



# YEARLY STATUS REPORT - 2022-2023

## Part A

### Data of the Institution

#### 1.Name of the Institution

VIGNAN'S INSTITUTE OF INFORMATION  
TEHNOLOGY

- Name of the Head of the institution **Dr. J. Sudhakar**
- Designation **Principal**
- Does the institution function from its own campus? **Yes**
- Phone No. of the Principal **08912755333**
- Alternate phone No. **08912755222**
- Mobile No. (Principal) **9052066699**
- Registered e-mail ID (Principal) **vignaniit@yahoo.com**
- Address **Besides VSEZ , Duvvada, Vadlapudi Post , Gajuwaka**
- City/Town **Visakhapatnam**
- State/UT **Andhra Pradesh**
- Pin Code **530049**

#### 2.Institutional status

- Autonomous Status (Provide the date of conferment of Autonomy) **28/02/2017**
- Type of Institution **Co-education**
- Location **Urban**

- Financial Status **Self-financing**
- Name of the IQAC Co-ordinator/Director **Dr. Ch. Hari Govinda Rao**
- Phone No. **08912755444**
- Mobile No: **9550782979**
- IQAC e-mail ID **dean\_iqac@vignaniit.edu.in**

**3. Website address (Web link of the AQAR (Previous Academic Year))** [https://vignaniit.edu.in/aqarreporrts/AOAR%202021-22\\_FINAL\\_f1.pdf](https://vignaniit.edu.in/aqarreporrts/AOAR%202021-22_FINAL_f1.pdf)

**4. Was the Academic Calendar prepared for that year?** **Yes**

- if yes, whether it is uploaded in the Institutional website Web link: <https://vignaniit.edu.in/Academic%20Calendar%202022-23.pdf>

### 5. Accreditation Details

Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
<b>Cycle 2</b>	<b>A</b>	<b>3.41</b>	<b>2017</b>	<b>19/07/2017</b>	<b>31/12/2022</b>
<b>Cycle 1</b>	<b>B++</b>	<b>2.5</b>	<b>2012</b>	<b>10/03/2012</b>	<b>09/03/2017</b>

**6. Date of Establishment of IQAC** **11/06/2012**

**7. Provide the list of Special Status conferred by Central and/or State Government on the Institution/Department/Faculty/School (UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC, etc.)?**

Institution/ Department/Faculty/School	Scheme	Funding Agency	Year of Award with Duration	Amount
DR. G. Narasimha Rao	Geospatial Based Disaster Management Study on Wild Fire Detection In GVMC, Andhra Pradesh, India- Artificial Intelligence . Machine Learning and IoT Approaches	Software Technology Parks of India	15/06/2022	30000
Dr. Ch V V Ramana, Mr. A. Sampath Dakshina Murthy	Health Monitoring System for Physically Disability People Using Gait Analysis	Software Technology Parks of India	15/06/2022	90000
Dr. Mohan Mohanty	Prediction Model for Student Feature by Deep Learning	Software Technology Parks of India	15/06/2022	30000
Dr. Archana	EEG Controlled Wheel Chair	Software Technology Parks of India	15/06/2022	30000

### 8. Provide details regarding the composition of the IQAC:

- Upload the latest notification regarding the composition of the IQAC by the HEI [View File](#)

**9.No. of IQAC meetings held during the year**      **2**

- Were the minutes of IQAC meeting(s) and compliance to the decisions taken uploaded on the institutional website?      **Yes**

- If No, please upload the minutes of the meeting(s) and Action Taken Report      No File Uploaded

**10.Did IQAC receive funding from any funding agency to support its activities during the year?**      **No**

- If yes, mention the amount

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

- Implemented periodic infrastructure & Maintenance Audit along with Academic and Administrative Audit
- Mentored Five colleges for the NAAC process under UGC Paramarsh
- Implemented Day-to-Day TLP Monitoring & Reporting Process
- Signed MoU with CUNY University of New York and whether monitoring station
- Two day workshop on The Quality Initiative by IQAC for the Quality Enhancement in the Academic Performance (Dadi Institute of Engineering and Technology, Visakhapatnam).

**12.Plan of action chalked out by IQAC at the beginning of the academic year towards quality enhancement and the outcome achieved by the end of the academic year:**

Plan of Action	Achievements/Outcomes
<p>1. Identify the Curriculum gaps and thrust areas on Industrial requirements and conduct Value added courses to meet the requirements</p>	<p>Conducted 39 Add-on courses to integrate cross-cutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, and Human Values. Also conducted 53 value added courses to meet Industrial requirements and Curriculum gap.</p>
<p>2. To implement Day-to-Day TLP Monitoring &amp; Reporting Process</p>	<p>Successfully implemented day-to-day TLP Monitoring process and monitored classes regularly by top management like Principal and Rector of the institute.</p>
<p>3. Plan to Participate in National and International accreditations and rankings</p>	<p>In order to assess the status of institute, regularly participated in various national surveys conducted by National Bodies like, NIRF, AISCHE, and AICTE-CII survey. The team IQAC preparing assessment reports time to time and submitted the data as per AQAR. Participated in national rankings NIRF, Career 360 ,OBE Ranking and Times Ranking.</p>
<p>4. Plan to conduct awareness sessions to outside colleges</p>	<p>1) A Two-day Workshop on "Exploration of Attainment and Evaluation Programme Outcomes and Course Outcomes by IQAC", in association with Aditya Engineering College, Surampalem, 2) Conducted a Two Day Workshop on "Quality Enhancement Practices and AQAR Reporting" in collaboration with Raghu Engineering College, Visakhapatnam</p>
<p>5. Orientation programme on quality issues for teachers</p>	<p>Conducted 6 events: 1) A One-week Faculty Development Program on "New Pedagogical Approaches</p>

	<p>of HEI in the 21st Century Learners 2) A One-week workshop on "Outcome Based Education" 3) A One-day Seminar on "Professional Ethics and Integrity" 4) A One-day Seminar on "Ensuring Quality in Higher Education: Opportunities and Challenges" 5) A One-day Seminar on "Quality Research Publications: Hallmark for Higher Education" 6) A One-Day Seminar on "Women in Development Paradigm"</p>
6. Bench marking of academic and administrative activities and follow up action	Fixed bench marks and conducted periodic assessments.
7. Plan to create Vignan's econtent blog and upgradation of automation	Developed Vignan LMS portal and measures initiated to update all the e Content. Also established eCap for automation of college administration

**13. Was the AQAR placed before the statutory body?** Yes

- Name of the statutory body

Name of the statutory body	Date of meeting(s)
Governing Body	15/10/2022

**14. Was the institutional data submitted to AISHE ?** Yes

- Year

**Part A****Data of the Institution**

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<ul style="list-style-type: none"> <li>Implemented periodic infrastructure &amp; Maintenance Audit along with Academic and Administrative Audit</li> <li>Mentored Five colleges for the NAAC process under UGC Paramarsh</li> <li>Implemented Day-to-Day TLP Monitoring &amp; Reporting Process</li> <li>Signed MoU with CUNY University of New York and whether monitoring station</li> <li>Two day workshop on The Quality Initiative by IQAC for the Quality Enhancement in the Academic Performance (Dadi Institute of Engineering and Technology, Visakhapatnam).</li> </ul>		
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<b>13. Was the AQAR placed before the statutory body?</b>	<b>Yes</b>
<ul style="list-style-type: none"> <li>Name of the statutory body</li> </ul>	
Name of the statutory body	Date of meeting(s)
<b>Governing Body</b>	<b>15/10/2022</b>
<b>14. Was the institutional data submitted to AISHE ?</b>	<b>Yes</b>
<ul style="list-style-type: none"> <li>Year</li> </ul>	
Year	Date of Submission
<b>2022</b>	<b>19/01/2023</b>

**15. Multidisciplinary / interdisciplinary**

Institute being an Autonomous college has a flexibility to adopt NEP 2020 in TOTO. Hence, while designing the curriculum enough care is taken to provide opportunity to the student to choose a multidisciplinary approach. As per NEP, the Institute is ready to start new courses like Sanskrit, Philosophy, Psychology, Commerce, etc. In the curriculum flexibility is given to the students to opt minimum 10 courses of other disciplines. For example: Core Engineering students can register courses like C Programming, Python, Data Structures, Database Management System, Internet of Things, Management Sciences, Accounting etc., Similarly Computer Engineering students can opt courses like Energy Management, Environmental Engineering, Disaster Management, Accounting, Management Science etc., In addition to this chance is given to complete the courses of their choice by registering in "MOOCs". To prepare the students for multitasking "Add on Courses" and "Value Added Courses" are offered. For the holistic development students are exposed to various societal problems as part of extension activities. As a result of the above efforts students are able to grab placements in various companies. Faculty and students are encouraged to pursue research by interacting and associating with the students and faculty of other programs even with faculty working in other institutions. As a result of this more than 10 project proposals and at-least 20 publications came out in the trans-disciplinary approach. The combination of faculty and students from different disciplines yielded solutions for many societal problems.

**16. Academic bank of credits (ABC):**

As it is known the primary goal of Academic Bank of Credits is to continue the aim of willing transformative education setup to facilitate the students to become academic account holders. There by paving the way for seamless student mobility between Higher Education Institutions. Vignan's Institute of Information Technology registered with National Academic Depository Degi-locker. Hence provision is given to the students to learn the best courses of interest on their own pace. And Institute is promoting student centric education by adapting different teaching methodologies and also allowing the students to register for online courses. Systems are in place Credit Recognition, Credit Accumulation, Credit Transfer and Credit Redemption to promote distributed and flexible teaching learning as per the convenience of the students. The students pursuing education in our institution can redeem the credits and re-join the same program or any other institution in future and continue their

education.

### **17.Skill development:**

Skills and knowledge are the driving forces to keep students in pace with globalization and technological changes happening in the industry. Hence our Institution provides sufficient opportunities to students for enhancing their skills and knowledge by participating in various activities organised by Departments, Training cell, Student Activity Council, IDEA Lab, Industry- Institution Interactions and Entrepreneurship Cell. Skill Enhancement activities starts from I Year first Semester and continued till the eight semesters of their study. During first year of engineering focus is laid on Communication skills, Design thinking and Programming Skills. Students are exposed to mini-projects, Add on Courses, and Higher Programming Skills and Technical Activities in the II Year. In addition, students are deputed to various industries for two weeks to have hands on experience. In the third year in addition to academic's project Expos, Campus Recruitment Training (CRT) in quantitative, Aptitude, reasoning, coding is conducted. Students are also motivated to participate in technical paper presentations, Quizzes, hackathons, Ideathons. During IV-year Group discussions, Technical Interviews, Coding contests, Mock interviews are continuously organised and the students are sent for semester long Internship to have experiential learning as they are exposed to real time atmosphere. During the Internship students take up the problems persisting in the industry and complete their project work. In order to improve the technical presentation skills students are trained to write research articles based on their project works. Inviting experts from Industries and other organisations and arranging the expert talks is a regular feature. In addition to all the above, every student is expected to complete four or five Value Added and Add on Courses.

