



# YEARLY STATUS REPORT - 2020-2021

## Part A

### Data of the Institution

#### 1. Name of the Institution

VISHNU INSTITUTE OF TECHNOLOGY

- Name of the Head of the institution **Dr. D. Suryanarayana**
- Designation **Principal**
- Does the institution function from its own campus? **Yes**
  
- Phone No. of the Principal **08816251333**
- Alternate phone No. **08816251333**
- Mobile No. (Principal) **9949433588**
- Registered e-mail ID (Principal) **info@vishnu.edu.in**
- Address **Vishnupur**
- City/Town **Bhimavaram**
- State/UT **Andhra University**
- Pin Code **534202**

#### 2. Institutional status

- Autonomous Status (Provide the date of conferment of Autonomy) **28/02/2019**
- Type of Institution **Co-education**
  
- Location **Rural**

- Financial Status **Self-financing**
- Name of the IQAC Co-ordinator/Director **Dr. D. J. Nagendra Kumar**
- Phone No. **08816251333**
- Mobile No: **9959906809**
- IQAC e-mail ID **de@vishnu.edu.in**

**3. Website address (Web link of the AQAR (Previous Academic Year))** <https://vishnu.edu.in/naac>

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

- if yes, whether it is uploaded in the Institutional website Web link: <https://vishnu.edu.in/AcademicCalendar.php>

### 5. Accreditation Details

Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
<b>Cycle 1</b>	<b>A++</b>	<b>3.51</b>	<b>2020</b>	<b>01/01/2020</b>	<b>31/12/2024</b>

**6. Date of Establishment of IQAC** **05/03/2018**

**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. D. Suryanarayana	CSI	DST	01/01/2013	24.65
Mrs. M. Srilakshmi	WOSA	DST	01/01/2013	25.1
Dr. K. Hima Bindu	FTP7	SERB	01/01/2015	34.42
Dr. N. Padmavathy	SSB	NRB	01/01/2019	18.29
Dr. K. Ganga Raju	DST	DST	01/01/2019	28.97
Dr. R.V.D. Rama Rao	MODROBS	AICTE	01/01/2020	13.44

#### 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 4

- 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)

## Course Curriculum Design

## OBE

## Student Learning in Instructional Design (SLIDE)

## Writing Effective Research Proposals

## Design of Experiments

**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
Number of Placement should be improved	Got offers in total for this academic year passedout students
Introduction of New BTech Courses	Applied to AICTE for introduction of new BTech courses in Artificial Intelligence and Data Science (AI&DS) and Computer Science and Business System (CS&BS)

**13. Was the AQAR placed before the statutory body? No**

- Name of the statutory body

Name of the statutory body	Date of meeting(s)
NA	Nil

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

- Year

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

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Course Curriculum Design	
OBE	
Student Learning in Instructional Design (SLIDE)	
Writing Effective Research Proposals	
Design of Experiments	
<b>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:</b>	
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<b>13. Was the AQAR placed before the statutory body?</b>	<b>No</b>				
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<b>14. Was the institutional data submitted to AISHE ?</b>	<b>Yes</b>				
<ul style="list-style-type: none"> <li>Year</li> </ul>					
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Year	Date of Submission				
<b>30/01/2022</b>	<b>30/01/2022</b>				
<b>15. Multidisciplinary / interdisciplinary</b>					
Interdisciplinary work is being undertaken in the form offering Software Courses to core branch students too, offering ATL and NI LabView training to all core and circuit branch students					
<b>16. Academic bank of credits (ABC):</b>					
Not yet implemented					
<b>17. Skill development:</b>					
Skill Development Courses are given to students by each and every Department for the skill enhancement of the students					
<b>18. Appropriate integration of Indian Knowledge system (teaching in Indian Language, culture, using online course)</b>					
JNTUK MOOCS & Online Courses like NPTEL courses are being encouraged					
<b>19. Focus on Outcome based education (OBE): Focus on Outcome based education (OBE):</b>					
OBE is strictly followed. Every subjects has defined COs. CO, PO, PSO Attainments are assessed regularly					
<b>20. Distance education/online education:</b>					
Online Classes and Offline Exams are followed					



## Extended Profile

<b>1.Programme</b>	
1.1	<b>2</b>
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	<b>3440</b>
Total number of students during the year:	
File Description	Documents
Institutional data in Prescribed format	<a href="#">View File</a>
2.2	<b>768</b>
Number of outgoing / final year students during the year:	
File Description	Documents
Institutional Data in Prescribed Format	<a href="#">View File</a>
2.3	<b>3254</b>
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	<b>13</b>
Number of courses in all programmes during the year:	
File Description	Documents
Institutional Data in Prescribed Format	<a href="#">View File</a>

3.2	236
Number of full-time teachers during the year:	
File Description	Documents
Institutional Data in Prescribed Format	No File Uploaded
3.3	28
Number of sanctioned posts for the year:	
<b>4.Institution</b>	
4.1	512
Number of seats earmarked for reserved categories as per GOI/State Government during the year:	
4.2	66
Total number of Classrooms and Seminar halls	
4.3	1466
Total number of computers on campus for academic purposes	
4.4	772.2444
Total expenditure, excluding salary, during the year (INR in Lakhs):	
<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.	
The curriculum is designed / framed and approved by the Board of Studies (BoS) members of the respective departments and approved by the Academic Council of Jawaharlal Nehru Technological University (JNTU), Kakinada. The college calendar of events is prepared in line with the University calendar of events. The calendar of events includes the faculty & head of the department meetings, parent's meetings, various events to be conducted at the	

institute level, attendance calculation & display of results, internal assessment conduction. The individual departments prepare the department calendar of events in line with the college calendar of events. The heads of the departments ensure the adherence of all the academic activities as per the calendar of events. The department faculty members prepare the class time table and lesson plan as per the guidelines. Lesson plan includes lecture hours, topic to be taught and tutorial classes during the semester.

Student's performance is assessed through Continuous Internal Evaluation (CIE) by conducting Internal Assessment (IA) test and assignments as per JNTUK guidelines. The question papers for the IA contains knowledge levels as per Bloom's Taxonomy and Course Outcomes. All faculty members maintain course files which includes timetable, calendar of events, class list, lesson plan, IA Marks Analysis, Attendance, previous examination question papers, IA question papers with scheme of evaluation and performance details of the students. Along with the curriculum, students are encouraged to participate and present their innovative ideas in various Hackathons, Design Competitions at national and international level to enhance their knowledge and boost their morale and confidence. The gaps in the curriculum are identified as per the industry requirements. Guest lectures, student development programme, industrial visits and internships are organized to bridge the gap between industry and academia. Placement training activities are also introduced for the pre-final and final year students.

File Description	Documents
Upload additional information, if any	No File Uploaded
Link for additional information	<a href="https://vishnu.edu.in/NAAC/AQAR2020-21/1_1_1CurriculaDevelopedandImplemented.pdf">https://vishnu.edu.in/NAAC/AQAR2020-21/1_1_1CurriculaDevelopedandImplemented.pdf</a>

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

16

File Description	Documents
Minutes of relevant Academic Council/BOS meeting	No File Uploaded
Details of syllabus revision during the year	No File Uploaded
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

21

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	No File Uploaded
MoUs with relevant organizations for these courses, if any	No File Uploaded
Any additional information	No File Uploaded

## 1.2 - Academic Flexibility

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

1

File Description	Documents
Minutes of relevant Academic Council/BoS meetings	No File Uploaded
Any additional information	No File Uploaded
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

In all the six B.Tech. Courses, we do offer CBCS Elective Courses

File Description	Documents
Minutes of relevant Academic Council/BoS meetings	No File Uploaded
Any additional information	No File Uploaded
List of Add on /Certificate programs (Data Template)	No File Uploaded

### 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 has made necessary efforts to build a healthier and harmonious working environment with regard to issues related to gender, environment and sustainability, human values and professional ethics into the curriculum.

#### 1. Gender:

- The College has Women Grievance Cell and Grievance Redressal Cell to provide counselling to students, promote gender equity among students and also deal with issues related to safety / security of female students, staff and faculty.
- Equal opportunities are provided to all in every aspect of teaching and learning in our institute as it believes that gender discrimination is a crime.
- Students of both genders holistically participate in various cocurricular activities organised by the institute as well as outside institutes.
- Every year, our institute organizes Women's Day celebrations to respect the women force at all levels.
- Currently - Department of Information Technology, Electronics and Communication Engineering, Basic Sciences are headed by women faculty and all administrative bodies of the institute have women members.

#### 2.Environment & Sustainability:

- Courses pertaining to environment and sustainability are included in the curriculum with an intention to make the students understand human life and eco-system. It emphasizes on studying and understanding problems of the environment and consequences due to man-made effects on the nature and finding the solutions to preserve the environment.

**3.Moral Values, Human Values and Professional Ethics:**

- Twenty-one days induction programme related to values and ethics is an integral part of the curriculum of the first year. A mandatory course - "Universal Human Values: Understanding Harmony" is offered to craft the into altruistic and conscientious professionals. Various extension programmes are being organized by the institute through NSS unit to create awareness among the rural community with regard to ecological balance and its importance.

**Constitution of India:** It is included in the curriculum with an intention to make the students understand our constitution. The fundamental rights that the constitution of India guarantees its citizens to keep them safe from the bad elements.

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	No File Uploaded
Any additional information	No File Uploaded

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

178

File Description	Documents
List of value-added courses	<a href="#">View File</a>
Brochure or any other document relating to value-added courses	No File Uploaded
Any additional information	No File Uploaded

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

3026

File Description	Documents
List of students enrolled	<a href="#">View File</a>
Any additional information	No File Uploaded

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

439

File Description	Documents
List of programmes and number of students undertaking field projects / internships / student projects	<a href="#">View File</a>
Any additional information	No File Uploaded

### 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://vishnu.edu.in/NAAC/AQAR2020-21/1_4_1Feedback.pdf">https://vishnu.edu.in/NAAC/AQAR2020-21/1_4_1Feedback.pdf</a>
Upload the Action Taken Report of the feedback as recorded by the Governing Council / Syndicate / Board of Management	No File Uploaded
Any additional information	No File Uploaded

**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://vishnu.edu.in/NAAC/AQAR2020-21/1_4_2FeedbackReport.pdf">https://vishnu.edu.in/NAAC/AQAR2020-21/1_4_2FeedbackReport.pdf</a>
Any additional information	No File Uploaded

TEACHING-LEARNING AND EVALUATION	
<b>2.1 - Student Enrollment and Profile</b>	
<b>2.1.1 - Enrolment of Students</b>	
<b>2.1.1.1 - Number of students admitted (year-wise) during the year</b>	
3440	
File Description	Documents
Any additional information	<a href="#">View File</a>
Institutional data in prescribed format	<a href="#">View File</a>
<b>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)</b>	
1666	
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>
<b>2.2 - Catering to Student Diversity</b>	
2.2.1 - The institution assesses students' learning levels and organises special programmes for both slow and advanced learners.	
<p>At VIT, we believe in outcome-based learning processes, where we identify students as slow learners and advanced learners based on the prerequisite tests, class interaction and test performances.</p> <p>We at the institute, give emphasis on improving the performance of slow learners by providing remedial programmes which are conducted outside regular classes. Specifically, for difficult subjects like Applied Mathematics, Engineering Drawing and Engineering Mechanics, Basic Electrical Engineering, Electromagnetic field theory extra classes are taken for students who have failed in the exam where the faculty spares time to sit with those students individually to cope up with the subject.</p> <p>Through a mentor-mentee system also all kinds of support are provided to the slow learners. The strenuous efforts taken by the faculty towards the slow learners has resulted in students'</p>	



understanding in their chosen domain, improved results and pass percentage. The mentor also identifies other skills and strengths and encourages them to hone them which helps build self-confidence resulting in improvement in academic performance also. The mentor takes extra effort to understand the socio-economic backgrounds also which is sometimes a reason for poor performance. All necessary emotional and professional counselling is also provided whenever required. The mentor also connects the weak learners for the subject teachers with whom they are comfortable for extra support. The Institute ensures that a slow learner clears all his courses within stipulated four years of Engineering and also provides extra attention to build additional skills which makes them employable. Parents of students are informed in case of poor academic performance and psycho-social problems whenever necessary.

