	2017-18	2016-17	32	29	17	30	29	2020-21	2019-20	2018-19	2017-18	2016-17	26	25	11	25	25
2020-21	2019-20	2018-19	2017-18	2016-17																	
32	29	17	30	29																	
2020-21	2019-20	2018-19	2017-18	2016-17																	
26	25	11	25	25																	
1.2.3	<p>Average percentage of students enrolled in Certificate/ Add-on programs as against the total number of students during the last five years</p> <p>1.2.3.1. Number of students enrolled in subject related Certificate or Add-on programs year wise during last five years Answer before DVV Verification:</p> <table border="1"><thead><tr><th></th><th></th><th></th><th></th><th></th></tr></thead><tbody><tr><td></td><td></td><td></td><td></td><td></td></tr></tbody></table>																				

2020-21	2019-20	2018-19	2017-18	2016-17
2747	2538	2263	2286	2155

Answer After DVV Verification :

2020-21	2019-20	2018-19	2017-18	2016-17
2464	2294	2294	2367	2328

1.3.2 Average percentage of courses that include experiential learning through project work/field work/internship during last five years

1.3.2.1. Number of courses that include experiential learning through project work/field work/internship year-wise during last five years

Answer before DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
358	330	362	353	386

Answer After DVV Verification :

2020-21	2019-20	2018-19	2017-18	2016-17
24	18	18	14	22

Remark : Mini projects and major projects are considered as per the syllabus of University and edited accordingly.

1.3.3 Percentage of students undertaking project work/field work/ internships (Data for the latest completed academic year)

1.3.3.1. Number of students undertaking project work/field work / internships

Answer before DVV Verification : 2548

Answer after DVV Verification: 1490

Remark : Final year & 3rd year students are considered under this metric.

1.4.2 Feedback process of the Institution may be classified as follows:

Options:

1. Feedback collected, analysed and action taken and feedback available on website
2. Feedback collected, analysed and action has been taken
3. Feedback collected and analysed
4. Feedback collected
5. Feedback not collected

Answer before DVV Verification : A. Feedback collected, analysed and action taken and

feedback available on website

Answer After DVV Verification: A. Feedback collected, analysed and action taken and feedback available on website

2.1.1 Average Enrolment percentage (Average of last five years)

2.1.1.1. Number of students admitted year-wise during last five years

Answer before DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
803	737	754	763	718

Answer After DVV Verification :

2020-21	2019-20	2018-19	2017-18	2016-17
803	724	754	763	718

2.1.1.2. Number of sanctioned seats year wise during last five years

Answer before DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
834	756	774	738	810

Answer After DVV Verification :

2020-21	2019-20	2018-19	2017-18	2016-17
834	756	774	738	0810

Remark : Input is considered as per the sanctioned intake based on JNTUH approved letter. For the input 2.1.1.1 metric referred clarification document and edited accordingly.

2.1.2 Average percentage of seats filled against reserved categories (SC, ST, OBC, Divyangjan, etc. as per applicable reservation policy) during the last five years (exclusive of supernumerary seats)

2.1.2.1. Number of actual students admitted from the reserved categories year-wise during the last five years

Answer before DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
381	387	387	369	384

Answer After DVV Verification :

2020-21	2019-20	2018-19	2017-18	2016-17
381	378	387	369	384

Remark : Input edited as per the list of student and 2.2 metric.