### **18.Appropriate integration of Indian Knowledge system (teaching in Indian Language, culture, using online course)**

Explaining the pursuit of Knowledge (Gnana), Wisdom (Prajna) and Truth, Vignan's Institute of Information Technology has started adopting Indian Knowledge system by introducing following courses in the new regulation. 1. Indian language Sciences. 2. Indian Mathematics. 3. Indian Astronomy. 4. Indian Architecture and Town Planning. 5. Indian Metallurgy. 6. Indian Textiles. 7. Indian Fine Arts. 8. Indian Polity and Economy. 9. The Outreach of Indian Knowledge System. Seminars and workshops will be organised based on Indian Architecture, Design, Materials used for

construction of temples, ports and special alloys.

### **19.Focus on Outcome based education (OBE):Focus on Outcome based education (OBE):**

The institute has adopted Outcome Based Education system. As a first step all the faculty members are well trained with the principles and practices of Outcome Based Education (OBE). Hence the faculty members are developed standards, criteria and indicator to assess course outcome attainment for each internal assessment and end semester examination. These are captured through assessment rubrics, rating scales and other measures. For this purpose both direct and indirect attainment for courses in all programs are practiced. Institution adapted ERP to assess the Outcome Based Education (OBE). 80% of weightage is given for direct assessment and 20% indirect assessment. The indirect assessment is done by conducting surveys among students and also collecting feedback from employers, internship supervisors and other stake holders. Finally Course Outcomes are mapped to Program Outcomes for all the programs.

### **20.Distance education/online education:**

Student to become multi-faceted and holistic individual he/she can make use of the knowledge available through online mode. Since multidisciplinary learning is the main focus of NEP 2020 the students of our institution are encouraged to register for the courses of other disciplines through online mode. Especially the online education system became very popular during Covid-19 Pandemic. Hence Vignan's Institute of Information Technology has adopted online teaching during this period for the students so that their study can be continued. To support online education system the institution established state of art, studios for video, audio content creation and developed more than 3554 video lectures for about 115 courses. Using zoom online system virtual training is given to students by faculty members. During this, the recorded videos animations and power point presentations are used. The students and faculty were also encouraged to complete the courses and certifications by registering through MOOC's. Institute has signed an MoU with Coursera. For the effective delivery of material and assessment the Learning Management System (LMS) is adopted by the institute. Faculty sometimes make use of online mode to teach the students who are pursuing internships at other locations.

## **Extended Profile**

### **1.Programme**

1.1	21
Number of programmes offered during the year:	
File Description	Documents
Institutional Data in Prescribed Format	<a href="#">View File</a>
<b>2.Student</b>	
2.1	5410
Total number of students during the year:	
File Description	Documents
Institutional data in Prescribed format	<a href="#">View File</a>
2.2	1285
Number of outgoing / final year students during the year:	
File Description	Documents
Institutional Data in Prescribed Format	<a href="#">View File</a>
2.3	5293
Number of students who appeared for the examinations conducted by the institution during the year:	
File Description	Documents
Institutional Data in Prescribed Format	<a href="#">View File</a>
<b>3.Academic</b>	
3.1	501
Number of courses in all programmes during the year:	
File Description	Documents
Institutional Data in Prescribed Format	<a href="#">View File</a>
3.2	318
Number of full-time teachers during the year:	



File Description	Documents
Institutional Data in Prescribed Format	<a href="#">View File</a>
3.3 Number of sanctioned posts for the year:	318
<b>4.Institution</b>	
4.1 Number of seats earmarked for reserved categories as per GOI/State Government during the year:	546
4.2 Total number of Classrooms and Seminar halls	90
4.3 Total number of computers on campus for academic purposes	1593
4.4 Total expenditure, excluding salary, during the year (INR in Lakhs):	1792.20
<b>Part B</b>	
<b>CURRICULAR ASPECTS</b>	
<b>1.1 - Curriculum Design and Development</b>	
1.1.1 - Curricula developed and implemented have relevance to the local, national, regional and global developmental needs which are reflected in Programme Outcomes (POs), Programme Specific Outcomes (PSOs) and Course Outcomes (COs) of the various Programmes offered by the Institution.	
<p>Vignan's Institute of Information Technology, an autonomous institution, meticulously designs its curriculum through discussions and deliberations in committees like the Curriculum Design and Monitoring Committee (CDMC) and the Board of Studies (BoS). Curricula of 11 B.Tech and 02 PG Programs were revised during the year 2022-23. The institute adopts the process approval for curriculum by Board of Studies, the Academic Council and Governing Body. Stakeholder feedback was collected and analyzed for 21 programs, leading to the introduction of 478 new courses in the academic year 2022-23. In order to achieve outcome-based</p>	

education, Program Specific Outcomes (PSOs) were clearly defined. Our curriculum was meticulously developed to address the needs of local, national, regional, and global contexts, aligning with the expected Program Outcomes (POs) and PSOs for our graduates.

Relevance to local, national, regional, and global needs:

Each course outcome in the syllabus is specifically designed to cater to the requirements of the local, national, regional, and global contexts. The inclusion of emerging skill development courses in the curriculum empowers students to cultivate interpersonal and professional skills necessary for thriving in the global environment. Mini projects and extension activities cater to the specific needs of local and regional communities.

**Impact:** The introduction of emerging skill development courses has significantly enhanced the quality of placements for our students.

File Description	Documents
Upload additional information, if any	<a href="#">View File</a>
Link for additional information	<a href="https://www.vignaniit.edu.in/aqar2022-23/criterial.php">https://www.vignaniit.edu.in/aqar2022-23/criterial.php</a>

### 1.1.2 - Number of Programmes where syllabus revision was carried out during the year

9

File Description	Documents
Minutes of relevant Academic Council/BOS meeting	<a href="#">View File</a>
Details of syllabus revision during the year	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

### 1.1.3 - Number of courses focusing on employability/entrepreneurship/ skill development offered by the Institution during the year

478

File Description	Documents
Curriculum / Syllabus of such courses	<a href="#">View File</a>
Minutes of the Boards of Studies/ Academic Council meetings with approval for these courses	<a href="#">View File</a>
MoUs with relevant organizations for these courses, if any	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

## 1.2 - Academic Flexibility

### 1.2.1 - Number of new courses introduced across all programmes offered during the year

478

File Description	Documents
Minutes of relevant Academic Council/BoS meetings	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>
Institutional data in prescribed format (Data Template)	<a href="#">View File</a>

### 1.2.2 - Number of Programmes offered through Choice Based Credit System (CBCS)/Elective Course System

21

File Description	Documents
Minutes of relevant Academic Council/BoS meetings	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>
List of Add on /Certificate programs (Data Template)	<a href="#">View File</a>

## 1.3 - Curriculum Enrichment

1.3.1 - Institution integrates cross-cutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, and Human Values into the curriculum

Our institution places great importance on promoting Professional

Ethics, Gender, Human Values, Environment and Sustainability, and Human Values since its inception.

**Gender Sensitivity:**

HEI fosters a culture that encourages students to respect and value individuals of all genders. As part of this commitment, HEI offers add-on courses on "Gender Sensitization" to deepen understanding and raise awareness of gender-related issues.

**Outcome:** The institution ensures the preservation of female students' self-esteem while motivating them to undertake projects aimed at promoting women's safety.

**Environment and Sustainability:** Our curriculum includes mandatory courses such as environmental science, engineering, impact assessment, solid and hazardous waste management, and energy storage systems. These courses aim to instill environmental consciousness and promote sustainability. Additionally, HEI offer add-on courses dedicated to upholding environmental sustainability.

**Outcome:** HEI successfully reduced power consumption and controlled water wastage on campus. Regular plantation drives are carried out to maintain the greenery.

**Human Values and Ethics:** As part of our educational offering, HEI provide a course on "Professional Ethics and Human Values" for both undergraduate and postgraduate students. Moreover, it offer add-on courses such as Research Ethics and Moralities of Everyday Life.

**Impact:** The students have exhibited improved behavior and a heightened sense of personal and community morals and ethics, resulting in positive changes

File Description	Documents
Upload the list and description of the courses which address issues related to Gender, Environment and Sustainability, Human Values and Professional Ethics in the curriculum	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

**1.3.2 - Number of value-added courses for imparting transferable and life skills offered during the year**

53

File Description	Documents
List of value-added courses	<a href="#">View File</a>
Brochure or any other document relating to value-added courses	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

**1.3.3 - Number of students enrolled in the courses under 1.3.2 above**

3809

File Description	Documents
List of students enrolled	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

**1.3.4 - Number of students undertaking field work/projects/ internships / student projects**

4295

File Description	Documents
List of programmes and number of students undertaking field projects / internships / student projects	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

**1.4 - Feedback System**

**1.4.1 - Structured feedback and review of the syllabus (semester-wise / year-wise) is obtained from 1) Students 2) Teachers 3) Employers and 4) Alumni**

A. All 4 of the above

File Description	Documents
Provide the URL for stakeholders' feedback report	<a href="https://vignaniit.edu.in/feedback/">https://vignaniit.edu.in/feedback/</a>
Upload the Action Taken Report of the feedback as recorded by the Governing Council / Syndicate / Board of Management	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

#### 1.4.2 - The feedback system of the Institution comprises the following

A. Feedback collected, analysed and action taken made available on the website

File Description	Documents
Provide URL for stakeholders' feedback report	<a href="https://vignaniit.edu.in/feedback/">https://vignaniit.edu.in/feedback/</a>
Any additional information	<a href="#">View File</a>

### TEACHING-LEARNING AND EVALUATION

#### 2.1 - Student Enrollment and Profile

##### 2.1.1 - Enrolment of Students

##### 2.1.1.1 - Number of students admitted (year-wise) during the year

1698

File Description	Documents
Any additional information	<a href="#">View File</a>
Institutional data in prescribed format	<a href="#">View File</a>

##### 2.1.2 - Number of seats filled against reserved categories (SC, ST, OBC, Divyangjan, etc.) as per the reservation policy during the year (exclusive of supernumerary seats)

501

File Description	Documents
Any additional information	<a href="#">View File</a>
Number of seats filled against seats reserved (Data Template)	<a href="#">View File</a>

## 2.2 - Catering to Student Diversity

2.2.1 - The institution assesses students' learning levels and organises special programmes for both slow and advanced learners.

Students who consistently score at least 7 SGPA as an aggregate in all the courses are categorized as advanced learners, while those who score below 7 SGPA are categorized as slow learners. In case of first year students, if he/she scores more than 60% marks in the first internal examination is considered as advanced learner.

Special programme for Advanced Learners:

? Self-learning through NPTEL, and Coursera

? Hackathons, Competitive Coding, and design contests

? Real- time industry projects

? Special classes for GATE

? Students are advised to pursue courses for both Honors and Minors degrees.

? Special training to place in product-based companies

Outcome:

? 95% of advanced learners are placed with average package of INR 6 LPA

? All students undergone semester long internship in MNCs and government organizations

? 8 students selected in renowned universities for higher education.

? 69 Students are placed with more than INR 10 LPA

Special programme for Slow Learners:

Continuous counselling of students to understand their challenges and overcome any psychological imbalances or family issues.

