



## YEARLY STATUS REPORT - 2021-2022

### Part A

#### Data of the Institution

##### 1.Name of the Institution

VIDYAVARDHINI'S COLLEGE OF  
ENGINEERING AND TECHNOLOGY

- Name of the Head of the institution **Dr. Harish V. Vankudre**
- Designation **Principal**
- Does the institution function from its own campus? **Yes**
- Phone no./Alternate phone no. **02502338234**
- Mobile No: **9860176909**
- Registered e-mail **vcet\_inbox@vcet.edu.in**
- Alternate e-mail **principal@vcet.edu.in**
- Address **K. T. Marg, Vasai Road(West),  
Dist. Palghar**
- City/Town **Vasai**
- State/UT **Maharashtra**
- Pin Code **401202**

##### 2.Institutional status

- Affiliated / Constitution Colleges **Affiliated**
- Type of Institution **Co-education**
- Location **Rural**

- Financial Status **Self-financing**
- Name of the Affiliating University **University of Mumbai**
- Name of the IQAC Coordinator **Dr. Megha TRivedi**
- Phone No. **02502338234**
- Alternate phone No. **02502338234**
- Mobile **9764197184**
- IQAC e-mail address **iqac@vcet.edu.in**
- Alternate e-mail address **megha.trivedi@vcet.edu.in**

**3.Website address (Web link of the AQAR (Previous Academic Year)**

[https://vcet.edu.in/wp-content/uploads/2023/05/AQAR\\_2020-21.pdf](https://vcet.edu.in/wp-content/uploads/2023/05/AQAR_2020-21.pdf)

**4.Whether Academic Calendar prepared during the year?**

**Yes**

- if yes, whether it is uploaded in the Institutional website Web link:

<https://vcet.edu.in/wp-content/uploads/2022/01/acad-Even-sem-21-22.pdf>

**5.Accreditation Details**

Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
<b>Cycle 1</b>	<b>B+</b>	<b>2.69</b>	<b>2019</b>	<b>28/03/2019</b>	<b>27/03/2024</b>

**6.Date of Establishment of IQAC**

**10/07/2017**

**7.Provide the list of funds by Central / State Government**

**UGC/CSIR/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.,**

Institutional/Department /Faculty	Scheme	Funding Agency	Year of award with duration	Amount
Dr.Uday V.Aswalekar and Dr.Ashish J. Chaudhari	AICTE-MODROB	AICTE	2021	1273500
TEAM SOLECTHON	Project Funding	Adam Fabriwork Pvt. Ltd.	2021	101000
TEAM SOLECTHON	Project Funding	Gajdeep Enterprises	2021	10000

**8.Whether composition of IQAC as per latest NAAC guidelines** **Yes**

- Upload latest notification of formation of IQAC [View File](#)

**9.No. of IQAC meetings held during the year** **4**

- Were the minutes of IQAC meeting(s) and compliance to the decisions have been uploaded on the institutional website? **Yes**
- If No, please upload the minutes of the meeting(s) and Action Taken Report [View File](#)

**10.Whether IQAC received funding from any of the 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)**

Guidance Session on Implementation of Examination Reforms, Teaching Learning by experts from reputed Institutes

Academic Audits of the Departments through Experts from reputed Institutes

Revision of Performance Appraisal form

Revision of feedback form from all stake holders

Revision of Rubrics for various assessment tools

**12. Plan of action chalked out by the IQAC in 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
Training faculty on Implementation of Examination Reforms, Teaching-Learning, Pedagogy etc., by experts from reputed Institutes	5 programmes related to Implementation of Examination Reforms, Teaching-Learning, Pedagogy etc., were organised by experts from reputed Institutes. Faculty were promoted to attend training programmes outhouse
Application for NIRF ranking	Application for NIRF ranking was filed on 10/02/2022
Revision of Academic Documents	Academic Audit form, Feedbacks form for all stake holders, Self-appraisal form, Rubrics for various assessment tools were revised

**13. Whether the AQAR was placed before statutory body?** Yes

- Name of the statutory body

Name	Date of meeting(s)
College Development Committee	21/03/2023

**14. Whether institutional data submitted to AISHE**

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

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Year	Date of Submission				
2021	19/12/2022				
<b>15.Multidisciplinary / interdisciplinary</b>					
<b>16.Academic bank of credits (ABC):</b>					
<b>17.Skill development:</b>					
<b>18.Appropriate integration of Indian Knowledge system (teaching in Indian Language,</b>					



culture, using online course)

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

Outcome-Based Education(OBE) is a [student-centric learning](#) model. Based on diversity among students' knowledge and ability, faculty members can adopt various teaching and assessment techniques. OBE mainly focuses on Life skills, Professional and vocational skills, Intellectual skills, Interpersonal and personal skills. Student involvement in the classroom plays key role in OBE. For multidimensional development of students, faculty members are encouraged to use various instructional methods such as ICT based Learning, Experiential Learning, Participative Learning, Collaborative Learning, expert sessions from industries and academia. To monitor teaching learning process and to adopt the OBE efficiently and effectively, Program Assessment and Quality Improvement Committee(PAQIC) is formed in the Institute. The main objective of the committee is to set the standards and processes for qualitative outcome. The committee also monitors the processes, identifies the gaps, and suggests the corrective measures. As we know that Program Educational Objectives(PEO), Program Outcomes(PO) and Course Outcomes(CO) are the key constituents of OBE. The PAQIC plays very crucial role in guiding the faculty members to align their efforts towards OBE and the attainment of COs and POs which ultimately helps in student development. Faculty members and students are encouraged to take up courses offered by many Massive Open Online Courses(MOOCs).