2.3.3	<p>Ratio of students to mentor for academic and other related issues (Data for the latest completed academic year)</p> <p>2.3.3.1. Number of mentors Answer before DVV Verification : 242 Answer after DVV Verification: 219</p> <p>Remark : Observation accepted, edited accordingly.</p>																				
2.4.2	<p>Average percentage of full time teachers with Ph. D. / D.M. / M.Ch. / D.N.B Superspeciality / D.Sc. / D.Litt. during the last five years (consider only highest degree for count)</p> <p>2.4.2.1. Number of full time teachers with <i>Ph. D. / D.M. / M.Ch. / D.N.B Superspeciality / D.Sc. / D.Litt.</i> year wise during the last five years</p> <p>Answer before DVV Verification:</p> <table border="1" data-bbox="308 748 1046 882"> <tr> <td>2020-21</td> <td>2019-20</td> <td>2018-19</td> <td>2017-18</td> <td>2016-17</td> </tr> <tr> <td>54</td> <td>58</td> <td>41</td> <td>37</td> <td>34</td> </tr> </table> <p>Answer After DVV Verification :</p> <table border="1" data-bbox="308 963 1046 1097"> <tr> <td>2020-21</td> <td>2019-20</td> <td>2018-19</td> <td>2017-18</td> <td>2016-17</td> </tr> <tr> <td>49</td> <td>53</td> <td>40</td> <td>29</td> <td>28</td> </tr> </table> <p>Remark : Observation not accepted, because HEI has attached the provisional Ph. D. certificate hence the input remains unchanged.</p>	2020-21	2019-20	2018-19	2017-18	2016-17	54	58	41	37	34	2020-21	2019-20	2018-19	2017-18	2016-17	49	53	40	29	28
2020-21	2019-20	2018-19	2017-18	2016-17																	
54	58	41	37	34																	
2020-21	2019-20	2018-19	2017-18	2016-17																	
49	53	40	29	28																	
2.4.3	<p>Average teaching experience of full time teachers in the same institution (Data for the latest completed academic year in number of years)</p> <p>2.4.3.1. Total experience of full-time teachers Answer before DVV Verification : 1321.13 Answer after DVV Verification: 1273.43</p> <p>Remark : Observation accepted, edited accordingly.</p>																				
3.1.2	<p>Percentage of teachers recognized as research guides (latest completed academic year)</p> <p>3.1.2.1. Number of teachers recognized as research guides Answer before DVV Verification : 5 Answer after DVV Verification: 05</p> <p>Remark : As per the clarification dialog box 3.1.2 is opt out metric.</p>																				
3.1.3	<p>Percentage of departments having Research projects funded by government and non government agencies during the last five years</p>																				

3.1.3.1. Number of departments having Research projects funded by government and non-government agencies during the last five years

Answer before DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
4	7	5	7	6

Answer After DVV Verification :

2020-21	2019-20	2018-19	2017-18	2016-17
0	2	0	6	4

3.1.3.2. Number of departments offering academic programmes

Answer before DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
8	8	7	7	7

Answer After DVV Verification :

2020-21	2019-20	2018-19	2017-18	2016-17
8	8	7	7	7

Remark : Input edited w.r.t metric 3.1.1

3.2.2 Number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship during the last five years

3.2.2.1. Total number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship year-wise during last five years

Answer before DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
46	45	29	29	24

Answer After DVV Verification :

2020-21	2019-20	2018-19	2017-18	2016-17
36	45	29	29	24

Remark : 1) Input edited w.r.t clarification document. 2) Considered workshop/seminars conducted on research methodology.

3.3.1 Number of Ph.Ds registered per eligible teacher during the last five years

3.3.1.1. How many Ph.Ds registered per eligible teacher within last five years

Answer before DVV Verification : 20

Answer after DVV Verification: 15

3.3.1.2. Number of teachers recognized as guides during the last five years

Answer before DVV Verification : 06

Answer after DVV Verification: 05

Remark : Input edited as per the document provided in clarification.

3.3.2 Number of research papers per teachers in the Journals notified on UGC website during the last five years

3.3.2.1. Number of research papers in the Journals notified on UGC website during the last five years.

Answer before DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
115	547	228	138	92

Answer After DVV Verification :

2020-21	2019-20	2018-19	2017-18	2016-17
113	474	178	134	90

Remark : 1) Input edited as per the link provided by the HEI. 2) Link provided in google drive is not considered. 3) UGC, springer, Scopus, IEEE etc. journals are considered only.

3.3.3 Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during last five years

3.3.3.1. Total number of books and chapters in edited volumes/books published and papers in national/ international conference proceedings year-wise during last five years

Answer before DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
132	197	62	82	54

Answer After DVV Verification :

2020-21	2019-20	2018-19	2017-18	2016-17
65	123	5	22	15

Remark : Input edited as per the ISBN number provided by the HEI.