Advanced learners are given opportunities to be part of innovative projects and other technical initiatives of the institute. The toppers of each class are appointed as Class Representatives and HOD Nominee for the department who are part of students' council so as to give a chance to develop their communication, leadership & team building skills.

They are also given an opportunity to be office bearers of student council and various professional bodies and lead professional activities at University and National Levels. This initiative teaches them to strike a perfect balance between academics and extra & co-curricular activities which goes a long way in achieving success in their professional career.

They are given the opportunity to participate in Hackathons, Paper Presentations, Project Competitions and participate in Summer Projects and Internships. They also help slow learners through peer learning. We also encourage advanced learners to conduct workshops and seminars to share their knowledge. They are also part of the institute's social responsibility where they support the faculty members by teaching and providing skills to the underprivileged students.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://vishnu.edu.in/NAAC/AQAR2020-21/2_2_1StudentLearningLevels.pdf">https://vishnu.edu.in/NAAC/AQAR2020-21/2_2_1StudentLearningLevels.pdf</a>

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

Year	Number of Students	Number of Teachers
30/06/2021	3440	236

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:

VISHNU INSTITUTE OF TECHNOLOGY provides an effective platform for students to develop latest skills, knowledge, attitude, values to shape their behaviour in the correct manner. All departments conduct innovative programs which stimulate the creative ability of students and provide them a platform to nurture their problem-solving skills and ensure participative learning. The institute organizes annual technical fest, VALIANT in which students showcase their learning in the form of innovative projects. Students are also motivated to participate in inter college as well as national level competitions.

The institute focuses on the student-centric methods of enhancing lifelong learning skills of students. Faculty members make efforts in making the learning activity more interactive by adopting the below-mentioned student-centric methods.

1. **Experiential Learning:** Each department conducts add-on programs to support students in their experiential learning. The institution imparts the following experiential learning practices to enhance creativity and cognitive levels of the students -

- Laboratory Sessions are conducted with content beyond syllabus experiments.
- Summer Internship -Students get hands on training while working in the company.
- Add-on Courses on latest technologies with NPTEL, ICT-IITK, SAP, Coursera etc.
- Project development on latest technologies by students where

they showcase their working

model in the technical fest.

- Industrial Visits to engage them in experiential learning while visiting the organization.
- Certification Courses (Value Added Courses) by the market experts such as Microsoft/Google/ NSE etc. to develop their expertise
- Participation in simulated events such as simulated stock exchanges or hackathons where they acquire experience of working on some real-life model.

2. Participatory Learning: In this type of learning, students participate in various activities such as seminar, group discussion, wall papers, projects, and the skill based add on courses. Students are encouraged to participate in activities where they can use their specialized technical or management skills, such as

- Annual Tech Fest - It is organized every year for engineering students where selected projects are displayed at the larger platform.
- Management Fest- This is organized every year by the management students in which students from different colleges participate and learn from each other.
- Annual cultural program - This is organized every year for the students of the college to give a vent to their creativity.
- Regular Quizzes- Quizzes are organized for student participation at intra or inter college level.
- Seminar Presentation - Students develop technical skills while presenting papers in seminars.
- Presentation and publishing of papers in conferences and journals - The objective is to give them exposure to learn and imbibe new skills.
- MOOC Programs (NPTEL, ICT-IITK, SAP, COURSERA etc.)

3. Problem-solving methods: Departments encourage students to

acquire and develop problem-solving skills. For this, college organizes expert lectures on various topics, motivate students to join MOOC courses, participate in various inter-college and intra-college technical fests and other competitions such as:

- In-house summer training with project development
- Regular Assignments based on problems
- Mini Project development
- Regular Quizzes• Case studies Discussion
- Class presentations
- Debates
- Participation in Inter college events

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Link for additional Information	<a href="https://vishnu.edu.in/NAAC/AQAR2020-21/2_3_1StudentCentricMethods.pdf">https://vishnu.edu.in/NAAC/AQAR2020-21/2_3_1StudentCentricMethods.pdf</a>

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

VISHNU INSTITUTE OF TECHNOLOGY Engineering College has always been encouraging its faculty members to use ICT enabled tools for the best outcome of the Teaching-Learning process including online resources for effective teaching and learning process.

There are 25 ICT enabled classrooms in the campus. The campus is Wi-Fi enabled. There are 3 Seminar Halls and 2 conference halls. Both are well equipped with ICT facilities. There is a separate E-Learning centre which helps the teachers in developing e-content in different subjects. Some of the tools used by the faculty for Teaching-Learning are LCD Projectors, Video Conferencing, MOOCS and e-learning technology.

The Integrated Digital library(IDC) with a Central Library of with

nearly more than 50000 of books, periodicals, references, national and international journals and CD-ROMs, in addition to libraries in Engineering and Education Faculties and other Departmental Libraries. It is automated using Integrated Library Management System (ILMS). It has access to IEEE and DELNET where students are exposed to access to more than 5000 e-journals.

EDUSAT based live transmission of lectures have been one of the major delivery content provided to the students. More than 3000 live hours have been conducted till date and different subject experts across the affiliated colleges, Universities and guests from IITs were involved in delivering lecture on academic subjects. Special lectures and technical talk are also arranged by inviting experts from industry.

Some of the key features followed by the teaching fraternity are,

1) Information & Communications Technology (ICT) enabled teaching methodologies and advanced technology are being followed by the faculty members in class rooms.

2) The academic calendar, lesson plan, Time table, unit test schedule, lab manuals and question banks with solutions are made available at the beginning of every semester.

3) The use of multimedia teaching aids like, LCD projectors, classrooms with internet enabled computer/laptops/tablet systems are usually in use in the classrooms.

4) The electronic resource packages like COURSEERA, edX, DELNET, NPTEL, SPOKEN TUTORIAL and Digital Library are available. The faculty members effectively utilize Audio Visual aids to demonstrate the concepts to the students using the resources from National Program on Technology Enhanced Learning (NPTEL) to enhance the learning experience.

5) USB Hard disk (2TB) containing web and video courses (offline) of IIT, from NPTEL are accessible to faculty and students from the server installed in the library.

6) Sufficient number of books, Journals, e-journals and e-books are available in the library. The research journals are available online and facility for accessing these journals is provided through proxy server in the campus.

7) Seminar hall is equipped with multimedia facilities using ICT tools. Invited talks and webinars are conducted in seminar hall using ICT facilities

File Description	Documents
Provide link for webpage describing ICT enabled tools including online resources for effective teaching and learning process	<a href="https://vishnu.edu.in/NAAC/AOAR2020-21/2_3_2ICTEnabledTools.pdf">https://vishnu.edu.in/NAAC/AOAR2020-21/2_3_2ICTEnabledTools.pdf</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

232

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

The college adheres to academic calendar provided by the University for Conduction of continuous internal evaluation system. The affiliating University prescribes the academic schedule for every semester that should be followed by the institution. The academic calendar includes the dates of commencement and completion of syllabus, schedules of internal exams and Semester end examinations. The time table is prepared and implemented accordingly. The teachers prepare teaching plans according to the academic calendar and guidelines of the University.

Based on this schedule, the institution prepares the academic calendar and academic schedule of activities in such a way that the activities are completed well ahead of the schedule given by University. In Vishnu Institute of Technology, the academic calendars for I and II years are provided by Vishnu Institute of Technology (Autonomous) and JNTUniversity, Kakinada provides the

academic calendars for III and IV years before the commencement of class work. The academic schedule is prepared from academic calendar at the college level and then circulated to all the faculty members and students before the commencement of each semester. This is helpful in pre-planning all the activities by the college.

The academic calendar indicates the annual working period of the teachers which includes working days, teaching days, admission period, examination and valuation period as per the affiliating university and UGC guidelines. The total working days, as provided by the university are around 32 weeks for teaching work ,co-curricular and extra-curricular activities and remaining days are used for conducting internal exams and end examinations as per university guidelines.

The program coordinator and senior faculty members prepare and analyse the department calendar with additional activities to fill the curriculum gaps to enhance the quality of the students. The subject allotment to the faculty is done before the commencement of class work. The faculty prepares a micro level lesson plan that includes the material required to deliver the lectures effectively e.g., Lecture notes, PPTs, animations, etc. The subject experts define the COs, CO-PO mapping for their allotted subject. The timetable is prepared accordingly. The teachers prepare a detailed teaching plan for the subject according to the timetable and academic calendar. The lesson plans and are distributed to the students before the commencement of class work in order to ensure the active participation of students.

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

236

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	No File Uploaded

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

42

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	No File Uploaded

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

1272

File Description	Documents
List of teachers including their PAN, designation, Department and details of their experience	<a href="#">View File</a>
Any additional information	No File Uploaded

### 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

1 month



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	No File Uploaded

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

0

File Description	Documents
Upload the number of complaints and total number of students who appeared for exams during the year	No File Uploaded
Upload any additional information	No File Uploaded

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

#### Examination reforms by the College

The college keeps its examination system open for modifications and thus strengthens it from time to time, ensuring the system fool proof and address the grievances of students, if any. The institutional reforms in all the activities of the examination system are kept at par with the reforms pushed by the AICTE for various engineering disciplines. The drivers for reforms in examination system of Indian engineering education taken up by the premier technical institutions have been incorporated into our examination system and they include OBE- frame work for assessment process, evaluation of higher order abilities and professional skills in different forms like MOOCs, internship experience and project works, Bloom's taxonomy for assessment design etc.

The following significant reforms were effected in the Examination system.

- Credit system was introduced for the benefit of the students.

- Quizzes / Surprise Test(s) /Project works and assignments are made part of evaluation.
- Tools of information technology are utilized for most of the activities associated with the conduct of examinations, evaluation and declaration of results.
- Continuous Internal Assessment (CIA) includes Mid examinations twice in a semester for each course, periodical assignments/tests/quizzes etc. to keep the students meaningfully engaged with the subject content throughout the semester.

The College has initiated major reforms in evaluation. Five marks are allotted for attendance in the respective theory subjects in a graded manner. Five more marks are earmarked for quiz/online examination/surprise class tests by the concerned teacher in the respective theory subjects so that the students update themselves with the subject content regularly. Implementation of these measures created a positive impact on students' attendance and the results.

#### Processes integrating IT:

- o All students have to register for their Regular and supplementary examinations through online mode only.
- o Main answer booklet number and photo of the students is integrated on student day wise attendance sheet.
- o Students can download their hall tickets through online.
- o Students can see their backlog subjects through the year in online mode.
- o Students and parents can see their results through online and get notifications also.
- o Digital valuation is implemented and processing of results is also automated.
- o QR code is implemented in the marks sheets, Provisional certificate and consolidated mark sheet. o ERP Software (BeeS) is used for automation of examination procedures.

Reform(s)

Positive impact(s)

4 sets of question papers are maintained for each subject / course

Confidentiality in the question paper selection

Setting the question papers from all the units with internal choice and moderation of question papers.