? Remedial Classes

? Backlog classes for supplementary examination.

? Peer mentoring with the support of advanced learners.

? Facilitation of career-based training programmes.

Outcome:

? Most of students complete their courses within the stipulated time

? 50% are placed with average package of INR 3 LPA

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="http://vignaniit.edu.in/student_diversity.php">http://vignaniit.edu.in/student_diversity.php</a>

### 2.2.2 - Student – Teacher (full-time) ratio

Year	Number of Students	Number of Teachers
31/05/2023	5410	318

File Description	Documents
Upload any additional information	<a href="#">View File</a>

### 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:

Whole teaching-learning process is made Student Centric by adopting creative Teaching Methodologies such as

**Experiential learning:**

? Semester long Internship was introduced and 868 students were benefitted.

? Many courses were integrated with labs.



? Hands-on training was imparted by establishing 6 Skill Development Labs and 140 Minor Projects have been developed by utilizing those lab facilities.

? To gain practical knowledge and application, 53 Value Added Courses were introduced.

Participative learning:

? Innovative teaching methods like Flipped classroom, Think Pair share, Jigsaw learning were implemented. About 420 topics were covered by applying these practices in the academic year 2022-23.

? Encouraged to present and publish research articles in conferences as well as reputed journals.

? Three Credits were provided for online courses to impart self-learning.

Problem solving methodologies:

? Students were given real time problems and asked to apply critical thinking to devise solutions. As a result, 75 trans-disciplinary and societal projects were completed.

? 20 Special coding competitions were conducted.

Impact:

? 30 feasible solutions such as Driver Drowsiness Detection System, Smart Helmet for Mining Workers Safety were developed.

? 166 students were selected for internship and then got placement in the same company.

? 60 projects have been developed to address societal issues.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Link for additional Information	<a href="https://vignaniit.edu.in/teaching_methodologies.php">https://vignaniit.edu.in/teaching_methodologies.php</a>

2.3.2 - Teachers use ICT-enabled tools including online resources for effective teaching and

## learning

Utilization of ICT tools and e-learning material are the part of teaching-learning process. Hence all the faculty members were trained in usage of ICT tools to develop e-content. All the classrooms are equipped with ICT tools and some of them are with Smart boards.

- 10 Lecture recording studios are developed in the institute and 3554 video lectures are developed by the faculty.
- With the help of e-content and video lectures developed classroom teaching become very effective and learning ability of students has been enhanced.
- All the e-content and video lectures are made available to all the students and faculty through the online portal. Online courses are integrated with curriculum.
- Faculty was engaged to conduct virtual experiments in the laboratories such as V-Labs.

### Facilities Created:

- All classrooms are made ICT enabled.
- 4-Lecture recording studios are developed
- Smart boards arranged in some classrooms.
- All the e-content is made available online through the portal.

### Impact:

1. E-learning material effectively used by slow learners.
2. ICT tools made learning more interactive and engaging by which academic performance remained excellent
3. ICT tools have provided diverse learning needs through which Special coding competitions were conducted across all the programs

File Description	Documents
Provide link for webpage describing ICT enabled tools including online resources for effective teaching and learning process	<a href="https://vignaniit.edu.in/ict_facility.php#">https://vignaniit.edu.in/ict_facility.php#</a>
Upload any additional information	<a href="#">View File</a>

### 2.3.3 - Ratio of students to mentor for academic and other related issues

#### 2.3.3.1 - Number of mentors

312

File Description	Documents
Upload year-wise number of students enrolled and full-time teachers on roll	<a href="#">View File</a>
Circulars with regard to assigning mentors to mentees	<a href="#">View File</a>

### 2.3.4 - Preparation and adherence to Academic Calendar and Teaching Plans by the institution

Academic Planning and Monitoring Committee (AP&MC) prepares the academic calendar and academic planner. Academic Calendar and Semester-wise Academic Planner are prepared well in advance and circulated among all the stakeholders. It consists of lecture plans, internal and external examinations schedule, extra and co-curriculum events, and holidays.

? Courses are allocated to the faculty at least one month in advance. So that, they can prepare lecture plans and course files.

? Lecture plans are distributed to the students, displayed in classrooms, and institution website.

? The quality of teaching is monitored directly by the principal through attending to the class and interacting with students frequently.

? Class Review Committee (CRC) meets once in every fifteenth day of the month to review the effectiveness of the classes, lecture plans and other activities. If any deviation is noticed, the Head of the Department rectifies it.

**Impact :**

? More than 90% of the faculty obtained 90% and above feedback from student regarding effectiveness in delivering lecture.

? 90% of students participated in extra, co-curricular activities as per schedule.

? Conduction of examinations and declaration of results followed the schedule mentioned in the Academic Calendar.

File Description	Documents
Upload the Academic Calendar and Teaching Plans during the year	<a href="#">View File</a>

**2.4 - Teacher Profile and Quality****2.4.1 - Number of full-time teachers against sanctioned posts during the year**

**318**

File Description	Documents
Year-wise full-time teachers and sanctioned posts for the year	<a href="#">View File</a>
List of the faculty members authenticated by the Head of HEI	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

**2.4.2 - Number of full-time teachers with PhD/ D.M. / M.Ch. / D.N.B Super-Specialty / DSc / DLitt during the year**

**108**

File Description	Documents
List of number of full-time teachers with PhD./ D.M. / M.Ch. / D.N.B Super-Specialty / D.Sc. / D.Litt. and number of full-time teachers for 5 years	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

**2.4.3 - Total teaching experience of full-time teachers in the same institution: (Full-time teachers' total teaching experience in the current institution)**

2499

File Description	Documents
List of teachers including their PAN, designation, Department and details of their experience	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

## 2.5 - Evaluation Process and Reforms

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

9

File Description	Documents
List of Programmes and the date of last semester-end / year-end examinations and the date of declaration of result	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

### 2.5.2 - Number of students' complaints/grievances against evaluation against the total number who appeared in the examinations during the year

25

File Description	Documents
Upload the number of complaints and total number of students who appeared for exams during the year	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>

2.5.3 - IT integration and reforms in the examination procedures and processes including Continuous Internal Assessment (CIA) have brought in considerable improvement in the Examination Management System (EMS) of the Institution

The entire examination system of VIIT (A) is integrated with IT. Both internal and external assessment process is carried with well-defined SBEMS (Smart Brains Examination Management System) software. Institute has successfully conducted examinations for more than 5000 students and declared the results.

? More emphasis is established on continuous evaluation for both theory and lab courses.

? Time to time internal examinations are conducted in adherence to academic calendar.

? Notifications were published on our website and notice board.

? Evaluation process is integrated with software and made open to every student.

? Three sets of question papers are being prepared by faculty from IITs, NITs and reputed Universities following Blooms taxonomy.

? Question papers are moderated just a few hours before the commencement of examination in a very confidential way.

? Examinations were conducted under CCTV surveillance.

? The scheme of evaluation is prepared and available to students.

? Entire examination process is periodically audited.

**Impact:**

? Continuous evaluation improved the performance of the students.

? Students' skills were improved by concentrating on the Blooms Taxonomy level.

? Results are declared within 10 days from the date of final examination.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional Information	<a href="http://vignaniit.edu.in/examcell/IT%20Integrations.pdf">http://vignaniit.edu.in/examcell/IT%20Integrations.pdf</a>

**2.6 - Student Performance and Learning Outcomes**

2.6.1 - Programme Outcomes and Course Outcomes for all Programmes offered by the institution are stated and displayed on the website and communicated to teachers and students

Course Outcomes for all courses of all the Programs in the

institution are well defined at the time of development of the curriculum. POs and COs are Stated and displayed on the website and communicated to teachers and students. Feedback from all stakeholders that include, management, faculty, students, parents, and alumni is considered for defining the Cos. Enough care is taken while designing the curriculum and courses in order to achieve the POs.

The drafted COs are discussed in both Board of Studies and Academic Council meetings. The POs and the finalized COs are published, disseminated, and displayed at various locations in the campus, to create the awareness among the stake holders.

Published in

- Institute Website
- Syllabus Books
- Lab Manuals

Disseminated through

- Faculty Development Programs
- Student orientation Program

Displayed in

- Classrooms and notice boards
- Parent Teacher Meetings
- Laboratories

File Description	Documents
Upload COs for all courses (exemplars from the Glossary)	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>
Link for additional Information	<a href="http://vignaniit.edu.in/courseOutcomes.php">http://vignaniit.edu.in/courseOutcomes.php</a>

2.6.2 - Attainment of Programme Outcomes and Course Outcomes as evaluated by the institution

The Programme Outcomes (POs) and Course Outcomes (COs) were evaluated after every activity, to check the attainment level. The attainment levels were evaluated through direct and indirect assessments. The direct assessment of COs is carried by conducting the internal examinations, giving assignments, quiz and final examinations. The indirect assessment of COs is obtained by conducting course end surveys that incorporate student perspectives on teaching and learning.

The direct assessment of POs and PSOs is obtained by observing the overall achievement of the intended courses outcome and the indirect assessment is measured by collecting feedback from all the stack holders, i.e. students, alumni, faculty, employers and parents.

Tools used

Target Marks ( %)

Attainment levels

Weightage

Internal Exams

60% of Maximum Marks

60% to 69% = 1

70% to 79% = 2

≥80% =3

Direct assessment (80%)

End semester exam

50% of Maximum Marks

Indirect assessment (20%)

For calculation of the POs, direct assessment has been given 80% of the weightage, while indirect assessment has been given 20% of the weightage.



B. tech- Mechanical Engineering POs-PSOs attainment values for the admitted batches of 2019 are attached herewith.

Upon the completion of each batch, a comprehensive analysis of program outcomes is conducted to identify any gaps. By implementing appropriate measures annually, including curriculum enrichment, guest lectures, internships, and various co-curricular & extra-curricular activities, a continuous improvement in achieving Program Outcomes is observed.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional Information	<a href="http://vignaniit.edu.in/academics/2.6.1/Attainment%20Procedure.pdf">http://vignaniit.edu.in/academics/2.6.1/Attainment%20Procedure.pdf</a>

### 2.6.3 - Pass Percentage of students

#### 2.6.3.1 - Total number of final year students who passed in the examinations conducted by Institution

1159

File Description	Documents
Upload list of Programmes and number of students appear for and passed in the final year examinations	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>
Paste link for the annual report	<a href="http://www.vignaniit.edu.in/aqar2223uploads/criteria2/2.6.3/2.6.3.b.%20Annual%20Report%20from%20COE%202022-23.pdf">http://www.vignaniit.edu.in/aqar2223uploads/criteria2/2.6.3/2.6.3.b.%20Annual%20Report%20from%20COE%202022-23.pdf</a>

### 2.7 - Student Satisfaction Survey

#### 2.7.1 - Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design its own questionnaire). Results and details need to be provided as a weblink

<https://vignaniit.edu.in/aqar2223uploads/criteria2/2.7.1/2.7.1.%20Student%20Satisfaction%20survey%20-Dec%202023.pdf>

### RESEARCH, INNOVATIONS AND EXTENSION

### 3.1 - Promotion of Research and Facilities

3.1.1 - The institution's research facilities are frequently updated and there is a well-defined policy for promotion of research which is uploaded on the institutional website and implemented

HEI strongly emphasizes that engineering education's main aim is to nurture the creation of novel knowledge and innovative ideas. HEI has a clear research policy crafted by the Research Committee, guided by its members, and approved by the Governing Body. The Dean's R&D regularly enhances our research facilities.