3.4.2 Number of awards and recognitions received for extension activities from government/ government recognised bodies during the last five years

3.4.2.1. Total number of awards and recognition received for extension activities from Government/ Government recognised bodies year-wise during the last five years.

Answer before DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
20	18	17	9	11

Answer After DVV Verification :

2020-21	2019-20	2018-19	2017-18	2016-17
24	18	17	9	11

3.4.3 Number of extension and outreach programs conducted by the institution through NSS/NCC, Government and Government recognised bodies during the last five years

3.4.3.1. Number of extension and outreach Programmes conducted in collaboration with industry, community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., year-wise during the last five years

Answer before DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
10	39	40	54	48

Answer After DVV Verification :

2020-21	2019-20	2018-19	2017-18	2016-17
1	32	37	48	41

Remark : observation accepted, and input edited as per given observation by excluding the activities

3.4.4 Average percentage of students participating in extension activities at 3.4.3. above during last five years

3.4.4.1. Total number of Students participating in extension activities conducted in collaboration with industry, community and Non- Government Organizations such as Swachh Bharat, AIDs awareness, Gender issue etc. year-wise during last five years

Answer before DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
2172	2214	2238	2543	2423

Answer After DVV Verification :

2020-21	2019-20	2018-19	2017-18	2016-17

121	400	2238	780	2423
-----	-----	------	-----	------

Remark : Input edited as per given list excluding events

3.5.1 Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship per year

3.5.1.1. Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship year-wise during the last five years

Answer before DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
64	90	93	83	56

Answer After DVV Verification :

2020-21	2019-20	2018-19	2017-18	2016-17
0	0	0	0	0

Remark : Observation accepted e-copies not provided by HEI

4.1.3 Percentage of classrooms and seminar halls with ICT- enabled facilities such as smart class, LMS, etc. (Data for the latest completed academic year)

4.1.3.1. Number of classrooms and seminar halls with ICT facilities

Answer before DVV Verification : 66

Answer after DVV Verification: 66

4.1.4 Average percentage of expenditure, excluding salary for infrastructure augmentation during last five years(INR in Lakhs)

4.1.4.1. Expenditure for infrastructure augmentation, excluding salary year-wise during last five years (INR in lakhs)

Answer before DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
122.63	137.33	154.12	389.26	250.16

Answer After DVV Verification :

2020-21	2019-20	2018-19	2017-18	2016-17
101.28	95.87122	92.39276	236.15	170.52

Remark : Observation accepted, Input edited accordingly

4.2.2 The institution has subscription for the following e-resources

1. e-journals
2. e-ShodhSindhu
3. Shodhganga Membership
4. e-books
5. Databases
6. Remote access to e-resources

Answer before DVV Verification : A. Any 4 or more of the above

Answer After DVV Verification: A. Any 4 or more of the above

Remark : Observation accepted, Input edited accordingly

4.2.3 Average annual expenditure for purchase of books/e-books and subscription to journals/e-journals during the last five years (INR in Lakhs)

4.2.3.1. Annual expenditure of purchase of books/e-books and subscription to journals/e-journals year wise during last five years (INR in Lakhs)

Answer before DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
21.40	26.57	26.51	26.98	38.76

Answer After DVV Verification :

2020-21	2019-20	2018-19	2017-18	2016-17
56.75	60.71	60.38	59.38	66.59

Remark : Observation accepted, Input edited accordingly.

4.2.4 Percentage per day usage of library by teachers and students (foot falls and login data for online access) during the latest completed academic year

4.2.4.1. Number of teachers and students using library per day over last one year

Answer before DVV Verification : 1388

Answer after DVV Verification: 164

Remark : Observation accepted, Input edited accordingly.