1. Maintain standards and coverage of syllabus among all the units
2. Students are required to study all the units in a given course
3. Improve the course outcomes by implementing internal choice

Preparation of detailed scheme of evaluation by internal subject / course experts

1. Uniformity in the evaluation among the evaluators
2. Fair judgment for the students

Appointment of squad consisting of senior faculty members of other reputed institutions and internal faculty to monitor the semester end examinations

Strict vigilance for smooth conduct of examinations

Establishment of Spot evaluation center

1. Confidentiality and custody of answer booklets are ensured
2. Declaration of results within the stipulated time

Establishment of CCTV Surveillance System

1. Continuous monitoring of activities of examination section and spot evaluation process
2. Restricted entry and surveillance of the entry of un-authorized persons into the examination section
3. CCTVs in the vicinity of the examination rooms to curb untoward incidents of malpractice

## Encoding and decoding of answer booklets

Provides confidentiality and unbiased evaluation.

Evaluation of 5 answer booklets by all the examiners of the concerned board at the beginning of evaluation

Ensure uniform evaluation

Automation of examination management system

1. Improvement in reliability, efficiency, security, transparency, confidentiality and accuracy in the entire process

2. Software developed by the institute provides flexibility to incorporate autonomous curriculum requirements

Personal verification and revaluation system

Accountability of the evaluation process and improving the transparency in the evaluation

Advance Supplementary examinations and timely publication of results & issuing necessary certificates in time.

Provides more scope to final year students for their placements and higher studies

Inclusion of security features in grade sheets as well as in answer booklets

Chances of manipulations are nullified.

## Examination Procedures and Assessment System:

- **Internal Examination:** After the commencement of the semester the Department will conduct two internal tests and the marks are based on the average of the two tests conducted. The questions are set to map the course outcomes.

- **External Examination:** At the end of semester, examinations will be conducted for all the courses. The questions will cover the entire syllabus and they are mapped with course and program outcomes.

• **Technical Seminar Evaluation:** Each student will be presenting a seminar and evaluated by a coordinator and submitted to the department.

• **Major Projects:** Project batches are allotted to faculty member based on their area of specialization. Reviews are conducted and evaluated by the project coordinator and PRC and the progress is monitored. An external viva-voce will be conducted and the marks awarded by the external members will be submitted to the exam branch.

• **Mini Projects:** Project batches are allotted to faculty member based on their specialization. Reviews are conducted and evaluated by the guides and Head of the Department.

• **Lab:** Continuous evaluation will be done for laboratory and internal marks will also be awarded based on the internal lab examinations. End semester examination will be conducted at the end of the semester evaluated by an external examiner.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional Information	<a href="https://vishnu.edu.in/NAAC/AQAR2020-21/2_5_3ReformsinExaminations.pdf">https://vishnu.edu.in/NAAC/AQAR2020-21/2_5_3ReformsinExaminations.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

Outcome Based Education is a modern student-centric approach to education that aims at what students are able to do in real life after completion of their courses or programme. It primarily focuses on the students' attainment in higher order learning to develop various skills especially their cognitive thinking. It consists of two main components, namely, Course Outcomes (COs) and Programme Outcomes (POs). The Course Outcomes (COs) are assessed at the completion of each course and the Programme Outcomes (POs) are measurable at the time of graduation.

Vishnu Institute Of Technology follows Choice Based Credit System to widen the teaching-learning activities by which students have the flexibility to choose their courses. To strengthen the existing curriculum, the Outcome Based education has been adopted

to evaluate the courses with respect to the desirable outcomes. To achieve higher order knowledge levels based on revised Bloom's Taxonomy and also to master the courses, this model helps the learners to develop their skills in cognitive, affective and psychomotor domains expected in each course; moreover it inculcates employability and entrepreneurial skills in students. The entire curricula are restructured and the assessment pattern is also modified. The college frames the Program Outcomes (POs) based on its vision and mission, programmes offered, extension activities, needs of the learners, the recent trends in the job markets and also keeping the suggestions of the alumni and stakeholders into account. The Programme Specific Outcomes (PSOs) are designed by the concerned departments with their vision, mission and the scope of their programme. The Course Outcomes (COs) are constructed by the respective course teachers in order to reflect the nature of the courses as well as different cognitive levels.

The Curriculum Development Council (CDC) brings the curriculum under the Outcome Based Education (OBE) Model the faculty trained at different levels of orientations. The OBE module consists of Course Educational Objectives (CEOs), Duration of the Units, Books for Study and Reference, Teaching Methods, Course Outcomes (COs), Mapping of Course Outcomes (COs) with Program Specific Outcomes (PSOs) and Program Outcomes (POs).

This module and its evaluation process are communicated to the learners through orientation programmes at college and the department levels. It is also posted on the college website to inform the alumni and stakeholders. Thus, the Outcome Based Education enriches the courses offered in each programme to empower the learners to obtain the outcomes of the programme. Simultaneously, it develops the optimistic attitude in the learners towards vertical development in their future Endeavour.

File Description	Documents
Upload COs for all courses (exemplars from the Glossary)	No File Uploaded
Upload any additional information	No File Uploaded
Link for additional Information	<a href="https://vishnu.edu.in/NAAC/AQAR2020-21/2_6_1POsandCOs.pdf">https://vishnu.edu.in/NAAC/AQAR2020-21/2_6_1POsandCOs.pdf</a>

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

**Response:**

Our Institute is affiliated to JNTUK University, Kakinada. We offered Under Graduate, Post Graduate and Research programs. For these programs and courses, the institute followed the curriculum designed by our affiliated university. The Programme outcomes, Programme specific outcomes and course outcomes are evaluated by the institution and the same are communicated to the students in the formal way of the discussion in the classroom and departmental notice board.

After measuring attainment of POs , PSOs and COs, it has been observed that the strength of the students as well as passing percentage of the students is increasing progressively. Besides, students' progression to the higher studies that is from Under Graduate to Post Graduate seems to be increasing consistently and rapidly in the last five years. In a similar way, the ratio of students' placement is also increasing. We took utmost care of measuring the level of attainment of POs, PSOs and COs and followed formal as well as informal mechanism for the measurement of attainment of the outcomes. Even we took feedback from all the stakeholders in this respect and try to take necessary steps accordingly.

Subsequently, the College took care of the attainment to measure the POs, PSOs and COs and implemented the mechanism as follows:-

- The institute followed the Academic Calendar of our affiliated university.
- All the subject teachers maintained Academic Diary in every academic year.
- All the subject teachers prepared Semester-Wise evaluation Reports.
- Internal examination committee analyzed evaluation reports of results.
- Institute considered Feedback from the Stakeholders for the attainment of PO, PSO and CO.
- Placement committee took the review of the Students' Progression to Higher Studies and their Placement.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional Information	<a href="https://vishnu.edu.in/NAAC/AQAR2020-21/2_6_2POsandCOsattainment.pdf">https://vishnu.edu.in/NAAC/AQAR2020-21/2_6_2POsandCOsattainment.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

733

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	No File Uploaded
Paste link for the annual report	Nil

### 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://vishnu.edu.in/NAAC/AQAR2020-21/2\\_7\\_1SSSsurvey.pdf](https://vishnu.edu.in/NAAC/AQAR2020-21/2_7_1SSSsurvey.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

Faculty Members are encouraged by giving incentives for publishing Research Papers, attending Conferences and getting patents published



File Description	Documents
Upload the Minutes of the Governing Council/ Syndicate/Board of Management related to research promotion policy adoption	No File Uploaded
Provide URL of policy document on promotion of research uploaded on the website	Nil
Any additional information	No File Uploaded

### 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)

00

File Description	Documents
Minutes of the relevant bodies of the institution regarding seed money	No File Uploaded
Budget and expenditure statements signed by the Finance Officer indicating seed money provided and utilized	No File Uploaded
List of teachers receiving grant and details of grant received	No File Uploaded
Any additional information	No File Uploaded

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

3

File Description	Documents
e-copies of the award letters of the teachers	No File Uploaded
List of teachers and details of their international fellowship(s)	<a href="#">View File</a>
Any additional information	No File Uploaded

<b>3.2 - Resource Mobilization for Research</b>	
<b>3.2.1 - Grants received from Government and Non-Governmental agencies for research projects, endowments, Chairs during the year (INR in Lakhs)</b>	
5636080	
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	No File Uploaded
Any additional information	No File Uploaded
<b>3.2.2 - Number of teachers having research projects during the year</b>	
5	
File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional Information	Nil
List of research projects during the year	<a href="#">View File</a>
<b>3.2.3 - Number of teachers recognised as research guides</b>	
7	
File Description	Documents
Upload copies of the letter of the university recognizing teachers as research guides	No File Uploaded
Institutional data in Prescribed format	<a href="#">View File</a>
<b>3.2.4 - Number of departments having research projects funded by Government and Non-Government agencies during the year</b>	
4	

File Description	Documents
Supporting document from Funding Agencies	<a href="#">View File</a>
Paste link to funding agencies' website	<a href="https://dst.gov.in/">https://dst.gov.in/</a> <a href="https://www.aicte-india.org/content/aicte-agis-2021-22-schemes-last-date-applying-has-been-revised">https://www.aicte-india.org/content/aicte-agis-2021-22-schemes-last-date-applying-has-been-revised</a> <a href="https://www.srivishnu.edu.in/">https://www.srivishnu.edu.in/</a>
Any additional information	No File Uploaded

### 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.

Topic: Institution has created an ecosystem for innovations and creations and transfer of knowledge supported by dedicated centres for research, entrepreneurship, community orientation, incubation etc.

The Govt. of India initiative and support towards the innovation and Startups encouraged the implementation of the initiative with full swing at our institute. The scope of having more innovations in this region helps our students to remain motivated towards finding innovative solutions for the regional problems. Institute has great potential with most of our faculty and students innovative and entrepreneurial activities taking place under Innovation and Entrepreneurship Cell (IEDC) and more number of the students engrossed in IEDC objectives. Mainly, the Innovation culture and supporting ambience in the institute is congenial for students participation in entrepreneurial activities. Institute has a well planned schedule for conducting Training programs, Ideathons and Hackathons to address local and global community issues. Institute has a patronizing ecosystem with a plethora of activities to inculcate a passion for innovation among young minds with a vision focused on our Nations progress.

Institute has a well-supported ecosystem with a lot of activities towards inculcating the young minds towards Innovation for their own as well as national progress. We are with Institution Innovation Council (IIC) is an Initiative of 'MHRD's Innovation Cell (MIC)', MHRD, Govt. of India for selected Higher Education Institutes, to create and strengthen the culture of Innovation and

Entrepreneurship ecosystem by promoting and supporting students innovations and sustainable startups from Vishnu Institute of Technology.

Innovation and Entrepreneurship Development Cell was established at Vishnu Institute of Technology to enable a creative, innovative design thinking mindset with problem-solving skills and excellence in research for sustainable Business Models/Startups among young generation towards the capacity and capability of building Atmanirbhar Bharat.

Institution Innovation Council (IIC) is an Initiative of 'MHRD's Innovation Cell (MIC)', MHRD, Govt. of India for selected Higher Education Institutes, to create and strengthen the culture of Innovation and Entrepreneurship ecosystem by promoting and supporting students innovations and sustainable startups from Vishnu Institute of Technology. Institution's Innovation Council (IIC) - Ministry of Education Innovation Cell (MoE's Innovation Cell), Govt. of India was established at Vishnu Institute of Technology to focus on creating complete ecosystem which will foster the culture of Innovation at our Institute.