### 20.Distance education/online education:

## Extended Profile

### 1.Programme

1.1 546

Number of courses offered by the institution across all programs during the year

File Description	Documents
Data Template	<a href="#">View File</a>

### 2.Student

2.1 **1796**

Number of students during the year

File Description	Documents
Data Template	<a href="#">View File</a>

2.2 **107**Number of seats earmarked for reserved category as per GOI/  
State Govt. rule during the year

File Description	Documents
Data Template	<a href="#">View File</a>

2.3 **441**

Number of outgoing/ final year students during the year

File Description	Documents
Data Template	<a href="#">View File</a>

**3.Academic**3.1 **98**

Number of full time teachers during the year

File Description	Documents
Data Template	<a href="#">View File</a>

3.2 **82**

Number of Sanctioned posts during the year

<b>Extended Profile</b>	
<b>1.Programme</b>	
1.1 Number of courses offered by the institution across all programs during the year	<b>546</b>
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File Description	Documents
Data Template	<a href="#">View File</a>
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File Description	Documents
Data Template	<a href="#">View File</a>

3.2	82
Number of Sanctioned posts during the year	
File Description	Documents
Data Template	<a href="#">View File</a>
<b>4.Institution</b>	
4.1	24
Total number of Classrooms and Seminar halls	
4.2	50132976.74
Total expenditure excluding salary during the year (INR in lakhs)	
4.3	723
Total number of computers on campus for academic purposes	

## Part B

### CURRICULAR ASPECTS

#### 1.1 - Curricular Planning and Implementation

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

Institute is affiliated to University of Mumbai and approved by AICTE. Before commencement of every semester, Principal conducts a meeting with Head of Departments(HODs) and all other functional heads to finalize academic calendar. It is prepared in-line with the guidelines provided by University of Mumbai. It includes all major co-curricular and extra-curricular activities. Academic Calendar is displayed on notice boards and College Website. Time table is proposed and approved by Principal. HOD allocates workload to faculty based on their expertise and subject preferences. Faculty members prepare lesson plan and course file which includes syllabus, notes and University question papers. Course booklet is maintained by faculty member which includes weekly report, Course Outcomes, Course Outcome-Program Outcome mapping, etc. Project progress is monitored and evaluated by project guides along with panel at various stages and is recorded Project handbook. Effective curriculum delivery is ensured by modern teaching-learning

tools, tutorials, case studies, quizzes, assignments, internal assessment, mini projects, industrial visits, internships, etc. Continuous assessment of each student is done throughout the semester. Student attendance is monitored monthly and defaulter list is displayed and parents are intimated through letter about the same by respective proctors. Course feedback is taken from students twice a semester.

File Description	Documents
Upload relevant supporting document	No File Uploaded
Link for Additional information	Nil

1.1.2 - The institution adheres to the academic calendar including for the conduct of Continuous Internal Evaluation (CIE)

The academic calendar of the Institute is prepared semester-wise in line with that of the University of Mumbai. It is approved by Dean-Academics and Principal. The tentative academic calendar is disseminated to the students and faculty well in advance before the commencement of the academic term by publishing it on the Institute website. All the activities like term start, end dates, conduction of internal assessment, display of results, display of defaulter list followed by mentoring of defaulter students, Co-curricular and extra-curricular activities, public holidays, commencements of theory/practical/viva exams etc. are all executed as per the timeline specified in the academic calendar. Moreover, all the events/activities are conducted adhering to the timeline specified in the academic calendar. Additionally, a departmental activity calendar is published which includes activities like department meetings, proctor meetings, project meetings, placement activities, industrial visits, events related to students' activities, etc. are strictly adhered to the schedule. Any change in schedule is permitted after due deliberation in HOD meeting with Principal. Various assessment tools like Internal Assessments, Quizzes, Assignments, Tutorials, Experiments, Seminar, Course Project, Case Study, Course Exit Survey, etc., are used as a part of In-Semester evaluation as per the requirement of the course.