4.4.1 Average percentage of expenditure incurred on maintenance of infrastructure (physical and academic support facilities) excluding salary component during the last five years(INR in Lakhs)

4.4.1.1. Expenditure incurred on maintenance of infrastructure (physical facilities and academic support facilities) excluding salary component year-wise during the last five years (INR in lakhs)

Answer before DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17

94.98	123.33	193.20	228.87	168.65
-------	--------	--------	--------	--------

Answer After DVV Verification :

2020-21	2019-20	2018-19	2017-18	2016-17
91.17658	115.3633	180.4684	217.4666	168.5332

Remark : 1)Observation accepted, Input edited by considering the highlighted assets and well as printing stationary and electricity 2)Subcription, seminar and workshop, waste management expenses, not consider

5.1.1 Average percentage of students benefitted by scholarships and freships provided by the Government during last five years

5.1.1.1. Number of students benefitted by scholarships and free ships provided by the institution, Government and non-government bodies, industries, individuals, philanthropists during the last five years (other than students receiving scholarships under the government schemes for reserved categories)

Answer before DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
1440	1369	1380	1323	1220

Answer After DVV Verification :

2020-21	2019-20	2018-19	2017-18	2016-17
1444	1369	1381	1397	1287

Remark : Input edited as per the clarification document provided by the HEI.

5.1.2 Average percentage of students benefitted by scholarships, freships etc. provided by the institution / non- government agencies during the last five years

5.1.2.1. Number of students benefitted by scholarships and free ships provided by the institution, Government and non-government bodies, industries, individuals, philanthropists during the last five years (other than students receiving scholarships under the government schemes for reserved categories)

Answer before DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
1059	956	956	963	938

Answer After DVV Verification :

2020-21	2019-20	2018-19	2017-18	2016-17
1385	1167	966	972	965

Remark : Observation accepted, Input edited accordingly.

5.1.4 Average percentage of students benefitted by guidance for competitive examinations and career counselling offered by the Institution during the last five years

5.1.4.1. Number of students benefitted by guidance for competitive examinations and career counselling offered by the institution year wise during last five years

Answer before DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
2599	2398	2310	2406	2345

Answer After DVV Verification :

2020-21	2019-20	2018-19	2017-18	2016-17
1206	1612	2050	2406	2345

Remark : Observation accepted, Input edited accordingly.

5.1.5 The Institution has a transparent mechanism for timely redressal of student grievances including sexual harassment and ragging cases

- 1. Implementation of guidelines of statutory/regulatory bodies**
- 2. Organisation wide awareness and undertakings on policies with zero tolerance**
- 3. Mechanisms for submission of online/offline students' grievances**
- 4. Timely redressal of the grievances through appropriate committees**

Answer before DVV Verification : A. All of the above

Answer After DVV Verification: B. 3 of the above

Remark : Observation accepted

5.2.3 Average percentage of students qualifying in state/national/ international level examinations during the last five years (eg: IIT-JAM/CLAT/ NET/SLET/GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/State government examinations, etc.)

5.2.3.1. Number of students qualifying in state/ national/ international level examinations (eg: IIT/JAM/ NET/ SLET/ GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/ State government examinations, etc.) year-wise during last five years

Answer before DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
60	78	87	30	16

Answer After DVV Verification :

2020-21	2019-20	2018-19	2017-18	2016-17
59	76	91	30	18

5.2.3.2. Number of students appearing in state/ national/ international level examinations (eg: JAM/CLAT/NET/ SLET/ GATE/ GMAT/CAT,GRE/ TOFEL/ Civil Services/ State government examinations) year-wise during last five years

Answer before DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
65	88	95	41	25

Answer After DVV Verification :

2020-21	2019-20	2018-19	2017-18	2016-17
65	88	95	41	25

Remark : Observation accepted, Input edited accordingly.

5.3.1 Number of awards/medals won by students for outstanding performance in sports/cultural activities at inter-university/state/national / international level (award for a team event should be counted as one) during the last five years.

5.3.1.1. Number of awards/medals for outstanding performance in sports/cultural activities at university/state/national / international level (award for a team event should be counted as one) year-wise during the last five years.

Answer before DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
5	26	30	43	37

Answer After DVV Verification :

2020-21	2019-20	2018-19	2017-18	2016-17
0	0	0	0	0

Remark : Observation accepted.

5.3.3 Average number of sports and cultural events/competitions in which students of the Institution participated during last five years (organised by the institution/other institutions)

5.3.3.1. Number of sports and cultural events/competitions in which students of the Institution participated year-wise during last five years

Answer before DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
5	29	32	30	28

Answer After DVV Verification :

2020-21	2019-20	2018-19	2017-18	2016-17
1	21	26	21	23

Remark : Observation accepted, Input edited accordingly.