Vishnu Institute of Technology has established Rural Entrepreneurship Development Cell (REDC) with support from Mahatma Gandhi National Council of Rural Education (MGNCRE), Department of Higher Education, Ministry of Education, Government of India to involve our students in the process of building resilient rural India which enable development of sustainable, resilient rural livelihoods by focusing on understanding Entrepreneurship in Rural Context, developing entrepreneurial skills, identify rural potential for a business idea, skills to convert the idea into a commercial viable business concepts.

Tie Hyderabad Chapter at Vishnu Institute of Technology supports students with Startup workshops, Bootcamp sessions, Youth Entrepreneurship academy, and Bootcamp sessions catering to enhancing the knowledge about business, entrepreneurship, and new methods of enhancing ideation and innovation. Provided with high mentoring support. We encourage our students to participate in TiE Grad, TiE Young Entrepreneurs, TYE Summer, Open Mic, Mentor Advisor, Deeptech SIG, Investor Connect, Knowledge Series, Leadership Series & My Story entrepreneurial events at TiE Hyderabad.

Innovation/IP/Start-up Clinic is a counselling/mentoring time slot of 2-3 hours on a specific day during a particular week is reserved by the Innovation Ambassador (IA) to interact/mentor/address the queries from students/faculties/staff related to Innovation/IPR/Start-up.

Recently, we initiated VITe Talks, which create a virtual platform to PROMOTE innovation/entrepreneurship in young innovators/students. iEDC planning the talks from eminent Leaders, innovators, young entrepreneurs, scientists, researchers and startups to provide an opportunity for our students for COLLABORATION. In the vision of SabkaSaath, SabkaVikaas, SabkaVishwas' we will be stepping into this new initiative, impacting on innovations at VIT Bhimavaram.

We aim to channelize the mindset of the young generation towards the capacity and capability of building ATMANIRBHAR BHARAT to make India a self-reliant nation. This ecosystem will encourage, inspire and nurture young students by exposing them to new ideas and processes resulting in innovative activities in their formative years. We stepping towards promoting innovation mindset in every aspect to unleash the creative potential of the youth of the nation and contribute to our nation building endeavours through VITe Talks at Vishnu Institute of Technology.

Various services offering and support through iedc (for students & faculty) at vishnuinstitute of technology

- Field/Exposure Visits to Village/Society /School/Industry/Market - Identity real Life Problem
- VITe Talks - Entrepreneur's Life & Crossroad - Motivational Talks by Entrepreneurs
- Understanding Angel and Venture Capital Funding for Early Stage Innovator & Entrepreneurs
- Sessions on Accelerator/Incubation - Opportunity for Student Faculty - Early Stage Entrepreneurs
- Field/Exposure Visit to Incubation Unit/Patent Facilitation Centre/Technology Transfer Centre
- Engage Students for Internship at Innovation & Start-up Centre/Start-ups/Incubation Unit etc

Some highlights of iEDC activities for students:

- Vishnu Innovation Summit 2018, 03rd and 04th March 2018

- Awareness program and a workshop on Entrepreneurship & start-ups, 21st July 2018
- Idea Box Event, 01st August 2018
- Idea Day-Students Pitch Competition, 06th August 2018
- Venture Development Center (VDC) launch program, 29th November 2018
- Entrepreneurial Ideation event in collaboration with IIT Bhubaneswar, Jan 2019
- Entrepreneurial Talk, 03rd January 2019, by Ms Meenakshi, Founder and CEO of R3Analytics and Founder of WinAIML
- Education 2 Entrepreneurship program & MoU between TiE Hyderabad and Vishnu Institute of Technology, 29th of January 2019
- Business Idea Pitching
- Students Participation in TiE Hyderabad 2019
- Students Participation in TiEAmaravathi - Women Entrepreneurship - 27 Feb 2019
- Students Participation in TiE Hyderabad Grand Finale and won the Championship
- VIT Bhimavaram Sponsored a student and Faculty to TyE Competition in California, USA with 2.98 Lakhs
- Students Participation in Overseas Competition at Ashoka Institutions, Hyderabad
- Organised TiE Premiere League - Stumag at VIT Bimavaram
- Organised Ideathon - Business Idea Competition at VIT Bimavaram in 2019
- Conducted Ecopreneurship Workshop by Naresh Reddy, Founder Tharunam for students and faculty
- Organised a Workshop on NISP 2019 on 31st December 2019
- Students Participation in IIT Madras Startup Entrepreneur Summit
- Organised Dr Kalam Innovation Festival in Feb 2020
- Students participated in Our Creations competition and WON
- Organised Internal Business Idea Competition at VIT Bhimavaram
- Organised a Pitching Event with students for TiE Grad Selections with Mr Raj Samala, CEO Reanalysis
- Organised an Awareness Program on National Innovation Contest 2020 (Online Activity)- A Govt. of India Initiative
- Organised an Awareness Program on SAMADHAN 2020 (Online Activity)- A Govt. of India initiative
- Organised a Workshop on Business Canvas Model (Online Activity)

Other activities of iEDC:

- Semi Annual Awareness programmes, Orientations on Innovation & Entrepreneurship: Global & India Context & Measuring Frameworks towards Entrepreneurial Thinking & Approaches
- Ideation events and pitching contest, Prototype designing contests
- Innovation Expos - Inviting Innovations and Innovators PAN India
- Innovatots/Industry/Startup Interactions, Visits and Talks
- Conducting Internal Hackathons
- Business Model formulation support
- Investor Pitching arrangements
- Pre-Incubation Support
- Startup Enabling Ecosystem
- Implementing MHRDs Institution Innovation Council activities
- Implementing National Innovation Policies

Supporting students to participate in National & International contests like SIH, Innovation

Contests, TiE Business Idea Competitions, Quest Global

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	<a href="https://vishnu.edu.in/IEDC.php">https://vishnu.edu.in/IEDC.php</a>

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

35

File Description	Documents
Report of the events	No File Uploaded
List of workshops/seminars conducted during the year	<a href="#">View File</a>
Any additional information	No File Uploaded

### 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

B. Any 3 of the above

**Ethics Committee Inclusion of Research Ethics in the research methodology course work Plagiarism check through authenticated software**

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	No File Uploaded

**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**

12

File Description	Documents
URL to the research page on HEI website	Nil
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	No File Uploaded

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

73 Papers for 230 Faculty Members i.e., Ratio = 0.31

File Description	Documents
List of research papers by title, author, department, and year of publication	<a href="#">View File</a>
Any additional information	No File Uploaded

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

39 Books/Book Chapters for 230 Faculty Members i.e., Ratio = 0.17



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

### 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

341

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

-

File Description	Documents
Bibliometrics of publications based on Scopus/ Web of Science - h-index of the Institution	No File Uploaded
Any additional information	No File Uploaded

### 3.5 - Consultancy

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

528005

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	No File Uploaded
Any additional information	No File Uploaded

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

528005

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	No File Uploaded
List of facilities and staff available for undertaking consultancy	No File Uploaded
Any additional information	No File Uploaded

### 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

A near-by Village Kovvada is adopted. COVID awareness, importance of healthy sanitization practices is encouraged in this village by the societal activities of our Sri Vishnu Educational Society

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

### 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

14

File Description	Documents
Number of awards for extension activities in during the year	<a href="#">View File</a>
e-copy of the award letters	No File Uploaded
Any additional information	No File Uploaded

### 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)

11

File Description	Documents
Reports of the events organized	<a href="#">View File</a>
Any additional information	No File Uploaded

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

1128

File Description	Documents
Reports of the events	<a href="#">View File</a>
Any additional information	No File Uploaded

## 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

427

File Description	Documents
Copies of documents highlighting collaboration	<a href="#">View File</a>
Any additional information	No File Uploaded

### 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)

2

File Description	Documents
e-copies of the MoUs with institution/ industry/ corporate house	No File Uploaded
Details of functional MoUs with institutions of national, international importance, other institutions etc. during the year	<a href="#">View File</a>
Any additional information	No File Uploaded

## 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.

VIT Bhimvaram campus is committed to provide high quality education through classroom teaching, practical training, and by providing excellent infrastructure and experience. The Institute fulfils all the norms specified by the statutory bodies in terms of land requirement, instructional, administrative and amenities area.

Vishnu Institute of Technology campus is spread in the area of 51184.289 sq. m. with the total constructed area of 16783.24 sq. m. The college campus has sufficient space for all academic, administrative, co-curricular and extra-curricular activities. The state-of-the-art infrastructure provides a rich learning environment that aggrandizers interest in teaching learning.

The college houses spacious and sufficient classrooms, seminar halls, Indoor Auditorium and open air auditorium, Central library, Innovation centre, sports complex, Movie Theatre, laboratories and auditorium. The entire campus is under CCTV surveillance for safety and security purpose

There is an abundance of infrastructural resources such as Lecture Halls: 60, Drawing Halls:02, Seminar Halls: 05, Laboratory:52, Library and reading Room: 02, First Aid Room:01, Office: 01, Exam

Cell: 02, Workshops: 01; Auditorium: 01(Seating capacity 300), FM Studio: 01, Photocopy Centre:01, Canteens:02, Gyms:02, OpenAuditorium: 01,Boys Hostels and Girls Hostels and other adequate facilities including HOD Rooms, Faculty Rooms, Boys & Girls Common Rooms and Store rooms. All classrooms are smart classrooms.All seminar halls are air-conditioned, have ICT facility for audio-visual presentation. Apart from the regular blackboard, each classroom is fitted with LCD projector and is Wi-Fi supported that enables the faculty to use ICT for effective teaching.

In VIT each department has a sufficient number of laboratories, All the laboratories are well equipped with necessary experimental setups of excellent quality with an overall investment of more than 10 crores. Every laboratory is provided with a whiteboard for teaching and a soft board for display of instructions and lab information. Few laboratories have a provision to connect portable projectors as and when needed by the faculty. Some of the major laboratory equipment that can be listed are NI lab view, Concrete Technology, surveying lab, CNC lathe, CNC milling, Fluid Mechanics, Advanced CAD CAM lab, Machine Tools lab, Machines lab, circuits lab

Institute has a well set up central computing facility (Digital library) in the area of 643 sq. m. where students, as well as faculty, can avail the facility of internet and audio-visual aids. CCF houses 160 LENOVO latest configuration computers with Windows as well as Ubuntu operating system. A 330 MBPS leased line connects more than 1500 computers in the campus through LAN. The entire campus is Wi-Fi enabled and connectivity is provided to students and faculty on their laptop.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://vishnu.edu.in/NAAC/AQAR2020-21/4_1_1TeachingLearning.pdf">https://vishnu.edu.in/NAAC/AQAR2020-21/4_1_1TeachingLearning.pdf</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 institute focuses on overall development of the students

through participation in co - curricular activities and extra-curricular activities. Outdoor and Indoor sports are also encouraged among the students to groom them with qualities like leadership, team spirit and competitiveness in various competitions. Ever since the inception of the institute, the objective has been to provide holistic experience to the students and the measures have been taken to develop necessary infrastructure to achieve it.

The institute has a well-equipped Gymnasium and fitness centre, Indoor sports complex, swimming pools, Movie Theatre. There are a number of seminar halls and an Open auditorium and Indoor auditorium to conduct cultural activities.

#### Sports & Games:

The institute has assigned sports in charge for regular conduction of sports activities. The sports in charge identifies students and trains them and assists them in the chosen games to equip them to participate in University and national level sports events.

The institute has well equipped facilities for indoor sports like Table-Tennis, Carrom, Chess etc. Some of the outdoor sports are also carried out are Badminton, Basketball, Volleyball, Throw ball, Cricket, Football, Kabaddi, Athletic, Shot Put. Individual sports activity like swimming is also encouraged.