Key highlights of our Research Policy:

- A dedicated team of researchers, minimizing their teaching responsibilities to focus primarily on research.
- Provision of funding to support teachers' participation in workshops and conferences.
- Reimburse 10% of the project cost as an incentive for completed projects.
- Encourage teachers and students to publish their papers in esteemed journals with high-impact factors.
- 

Our research facilities:

- AICTE-IDEA Lab
- The Advanced VLSI Laboratory, funded by AICTE through the MODROB program
- Projects sponsored by the STPI
- Laboratories sponsored by DST-SERB
- Dedicated servers
- Plagiarism detection software to maintain research integrity and originality
- High-speed broadband internet connectivity
- Research Centre recognized by JNTUK

The impacts of our research initiatives:

HEI successfully secured 37 projects from various government and non-government organizations. HEI conducted 44 extension activities, actively engaging with the community, and adopted a neighbouring village during the year 2022-23.

File Description	Documents
Upload the Minutes of the Governing Council/ Syndicate/Board of Management related to research promotion policy adoption	<a href="#">View File</a>
Provide URL of policy document on promotion of research uploaded on the website	<a href="https://vignaniit.edu.in/research/Amendement%20Research%20Policy%202020.pdf">https://vignaniit.edu.in/research/Amendement%20Research%20Policy%202020.pdf</a>
Any additional information	<a href="#">View File</a>

### 3.1.2 - The institution provides seed money to its teachers for research

#### 3.1.2.1 - Seed money provided by the institution to its teachers for research during the year (INR in lakhs)

19.05

File Description	Documents
Minutes of the relevant bodies of the institution regarding seed money	<a href="#">View File</a>
Budget and expenditure statements signed by the Finance Officer indicating seed money provided and utilized	<a href="#">View File</a>
List of teachers receiving grant and details of grant received	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

### 3.1.3 - Number of teachers who were awarded national / international fellowship(s) for advanced studies/research during the year

11

File Description	Documents
e-copies of the award letters of the teachers	<a href="#">View File</a>
List of teachers and details of their international fellowship(s)	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

**3.2 - Resource Mobilization for Research****3.2.1 - Grants received from Government and Non-Governmental agencies for research projects, endowments, Chairs during the year (INR in Lakhs)****40.00**

File Description	Documents
e-copies of the grant award letters for research projects sponsored by non-governmental agencies/organizations	<a href="#">View File</a>
List of projects and grant details	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

**3.2.2 - Number of teachers having research projects during the year****37**

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional Information	<a href="https://vignaniit.edu.in/aqar2223uploads/criteria3/3.2.2/3.2.2%20List%20of%20Extramu%20ral%20funding%20received%20for%20research%2022-23.pdf">https://vignaniit.edu.in/aqar2223uploads/criteria3/3.2.2/3.2.2%20List%20of%20Extramu%20ral%20funding%20received%20for%20research%2022-23.pdf</a>
List of research projects during the year	<a href="#">View File</a>

**3.2.3 - Number of teachers recognised as research guides****22**

File Description	Documents
Upload copies of the letter of the university recognizing teachers as research guides	<a href="#">View File</a>
Institutional data in Prescribed format	<a href="#">View File</a>

**3.2.4 - Number of departments having research projects funded by Government and Non-Government agencies during the year**

8

File Description	Documents
Supporting document from Funding Agencies	<a href="#">View File</a>
Paste link to funding agencies' website	<a href="https://vignaniit.edu.in/aqar2223uploads/criteria3/3.2.4/Funding%20agencies.pdf">https://vignaniit.edu.in/aqar2223uploads/criteria3/3.2.4/Funding%20agencies.pdf</a>
Any additional information	<a href="#">View File</a>

### 3.3 - Innovation Ecosystem

3.3.1 - Institution has created an ecosystem for innovations and creation and transfer of knowledge supported by dedicated centres for research, entrepreneurship, community orientation, incubation, etc.

In collaboration with the Institute Innovation Council, authorized by the Ministry of Human Resource Development (MHRD), our Institute has established an ecosystem that fosters the continual generation of ideas and facilitates their conversion into tangible products. This dynamic ecosystem efficiently tackles societal challenges and introduces sustainable initiatives by integrating domain-specific ideas from various sources, including:

1. Highly qualified and experienced research faculty.
2. Established a dedicated Cell for Entrepreneurship Development.
3. A dedicated pre-incubation centre for innovation activities
4. Well-equipped research facilities.
5. A dedicated research and development (R&D) team.
6. Transfer of technical and domain knowledge from industry experts, facilitated by practical exposure through internships.
7. Skill development centres that enhance the capabilities of both students and faculty.
8. Contributions from alumni and placement partners, who provide valuable insights into market dynamics and forecasts.
9. An Engineering Exploration lab that stimulates students to design innovative models.

**Impact:**

Implementing this ecosystem has yielded significant results, including:

1. Establishment of the IDEA Lab, funded by the All India Council for Technical Education (AICTE).
2. 70 innovative activities were organized
3. 10 patents were published
4. 05 patents were granted

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://vignaniit.edu.in/iic.php">https://vignaniit.edu.in/iic.php</a>

### 3.3.2 - Number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR), Entrepreneurship and Skill Development during the year

6

File Description	Documents
Report of the events	<a href="#">View File</a>
List of workshops/seminars conducted during the year	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

### 3.4 - Research Publications and Awards

**3.4.1 - The Institution ensures implementation of its Code of Ethics for Research uploaded in the website through the following: Research Advisory Committee Ethics Committee Inclusion of Research Ethics in the research methodology course work Plagiarism check through authenticated software**

**A. All of the above**

File Description	Documents
Code of Ethics for Research, Research Advisory Committee and Ethics Committee constitution and list of members of these committees, software used for plagiarism check	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

### 3.4.2 - Number of PhD candidates registered per teacher (as per the data given with regard to recognized PhD guides/ supervisors provided in Metric No. 3.2.3) during the year

#### 3.4.2.1 - Number of PhD students registered during the year

22

File Description	Documents
URL to the research page on HEI website	<a href="https://vignaniit.edu.in/ssr_criteria3_2_3_new.php">https://vignaniit.edu.in/ssr_criteria3_2_3_new.php</a>
List of PhD scholars and details like name of the guide, title of thesis, and year of registration	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

### 3.4.3 - Number of research papers per teacher in CARE Journals notified on UGC website during the year

113

File Description	Documents
List of research papers by title, author, department, and year of publication	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

### 3.4.4 - Number of books and chapters in edited volumes / books published per teacher during the year

451

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://vignaniit.edu.in/aqar2223uploads/criteria3/3.4.4/2022-23%20Book%20chapters.pdf">https://vignaniit.edu.in/aqar2223uploads/criteria3/3.4.4/2022-23%20Book%20chapters.pdf</a>

### 3.4.5 - Bibliometrics of the publications during the year based on average Citation Index in Scopus/ Web of Science/PubMed

#### 3.4.5.1 - Total number of Citations in Scopus during the year

1957

File Description	Documents
Any additional information	<a href="#">View File</a>
Bibliometrics of the publications during the year	<a href="#">View File</a>

### 3.4.6 - Bibliometrics of the publications during the year based on Scopus/ Web of Science – h-Index of the University

#### 3.4.6.1 - h-index of Scopus during the year

25

File Description	Documents
Bibliometrics of publications based on Scopus/ Web of Science - h-index of the Institution	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

### 3.5 - Consultancy

#### 3.5.1 - Revenue generated from consultancy and corporate training during the year (INR in lakhs)

26.41



File Description	Documents
Audited statements of accounts indicating the revenue generated through consultancy and corporate training	<a href="#">View File</a>
List of consultants and revenue generated by them	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

### 3.5.2 - Total amount spent on developing facilities, training teachers and clerical/project staff for undertaking consultancy during the year

26.41

File Description	Documents
Audited statements of accounts indicating the expenditure incurred on developing facilities and training teachers and staff for undertaking consultancy	<a href="#">View File</a>
List of training programmes, teachers and staff trained for undertaking consultancy	<a href="#">View File</a>
List of facilities and staff available for undertaking consultancy	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

### 3.6 - Extension Activities

3.6.1 - Extension activities carried out in the neighbourhood sensitising students to social issues for their holistic development, and the impact thereof during the year

The Institute's vision is to foster the development of socially responsible students and faculty members who can meet the present and future needs of industries for the nation's progress. The primary objective of these outreach activities is to disseminate knowledge and raise awareness about social issues among local students in the neighbouring socioeconomic regions. This promotes the comprehensive growth of our students. Through organized teamwork, students actively take part in creating and implementing programs.

The main aim is to enhance knowledge among the residents of the

adopted community neighbouring our institute in plantation, hygienic livelihoods, and sanitation.

As part of the sensitising students to social issues for their holistic development, the following initiatives have been undertaken:

1. Demonstration of Water Tank Filling with Automatic Motor
2. Financial Literacy for Merchants' Sustainable Growth
3. Waste Management Campaigns
4. Sensitizing Students on Women Safety Android App
5. Promoting awareness about social ills
6. Educating school children on energy conservation awareness
7. Inculcating social responsibility through charity works
8. Health and Hygiene Workshops
9. Demonstration on Saving Electricity Using Manual Devices
10. Road Cleaning Activity

Impact:

1. Promotion of responsible citizenship and community engagement.
2. Adoption of self-hygiene practices and consumption of nutritious food
3. Increased awareness and understanding of social issues among students.
4. Development of essential life skills such as financial literacy, environmental stewardship, and health awareness

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://vignaniit.edu.in/nssunit.php">https://vignaniit.edu.in/nssunit.php</a>

### 3.6.2 - Number of awards and recognition received by the Institution, its teachers and students for extension activities from Government / Government-recognised bodies during the year

6

File Description	Documents
Number of awards for extension activities in during the year	<a href="#">View File</a>
e-copy of the award letters	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

### 3.6.3 - Number of extension and outreach programmes conducted by the institution through NSS/NCC/Red Cross/YRC, etc. during the year (including Government-initiated programmes such as Swachh Bharat, AIDS Awareness, and Gender Sensitization and those organised in collaboration with industry, community and NGOs)

44

File Description	Documents
Reports of the events organized	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

### 3.6.4 - Number of students participating in extension activities listed in 3.6.3 during the year

3177

File Description	Documents
Reports of the events	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

## 3.7 - Collaboration

### 3.7.1 - Number of collaborative activities during the year for research/ faculty exchange/ student exchange/ internship/ on-the-job training/ project work

15

File Description	Documents
Copies of documents highlighting collaboration	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

### 3.7.2 - Number of functional MoUs with institutions of national and/or international importance, other universities, industries, corporate houses, etc. during the year (only functional MoUs with ongoing activities to be considered)

32

File Description	Documents
e-copies of the MoUs with institution/ industry/ corporate house	<a href="#">View File</a>
Details of functional MoUs with institutions of national, international importance, other institutions etc. during the year	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

## 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 equipments, etc.

The Institute, spread over 16.64 acres of land, is located in a serene and lush green environment very congenial for learning. Surrounded on all sides by a large number of big industries such as Vizag Steel plant, BDL, VSEZ etc., the institution relishes the advantage of institute industry interactions.