File Description	Documents
Upload relevant supporting documents	<a href="#">View File</a>
Link for Additional information	Nil

**1.1.3 - Teachers of the Institution participate in following activities related to curriculum development and assessment of the affiliating University and/are represented on the following academic bodies during the year. Academic council/BoS of Affiliating University Setting of question papers for UG/PG programs Design and Development of Curriculum for Add on/ certificate/ Diploma Courses Assessment /evaluation process of the affiliating University**

**A. All of the above**

File Description	Documents
Details of participation of teachers in various bodies/activities provided as a response to the metric	<a href="#">View File</a>
Any additional information	No File Uploaded

## 1.2 - Academic Flexibility

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

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

**8**

File Description	Documents
Any additional information	No File Uploaded
Minutes of relevant Academic Council/ BOS meetings	No File Uploaded
Institutional data in prescribed format (Data Template)	<a href="#">View File</a>

**1.2.2 - Number of Add on /Certificate programs offered during the year**

**1.2.2.1 - How many Add on /Certificate programs are added during the year. Data requirement for year: (As per Data Template)**

10

File Description	Documents
Any additional information	No File Uploaded
Brochure or any other document relating to Add on /Certificate programs	No File Uploaded
List of Add on /Certificate programs (Data Template )	<a href="#">View File</a>

**1.2.3 - Number of students enrolled in Certificate/ Add-on programs as against the total number of students during the year**

486

**1.2.3.1 - Number of students enrolled in subject related Certificate or Add-on programs during the year**

486

File Description	Documents
Any additional information	No File Uploaded
Details of the students enrolled in Subjects related to certificate/Add-on programs	<a href="#">View File</a>

**1.3 - Curriculum Enrichment**

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

Institute takes efforts to addresses issues of Professional Ethics, Gender, Human Values, Environment and Sustainability awareness among staff and students through Curriculum, CoCurricular and Extra-Curricular activities.

Table 1.3.1 Courses relevant to Gender, Environment and Sustainability, Human Values and Professional Ethics

Sr. No.

Issues

**Student Level and Program Name**

**Courses**

1

**Gender & Human Values**

**F.E. (Applied Science and Humanities)**

**Professional Communication and Ethics**

**T.E. (All Branches)**

**Project Management**

2

**Environment & Sustainability**

**B.E. (All Branches)**

**Environmental Management**

**Energy Audit and Management**

**Disaster Management and Mitigation Measure**

**B.E. (Mechanical Engineering)**

**Renewable Energy Systems**

**B.E. (Civil)**

**Solid Waste Management**

**Industrial Waste Treatment**

3

**Professional Ethics**

**T.E. (All Branches)**



**Business Communication and Ethics**

**T.E. (Computer Engineering)**

**Cryptography And System Security**

**T.E. (IT)**

**Cryptography & Network**

**Security**

**B.E. (All Branches)**

**Professional Ethics and Corporate Social Responsibility**

**Cyber Security and Laws**

**B.E. (IT)**

**Digital Forensics**

**B.E.(Computer Engineering)**

**Advance System Security & Digital Forensics**

**B.E. (Civil)**

**Entrepreneurship Development and Management**

File Description	Documents
Any additional information	<b>No File Uploaded</b>
Upload the list and description of courses which address the Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum	<a href="#">View File</a>

**1.3.2 - Number of courses that include experiential learning through project work/field work/internship during the year**

63

File Description	Documents
Any additional information	No File Uploaded
Programme / Curriculum/ Syllabus of the courses	No File Uploaded
Minutes of the Boards of Studies/ Academic Council meetings with approvals for these courses	No File Uploaded
MoU's with relevant organizations for these courses, if any	No File Uploaded
Number of courses that include experiential learning through project work/field work/internship (Data Template)	<a href="#">View File</a>

### 1.3.3 - Number of students undertaking project work/field work/ internships

561

File Description	Documents
Any additional information	No File Uploaded
List of programmes and number of students undertaking project work/field work/ /internships (Data Template)	<a href="#">View File</a>

## 1.4 - Feedback System

**1.4.1 - Institution obtains feedback on the syllabus and its transaction at the institution from the following stakeholders**  
**Students Teachers Employers Alumni**      **A. All of the above**

File Description	Documents
URL for stakeholder feedback report	No File Uploaded
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management (Upload)	No File Uploaded
Any additional information(Upload)	No File Uploaded

**1.4.2 - Feedback process of the Institution may be classified as follows**

**B. Feedback collected, analyzed and action has been taken**

File Description	Documents
Upload any additional information	<a href="#">View File</a>
URL for feedback report	Nil

## TEACHING-LEARNING AND EVALUATION

### 2.1 - Student Enrollment and Profile

#### 2.1.1 - Enrolment Number Number of students admitted during the year

##### 2.1.1.1 - Number of sanctioned seats during the year

443

File Description	Documents
Any additional information	No File Uploaded
Institutional data in prescribed format	<a href="#">View File</a>

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

##### 2.1.2.1 - Number of actual students admitted from the reserved categories during the year

84

File Description	Documents
Any additional information	No File Uploaded
Number of seats filled against seats reserved (Data Template)	<a href="#">View File</a>

## 2.2 - Catering to Student Diversity

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

Slow, average, and advanced learners are identified on basis of their previous semester results as follows:

Sr. No.

Criteria

(Based on result of previous semester)

Category

1.

Backlog and/or CGPA < 5

Slow Learner

2.

5 < CGPA < 8

Average Learner

3.