#### Yoga:

The institute has assigned some space for Yoga and Meditation for improving mental and physical health of faculty and students.

#### Gymnasium:

The institute has an in-house gymnasium facility which the faculty and students can avail. The gymnasium has been equipped with the facilities like treadmill, cycle, abdominal bench, Weights and Dumbbells.

#### Cultural:

Cultural activities are conducted on different occasions like freshers day, farewell, teacher's day, National Festivals, Annual Festivals, Collages Fests, Music Concert, at the end of the academic year. To bring out the inherent talent of the students, the institute has started clubs like Singing club, Dance club,

photography club. The institute also has an open-air lawn and amphitheater where students conduct these cultural programmes.

In addition to cultural clubs, the institute also has some clubs for technical activities like Robotics Club, Coding Club, App Development Club. Students join these clubs depending on their interest and are encouraged to actively participate and showcase their talents and skills. The activities contribute to build the overall personality of the students. Through this club students not only get to participate in these events but also get a chance to organize the events which helps them to extend the range of experiences beyond their comfortable limits. All the clubs and activities are driven through students' council and provide students with a competitive and encouraging platform for holistic development of the students.

File Description	Documents
Geotagged pictures	<a href="#">View File</a>
Upload any additional information	No File Uploaded
Paste link for additional information	<a href="https://vishnu.edu.in/NAAC/AOAR2020-21/4_1_2CulturalActivities.pdf">https://vishnu.edu.in/NAAC/AOAR2020-21/4_1_2CulturalActivities.pdf</a>

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

55

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)

2135334

File Description	Documents
Upload audited utilization statements	No File Uploaded
Details of Expenditure, excluding salary, during the years	<a href="#">View File</a>
Any additional information	No File Uploaded

## 4.2 - Library as a Learning Resource

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

#### Brief description about library:

The Library of Vishnu Institute of Technology built to keep up International Standards, is located in a separate block - a new multi-strayed building with approximate carpet area of 1878 sq. Mt., with sufficient area for stacks and reading space. It is fully computerized and furnished, containing a large number of Volumes, titles, journals, periodicals and newspapers. With the ambience provided by the facilities and atmosphere, it can be truly called a 'Knowledge Center' and also a 'Learning Center' and all the students and staff find it conducive for constructive study.

The seating capacity of the library is over 500 which is fully adequate for this college with a total student strength of about 3000. Also, the flexible working hours of the library makes it reachable to more number of students turning out at almost any time of the day.

The library is fully automated with 100 percent computerization for searching, indexing, issuing and return. Also the information about each book is bar coded for easy access of information. The library is managed by a group of well qualified and experienced personnel, headed by the librarian with Master of Philosophy degree qualification in library and information science.

The digital library is equipped with 160 computers with high-speed internet facility and a bandwidth of 300 Mbps. A digital library with equally good number of online journals like DELNET, N-LIST, NDLI, etc., and other subscribed online material, is also a part of the central library. Content is delivered via the Internet, intranet/extranet, audio or video tape, Satellite TV, and CD-ROM. It can be self-paced or instructor-led and includes media in the



form of text, image, animation, streaming video and audio and popular in this are the NPTEL Courseware, a joint venture of all the IIT's and IISC. With this facility, students and staff are having access to more number of international of articles and materials to enhance and upgrade their knowledge base.

The college has taken a great interest in shaping the library truly contemporary with global standards. Two unique features of the library are discussion rooms and Audio-Visual room. The discussion rooms can be used by students as well as faculty to discuss various topics, get their doubts clarified and also to upgrade their knowledge. The audio visual rooms are a place where a small group of people can sit and watch. Also they are useful for constructive discussions on content of the courseware and any other relevant information that is available in audio-visual form.

#### Library Profile:

1. Library works from Morning 7.30 am to 10.30 Night. During Sundays and other holidays Morning 9.00am to 1.00pm
2. The Library has more than 37,324 volumes of books with 6213 titles
  
1. Subscribed 138 printed National Journals, Magazines and 6000+ Electronic Journals and access to more than 30,00,000+ e-Books
  
1. All these are selectively chosen for reading and reference.
  
1. The collection includes books relevant to teaching, learning, training, research needs of the Vishnu Institute of Technology.
  
1. The strength of the library collection is Reference books on core subjects and the Electronic resources that include online Journals (N-List and DELNET), Video lectures from NPTEL, and e-Books from N-List, DELNET and NDLI etc.

LIBRARY is in Three floors:

Ground floor is meant for Circulation and Technical processing Sections

1st floor meant for Reference books, Journals and Magazine, Students Projects, and Back Volumes, etc.

2nd Floor meant for The Digital Library which consists of 160 systems for students interested in Computer Assisted Learning with the internet speed of 300 mbps.

Apart from these sections we have in our library the following facilities.

- Seven Discussion rooms,
- Audio-Visual room consists of TV accommodating 30 students at a time.
- The Library follows open access system encouraging the user to browse freely in the stock area.

Library is fully automated using the following Integrated Library Management System:

Name of the ILMS software: Engineering College Automation Package (ECAP)

Nature of automation (fully or partially) : Fully

Version : 1.0

Year of automation : 2012

The Library software package supports all the library activities like Acquisition module for procuring the resources, Circulation Module for issue and return of the library resources, cataloguing the books and other library resources, it also supports Online Public Access Catalogue(OPAC) services etc. Report generations like number of books that are issued to the various categories of users, verification of the library stock, it supports all the reports as per the needs of the library staff and its users.

The automation of library activities provides the following facilities to library users.

- Users can do Book Reservations.
- Library content search like Author, Titles and subject of their choice through OPAC system.
- They can find what are the books pending with them, due date, fine details etc

The automation of library activities provides the following facilities to library staff.

- Entry/Upload of Books/Journals/Magazines.
- Book Issues>Returns/Renewals.
- Journal/Magazine Subscriptions & Renewals.
- Titles/Authors/Publishers Database.
- Backup & Restore of Library Data.
- Stock Verification
- Reports.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://vishnu.edu.in/NAAC/AQAR2020-21/4_2_1ILMS.pdf">https://vishnu.edu.in/NAAC/AQAR2020-21/4_2_1ILMS.pdf</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)****339449**

File Description	Documents
Audited statements of accounts	<b>No File Uploaded</b>
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****217**

File Description	Documents
Upload details of library usage by teachers and students	<a href="#">View File</a>
Any additional information	<b>No File Uploaded</b>

**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

The institute has always given priority for up-gradation of IT facilities. Regular updating is done in facilities at institute level as well as department level. The description of the same is provided below.

**Internet Connection:**The institute regularly updates the internet connection every year and as of now, the available internet bandwidth is 100 MBPS provided by JIO that is latest renewed in 2020.A second backup line by TATA is provided with bandwidth of 20MBPS.

**No. of Systems and their Configuration:**Campus has a total of 625 computers for students with the following configuration: Processor i5,4GB RAM,500 GB HardDisk,3.10 GHz CPU Speed.

**Firewall/Security:**Campus uses firewall service from Sophos-XG330and the support license is latest renewed in 2020.

**Networking Peripherals:** Campus has networking switch provided by DLINK of speed 1 GBPS.

**Remote Centre for IIT:** The audio-visual setup enables the institute to often arrange workshops conducted by IITs via video conferencing. The equipment of audio visual setup was upgraded in 2015.

**Licensed softwares:** Institute has various softwares needed for academic purposes which includes Oracle, Flash Pro, Photoshop, MATLAB, Microwind, NetSim, IE3D, Xilinx ISE, Proteus VSM, Orell, Creo, ANSYS, autoSIM, DOE++, AutoCAD and SolidWorks apart from basic software like Office, Tally etc.

**Licensed version of OS:** The institute has license copies of Windows Operating System and also works with open-source operating systems like Ubuntu OS and other software tools such as Postgres, Cisco packet tracer, ns2, Wireshark, python, R, CLDC wireless toolkit, open GL, Spark, Hadoop.

**I/O Devices:** The institute purchases printers as per the requirements given by the departments. The institute has in all 45 laser printers.

**Media Lab/Video Lecture making Facility:** The institute has a well-equipped media lab where faculties can prepare their video lectures. This has been very useful during the initial phases of pandemic.

**LCD Projectors:** Upgrading of IT is seen in teaching learning process as OHPs in the institute have been intermittently replaced by LCD.

**Plotters:** The institute also has a plotter which can accommodate paper of A3 size.

**Upgrading Policy:** Computers in the institutes are upgraded every year by replacing certain old machines with the new ones.

Certain measures have been taken during the year 2020-21 due to pandemic for ensuring best teaching practices for students. Below is the list of those features:

**Virtual Labs:** Few practicals are being conducted using virtual labs concept of IIT (ex. For subject DLCOA from CE etc).

**Online Lectures:** The institute has licensed versions of G Suite and

Microsoft Office Suite (Microsoft Teams) via which the online lectures and practicals from March till date are being conducted. Every student and faculty are given an id for the same.

ERP System: The institute is also in the process of automating all its manual work via JUNO ERP System.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://vishnu.edu.in/NAAC/AOAR2020-21/4_3_1ITPolicy.pdf">https://vishnu.edu.in/NAAC/AOAR2020-21/4_3_1ITPolicy.pdf</a>

#### 4.3.2 - Student - Computer ratio

Number of Students	Number of Computers
3257	1466

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	No File Uploaded
Upload any additional information	No File Uploaded

#### 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	No File Uploaded
Paste link for additional information	<a href="https://vishnu.edu.in/NAAC/AQAR2020-21/4_3_4EContentDevelopment.pdf">https://vishnu.edu.in/NAAC/AQAR2020-21/4_3_4EContentDevelopment.pdf</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)

105451948

File Description	Documents
Audited statements of accounts	No File Uploaded
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 institute has established system for maintaining and utilizing the physical and support facilities. Maintenance is carried out throughout the year and as when it is required.

##### Maintenance of different facilities:

**Cleaning and sweeping:** The Institution has appointed some people for cleaning and sweeping the classrooms, washrooms, lifts, surroundings etc. The office staff monitors their work and related maintenance issues.

**Garden:** All gardening activities in the campus like cutting, cleaning, watering, soiling etc. are handled by the concerned workers of Sri Vishnu Educational society

**Security:** An authorised security agency has the annual contract for ensuring safety in the campus.

**Maintenance of laboratories:-** The repairing and the maintenance of sophisticated lab equipments are done by the technicians of

related branches.

#### Utilization of facilities:

Computer Lab assistants under the supervision of the System administrator maintain the college computers and accessories. Every department maintains a stock register for the available equipment. Proper inspection is done and the verification of stock takes place at the end of every year. Periodic report on requirements of repairs and maintenance is submitted by the HODs to the Administrative office.

Parking facility is well organized and utilized. The campus maintenance is monitored through surveillance cameras.

#### Library:-

1. The requirement and list of books taken from the concerned departments must be informed to the HODs. The finalized list of required books is duly approved and signed by the Principal.
2. Suggestion box is installed inside the Library to take users feedback. Their continuous feedback helps a lot to introduce new ideas regarding library enrichment.
3. To ensure return of books, 'no dues' from the library is mandatory for Staff and Students before relieving from the Organization.
4. Other issues such as Library Budget, Subscription of Journals, schedule of issue/ return of books etc. are chalked out / resolved by the library committee.
5. E-CAP (Engineering College Automation Package) software is used for Library activities.
6. All the New Arrivals are displayed in Reference Section.



Computers: -

1. Centralized computer (Digital ) laboratory was established to enrich the students.
2. Each Department has appropriate computer labs for the requirements.
3. Ours is the Internet and the WIFI Enabled campus.