The Institute is recognised as GREEN CAMPUS

Instructional Area:- 33259 Sq.m. Completely ICT enabled.

Type of Facility

Numbers

Classrooms

82

Laboratories

64

Research Laboratories

05

Seminar Halls

8

Incubation and IDEA Laboratories

02

Library

10

Auditorium

5300Sq.m

Hostels

1000 capacity

Administrative area:- 3200 Sq.m area is being utilized for various administrative purposes, Examination section, and various cells.

Amenities Area:- 9300 Sq.m is available to cater games, yoga, common rooms, health center, cafeterias, washrooms etc.

Computation Facilities:- 1593 computers, 325KVA UPSs, 375 CC Cameras, 1100 MBPS bandwidth internet with required WiFi Routers.

Power Backup:- Genarator-520 KVA, UPS-325 KVA and Solar Power-2 MW

Circulation and other Areas:- All the buildings of the institute possess excellent ventilation and free space for students and staff, mobility to the extent of 9931 Sq.m

Library Facilities:- Central Library along with Dept. Libraries and a Digital Library. In total 54815 Volumes and 11335 Titles and E-journals are available.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://vignaniit.edu.in/tlp.php">https://vignaniit.edu.in/tlp.php</a>

4.1.2 - The institution has adequate facilities for cultural activities, yoga, sports and games (indoor and outdoor) including gymnasium, yoga centre, auditorium etc.)

- The institution endeavours to produce skilled, knowledgeable, dynamic, and well-balanced professionals who are capable of leading organizations and are keen towards serving the society. Hence, adequate care is taken to develop students in all dimensions, such as intellectual, physical, social, and psychological aspects. Student Activity Council (SAC) is in place to take care of all the extracurricular activities.
- SAC organises Sports, Cultural, Green clubs, ect. Indoor and Outdoor games & sports facilities, a well-equipped gym, and a yoga center are spread over the area of 39808.54 Sq.m. Separate place for cultural activities, literature, and public speaking are also created.
- The Physical Education Cell is supported by 3 Physical Directors and 4 coaches who provide assistance to the students
- Every year SAC organizes YUVATARANG, a National Level youth fest. The amount spent for this is always more than Rs 30 lakhs.

#### Outcomes

1. As per Vision of the Institute, producing Graduates having Emotional balance, psychologically strong and imbued with Social conscious.
2. University championship in sports and games in the last three years continuously.
3. 90% success rate both in academics and placements.
4. Medals received at national and state level was 9 Gold, 2 Silver, and 3 bronze Medals and 2 fourth Place.

File Description	Documents
Geotagged pictures	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://vignaniit.edu.in/physicalEducation.php">https://vignaniit.edu.in/physicalEducation.php</a>

#### 4.1.3 - Number of classrooms and seminar halls with ICT-enabled facilities

90

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	<a href="#">View File</a>

#### 4.1.4 - Expenditure for infrastructure augmentation, excluding salary, during the year (INR in Lakhs)

1138.66

File Description	Documents
Upload audited utilization statements	<a href="#">View File</a>
Details of Expenditure, excluding salary, during the years	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

#### 4.2 - Library as a Learning Resource

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

- The institution has central library with an area of 1436 Sq.m housing 11335 titles and 54815 volumes and it has a digital section with 30 systems. All the departments have their own libraries. They are managed by automated, multi-user, integrated library management software called EZlib, which was developed in-house by students and faculty.
- The Institute is a member of the National Digital Library

(NDL), and 70% of students and faculty are registered members

- The Library has subscription of 6762 e-journals from DELNET, INFLIBNET-N-List, IEEE, ASCE, ASME, Elsevier and 6226 e-books. Faculty and students can download and use them for their research and academics.
- Research publications, journals, E-material, Educational videos, etc., are downloadable
- In-house access to e-resources is provided for resources such as the NPTEL Video repository, Research Journals, Course Files, etc.
- Students can access all library resources and download digital content.

#### Impact

1. Automation of library services has increased the efficiency of content search and location functions.
2. Research publications have been increased to 233 per year.
3. Campus- wide availability of e-resources through Wi-Fi improved the academic and research culture
4. On average 500 students complete MOOCS courses using digital library.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://vignaniit.edu.in/aqar2122uploads/criteria4/4.2.1/vignan%20library.mp4">https://vignaniit.edu.in/aqar2122uploads/criteria4/4.2.1/vignan%20library.mp4</a>

**4.2.2 - Institution has access to the following:  
e-journals e-ShodhSindhu Shodhganga  
Membership e-books Databases Remote  
access to e-resources**

A. Any 4 or more of the above

File Description	Documents
Details of subscriptions like e-journals, e-books, e-ShodhSindhu, Shodhganga membership	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>



**4.2.3 - Expenditure on purchase of books/ e-books and subscription to journals/e-journals during the year (INR in lakhs)****43.11**

File Description	Documents
Audited statements of accounts	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>
Details of annual expenditure for purchase of books/e-books and journals/e- journals during the year (Data Template)	<a href="#">View File</a>

**4.2.4 - Usage of library by teachers and students (footfalls and login data for online access)****4.2.4.1 - Number of teachers and students using the library per day during the year****1513**

File Description	Documents
Upload details of library usage by teachers and students	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

**4.3 - IT Infrastructure**

4.3.1 - Institution has an IT policy covering Wi-Fi, cyber security, etc. and has allocated budget for updating its IT facilities

**IT policy**

All the process of the institute have been automated and an In-House developed LMS is in place. An effective IT policy is created to maintain a secure, legal, and appropriate use of IT infrastructure for flow of information, maintenance of confidentiality and integrity and accessible to all the stakeholder.

**Salient features**

- IT infrastructure and services are made available 24x7.
- Regular maintenance and up gradation of systems is carried.
- Adequate budget allocation to meet the current and future needs.

## Policy Implementation

- 1593 network connections through LAN and Wi-Fi access.
- 1593 computer systems are installed in Laboratories, Research Centres, Digital Library and Classrooms
- 1100 MBPS Bandwidth Internet is available with adequate backup.
- Installed an authoritative Cisco Meraki Firewall.
- The dedicated LAN facility allotted to the examination section
- Augmenting the Learning Management System to enable Remote access learning. Digital content management, expansion of e-content, maintaining data storage, internal and cloud storage.

## Maintenance of ICT Facilities

The in-charge, System Cell and supporting staff are responsible to maintain the ICT facility of the entire campus.

Disposal of e-waste through buy-back options and intuition is having MOU with Green Waves environmental solutions.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://vignaniit.edu.in/internet.php">https://vignaniit.edu.in/internet.php</a>

### 4.3.2 - Student - Computer ratio

Number of Students	Number of Computers
5411	1593

File Description	Documents
Upload any additional information	<a href="#">View File</a>

### 4.3.3 - Bandwidth of internet connection in the Institution and the number of students on campus

A. 50 Mbps

File Description	Documents
Details of bandwidth available in the Institution	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>

**4.3.4 - Institution has facilities for e-content development:**  
**Facilities available for e-content development**  
**Media Centre**  
**Audio-Visual Centre**  
**Lecture Capturing System (LCS)**  
**Mixing equipments and software for editing**

**A. All four of the above**

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://vignaniit.edu.in/aqar2223uploads/criteria4/4.2.1/e-Vignanam%20%20Highly%20Effective%20Online%20Teaching%20Practices%20at%20VIIT%20in%20Pandemic%20Times(1).mp4">https://vignaniit.edu.in/aqar2223uploads/criteria4/4.2.1/e-Vignanam%20%20Highly%20Effective%20Online%20Teaching%20Practices%20at%20VIIT%20in%20Pandemic%20Times(1).mp4</a>
List of facilities for e-content development (Data Template)	<a href="#">View File</a>

#### 4.4 - Maintenance of Campus Infrastructure

**4.4.1 - Expenditure incurred on maintenance of physical and academic support facilities, excluding salary component, during the year (INR in lakhs)**

**1069.91**

File Description	Documents
Audited statements of accounts	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>

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

**The institution has an established system to monitor the utilization and maintenance of computers, classrooms, equipment, laboratories, etc. The Institution's Engineering Section and Hardware section maintain the physical and academic facilities. They report to Dean Infrastructure**

- A well developed feedback mechanism is in place to report.
- A well-defined procedure is adopted to maintain the library and its belongings.
- The In-charge System Cell and hardware team are responsible for maintaining the ICT facility of the entire campus.
- Lab In-charges with the support of Lab Technicians take care of the equipment and instrument maintenance. Heavy repairs are out sourced.
- An Annual Maintenance Contract (AMC) is in place to maintain high-end equipment and high-end servers, lifts, ACs.
- Advanced Research Labs housing sophisticated equipment and maintained by a faculty-in-charge who reports to the Head of the Department concerned.
- The sports equipment, fitness equipment, and various playgrounds on the campus are supervised and maintained by the faculty of the Physical Education Department.