CGPA > 8

Advanced Learner

**Slow learners:**

Remedial/extra lectures are organized along with individual interaction. Question Bank is provided along with exam-oriented guidance. Personal counselling provided by mentors/ course teacher, to improve their confidence. Their performance has been observed and guidance will be provided till the student clears backlogs and improved CGPA. Students are encouraged to participate in curriculum/extra curriculum activities.

**Average learners:**

The objective is to improve student's CGPA and academic performance. Students are encouraged participate in curriculum/extra curriculum activities and enroll for online courses. This is a continuous process which improves the learner's overall performance.

**Advanced learners:**

Advanced learners are encouraged to participate in technical competitions, technical paper presentations, workshops, entrepreneurship development programs, competitive exams, research activities etc. The students are groomed with professional guidance to imbibe employability skills. Best Outgoing Student award is presented to one of the Final year

student who excels academics and co-curricular/extra- curricular activities. Nominations are invited from each department.

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

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

Number of Students	Number of Teachers
1796	98

File Description	Documents
Any additional information	No File Uploaded

## 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

At VCET, we believe in Student Centric teaching-learning process. Various methodologies adapted for this include:

### Experiential Learning:

Students are asked to survey for minor and major projects as per curriculum. Project selection includes the originality of an idea, the social impact, the papers referred from reputed journals or conferences. Students are encouraged to implement Industrial/Societal projects. One of the best practices initiated by Institute is "Product Showcase". It is a platform for students to showcase their projects in front of delegates from various industry/organizations. Students demonstrate their project/product to the peers and visitors as well.

### Participative Learning:

The Institute has various student chapters of national and international professional societies viz., IEEE, ISA, CSI, IETE, VMEA, ISHRAE, CESA. This conducts various technical events, symposiums workshops, seminars, industry expert talks, interaction with alumni on emerging area etc.

### Collaborative Learning:

Institute encourages students to form selfmotivated peer groups such as Team Ethan, Team Solection, Quad Bike. Every year students engage in design and development activities and apply their technical knowledge to create practical models. Infrastructural, financial and mentoring assistance is provided to the students to pursue these activities.

File Description	Documents
Upload any additional information	No File Uploaded
Link for additional information	Nil

2.3.2 - Teachers use ICT enabled tools for effective teaching-learning process. Write description in maximum of 200 words

The Institute has an ERP system for ICT based teaching-learning process. Apart from this, the faculty members use various platforms and tools for implementation of ICT based teaching-learning process.

Students can access course materials, lecture recordings, attempt quizzes/ tests/ surveys and submit assignments/ tutorials for assessment through

online/ cloud based academic management systems. Many faculty members employ the flipped classroom concept thus promoting selflearning. The Institute promotes the use of e-resources/e-books which besides augmenting subject knowledge offers the advantage of being eco-friendly as well. The central library of the institute also has the facility to access various e-resources like e-books and e-journals. Students are encouraged to use the digital library for additional technical content.

In order to achieve Outcome-Based Education (OBE), faculty members and students take up MOOCs, NPTEL and Coursera certification courses. Scholarship for successful completion of NPTEL courses is also availed by many of our students.

The Institute has always motivated to use ICT by providing a favourable environment and infrastructure. ICT enabled Seminar room with recording facility, class-rooms with smart board and projector, internet connectivity and laptops has helped faculty members to create e-content and provided to students.

File Description	Documents
Upload any additional information	No File Uploaded
Provide link for webpage describing the ICT enabled tools for effective teaching-learning process	Nil

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

#### 2.3.3.1 - Number of mentors

79

File Description	Documents
Upload, number of students enrolled and full time teachers on roll.	No File Uploaded
Circulars pertaining to assigning mentors to mentees	No File Uploaded
mentor/mentee ratio	No File Uploaded

## 2.4 - Teacher Profile and Quality

### 2.4.1 - Number of full time teachers against sanctioned posts during the year

98

File Description	Documents
Full time teachers and sanctioned posts for year (Data Template)	<a href="#">View File</a>
Any additional information	No File Uploaded
List of the faculty members authenticated by the Head of HEI	No File Uploaded

### 2.4.2 - Number of full time teachers with Ph. D. / D.M. / M.Ch. /D.N.B Superspeciality / D.Sc. / D.Litt. during the year (consider only highest degree for count)

#### 2.4.2.1 - Number of full time teachers with Ph. D. / D.M. / M.Ch. /D.N.C Superspeciality / D.Sc. / D.Litt. during the year



19

File Description	Documents
Any additional information	No File Uploaded
List of number of full time teachers with Ph. D. / D.M. / M.Ch./ D.N.B Super specialty / D.Sc. / D.Litt. and number of full time teachers for year(Data Template)	<a href="#">View File</a>

### 2.4.3 - Number of years of teaching experience of full time teachers in the same institution (Data for the latest completed academic year)

#### 2.4.3.1 - Total experience of full-time teachers

1094

File Description	Documents
Any additional information	No File Uploaded
List of Teachers including their PAN, designation, dept. and experience details(Data Template)	<a href="#">View File</a>

## 2.5 - Evaluation Process and Reforms

2.5.1 - Mechanism of internal assessment is transparent and robust in terms of frequency and mode. Write description within 200 words.