Classrooms: -

1. The college has various committees for the maintenance the of infrastructure. At the departmental level, HODs submit their requirements to the Principal regarding classroom furniture and others.
2. Administrative officers will take care of the student's academic requirements

Additionally:-

1. There are lab assistants in every department they maintain the stock register by physically verifying the things round the year.
2. Department wise annual stock verification is done by the concerned Head of the Department.
3. Regular maintenance of Computer Laboratory equipment's is done by the Lab Assistant and they are headed by the faculty in charge. Updated by the lab assistants.
4. Regular cleaning of water tanks, proper garbage disposal, pest control, landscaping and maintenance of the lawns are done by the concern Employees of the Sri Vishnu Educational Society.
5. Maintenance and repairing of IT infrastructure such as computers, internet facilities including Wi-Fi and broadband is done by CSE & IT Departments lab staff
6. Regular maintenance of the water cooler and water purifier is done regularly
7. Whenever any maintenance issue occurs, the concerned department staff member raises the issue by a letter to the office through proper channel. Then the office, brings it to the notice of the maintenance and accounts department. After proper approvals,

maintenance department contacts the concerned contractors and get the estimation of the work. And after finalization of the contract, the maintenance department will get the maintenance work done. Finally, with the approval of concerned department staff, the bill is settled by the account department and the issue will be closed.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://vishnu.edu.in/NAAC/AOAR2020-21/4_4_2AcademicandSupportFacilities.pdf">https://vishnu.edu.in/NAAC/AOAR2020-21/4_4_2AcademicandSupportFacilities.pdf</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

1965

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

12

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**

**A. All of the above**

<b>Communication Skills Life Skills (Yoga, Physical fitness, Health and Hygiene) Awareness of Trends in Technology</b>	
<b>File Description</b>	<b>Documents</b>
Link to Institutional website	<a href="https://vishnu.edu.in/NAAC/AOAR2020-21/5_1_3CapacityDevelopmentandSkillEnhancement.pdf">https://vishnu.edu.in/NAAC/AOAR2020-21/5_1_3CapacityDevelopmentandSkillEnhancement.pdf</a>
Details of capability development and schemes	<a href="#">View File</a>
Any additional information	No File Uploaded
<b>5.1.4 - Number of students benefitted from guidance/coaching for competitive examinations and career counselling offered by the institution during the year</b>	
503	
<b>File Description</b>	<b>Documents</b>
Any additional information	No File Uploaded
Number of students benefitted 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>	A. All of the above

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	No File Uploaded

## 5.2 - Student Progression

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

503

File Description	Documents
Self-attested list of students placed	<a href="#">View File</a>
Upload any additional information	No File Uploaded

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

42

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	No File Uploaded

### 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

1

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

**Presence of an active Student Council & representation of students on academic & administrative bodies/committees of the institution**

Vishnu Institute of Technology has a unique culture of student driven activities and committees. The students are a part of planning, implementation and execution of academic and non-academic activities. Towards that a student council is formulated to focus on academic performance and improvement, classwork status, bridge course, requirement of special classes/workshops/training programs, digital library, organizing various academic events at institution level, NSS activities, and other related issues.

This student council is functioning under the guidance of Head of the Institution. College academic committee members, senior staff and students are members of the council. This council is reconstituted in the beginning of every academic year.

Student council meetings are arranged twice in a year and based on its resolution necessary actions/ activities are initiated. Institution is supporting this council in financial aspect.

In addition to that, college has various academic and administrative bodies that have student's representatives as

members. This representation helps institution, as well as all the stakeholders to travel on the line of overall development of the institution.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://vishnu.edu.in/NAAC/AQAR2020-21/5_3_2StudentCouncilRepresentation.pdf">https://vishnu.edu.in/NAAC/AQAR2020-21/5_3_2StudentCouncilRepresentation.pdf</a>

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

0

File Description	Documents
Report of the event	No File Uploaded
List of sports and cultural events / competitions organised per year	<a href="#">View File</a>
Upload any additional information	No File Uploaded

### 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

Vishnu institute of Technology has an active alumni association which is registered under the society registration act 35 of 2001. The association conducts meetings once in a year in a get together manner. Because of the prevailing pandemic conditions the alumni meet for the 2020-21 academic year was conducted online on 28-03-2021.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional Information	<a href="https://vishnu.edu.in/NAAC/AQAR2020-21/5_4_1AlumniAssociation.pdf">https://vishnu.edu.in/NAAC/AQAR2020-21/5_4_1AlumniAssociation.pdf</a>

5.4.2 - Alumni's financial contribution during the year

D. 2 Lakhs - 5 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

#### A. Vision and Mission Statement:

##### Vision:

To ignite the minds of the students through academic excellence so as to bring about social transformation and prosperity.

##### Mission:

- To expand the frontiers of knowledge through Quality Education.
- To provide value-added Research and Development.
- To embody a spirit of excellence in Teaching, Creativity, Scholarship, and Outreach.
- To provide a platform for synergy of Academy, Industry, and Community.
- To inculcate high standards of Ethical and Professional Behavior.

#### B. Nature of Governance:

The institution follows a democratic and participatory mode of governance with all stakeholders participating actively in its administration. The Governing Body delegates authority to the Principal who, in turn, share it with the different levels of functionaries in the college. The Heads of Departments, the Conveners of various committees and cells along with the staff representatives on higher decision-making bodies play an important role in determining the institutional policies and implementing the same.

#### C. Participation of Teachers in Decision-Making Bodies:

- Teachers discharge an important role in implementing the vision and mission of the college and play a proactive part

in the decision-making process. Heads of Departments enjoy considerable administrative and academic autonomy in running their disciplinary units.

- Also, teachers are members and conveners of the various committees that are instituted for the day-to-day functioning of the college. Some of these committees are the Placements Committee, Career Guidance Committee, the R&D Committee, the Anti-Ragging Committee, IEDC, Internal Quality Assurance Cell (IQAC), Career Development Committee (CDC), etc. Teachers, through their agency and autonomous interaction with these bodies, are able to contribute in a significant way to the participatory ethos of the institution. They determine admission criteria, marks cut-offs, examination modalities, library practices, various teaching-learning innovations, and other academic priorities.
- Additionally, teachers discharge an energetically pervasive role as motivators and spearheads of cultural and socially conscious activities in the institution by steering the NSS unit, the Women's Grievance Cell, etc.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional Information	Nil

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

Decentralization and Participative management constitute the backbone of the organization. While the Governing Body provides an overall strategic direction and character to the organization, the major functions and activities related to administration, academics, finance, and other domains of the organization are distributed to various committees which are delegated authority at all levels. The GB also has its complement of staff representation. Participative management is the outcome of decentralization. The Principal, the CAC, and other faculty are involved in defining and framing the policies and procedures, the guidelines for the various functions, and in implementing them. Strategic direction and character to the organization, the major functions and activities related to administration, academics, finance, and other domains of the organization are distributed to various committees which are delegated authority at all levels.



**The College Academic Committee:** Headed by the Principal, comprises the HODs, senior faculty, the exam cell Incharge, Librarian, administrative officer, and Student Coordinator.

**Role:** They meet, discuss and formulate policies concerning curriculum and instruction, plan to establish standard educational practices, promote research and development and industry-academia linkage, and so on.

**Board of Studies:**The college planned to go for autonomous status from the year 2019 to 2020. Accordingly, a Board of Studies was constituted for each of the departments to finalize the curriculum and evaluation pattern. All the departments have their respective Board of Studies. The BOS comprises the HOD, Subject experts from institutions of repute, industry experts, the faculty, and the alumni.

**Activities:** They meet and deliberate the recommendations of the Council of Higher education and AICTE, the industry requirements, the alumni inputs and the faculty advice in finalizing the curriculum and the syllabus, and its implementation and evaluation.

**Research and Development Committee:** comprises the senior faculty with the Principal as its head. The Committee aims at promoting research and development in the organization, motivating the faculty and students to involve in research, supporting faculty to secure patents and indulge in consultancy and procuring grants for promoting and supporting research. The faculty members participate actively in initiatives like ATL Center, Drone Center of Excellence, APSSDC CM COE, Alternative Energy Solutions Lab, NI Lab View School Academy, BOT Lab, Dassault Lab, and Applied Robotics Lab.

**Initiations by Management:**

1. Given freedom in identifying right people as BOS members
2. Given full freedom in framing the autonomous syllabus and regulations
3. During the COVID Pandemic, management has given a lot of support morally as well in a materialistic way
4. Through VEDIC, management support the staff for learning software useful for online teaching

File Description	Documents
Upload strategic plan and deployment documents on the website	No File Uploaded
Upload any additional information	No File Uploaded
Paste link for additional Information	<a href="https://vedic.edu.in/faculty-staff-programmes/">https://vedic.edu.in/faculty-staff-programmes/</a>

## 6.2 - Strategy Development and Deployment

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

### Strategic Plan:

The College prepared a dynamic Strategic plan which translates shared vision into team successes while aiming at clearly formulated goals through joint consultative exercises:

- Achieving Academic excellence by curriculum enrichment and fostering experiential learning through ICT. (Vision)
- Empowering students through Holistic Education with global employability and social responsiveness (Mission & Quality Policy)
- Striving for overall excellence through inclusiveness and equity in Quality Assurance Practices (Quality Policy)

The Strategic plan is deployed through a systematic Plan of Actions (Institution & Department wise), Implementation of Plans, Resource prioritization and utilization, and involvement of stakeholders at various levels with clear quality parameters and indices. Since Teaching Learning is the fulcrum point around which other dimensions revolve, the following practicable objectives were construed:

? Facilitate innovative teaching, learning, and assessment methods

? Extension of the available area to accommodate more classrooms, laboratories, staff rooms, etc.

? Renovations to revive aging infrastructure

? Application for grants from government and non-government sources

? Organize conferences/workshops at the regional, national and international levels

? Involve alumni as resource persons for workshops and invited talks

? Introduction of new subjects at the undergraduate level

? Enhance the use of ICT for teaching, and

? Upgrade infrastructure wherever possible

File Description	Documents
Strategic Plan and deployment documents on the website	No File Uploaded
Paste link for additional information	Nil
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.

#### Governing Body:

**Administrative Set-Up:** The Director Principal forms the nucleus of the administration being the final authority in all financial matters. The Principal who is the Joint Secretary shares this work and vets all financial projects before the latter endorses the same. The Principal is vested with the day-to-day running of the college. He has his team of Departmental Heads, the IQAC Coordinator, the R&D Coordinator, etc to assist him in the discharge of this work.

#### Service Rules, Procedures, Recruitment, and Promotion Policies:

**Grievance Redressal Mechanisms:** There are several Grievance Redressal Mechanisms including the Anti-Sexual Harassment Cell with its Internal Complaints Committee; the Anti-Ragging Cell; a Grievance Redressal Cell with complaints boxes prominently placed and the full implementation of the Right to Information.

File Description	Documents
Paste link to Organogram on the institution webpage	Nil
Upload any additional information	No File Uploaded
Paste link for additional Information	Nil

### 6.2.3 - Implementation of e-governance in areas of operation: Administration Finance and Accounts Student Admission and Support Examination

A. All of the above

File Description	Documents
ERP (Enterprise Resource Planning) Documen	No File Uploaded
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

#### Welfare Measures for Teaching Staff:

- Gifts are given on staff birthday or wedding anniversary
- Mediclaim support is also provided.
- Vishnu School fee concession 25 to staff children
- Dispensary in the college campus to look after the medical needs
- Creche in the campus to look after staff kids.