#### Outcomes

- Clean and green environment for learning.
- Free flow of information from end users to Dean Admin.
- 90 % of resources are always are in use.
- Preventing the degradation of the equipment and vehicles.
- Saving the financial recourses.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="http://complaint.vignaniit.com/">http://complaint.vignaniit.com/</a>

### STUDENT SUPPORT AND PROGRESSION

#### 5.1 - Student Support

##### 5.1.1 - Number of students benefitted by scholarships and freeships provided by the Government during the year

2893

File Description	Documents
Upload self-attested letters with the list of students receiving scholarships	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>

### 5.1.2 - Number of students benefitted by scholarships and freeships provided by the institution and non-government agencies during the year

1066

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Institutional data in prescribed format	<a href="#">View File</a>

**5.1.3 - The following Capacity Development and Skill Enhancement activities are organised for improving students' capabilities Soft Skills Language and Communication Skills Life Skills (Yoga, Physical fitness, Health and Hygiene) Awareness of Trends in Technology**

A. All of the above

File Description	Documents
Link to Institutional website	<a href="https://vignaniit.edu.in/capacitybuilding.php23.php">https://vignaniit.edu.in/capacitybuilding.php23.php</a>
Details of capability development and schemes	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

### 5.1.4 - Number of students benefitted from guidance/coaching for competitive examinations and career counselling offered by the institution during the year

3989

File Description	Documents
Any additional information	<a href="#">View File</a>
Number of students benefited by guidance for competitive examinations and career counseling during the year (Data Template)	<a href="#">View File</a>

<b>5.1.5 - The institution adopts the following mechanism for redressal of students' grievances, including sexual harassment and ragging: Implementation of guidelines of statutory/regulatory bodies Creating awareness and implementation of policies with zero tolerance Mechanism for submission of online/offline students' grievances Timely redressal of grievances through appropriate committees</b>	<b>A. All of the above</b>
---	----------------------------

File Description	Documents
Minutes of the meetings of students' grievance redressal committee, prevention of sexual harassment committee and Anti-ragging committee	<a href="#">View File</a>
Details of student grievances including sexual harassment and ragging cases	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>

## 5.2 - Student Progression

### 5.2.1 - Number of outgoing students who got placement during the year

1053

File Description	Documents
Self-attested list of students placed	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>

### 5.2.2 - Number of outgoing students progressing to higher education

08

File Description	Documents
Upload supporting data for students/alumni	<a href="#">View File</a>
Details of students who went for higher education	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

### 5.2.3 - Number of students qualifying in state/ national/ international level examinations during the year

#### 5.2.3.1 - Number of students who qualified in state/ national/ international examinations (e.g.: IIT-JAM/NET/SET/JRF/ GATE /GMAT /CAT/ GRE/ TOEFL/Civil Services/State government examinations) during the year

15

File Description	Documents
Upload supporting data for students/alumni	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

### 5.3 - Student Participation and Activities

#### 5.3.1 - Number of awards/medals for outstanding performance in sports and/or cultural activities at inter-university / state /national / international events (award for a team event should be counted as one) during the year

22

File Description	Documents
e-copies of award letters and certificates	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

#### 5.3.2 - Presence of an active Student Council and representation of students in academic and administrative bodies/committees of the institution

The Student Activity Council (SAC) at VIIT (A) functions as a dedicated representative council for the students, bringing together various Activity Clubs and Committees on campus to ensure smooth functioning at every stage. SAC functions as a centralized body, offering comprehensive support and coordination

for all activities within the campus. SAC is a key governing body by involving in all Academic and Non-academic aspects. It plays an active role in supporting both cocurricular and extracurricular activities.

#### Functions:

Representation of SAC at institute-level committees, including:

- The Board of Studies (BoS)
- Class Monitoring Committee (CMC)
- Academic Council (AC)
- Governing Body (GB)
- Sports Committee Library Committee
- Hostel Committee Cultural Committee
- Discipline Committee, etc.

The council provides continuous feedback for the holistic development of student success academics and extracurricular activities. Shares feedback to improve teaching and learning methods, placements and other activities with the concerned authorities

#### Outcome:

- Considerable improvement in the confidence levels, Team spirit, leadership qualities and Managerial skills as it was evident in academic improvement and placements.
- Conducting various activities like, technical events, guest lectures, sports and cultural events etc. A learning community is created for peer group learning
- Extended Community Services to support nearby villages and schools.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://vignaniit.edu.in/sac.php">https://vignaniit.edu.in/sac.php</a>

#### 5.3.3 - Number of sports and cultural events / competitions organised by the institution

39



File Description	Documents
Report of the event	<a href="#">View File</a>
List of sports and cultural events / competitions organised per year	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>

## 5.4 - Alumni Engagement

5.4.1 - The Alumni Association and its Chapters (registered and functional) contribute significantly to the development of the institution through financial and other support services

The Alumni Association (Reg. No.150/2008) serves as a prominent networking platform between graduates and the institution. A substantial number of our alumni actively engage in the association, providing generous support to our Institute through financial contributions and other forms of assistance. The Dean of Student Affairs oversees the association, while the alumni support present students through guest lectures, seminars, philanthropic donations, business alliances, internships, and career placements.

### Activities of Alumni Association:

- Conduction of Alumni Meets.
- Inviting Alumni for guest lectures, technical support to the students, placement drives, Internships etc.,
- Frequent interactions with the existing students to exchange views on emerging trends at workplace and industries

### Contribution of the Alumni Association

- Active participation in institutional committees contributes to the curriculum design and implementation.
- It facilitates the design of real-time industry problems that are treated as mini projects for students.
- This practice fosters the development of students' analytical thinking skills and bridges the industry institution gap.

### Outcome:

- Contributed Rupees 20.92 lakh.
- The association provided support to students in

securing successful placements in MNCs and nurturing their entrepreneurial aspirations, leading them to become prosperous entrepreneurs.

- Delivered 05 guest lectures
- The Alumni's advice has led to the introduction of a few courses in the curriculum.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional Information	<a href="https://alumni.vignaniit.edu.in/">https://alumni.vignaniit.edu.in/</a>

**5.4.2 - Alumni's financial contribution during the year**

A. ? 15 Lakhs

File Description	Documents
Upload any additional information	<a href="#">View File</a>

## GOVERNANCE, LEADERSHIP AND MANAGEMENT

### 6.1 - Institutional Vision and Leadership

6.1.1 - The governance of the institution is reflective of an effective leadership in tune with the vision and mission of the Institution

The effective governance process of the Institute has resulted in developing internationally accepted professionals. The governance is design as per the stated Vision and Mission for the holistic development of student and welfare of staff. Hence all our governance policies are aligned to it.

In order to meet changing demands of industry and society the leadership of the institute has taken decision to modified the curriculum.

Project based learning and skill-based courses, product-based training etc., were introduced. In order to prepare the students of the institute in tune with Vision and Mission.

Leadership has decided to recruit the more qualified candidates from premiere institutions as faculty members. So that they can help students to involve research problems which can bring the

solution for various societal and industry problems.

As a result of the above students were developed holistically as stated in the Mission statement.

Both faculty and students were given awards and rewards for their excellent performance in research and other activities. Projects based on societal issues were carried by both staff and students. Games and sports are imbibed in the curriculum.

Impact:

- Achieved 85% placements with average package of 3.5 lakhs.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional Information	<a href="https://vignaniit.edu.in/vision.php">https://vignaniit.edu.in/vision.php</a>

6.1.2 - Effective leadership is reflected in various institutional practices such as decentralization and participative management

Effective leadership is evident from the successful services rendered over the past two decades, and accredited to be one of the preferred institutions in the region. Adopted a decentralized methodology of executing through well-structured organizational hierarchy, which resulted in immense success in academics and non-academics. Institutional handbook, clearly defines the roles and responsibilities of all positions of the Institute.

Effective leadership is reflected in all day-to-day activities as there is participative management is in place.

The Apex bodies of the institute have given broad outlines for realizing the Vision & Mission of the institute within the stipulated time.

The systematic approaches of decentralization and participative management at next level helped to execute the guidelines set of by Apex bodies.

Further decentralization of activities is a transparent way 18 sub committees worked at lower level.

The feedback collected time to time from all the stakeholders has supported effective leadership. As a result, staff and students respected the system and executed their responsibilities.

**Impact:**

- More than 95% admissions.
- 95% faculty members achieved more than 90% feedback.
- No of publications improved to 133 and h-index is 26.
- Placements reached to 92% with good package.

Gender bias is completely nullified

File Description	Documents
Upload strategic plan and deployment documents on the website	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>
Paste link for additional Information	<a href="https://vignaniit.edu.in/index.php">https://vignaniit.edu.in/index.php</a>

## 6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ Perspective plan has been clearly articulated and implemented

The Strategic plan of the institute has been developed by the Planning and Monitoring Committee of the institute. It has been articulated and implemented with true sprit to realize the Vision and Mission of the institute.

As per the Strategic plan the following initiatives are taken up

**v Academic Planning:**

- Introduced Value-Added Courses and Add on Courses in the curriculum to enhance skills and knowledge of the students.
- Various teaching methodologies are adopted for effective delivering of contents.

**v Infrastructure Development:**

- Developed an AICTE sponsored exclusive IDEA laboratory for converting ideas in to products.

- Two skill development laboratories are established.
- Created more number of class rooms and laboratories.

v Faculty:

- Recruited more number of doctorates among the faculty. Number of workshops on research methodologies and pedagogic skills were organized.

v Research and Faculty Development:

- As stated in the plan number of research publications reached to 133.
- Research projects were submitted to funding agencies.

Impact:

- Number of doctorates among the faculty improved to 100.
- H-index increased to 26
- 37 projects are submitted

File Description	Documents
Strategic Plan and deployment documents on the website	<a href="#">View File</a>
Paste link for additional information	<a href="https://vignaniit.edu.in/naac/criteria6/6.2.1.Attachments/Strategic%20Plan%20of%20the%20Institute%202017-22.pdf">https://vignaniit.edu.in/naac/criteria6/6.2.1.Attachments/Strategic%20Plan%20of%20the%20Institute%202017-22.pdf</a>
Upload any additional information	<a href="#">View File</a>

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

Institution observed transparency in conducting all its activities adhering to policies, rules and regulations. After along prolonged deliberation Apex bodies set various goals and guidelines for bring improvement as per the needs of industry and higher education.

Governing Body (GB):

Governing Body consisting of external, internal and student members provided guidelines to improve quality of teaching, improvement of pass percentage and research publications and improvement in the infrastructure.

**Academic Council (AC):**

Academic Council discussed and approved the changes in the curriculum and performance of students in various exams.

**Finance Committee (FC):**

Finance Committee consisting of management member, authorized auditor and internal members reviewed the mobilization and allocation of funds and also their utilization.

Statutory Committees - The '18' statutory committees formed for effective implementation of policies and smooth running of institute. These committees met periodically and discussed administrative procedures to be followed for an effective implementation of service rules and other guidelines.

**Impact:**

- Quality and number of admissions have been improved.
- The pass percentage of the students in the academics has been enhanced.
- The percentage of placements reached to 92.
- Number of publications and quality of research has been improved.

File Description	Documents
Paste link to Organogram on the institution webpage	<a href="https://vignaniit.edu.in/ssr/criteria6/6.2.1/6.2.1.c%20Organizational%20structure.pdf">https://vignaniit.edu.in/ssr/criteria6/6.2.1/6.2.1.c%20Organizational%20structure.pdf</a>
Upload any additional information	<a href="#">View File</a>
Paste link for additional Information	<a href="https://vignaniit.edu.in/policies%20and%20perspective.php">https://vignaniit.edu.in/policies%20and%20perspective.php</a>

**6.2.3 - Implementation of e-governance in areas of operation: Administration Finance**

A. All of the above

## and Accounts Student Admission and Support Examination

File Description	Documents
ERP (Enterprise Resource Planning) Documen	<a href="#">View File</a>
Screen shots of user interfaces	<a href="#">View File</a>
Details of implementation of e-governance in areas of operation	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

### 6.3 - Faculty Empowerment Strategies

6.3.1 - The institution has effective welfare measures for teaching and non-teaching staff and avenues for their career development/ progression

The various welfare measures are introduced for the benefit of teaching and non-teaching staff.

#### Welfare measures:

- Performance appraisal system.
- Awards and rewards based on research, academic and committed service
- Financial aid to attend conference.
- PF for teaching staff & ESI for non-teaching staff.
- Group health insurance to all teaching & non-teaching staff.
- Tuition Fee concessions for the wards of the staff members.
- Wedding Gifts for staff.
- Free transport and subsidized transport for staff.
- Tea/Coffee and snacks to all the staff members.
- Paid Maternity, Paternity, Marriage, Study, Medical and Special leaves to all.
- Facility for encashment the Earned Leaves (ELs).