Internal Assessment dates are communicated to the students at the beginning of every semester through the Academic Calendar. Internal Assessment (IA) exams are conducted on centralized level with a committee comprising of HODs and exam in-charges of each department. In each semester two Internal Assessment exams are conducted as per university guidelines and average of both the IA marks are considered.

### Question Papers:

The syllabus for IA exam along with the course outcomes(CO)

addressed through it is displayed on the Notice Board. Question papers are framed in a common format in alignment with CO and BT levels.

- Question paper with evaluation scheme is submitted to

Internal Assessment Monitoring Committee(IAMC).

- IAMC checks all necessary measures such as CO coverage, the difficulty level of question papers and the cognitive level covered. If question paper is satisfactory it is approved, and paper is sent for printing and submitted to exam Coordinator.

#### Evaluation:

Exams are conducted as per schedule and the assessment is carried out centrally. Model answers and evaluation scheme are submitted to exam coordinator. Assessed papers are distributed to students, question paper and answers along with evaluation scheme are discussed with students.

File Description	Documents
Any additional information	No File Uploaded
Link for additional information	Nil

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

#### Redressal of grievances (Internal examination)

The mechanism for redressal of grievances with reference to evaluation at the Institute level is as per the rules laid down by the University. This includes accepting the request forms for photocopy and re-evaluation from the students. Students are given 7 days time from the date of declaration of their results to apply for photocopy of their answer books and also to apply for re-evaluation.

- For re-evaluation, the answer books of the students for which they have applied, are taken out, masked again and sent to examiners of different colleges for re-evaluation.
- On receipt of the photocopy, if the student notices mistake in total and / or non-assessment of a question / sub-question, he / she has to apply to the Principal in

the prescribed form within 3 days from the date of receipt of the photocopy. All such grievances are forwarded to the concerned internal examiners for necessary action.

File Description	Documents
Any additional information	No File Uploaded
Link for additional information	Nil

## 2.6 - Student Performance and Learning Outcomes

2.6.1 - Teachers and students are aware of the stated Programme and course outcomes of the Programmes offered by the institution.

Institute adheres to the Programme Outcomes(POs) as specified in the Washington Accord adopted by the National Board of Accreditation. Each programme has defined Programme Educational Objectives(PEOs) and Programme Specific Outcomes(PSOs). The Institute follows the guidelines defined by NBA to formulate PSOs, PEOs and COs. These POs, PEOs and PSOs are explained to the students at the beginning of the semester. These POs, PEOs and PSOs are displayed on

- Institute website
- Department Office
- Course booklet of each course
- Department notice board.
- All laboratories.

The Institute is affiliated with the University of Mumbai and follows the syllabus set by the university. The University of Mumbai has adopted a Choice Based Credit and Grading System (CBCGS) with effect from the academic year 2016-17 (REV-2016). To fulfil the objectives of the student-centric approach of teaching-learning, Course Objectives and Course Outcomes are defined by the respective faculty member in consultation with the domain experts. Students are briefed about the COs by respective faculty members in the introductory lecture(s) of the course. They are also mentioned in the course booklets. These COs of all courses of each department are also published on the Institute website.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for Additional information	Nil
Upload COs for all courses (exemplars from Glossary)	No File Uploaded

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

The main objective of Outcome Based Education (OBE) is to inculcate Program Outcomes (POs) and Program Specific Outcomes (PSOs) in to graduating students. Hence, the assessment of POs and PSOs is an integral part of evaluating the quality of OBE system. The Course Outcomes (CO) contribute to the assessment of POs and PSOs as a part of In-Semester and End-Semester assessment.

As per the curriculum of University of Mumbai, COs of each course are defined and mapped with the POs and PSOs. The COs are evaluated using assessment tools like Internal Assessments, Quizzes, Assignments, Tutorials, Experiments, Seminars, Projects, Case Study, Course Exit Survey, etc., as a part of In-Semester evaluation. All COs are assessed collectively using tools like End Semester Exam, Term Work, Oral, and/or Practical Examination. The internal evaluation has a 20% weightage and external evaluation has an 80% weightage to calculate the attainment of a CO. After calculating the Overall CO Attainment, it is compared with the target value to check if the target is achieved or not. The student's performance in various assessments is critically analyzed, and corrective actions are planned for the next year.

POs and PSOs are evaluated by direct assessment tools such as In-Semester evaluation, and End- Semester evaluation and Indirect assessment tool like Course Exit Survey.