#### Welfare Measures for non-Teaching Staff:

- Gifts are given on staff birthday or wedding anniversary
- Mediclaim insurance support is also provided.
- Vishnu School fee concession 25 to staff children
- Dispensary in the college campus to look after the medical needs

- ESI is provided
- Creche in the campus to look after staff kids.

Avenues for their career development/ progression:

- Financial support will be provided for the faculty to attend conferences/workshops.
- Encouraging faculty to attend various MOOCs courses like NPTEL and Coursera

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

### 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

22

File Description	Documents
Upload any additional information	No File Uploaded
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

10

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	No File Uploaded

### 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.)

All our faculty members and students attended FDPs, Online Certifications, Workshops, Webinars, etc during these COVID times

File Description	Documents
Summary of the IQAC report	No File Uploaded
Reports of the Human Resource Development Centres (UGC ASC or other relevant centers)	<a href="#">View File</a>
Upload any additional information	No File Uploaded

#### 6.4 - Financial Management and Resource Mobilization

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

The institute has a mechanism for internal and external audit, We have our own internal audit mechanism which is an ongoing continuous process in addition to the external auditors to verify and certify the entire income and expenditure and the Capital Expenditure of the Institute each year. Qualified Internal Auditors from external resources have been permanently appointed and a team of staff under them do a thorough check and verification of all vouchers of the transactions that are carried out in each financial year. Likewise an external audit is also carried out on an elaborate way on quarterly basis. The institutional accounts are audited regularly by both internal and statutory audits. So far there have been no major findings/objections. Minor errors of omissions and commissions when pointed out by the audit team are immediately corrected/rectified and precautionary steps are taken to avoid recurrence of such errors in future. The Institute diligently follows the financial audit mechanism on a timely basis. In view of autonomous, the scope of internal audit and external audit is extended to autonomous issues like course structure design, syllabus framing, examination conduction, documentation and maintenance.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	Nil

##### 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)****NIL**

File Description	Documents
Annual statements of accounts	No File Uploaded
Details of funds / grants received from non-government bodies, individuals, philanthropists during the year	<a href="#">View File</a>
Any additional information	No File Uploaded

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

**Faculty Members are encouraged to apply for Research and other Funds from DST, AICTE, etc.**

**Internal and External Audit is the existing mechanism for checking whether the funds are being properly utilized or not**

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional Information	Nil

**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)**

**The IQAC has consistently striven to institutionalize quality assurance strategies and processes at every level of the institution's functioning. From devising strategies to improve the teaching-learning process through increased use of ICT, expanding the scope of the library, transforming it into a multivalent knowledge portal and signing MoUs with research institutes to re-defining the boundaries of a vitalizing, meaningful and holistic education the IQAC has been a proactive player in the overall benchmarking process. The IQAC has regularly convened meetings; it has collected feedback in appropriate forms from different stakeholder categories, analyzed the same, and used it for**

qualitative improvement; it has organized Academic and Administrative Audit and has initiated follow-up action as per the suggestions and recommendations of the eminent evaluators.

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

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

#### Internal Quality Assurance Cell (IQAC)

The IQAC makes a concerted effort to review and sustain the quality standards of the College in every aspect of functioning - Curricular, Teaching Learning and Evaluation, Infrastructure, Student Support, Research, Consultancy and Extension, Governance, Leadership, and Innovative Practices, guided by the QAC (Quality Advisory Committee).

- The members of IQAC meet every month to review, discuss and plan for quality sustenance and enhancement in academics as well as administration.
- The IQAC Coordinates the conduct of orientation/induction program for new entrants - students and Faculty.
- Monitors student support and welfare measures in the college campus.
- Conducts an annual evaluation/academic audit with the help of the Senior Faculty.
- Reviews examination results semester wise and works out strategies to improve student performance

The IQAC plans and decentralizes the various academic and administrative functions/activities of the college. It delegates powers to the various departments on a rotation basis to manage the following aspects:

1. Parent-Teacher Partnership
2. Student Discipline & Attendance
3. Personal Empowerment/Mentoring
4. Student Placement & Welfare
5. Add on/Certificate/Diploma Courses
6. Student activities



## 7. Faculty recharging programs

### Functions of the IQAC

- Development and application of quality benchmarks and parameters for academic and administrative activities.
- Facilitating the creation of a learner-centric environment for participatory and technology-enabled teaching-learning.
- Collection and analysis of feedback from all stakeholders on institutional processes and taking necessary action.
- Dissemination of information to all stakeholders.
- Organization of inter and intra institutional workshops, seminars.
- Documentation of the various programs/activities.
- Acting as a nodal agency for coordinating quality-related activities, including the adoption and dissemination of best practices.
- Periodical conduct of Academic and Administrative Audit and its follow-up.
- Preparation and submission of the Annual Quality Assurance Report.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	Nil

**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	Nil
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

A number of measures were taken in Vishnu Institute of Technology in view of promoting gender equity and sensitization for women on campus. A programme titled AMDOC was organized by the institute on 11/11/2020. 53 Females participants attended the programme and there were no male participants here. Athena Health programme started on 26/11/2020 in which 30 female participants without men. BNY Mellon programme was started on 15/12/2020 with 50 female participants without men. NCR programme started with 56 female women participants without men. Palo Alto Networks programme was started on 25/02/2021 with twenty women participants without men. PwC programme as started on 10/03/2021 with five women participants without men in it. Sonata Software programme was started on 15/03/2021 in within there were two women participants. WiDS Datathon programme by Harvard University was started from 19/02/2021 to 08/03/2021. There seven women and three men participant in there programme. WE - Women Engineers Talent Sprit as conducted on 01/03/2021 there were a maximum number of 300 women participants without men. Awareness Programme on "Breast Cancer and Cervical Cancer in Women was conducted on 27/03/2021 there were 20 female participants. Finally a programme on Strategies for Enhancement of Gross Enrolment Ratio (GER) in Higher education was conducted on 14/11/2020. there was 35 female participants and a maximum number of 151 male participants in the programme. All the above mentioned programmes were organised by the institute during the year 2020-21.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional Information	<a href="https://vishnu.edu.in/NAAC/AQAR2020-21/7_1_1MeasuresforPromotionofGenderEquity.pdf">https://vishnu.edu.in/NAAC/AQAR2020-21/7_1_1MeasuresforPromotionofGenderEquity.pdf</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	No File Uploaded

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)

Sewage treatment is a type of wastewater treatment which aims to remove contaminants from sewage to produce an effluent that is suitable for discharge to the surrounding environment or an intended reuse application, thereby preventing water pollution from raw sewage discharges. Every day 200KLD of Waste Water is treated through this plant. The treated Sewage waste water is used for gardening Purpose & the dried Sludge is used as Manure for Plants.

Water treatment is a process that improves the quality of water to make it appropriate for a specific end-use. The end use may be drinking, industrial water supply, irrigation, river flow maintenance, water recreation or many other uses, including being safely returned to the environment. The treated water is Packed in Water Bottles & Supplied during any inter collage events.

**BIO-MEDICAL WASTE:** Any waste which is generated during the diagnosis, treatment or immunization of human beings or animals or in research activities pertaining there to or in the production or testing biologically. Waste from surgery on patients with infectious disease. Bio-Medical Waste is segregated & transported through a Collection Point by the Municipality Staff. The Collection point of all the Bio Medical waste is located near the

**dental hospital.**

File Description	Documents
Relevant documents like agreements/MoUs with Government and other approved agencies	No File Uploaded
Geotagged photographs of the facilities	<a href="#">View File</a>
Any other relevant information	No File Uploaded

**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	No File Uploaded

**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	No File Uploaded
Any other relevant documents	No File Uploaded

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>
File Description	Documents
Reports on environment and energy audits submitted by the auditing agency	No File Uploaded
Certification by the auditing agency	No File Uploaded
Certificates of the awards received	<a href="#">View File</a>
Any other relevant information	No File Uploaded
<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, reader, scribe, soft copies of reading materials, screen reading, etc.</b></p>	<p><b>A. Any 4 or all of the above</b></p>

File Description	Documents
Geotagged photographs / videos of facilities	<a href="#">View File</a>
Policy documents and brochures on the support to be provided	No File Uploaded
Details of the software procured for providing assistance	No File Uploaded
Any other relevant information	No File Uploaded

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).

VIT is undertaking various initiatives in the form of celebration of days of Eminent personalities National Festivals, NSS and other such activities to provide for an inclusive environment by bringing students and teachers with diverse background on single platform for creating inclusive environment ,These functions help in developing tolerance harmony towards culture ,region and linguistics and also communal social economics and other diversities. The subject Constitution of India and professional ethics is made mandatory to all B.E students across disciplines. Two important national festivals, Republic Day and Independent Day are celebrated every year in University Head Quarters and It's Four Regional centre .All teaching , non teaching staff and students participate for the cause of nation. The inspiring speeches are conducted.

Institute has code of ethics for students and a separate code of ethics for teachers and other employees which has to be followed by each one of them irrespective of their cultural, regional, linguistic, communal socioeconomic and other diversities

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:

Vishnu institute of technology always believe in giving all round

education to the students by sensitizing students on constitutional rights, values, duties and responsibilities as a part of education given at the institute through various means.

Sensitization of students and employees of the Institution is done through curriculum as well as through extra-curricular activities. Topics which sensitize the students about the values, rights, duties and responsibilities of citizens are explained through subjects like constitution of India, professional ethics and human values. In the subject "constitution of India" the students learn about constitutional rights, duties & Responsibilities of citizens to be followed are covered. Professional ethics and human values is made as a Mandatory subject to all the branches of engineering and Technology Programs. It is also made mandatory for students take a course on Environment studies in their first year which gives them insight into environment acts, wildlife protection act, forest act, global environmental concerns etc.

Our institute also conducts seminars and workshops on days of national importance as a part of awareness to the students and faculty. NSS unit of the institution conducts activities which are prescribed by government of India in the college campus as well as in the nearby village area.

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	No File Uploaded

**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**

**B. Any 3 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	No File Uploaded
Any other relevant information	No File Uploaded

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

Vishnu institute of technology always believes in celebrating events and festivals in the campus to improve social cohesion. It helps students to learn and understand the need and importance of the events. The College makes incredible efforts in celebrating the national and international days, events and festivals throughout the year. In academic year 2020-2021, we celebrated the following days like International Yoga Day, National Library day, Independence Day, Republic Day, Birth Anniversary of Dr. Sarvepalli Radhakrishnan as teacher's day, Birth anniversary of Mahatma Gandhi, Birth anniversary of Swami Vivekananda. The college also believes that education will allow the students to flourish, blossom only by providing them the right platform where they will work towards becoming a responsible citizen.

S.No

Event Name

Date

Number of participants

1

International Yoga Day

21/06/2020

30



2

Independence Day

15/08/2020

20

3

Birth Anniversary of Dr. Sarvapalli Radhakrishnan

05/09/2020

20

4

Birth anniversary of Mahatma Gandhi

02/10/2020

20

5

National Library Week

14/11/2020 to 20/11/2020

100

6

Birth Anniversary of Swami Vivekananda (Yuva Din)

12/01/2021

20

7

Republic Day

26/01/2021

15

8

International Women's Day

08/03/2021

60

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	No File Uploaded
Any other relevant information	No File Uploaded

## 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 I: Innovation & Entrepreneurship Development

1. Title of the practice: Innovation & Entrepreneurship Development

2. The context that required the initiation of the practice

The Govt. of India initiative and support towards the innovation and Startups encouraged the implementation of the initiative with full swing at our institute. The scope of having more innovations in this region helps our students to remain motivated towards finding innovative solutions for the regional problems. Institute has great potential with most of our faculty and students innovative and entrepreneurial activities taking place under Innovation and Entrepreneurship Cell (IEDC) and more number of the students engrossed in IEDC objectives. Mainly, the Innovation culture and supporting ambience in the institute is congenial for students participation in entrepreneurial activities. Institute has a well planned schedule for conducting Training programs, Ideathons and Hackathons to address local and global community issues. Institute has a patronizing ecosystem with a plethora of

activities to inculcate a passion for innovation among young minds with a vision focused on our Nation's progress.