#### Impact:

- 257 faculty members have used financial assistance to attend conferences and workshops.
- 90 teaching staff and 28 non-teaching staff have utilized free and subsidized transport.
- 24 teaching staff received Sastra award.
- 97 teaching staff members received Vishista seva award.

- 27 teaching staff members received Pratibha award.
- 28 non-teaching staff members received Vishista seva award.
- 24 non-teaching staff members obtained Tuition Fee concessions for their wards to the extent of Rs. 6,21,250 by non-teaching staff.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://vignaniit.edu.in/staff_welfare.php">https://vignaniit.edu.in/staff_welfare.php</a>

### 6.3.2 - Number of teachers provided with financial support to attend conferences / workshops and towards payment of membership fee of professional bodies during the year

257

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Details of teachers provided with financial support to attend conference, workshops etc during the year (Data Template)	<a href="#">View File</a>

### 6.3.3 - Number of professional development / administrative training programmes organized by the Institution for its teaching and non-teaching staff during the year

19

File Description	Documents
Reports of the Human Resource Development Centres (UGC HRDC/ASC or other relevant centres)	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>

### 6.3.4 - Number of teachers who have undergone online/ face-to-face Faculty Development Programmes during the year: (Professional Development Programmes, Orientation / Induction Programmes, Refresher Courses, Short-Term Course, etc.)

316



File Description	Documents
Summary of the IQAC report	<a href="#">View File</a>
Reports of the Human Resource Development Centres (UGC ASC or other relevant centers)	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>

## 6.4 - Financial Management and Resource Mobilization

### 6.4.1 - Institution conducts internal and external financial audits regularly

The Institution has an effective financial audit mechanism. Regular internal and external financial audits are conducted. Established a full pledged finance department with administrative setup and functioning with strict adherence prescribed by accounting standards and as per Finance Committee recommendations.

Both the internal and external audits are supervised by a certified Chartered Accountant, who periodically audits the Institute's accounts in compliance with statutory provisions.

#### External Audit:

The ICAI certified audit firm is the external Chartered Accountant which audits the financial statements and submits annual financial reports. The auditors visit the Institute once in every six months and carry out audits of account statements prepared by the Finance team. 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.

#### Internal Audit:

Internal Audit Team audits the transactions and all books of accounts of the institution continuously and prepares quarterly audit reports and the reports are submitted to the Principal through Finance and Accounts Manager of the institution.

#### Impact:

No anomalies are noticed by the auditors in the year 2022-23.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://vignaniit.edu.in/finance_committee.php">https://vignaniit.edu.in/finance_committee.php</a>

#### 6.4.2 - Funds / Grants received from non-government bodies, individuals, and philanthropists during the year (not covered in Criterion III and V) (INR in lakhs)

13.5

File Description	Documents
Annual statements of accounts	<a href="#">View File</a>
Details of funds / grants received from non-government bodies, individuals, philanthropists during the year	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

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

The funds are mobilized from different sources, however the tuition fee from students is the main source of income.

##### Financial resource mobilization policy:

- Tuition fee is collected from students before the commencement of every semester.
- The research grant received from DST, AICTE has been spent as per the guidelines mentioned in the project approval letters.
- Three philanthropists came forward to provide funds for the benefit of students.

##### Overall expenditure:

The major heads of expenditure are as follows:

- 45-50% salaries.
- 10% for R&D
- 20 - 25% for other recurring expenditure.
- Surplus 15 -20% utilized for augmenting infrastructure.

**Strategies for optimal resource utilization:**

- ERP developed by faculty-student team is being used for all its activities.
- Preventive maintenance by in-house personnel and through AMCs to avoid costly break down of equipment.
- Health insurance and accident coverage for all staff and students.
- Purchases through quotations to obtain competitive prices.
- Capital budgeting to optimize long term research objectives with establishment of Centre of Excellence and laboratory.

**Impact:**

- With the above strategies the mobilization and optimum utilization of resources is practiced.
- The institute is substantially grown in all fronts without compromising on quality

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional Information	<a href="https://vignaniit.edu.in/policies%20and%20perspective.php">https://vignaniit.edu.in/policies%20and%20perspective.php</a>

**6.5 - Internal Quality Assurance System**

6.5.1 - Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing quality assurance strategies and processes visible in terms of incremental improvements made during the preceding year with regard to quality (in case of the First Cycle): Incremental improvements made during the preceding year with regard to quality and post-accreditation quality initiatives (Second and subsequent cycles)

*IQAC has steered the best practices, that enabled overall quality enhancement, that included globally accepted practices in curricula development, teaching learning process, research and innovation, infrastructure development, student development and overall governance. The student satisfaction survey conducted also provided some inputs for improvement.*

The following are the major initiatives:

- **Curricula:** 85% of the courses to be delivered through different teaching methodologies, and focused on Value-Added Courses.

- **Teaching Learning Process:** All the faculty members were advised to use ICT and different teaching methodologies mentioned in NEP-2020.
- **Research and Innovation:** H-Index and citations of the institute increase to 26 and 1200 respectively. Recommended for the submission of more than 37 innovative projects addressing social needs.
- **Infrastructure and Student Development:** Maintaining a green campus with optimum utilization of natural resources. Development of academic facilities for better learning. Sports and games to made a part of curriculum.
- **Governance:** Institute governance to be automated. More welfare schemes to be introduced.

**Impact:**

- 90% courses are delivered through different ICT facilities using different methodologies.
- H-index improved to 26
- Number of publications reaches to 133
- Institution has been recognized as green campus.
- All the systems are automated.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://vignaniit.edu.in/iqac.php">https://vignaniit.edu.in/iqac.php</a>

6.5.2 - The institution reviews its teaching-learning process, structures and methodologies of operation and learning outcomes at periodic intervals through its IQAC as per norms

The IQAC reviews the Teaching Learning processes on a regular basis and makes needful recommendations, for the improvement of the operations and learning outcomes. IQAC ensured that the Academic Calendar is prepared well in advance and placed in the institute website and circulated among all the stake holders.

As part of the methodologies of operation bridge course is conducted to bring awareness among the students about institute systems, evaluation process and responsibilities.

The IQAC team made periodically visits to ensure smooth functioning of classes. Class Representative meetings were

regularly conducted and based on the feedback appropriate steps were taken to enhance the teaching-learning process.

The major initiatives taken in the year 2022-23:

- Student research publications
- Workshops on curriculum development and quality publications.
- Application for NIRF, ISO and NBA Certifications
- Mentor-Mentee system.
- Monitoring of class delivery by senior administers.
- Attendance portal for effective monitoring of class work.
- Syllabus coverage within stipulated time
- Special classes for slow and advanced learners
- Industrial Visits & Guest Lectures
- Automation of Admission and Examination processes.
- Environmental conscious initiatives on campus

Impact:

- 100% syllabus coverage with in the stipulated time.
- Able to monitor attendance of students and staff.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://vignaniit.edu.in/iqac.php">https://vignaniit.edu.in/iqac.php</a>

**6.5.3 - Quality assurance initiatives of the institution include Regular meeting of the IQAC Feedback collected, analysed and used for improvement of the institution Collaborative quality initiatives with other institution(s) Participation in NIRF Any other quality audit recognized by state, national or international agencies (such as ISO Certification)**

**A. Any 4 or all of the above**

File Description	Documents
Paste the web link of annual reports of the Institution	<a href="https://vignaniit.edu.in/igac.php">https://vignaniit.edu.in/igac.php</a>
Upload e-copies of accreditations and certification	<a href="#">View File</a>
Upload details of quality assurance initiatives of the institution	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>

## 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 year

Gender equity is given utmost priority in every activity of the institute. Care is taken to have some courses in the curriculum on gender equity issues. Many curricular and co-curricular activities are conducted to sensitize everyone, to the importance of gender equity. Experts are invited and talks are arranged to empower both female faculty and female students.

The following initiatives are taken to promote gender equity:

- A special placement drive exclusively for girl students
- An Awareness Program on "Cultivating a Healthy Mind for Better Studies"
- Health Check-up & Medical Camp for Girl Students
- An Awareness Program on "Art of Mind Control"
- An Awareness Program on "Prevention of Crime"

Facilities for women on campus:

- Safety and Security - The entire campus is under CCTV surveillance, with women security and also female PD for training girl students.
- Counselling - Students are counselled by their mentors to overcome any imbalances especially those that arise in the transition from teenage to adolescence.
- Common rooms- For students to comfortably rest, when unwell.
- Day Care Centre - Facilitates faculty to babysit the kids at work.

**Impact :**

- **Girls and female faculty enjoy respect on the campus**
- **increased the percentage of female students and female faculty**

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional Information	<a href="https://vignaniit.edu.in/wepCell.php">https://vignaniit.edu.in/wepCell.php</a>

**7.1.2 - The Institution has facilities for alternate sources of energy and energy conservation: Solar energy Biogas plant Wheeling to the Grid Sensor-based energy conservation Use of LED bulbs/ power-efficient equipment**

**A. Any 4 or All of the above**

File Description	Documents
Geotagged Photographs	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

**7.1.3 - Describe the facilities in the institution for the management of the following types of degradable and non-degradable waste (within a maximum of 200 words)**

**The Institute has taken enough care to manage both degradable and non-degradable waste. Following the concept of Reduce, Reuse and Recycle. Steps are taken to collect and dispose of the waste by following systematic and scientific methods.**

- **Solid Waste:** Large dustbins are in place for Green Bins degradable and Red for non-degradable are kept all over the campus for collection and disposal of waste. The decomposed waste from the large dump pits is used as manure for the plants on campus. The use of plastic items is prohibited on the campus. Incinerators are available for safe and hygienic disposal of used items. Kitchen waste is used in biogas plants.
- **e-waste:** The electronics and electrical waste generated is collected and disposed of through a third party with whom the MOU is signed.

**Liquid Waste:** A separate sewage treatment plant is in place to

treat the wastewater generated. The treated water is used for gardening.