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

### 2.6.3 - Pass percentage of Students during the year

#### 2.6.3.1 - Total number of final year students who passed the university examination during the year

441

File Description	Documents
Upload list of Programmes and number of students passed and appeared in the final year examination (Data Template)	<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://vcet.edu.in/wp-content/uploads/2023/05/SSS\\_Report-2021-22.pdf](https://vcet.edu.in/wp-content/uploads/2023/05/SSS_Report-2021-22.pdf)

### RESEARCH, INNOVATIONS AND EXTENSION

#### 3.1 - Resource Mobilization for Research

##### 3.1.1 - Grants received from Government and non-governmental agencies for research projects / endowments in the institution during the year (INR in Lakhs)

##### 3.1.1.1 - Total Grants from Government and non-governmental agencies for research projects / endowments in the institution during the year (INR in Lakhs)

13.845

File Description	Documents
Any additional information	No File Uploaded
e-copies of the grant award letters for sponsored research projects /endowments	No File Uploaded
List of endowments / projects with details of grants(Data Template)	<a href="#">View File</a>

### 3.1.2 - Number of departments having Research projects funded by government and non government agencies during the year

#### 3.1.2.1 - Number of departments having Research projects funded by government and non-government agencies during the year

1

File Description	Documents
List of research projects and funding details (Data Template)	<a href="#">View File</a>
Any additional information	No File Uploaded
Supporting document from Funding Agency	No File Uploaded
Paste link to funding agency website	Nil

### 3.1.3 - Number of Seminars/conferences/workshops conducted by the institution during the year

#### 3.1.3.1 - Total number of Seminars/conferences/workshops conducted by the institution during the year

81

File Description	Documents
Report of the event	No File Uploaded
Any additional information	No File Uploaded
List of workshops/seminars during last 5 years (Data Template)	<a href="#">View File</a>

### 3.2 - Research Publications and Awards

#### 3.2.1 - Number of papers published per teacher in the Journals notified on UGC website during the year

##### 3.2.1.1 - Number of research papers in the Journals notified on UGC website during the year

19

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

#### 3.2.2 - Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during the year

##### 3.2.2.1 - Total number of books and chapters in edited volumes/books published and papers in national/ international conference proceedings during the year

36

File Description	Documents
Any additional information	No File Uploaded
List books and chapters edited volumes/ books published (Data Template)	<a href="#">View File</a>

### 3.3 - Extension Activities

3.3.1 - Extension activities are carried out in the neighborhood community, sensitizing students to social issues, for their holistic development, and impact thereof during the year

The Institute aims for holistic development of students. To achieve this various platform are available for students.

To strengthen development towards sensitizing social issues students are actively involved in activities like, Tree Plantation, Vigilance Awareness programme, Rider Safety Training Webinar & Quiz, Electoral Literacy Competitions, Say No to Drugs Activity, Webinar on "Mangrove Forest" for National Youth Day, mega donation camp, Vaccination Drive, Beach Cleaning, Essay competition on International Women's Day, Yoga Day, Fit India Movement, etc. Also, programs like Use of Plastic Survey, Sadak

Suraksha Motorcycle Rally & Street Play, are organized in collaboration with NGOs. Programmes such as Webinar on "Leaving no one behind" on the occasion of World Tribal Day is conducted to recognize the achievements and contributions that indigenous people make to improve world issues such as environmental protection. Various Webinars and expert talks by NGO activists to improve way of thinking by giving exposure to real life problems.

These activities are helpful for the students to become responsible citizens and understand fundamental rights and duties. This also helps students to master their skills to organize the various programs, coordination amongst volunteers, hospitality to the guests, etc.

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

### 3.3.2 - Number of awards and recognitions received for extension activities from government / government recognized bodies during the year

#### 3.3.2.1 - Total number of awards and recognition received for extension activities from Government/ government recognized bodies during the year

2

File Description	Documents
Any additional information	No File Uploaded
Number of awards for extension activities in last 5 year(Data Template)	<a href="#">View File</a>
e-copy of the award letters	No File Uploaded

### 3.3.3 - Number of extension and outreach programs conducted by the institution through NSS/NCC/Red cross/YRC etc., ( including the programmes such as Swachh Bharat, AIDS awareness, Gender issues etc. and/or those organized in collaboration with industry, community and NGOs ) during the year

#### 3.3.3.1 - Number of extension and outreach Programs conducted in collaboration with industry, community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., during the year



23

File Description	Documents
Reports of the event organized	No File Uploaded
Any additional information	No File Uploaded
Number of extension and outreach Programmes conducted with industry, community etc for the last year (Data Template)	<a href="#">View File</a>

### 3.3.4 - Number of students participating in extension activities at 3.3.3. above during the year

#### 3.3.4.1 - Total number of Students participating in extension activities conducted in collaboration with industry, community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., during the year

1789

File Description	Documents
Report of the event	No File Uploaded
Any additional information	No File Uploaded
Number of students participating in extension activities with Govt. or NGO etc (Data Template)	<a href="#">View File</a>

### 3.4 - Collaboration

#### 3.4.1 - The Institution has several collaborations/linkages for Faculty exchange, Student exchange, Internship, Field trip, On-the- job training, research etc during the year

541

File Description	Documents
e-copies of linkage related Document	No File Uploaded
Details of linkages with institutions/industries for internship (Data Template)	<a href="#">View File</a>
Any additional information	No File Uploaded

### 3.4.2 - Number of functional MoUs with national and international institutions, universities, industries, corporate houses etc. during the year