3. Objectives of the practice Our practice is in having the clear Vision and Mission to nurture the innovation spirit in student's minds by creating and providing a great platform to come up with the solutions for various problems as Ideation competitions and hackathons and many social entrepreneurial activities. Identifying the need for various local community-based markets and targeted towards the solutions.

#### 4. The Practice

Institute has a well-supported ecosystem with a lot of activities towards inculcating the young minds towards Innovation for their own as well as national progress. We are with Institution Innovation Council (IIC) is an Initiative of 'MHRD's Innovation Cell (MIC)', MHRD, Govt. of India for selected Higher Education Institutes, to create and strengthen the culture of Innovation and Entrepreneurship ecosystem by promoting and supporting students innovations and sustainable startups from Vishnu Institute of Technology.

Innovation and Entrepreneurship Development Cell was established at Vishnu Institute of Technology to enable a creative, innovative design thinking mindset with problem-solving skills and excellence in research for sustainable Business Models/Startups among young generation towards the capacity and capability of building Atmanirbhar Bharat.

Institution Innovation Council (IIC) is an Initiative of 'MHRD's Innovation Cell (MIC)', MHRD, Govt. of India for selected Higher Education Institutes, to create and strengthen the culture of Innovation and Entrepreneurship ecosystem by promoting and supporting students innovations and sustainable startups from Vishnu Institute of Technology. Institution's Innovation Council (IIC) - Ministry of Education Innovation Cell (MoE's Innovation Cell), Govt. of India was established at Vishnu Institute of Technology to focus on creating complete ecosystem which will foster the culture of Innovation at our Institute.

Vishnu Institute of Technology has established Rural Entrepreneurship Development Cell (REDC) with support from Mahatma Gandhi National Council of Rural Education (MGNCRE), Department of Higher Education, Ministry of Education, Government of India to

involve our students in the process of building resilient rural India which enable development of sustainable, resilient rural livelihoods by focusing on understanding Entrepreneurship in Rural Context, developing entrepreneurial skills, identify rural potential for a business idea, skills to convert the idea into a commercial viable business concepts.

Tie Hyderabad Chapter at Vishnu Institute of Technology supports students with Startup workshops, Bootcamp sessions, Youth Entrepreneurship academy, and Bootcamp sessions catering to enhancing the knowledge about business, entrepreneurship, and new methods of enhancing ideation and innovation. Provided with high mentoring support. We encourage our students to participate in TiE Grad, TiE Young Entrepreneurs, TYE Summer, Open Mic, Mentor Advisor, Deeptech SIG, Investor Connect, Knowledge Series, Leadership Series & My Story entrepreneurial events at TiE Hyderabad.

#### 5. Obstacles faced if any and strategies adopted to overcome them

One of the major problems that we have is balancing academics and entrepreneurial activities. Most of the students were interested to take over the E-Cell activities but, due to the other academic workload, they weren't able to work as expected. However, Govt. of India and AICTE has declared clear instructions to the institutes to add up on the attendance and allot a few weeks in a semester for the students as mandatory for participating in the entrepreneurial activities. Thus we were able to overcome the situation.

#### 6. Impact of the practice

Innovation/IP/Start-up Clinic is a counselling/mentoring time slot of 2-3 hours on a specific day during a particular week is reserved by the Innovation Ambassador (IA) to interact/mentor/address the queries from students/faculties/staff related to Innovation/IPR/Start-up.

Recently, we initiated VITE Talks, which create a virtual platform to PROMOTE innovation/entrepreneurship in young innovators/students. iEDC planning the talks from eminent Leaders, innovators, young entrepreneurs, scientists, researchers and startups to provide an opportunity for our students for COLLABORATION. In the vision of SabkaSaath, SabkaVikaas,

SabkaVishwas' we will be stepping into this new initiative, impacting on innovations at VIT Bhimavaram.

We aim to channelize the mindset of the young generation towards the capacity and capability of building ATMANIRBHAR BHARAT to make India a self-reliant nation. This ecosystem will encourage, inspire and nurture young students by exposing them to new ideas and processes resulting in innovative activities in their formative years. We stepping towards promoting innovation mindset in every aspect to unleash the creative potential of the youth of the nation and contribute to our nation building endeavours through VITe Talks at Vishnu Institute of Technology.

7. Resources required: A dedicated workplace (incubation centre) and support from the faculty to mentor and encourage them towards the entrepreneurship activities. Infrastructure and Incubation centre access. Field trips to the nearest Incubation Centers to visit the startups.

## Best Practice II: Campus Recruitment Training

1. Title of the practice: Campus Recruitment Training

2. The context that required the initiation of the practice

Now a days, students are technically competent but they can't get employed unless they are good at Quantitative, Logical, Verbal aptitude, writing skills, communication, resume building skills and coding skills, we have initiated this practice in our institute to improve the student's aptitude and problem solving skills by inducting the aptitude classes along with regular academics. General perception of aptitude is often confused with Mathematical skills but aptitude is strengthened with general knowledge and speed mathematics. Majority of our students hail from rural background where there is meagre scope to speak in any other language except their mother tongue, therefore communication skills training in English is essential to make the students to open up and express themselves. Students need to switch from offline to virtual online campus training and virtual mentoring, progressively monitoring by the faculty and performance grades were given and make the students ready for virtual recruitment process.

3. Objectives of the practice

To improve the student's aptitude, written and communication skills by providing resource material and online quizzes. To improve the student's problem solving skills and empower them to tackle real-world problems. To improve the students and able to perform well at Technical interview and HR interviews through virtual learning. A one-to-one mentoring will be held to all registered students by a TP cell coordinator and the Head of the Department.

#### 4. The Practice

Usually this practice starts from 5th semester, student's will undergo training classes along with their regular academics and online material is provided for all the topics, students can access the content from anywhere using a computer or mobile. For each topic, the online quizzes are provided in three levels - easy, medium, and difficult. Student's performance will be monitored by a training team and remedial classes will be conducted for the students who are weak in a particular topic. The specific topics which are required for various companies are also given special emphasis. Majority of the industries are using online written skills evaluation where a student's performance is automatically evaluated without human intervention, we have our own grammar evaluation tool developed by a team of students with the help of faculty, the tool will evaluate the written English for grammar and punctuation mistakes, many self practice and assessment questions are available in-built in the platform, self practice questions can be attempted by the students without any faculty support from home also, after each question is submitted, the student will be getting a report of the mistakes they have made and suggestion for the correct answer. Assessment questions are used to evaluate the student's performance and initiate necessary future actions. Group discussions and presentations play a major role in improving the student's communication skills every week, students are given a topic to prepare and discuss, this enables the students to improve their confidence and communication skills as well. We also conduct resume building sessions, students are informed about the best practices and common mistakes to be avoided in resume building. One to one interviews by Intra and inter department faculty also help the students to overcome fear of interviews. The next major thrust is coding skills, we group the students into various levels based on their interest and capability, students who are meritorious and skilled with an aptitude for higher order coding are specially trained for niche product companies with high packages and medium and basic level students training will be focused towards employment in service

level companies. Students were graded based on their performance in their virtual recorded video on Technical interviews and HR interviews. A leader board has initiated to help the students to track the actual progress level in problem solving skills.

#### 5. Obstacles faced if any and strategies adopted to overcome them

One of the major problems that we have is balancing the academics and campus recruitment training, nothing can be ignored - during the time of academic exams we concentrate less on the training and give more importance to academics. The next obstacle is the computer resources, as majority of our training is online based, we often need more number of computers for the students to practice - as majority of the platforms can also be accessed on mobile, we encourage the students to write the exams in mobile whenever possible. The next challenge that we face is how to keep the students motivated throughout the training - as the training is imparted over a four semester tenure, it is important to sustain the students focus and momentum throughout the four semesters - A team of dedicated coordinators in all the departments hand hold the students and support them during stressful situations, very few students out of ignorance may use malpractices, our systems are intelligent enough to identify the students and we give special counselling to them. Online interview requires preparedness for the timely presents but few students try to avoid the time management of certain reasons for their negligence and importance of interview, those students are properly counselled by their respective mentors by regularly pushing their carrier by encouraging them.

#### 6. Impact of the practice

We have seen tremendous improvement in the student's aptitude, written, communication, coding skills compared to earlier years where a student was given campus recruitment training for a very short period. This has significantly increased the percentage of students placed in recent years. Our placement percentages have always been above 90%. We also see remarkable growth in the number of students getting placed in product companies like Amazon, Expedia, Kony labs, Coviam technologies, Open-text etc. with a high package. There is tremendous improvement in the student's communication skills which is the reason of why our students are able to show exemplary performance in the interviews. Students have developed new way of learning skills by adopting virtual

interviews and attains confident and preparedness to attend for virtual interviews recruitment process.

7. Resources required: A dedicated team of faculty mentors, computers to practice, and internet connection.

File Description	Documents
Best practices in the Institutional website	<a href="http://www.vishnu.edu.in/BestPractices.php">http://www.vishnu.edu.in/BestPractices.php</a>
Any other relevant information	Nil

### 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)

Vishnu Educational Development Innovation Centre plays a vital role with innovative programs to enhance the faculty and students. An awareness programme on Scientific Educational Practices for the faculty is arranged regularly by VEDIC workshops on several topics like CAST Train the Trainer, Think Technology Transform etc. Career Advancement Program provide students with adaptive and experiential learning strategy utilizing latest technology platforms like OpenEdX, Moodle, online forums like Piazza, hackathons, formative assessment. It also uses online coding platforms like HackerRank, Code School etc. CRT sessions for English, Quantitative Aptitude, Logical and Verbal reasoning. MOOC courses are offered to students with the Content developed and posted in LMS portal. In order to make Higher education relevant to the industry, we believe in nurturing the innovative bent of mind of our students and in that direction multi disciplinary Theme Labs and Centres of Excellence (COE) such as the Assistive Technology Lab that provides Engineering Solutions for persons with disabilities, National Instrumentation, E.D.C, all these have provided opportunities for students to show case their innovative activities in collaboration with industries. Radio Vishnu 90.4 and Vishnu TV academy provided a platform for our students to develop and present educative and socially relevant content to the local community



File Description	Documents
Appropriate link in the institutional website	<a href="http://www.vishnu.edu.in/InstDistingtivene ss.php">http://www.vishnu.edu.in/InstDistingtivene ss.php</a>
Any other relevant information	No File Uploaded

### 7.3.2 - Plan of action for the next academic year

Following are the activities planned for the next academic year:

- 1) The institution is planning to provide additional waiting room for students and women faculty in the coming academic year.
- 2) More Awareness programs will be organized for freshmen with regard to Ragging, Drugs etc .
- 3) Measures will be taken to expand generation and utilisation of solar power plant from the existing capacity.
- 4) The institution will take initiative to improve the existing facilities for alternative energy sources and energy conservation by increasing the utilisation of LED lighting and energy-efficient equipment.
- 5) The college has taken initiative to avoid usage of plastic in the campus as a part of green initiative and in this process it is also planning awareness programs through NSS volunteers in the near by villages.
- 6) The institution will conduct awareness programs for freshman and faculty on code of conduct