**Biomedical Waste:** The biomedical waste generated is collected separately and disposed of by incineration process.

**Bio-Degradable waste:** It is converted into Bio-Gas and is used in the kitchen

**Impact:** The Institute is rated as a Green campus and Eco-friendly Accredited as a GREEN INSTITUTE.

File Description	Documents
Relevant documents like agreements/MoUs with Government and other approved agencies	<a href="#">View File</a>
Geotagged photographs of the facilities	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

**7.1.4 - Water conservation facilities available in the Institution: Rain water harvesting Bore well /Open well recharge Construction of tanks and bunds Waste water recycling Maintenance of water bodies and distribution system in the campus**

**A. Any 4 or all of the above**

File Description	Documents
Geotagged photographs / videos of the facilities	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

**7.1.5 - Green campus initiatives include**

**7.1.5.1 - The institutional initiatives for greening the campus are as follows:**

- 1. Restricted entry of automobiles**
- 2. Use of bicycles/ Battery-powered vehicles**
- 3. Pedestrian-friendly pathways**
- 4. Ban on use of plastic**
- 5. Landscaping**

**A. Any 4 or All of the above**



File Description	Documents
Geotagged photos / videos of the facilities	<a href="#">View File</a>
Various policy documents / decisions circulated for implementation	<a href="#">View File</a>
Any other relevant documents	<a href="#">View File</a>

### 7.1.6 - Quality audits on environment and energy undertaken by the institution

<p><b>7.1.6.1 - The institution's initiatives to preserve and improve the environment and harness energy are confirmed through the following:</b></p> <ol style="list-style-type: none"> <li><b>1. Green audit</b></li> <li><b>2. Energy audit</b></li> <li><b>3.Environment audit</b></li> <li><b>4.Clean and green campus recognitions/awards</b></li> <li><b>5.Beyond the campus environmental promotional activities</b></li> </ol>	<p><b>A. Any 4 or all of the above</b></p>
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File Description	Documents
Reports on environment and energy audits submitted by the auditing agency	<a href="#">View File</a>
Certification by the auditing agency	<a href="#">View File</a>
Certificates of the awards received	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

<p><b>7.1.7 - The Institution has a disabled-friendly and barrier-free environment: Ramps/lifts for easy access to classrooms and centres Disabled-friendly washrooms Signage including tactile path lights, display boards and signposts Assistive technology and facilities for persons with disabilities: accessible website, screen-reading software, mechanized equipment, etc. Provision for enquiry and information: Human assistance,</b></p>	<p><b>A. Any 4 or all of the above</b></p>
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reader, scribe, soft copies of reading materials, screen reading, etc.

File Description	Documents
Geotagged photographs / videos of facilities	<a href="#">View File</a>
Policy documents and brochures on the support to be provided	<a href="#">View File</a>
Details of the software procured for providing assistance	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

7.1.8 - Describe the Institutional efforts/initiatives in providing an inclusive environment i.e. tolerance and harmony towards cultural, regional, linguistic, communal, socio-economic and other diversities (within a maximum of 200 words).

**Efforts of the institution to promote tolerance and harmony:**

- All the students are purely merit basis and everyone is treated equally without any discrimination based on caste, gender, religion, etc.
- The roaster system is followed as per the government guidelines during the admissions.
- Inclusive Teaching Learning Process is adopted to take care of everyone.
- The students and staff are actively involved in organising events including Curricular and Cocurricular activates
- Activities based on culture and heritage are conducted regularly to invite cultural harmony among the students.
- Extension activities are carried out for students and faculty to understand the socio-economic conditions prevalent in society.
- All the festivals such as Sankranthi, Ugadi, Dussehra, Pre-Diwali, Krishnastami, Semi-Christmas, Ganesh Chaturthi and Ramzan are celebrated to make everyone understand the importance of the religious festivals.
- All national days are organized with full enthusiasm.
- Fundamental rights and duties of Indian citizens are disseminated at various student gatherings.
- Candidates from different states having different mother tongues are continuously recruited.
- Develop social responsibility among the students by engaging

them in society-centric projects.

**Impact:**

- No communal or religious misunderstandings have cropped up during the year.
- Students actively participate in all religious festivals irrespective of their own religion.

File Description	Documents
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	<a href="#">View File</a>

7.1.9 - Sensitization of students and employees of the institution to constitutional obligations: values, rights, duties and responsibilities of citizens:

The institution creates awareness among students on fundamental rights and duties through various events and endeavours to shape them into responsible citizens. Proper care is taken to mentor and prepare the current generation students through the activities where all the students realise the importance of social responsibility.

- Preamble of Indian Constitution is displayed at important locations in the institution.
- Course on Constitution of India is offered as the part of curriculum.
- Courses on Professional Ethics and Human Values, Intellectual Property Rights, Essence of the Indian Knowledge System are introduced.
- The class work starts every day with recital of "Vande Mataram".

**constitutional Values:** In order to educate both faculty and students the importance of Indian constitution, different activities are conducted.

**FUNDAMENTAL RIGHTS:** Students and faculty are educated on the rights each one possesses

**FUNDAMENTAL DUTIES:** Motivational talks, guest lecturers and activities are conducted to teach the importance of Fundamental rights and duties provided by the constitution.

**Sensitization activities:**

- Awareness on constitutional Rights & Responsibility
- Awareness on Building safer community
- Republic day & Independence Day celebrations
- National Unity Celebrations
- Sessions on freedom struggle
- Awareness on understanding the role of citizen
- Session on Legal aids etc.

File Description	Documents
Details of activities that inculcate values necessary to transform students into responsible citizens	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

**7.1.10 - The institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts periodic sensitization programmes in this regard: The Code of Conduct is displayed on the website There is a committee to monitor adherence to the Code of Conduct Institution organizes professional ethics programmes for students, teachers, administrators and other staff Annual awareness programmes on the Code of Conduct are organized**

**A. All of the above**

File Description	Documents
Code of Ethics - policy document	<a href="#">View File</a>
Details of the monitoring committee composition and minutes of the committee meeting, number of programmes organized, reports on the various programmes, etc. in support of the claims	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

**7.1.11 - Institution celebrates / organizes national and international commemorative days, events and festivals**

**The institution organizes the National and International**

commemorative days, events and festivals to promote a spirit of nationalism and patriotic fervour among students and staff. Eminent personalities like veteran politicians, freedom fighters, retired defence personnel, public servants, and judges are invited as guest speakers to address the faculty and students. Various competitions are conducted for students and faculty.

- Birth anniversaries of eminent freedom fighters, social reformers and great Indian personalities are celebrated to commemorate their selfless-service and sacrifices.
- International Women's Day and International Yoga Day are conducted every year.
- Environment Day is celebrated on 5th June and Earth Day is celebrated on 22nd April to bring awareness among students about climate change and global warming.
- National Science Day and Mathematics Day are commemorated on 28th February, and 22nd December with an objective to develop the essence of science & technology.
- Engineering Day is celebrated on 15th Sep by exhibiting the projects developed to solve societal problems.
- The institution celebrates all festivals like Sankranti, Dussehra, Ugadi, Krishnastami, Christmas, Ramzan etc. by involving all faculty and students.
- Plastic usage is banned.

#### Impact:

Promoted the religious, cultural and social harmony among the students and the staff

File Description	Documents
Annual report of the celebrations and commemorative events for during the year	<a href="#">View File</a>
Geotagged photographs of some of the events	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

## 7.2 - Best Practices

7.2.1 - Provide the weblink on the Institutional website regarding the Best practices as per the prescribed format of NAAC

**Best Practice-1: FELICITATION OF PARENTS**

Parents' felicitation is adopted as a tradition.

**Objectives of the Practice:** To ensure that the students realize the hard work and sacrifice of parents in the success story of the student.

**The Context:** The current generation students are self-centric, over confident and they don't respect either the parents or the system.

**The Practice:** Parents of the outgoing students are invited to the campus and are felicitated in a grand scale.

**Evidence of Success:** Students have excelled in their careers and strive hard to be successful so that their parents will be also felicitated.

**Problems Encountered and Resources Required:** Organizing such a mega event, required huge funds and effective plan to conduct the event.

**Best Practice-2: TRANSDISCIPLINARY TRAINING TO CORE ENGINEERING STUDENTS**

**Objective:** To prepare core Engineering Student to Information Technology (IT) Jobs with High-Package.

**Context:** Jobs in the production Sector is dwindling year by year. To develop Programming Skills, Coding ability among Civil, Electrical and Mechanical Engineering Students.

**Practice:** Introduced course on Programming Skills and given special training on coding.

**Evidence of Success:** 50-60% Students in IT industry

**Problems Encountered:** Mind set of Students towards core jobs

**Resources Required:** Required huge funds for placement activities.

File Description	Documents
Best practices in the Institutional website	<a href="https://vignaniit.edu.in/ssr/criteria7/7.2.1/7.2.1.Best%20Practice-1&amp;2.pdf">https://vignaniit.edu.in/ssr/criteria7/7.2.1/7.2.1.Best%20Practice-1&amp;2.pdf</a>
Any other relevant information	<a href="https://vignaniit.edu.in/Best.php">https://vignaniit.edu.in/Best.php</a>

### 7.3 - Institutional Distinctiveness

7.3.1 - Highlight the performance of the institution in an area distinct to its priority and thrust (within a maximum of 200 words)

**ACCESSIBLE, AFFORDABLE AND QUALITY EDUCATION TO STUDENTS OF SOCIAL AND ECONOMICALLY WEAKER SECTIONS.**

#### Context :

Most of the students taking the admission are found to be wards of socially and economically poor parents. It is observed that such students are technically strong and having urge to excel, however lack of confidence due to poor communication skills. Measures taken to make them globally competent:

- **Development of Communication and Confidence**
  - A special training program focusing on verbal and non-verbal communication skills It prioritizes nurturing students with excellent academics, creative thinking, social awareness, and emotional balance, all by the quality framework outlined in NEP 2020.
- **Mean and Merit Scholarships**
  - The Institute provides Mean and Merit Scholarships, Rs.15.50 for the AY 2022-23.
- **Bridge courses and Induction Program:**
  - A 30-day bridge course is organized to enhance and cultivate students' self-confidence. This course includes motivational case studies of individuals.
- **Counselling and Mentoring**
  - Effective Counselling mechanism in place to counsel and mentor whenever the students suffer from emotional imbalances
- **Holistic Development**
  - Involving students in various co-curricular and extra-curricular events organized by the Student Activity Council (SAC)
- **Industry connect through Semester Long Internships and Field**

**projects:**

- To expose students to real-time industrial environment and observe practicality of classroom knowledge field projects and semester-long internships are arranged and they are made ready to work in industries and also to boost the confidence levels.

**Outcomes**

- 90% students are placed in top MNCs, with an average salary package of Rupees Six Lakhs per annum.

File Description	Documents
Appropriate link in the institutional website	<a href="https://vignaniit.edu.in/Inst_Dist.php">https://vignaniit.edu.in/Inst_Dist.php</a>
Any other relevant information	<a href="#">View File</a>

**7.3.2 - Plan of action for the next academic year****Plan of Action for the Academic Year 2023-24**

- To obtain NIRF rank
- To revise the curriculum with more value-add courses addressing the industry and societal needs.
- To improve the Institute h-index from 27 to 31.
- Overall attainment to increase from 3.00 to 3.25
- To recruit more number of doctorates with good academic and industrial experience, who can expose students to real-time environment.
- To publish more than 1200 research papers and to obtain research grants to the tune of Rupees One-Two Crore.
- To file at least Fifteen patents and establish two incubation centres
- To augment the infrastructure with more space, more number of systems and laboratory facilities.
- To increase the average package of placements to Rs.7 Lakhs per annum. To bag at least Ten GATE ranks below 1000.
- To develop at least Ten entrepreneurs
- Conduct Ideathons and Hackathons for students to gather 200 ideas and fund five of them as start-ups that address predominantly societal problems.
- Conduct two International and two National conferences.
- More than 100 extension activities to be conducted.