#### 3.4.2.1 - Number of functional MoUs with Institutions of national, international importance, other universities, industries, corporate houses etc. during the year

59

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

## INFRASTRUCTURE AND LEARNING RESOURCES

### 4.1 - Physical Facilities

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

The Institute has 5 acres of land which is two times of the stated AICTE norms for urban areas with a G+5 storied building with 14193 sq.m built up area. It includes 8531 sq.m instructional area, 560 sq.m, administrative area, 1392 sq.m amenities and 3512 sq.m access and circulation area. The Institute has upgraded to modern teaching aids as such all classrooms are equipped with ICT facilities. All laboratories are well furnished and equipped with the latest experimental hardware and software. The Institute has upgraded to 300 Mbps of leased line to cater the internet needs and installing wifi routers are installed on each floor to provide access the internet. Each classroom is provided with multimedia projector and internet access. Each faculty member is provided with a laptop and each department is provided with portable public address system. The Institute possesses a fully air-conditioned auditorium and two seminar halls with ICT facilities. Access to e-books, e-journals, database, adequate reference books on relevant topics and journals is made through the central library which also has a well-furnished spacious reading hall. Photocopy machine is installed in the library.

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

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

The Institute possesses an air-conditioned auditorium of trust and two seminar halls. They are used for conducting seminars, workshops, conferences, cultural events and co-curricular activities. The Institute is equipped with ample sports equipment and facilities for the sports enthusiasts. It is furnished with equipment pertaining to Table Tennis, Carrom, Chess, Cricket, Volleyball, Throw ball, Football, Kabaddi, KhoKho, Badminton and several other indoor/outdoor sports. Though a majority of sports events are conducted within the college campus, the Institute hires 'Chimaji Appa Ground' for smooth conduction of Overarm Cricket and Athletics during the Annual Sports Festival. A spectrum of literary events ranging from Kavi Sammelan to Debate Competitions is also organized. Institute actively celebrates Yoga Day, Teachers Day, Republic Day, Marathi Bhasha Divas, Swachata Pakhwada, Independence Day and several other days with enthusiastic participation from both teachers and students. To broaden the domain of their capabilities, the students are encouraged and provided with the funds to participate in several inter-collegiate events.

Various programs are carried out by the NSS where students get the opportunity to interact with society to understand the challenges and problems these people are facing on a daily basis. Under NSS various programs are organised to facilitate the society.

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

**4.1.3 - Number of classrooms and seminar halls with ICT- enabled facilities such as smart class, LMS, etc.**

24

**4.1.3.1 - Number of classrooms and seminar halls with ICT facilities**

24

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	Nil
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	No File Uploaded

**4.1.4 - Expenditure, excluding salary for infrastructure augmentation during the year (INR in Lakhs)****4.1.4.1 - Expenditure for infrastructure augmentation, excluding salary during the year (INR in lakhs)**

501.33

File Description	Documents
Upload any additional information	No File Uploaded
Upload audited utilization statements	No File Uploaded
Upload Details of budget allocation, excluding salary during the year (Data Template)	<a href="#">View File</a>

**4.2 - Library as a Learning Resource****4.2.1 - Library is automated using Integrated Library Management System (ILMS)**

Central Library is partially automated using Integrated Library Management System (ILMS). ILMS software ERP JUNO Campus Software, through which books can be searched by Author's name, Title, Accession no, Publisher Name etc. Library has 33502 books,

Including book bank books. Various printed journals are also available in the library. Central library has maintained all the

previous year's syllabus since 1994 for Alumni reference purposes. Also previous years question papers are available for reference. Daily popular newspapers in Marathi & English including Employment News and technical journals available for reading and home lending.

There is a separate reference section for weekly/monthly magazines and journals like Competitive Success Review, Economics & Political Weekly, Kurukshetra, Lokrajya, Yojna published by the Government of Maharashtra and few books for preparation of various

competitive exams are also available. The Area of Library is 448.12 sq.m with a spacious reading hall with a capacity of 150 students, in addition to that the library also has a decent collection of Marathi and English novels.

Name of ILMS software: ERP JUNO Campus software

Nature of the automation: Partially

Version: 2021

Year of Automation: March 2013 Started from e-Granthalaya

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

**4.2.2 - The institution has subscription for the following e-resources e-journals e-ShodhSindhu Shodhganga Membership e-books Databases Remote access toe-resources** A. Any 4 or more of the above

File Description	Documents
Upload any additional information	No File Uploaded
Details of subscriptions like e-journals,e-ShodhSindhu, Shodhganga Membership etc (Data Template)	<a href="#">View File</a>

#### 4.2.3 - Expenditure for purchase of books/e-books and subscription to journals/e- journals during the year (INR in Lakhs)

##### 4.2.3.1 - Annual expenditure of purchase of books/e-books and subscription to journals/e-journals during the year (INR in Lakhs)

12.45914

File Description	Documents
Any additional information	No File Uploaded
Audited statements of accounts	No File Uploaded
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 - Number per day usage of library by teachers and students ( foot falls and login data for online access) (Data for the latest completed academic year)