6.2.3 **Implementation of e-governance in areas of operation**

1. **Administration**
2. **Finance and Accounts**
3. **Student Admission and Support**
4. **Examination**

Answer before DVV Verification : A. All of the above

Answer After DVV Verification: A. All of the above

6.3.2 **Average percentage of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies during the last five years**

6.3.2.1. **Number of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies year wise during the last five years**

Answer before DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
218	216	195	214	193

Answer After DVV Verification :

2020-21	2019-20	2018-19	2017-18	2016-17
218	216	195	214	193

6.3.3 **Average number of professional development /administrative training programs organized by the institution for teaching and non teaching staff during the last five years**

6.3.3.1. **Total number of professional development /administrative training Programmes organized by the institution for teaching and non teaching staff year-wise during the last five years**

Answer before DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
14	12	25	26	36

Answer After DVV Verification :

--	--	--	--	--

2020-21	2019-20	2018-19	2017-18	2016-17
3	4	5	4	5

Remark : 1) Faculty development program, workshops & induction programs are not considered.
2) For the AY 2020-21 the input is edited w.r.t provided link in the clarification & considered training programs (page no. 48, 84, 87) 3) for the session 2019-20 page no. 63, 86, 96, 99 referred which is provided in clarification.

6.3.4 Average percentage of teachers undergoing online/ face-to-face Faculty Development Programmes (FDP) during the last five years (Professional Development Programmes, Orientation / Induction Programmes, Refresher Course, Short Term Course).

6.3.4.1. Total number of teachers attending professional development Programmes viz., Orientation / Induction Programme, Refresher Course, Short Term Course year-wise during the last five years

Answer before DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
239	239	216	230	210

Answer After DVV Verification :

2020-21	2019-20	2018-19	2017-18	2016-17
219	204	193	212	179

Remark : Observation accepted, edited accordingly. One teacher attending one or more professional development Program in a year is counted as one only & Programs of duration less than one week is not considered.

2.Extended Profile Deviations

ID	Extended Questions																				
1.1	<p>Number of courses offered by the Institution across all programs during the last five years</p> <p>Answer before DVV Verification:</p> <table border="1"> <tr> <td>2020-21</td> <td>2019-20</td> <td>2018-19</td> <td>2017-18</td> <td>2016-17</td> </tr> <tr> <td>417</td> <td>362</td> <td>372</td> <td>361</td> <td>420</td> </tr> </table> <p>Answer After DVV Verification:</p> <table border="1"> <tr> <td>2020-21</td> <td>2019-20</td> <td>2018-19</td> <td>2017-18</td> <td>2016-17</td> </tr> <tr> <td>446</td> <td>375</td> <td>372</td> <td>361</td> <td>420</td> </tr> </table>	2020-21	2019-20	2018-19	2017-18	2016-17	417	362	372	361	420	2020-21	2019-20	2018-19	2017-18	2016-17	446	375	372	361	420
2020-21	2019-20	2018-19	2017-18	2016-17																	
417	362	372	361	420																	
2020-21	2019-20	2018-19	2017-18	2016-17																	
446	375	372	361	420																	
1.2	<p>Number of programs offered year-wise for last five years</p> <p>Answer before DVV Verification:</p>																				

2020-21	2019-20	2018-19	2017-18	2016-17
12	9	9	7	11

Answer After DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
12	8	9	7	11

2.2 **Number of seats earmarked for reserved category as per GOI/State Govt rule year-wise during last five years**

Answer before DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
417	387	387	369	405

Answer After DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
417	378	387	369	405

3.1 **Number of full time teachers year-wise during the last five years**

Answer before DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
242	240	216	230	211

Answer After DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
219	204	193	212	179

3.2 **Number of sanctioned posts year-wise during last five years**

Answer before DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
242	240	216	230	211

Answer After DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
0242	0240	216	230	211

4.2 **Total Expenditure excluding salary year-wise during last five years (INR in Lakhs)**

Answer before DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17

2020-21	2019-20	2018-19	2017-18	2016-17
474.91	566.88	681.47	966.98	699.20

Answer After DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
352.27	429.55	527.36	577.72	449.03

NAAC