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

98

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

### 4.3 - IT Infrastructure

#### 4.3.1 - Institution frequently updates its IT facilities including Wi-Fi

The Institute has upgraded from Symantec antivirus 12.1 to 14.1. D-link/ switches have been replaced by Ciscos SG-200 and 300 giga switches. Structured cabling is upgraded to CAT6 from previous CAT5 enabling system upgradation from 10/100 to 100/1000 network. Symantec antivirus 14.1 is upgraded to Seqrite

## 7.2 E.P.S Sophos Firewall upgraded from Cyber-roam 100ING to Sophos XG 330.

The upgradation of Computers is taken by replacing old desktops with configurations such as 1 GHZ-3 GHZ core I3 processor. Memory has been upgraded from 1 GB to 4GB/8GB. Two HP servers with 16 GB memory each have been purchased which are scalable up to 128 GB Memory. and one workstation of 128 GB memory. Two more servers of Dell server Tower model, Power Edge T440, Intel Xeon Silver 4210, 2.2 G and HP with Proliant DL 380 Gen 10 with 32 GB RAM have been purchased. Internet bandwidth is upgraded to 300Mbps.

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

### 4.3.2 - Number of Computers

723

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Student – computer ratio	No File Uploaded

### 4.3.3 - Bandwidth of internet connection in the Institution A. ? 50MBPS

File Description	Documents
Upload any additional Information	No File Uploaded
Details of available bandwidth of internet connection in the Institution	No File Uploaded

## 4.4 - Maintenance of Campus Infrastructure

### 4.4.1 - Expenditure incurred on maintenance of infrastructure (physical and academic support facilities) excluding salary component during the year (INR in Lakhs)

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

## 92.38

File Description	Documents
Upload any additional information	No File Uploaded
Audited statements of accounts.	No File Uploaded
Details about assigned budget and expenditure on physical facilities and academic support facilities (Data Templates)	<a href="#">View File</a>

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

**Laboratories:**

Equipment in a laboratory undergoes periodic maintenance. Minor repairs are carried out by the technical staff. Major repairs are outsourced by following the procedure of the Institute. Dead stock, Consumable and Repair Registers are maintained. Calibration of equipment is done regularly. Equipment and systems under warranty period are serviced by seller/distributor/vendor either on campus or sent to a concerned workshop.

**Computers:**

PCs health cards are maintained in all laboratories for keeping record of maintenance of PCs. Software upgradation is done regularly, and all PCs are protected with antivirus.

**Library:** Regular book binding is carried out for worn out books to increase their usage and life.

**Sports Facility:** Sports committee headed by Sports In-charge and faculty takes necessary decisions for maintaining gymkhana on a regular basis.

**Physical and Support facilities and other resources:**

Annual Maintenance Contracts are given for cleaning of classrooms, drawing halls, laboratory, toilet blocks and washrooms. Carpenter, electrician, plumber, etc. are appointed for maintenance related issues. Water tank cleaning and A.C.



servicing is done quarterly. Photocopy, scanning, etc. are serviced on a timely basis. Lift, Fire extinguishers are under Annual maintenance Contract. Maintenance of CCTV is done by the in-house employee.

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

## STUDENT SUPPORT AND PROGRESSION

### 5.1 - Student Support

#### 5.1.1 - Number of students benefited by scholarships and free ships provided by the Government during the year

##### 5.1.1.1 - Number of students benefited by scholarships and free ships provided by the Government during the year

965

File Description	Documents
Upload self attested letter with the list of students sanctioned scholarship	No File Uploaded
Upload any additional information	No File Uploaded
Number of students benefited by scholarships and free ships provided by the Government during the year (Data Template)	<a href="#">View File</a>

#### 5.1.2 - Number of students benefitted by scholarships, free ships etc. provided by the institution / non- government agencies during the year

##### 5.1.2.1 - Total number of students benefited by scholarships, free ships, etc provided by the institution / non- government agencies during the year

1048

File Description	Documents
Upload any additional information	No File Uploaded
Number of students benefited by scholarships and free ships institution / non- government agencies in last 5 years (Date Template)	<a href="#">View File</a>

**5.1.3 - Capacity building and skills enhancement initiatives taken by the institution include the following: Soft skills Language and communication skills Life skills (Yoga, physical fitness, health and hygiene) ICT/computing skills**

**A. All of the above**

File Description	Documents
Link to institutional website	Nil
Any additional information	No File Uploaded
Details of capability building and skills enhancement initiatives (Data Template)	<a href="#">View File</a>

**5.1.4 - Number of students benefitted by guidance for competitive examinations and career counseling offered by the institution during the year**

**2986**

**5.1.4.1 - Number of students benefitted by guidance for competitive examinations and career counseling offered by the institution during the year**

**2986**

File Description	Documents
Any additional information	No File Uploaded
Number of students benefited by guidance for competitive examinations and career counseling during the year (Data Template)	<a href="#">View File</a>

**5.1.5 - The Institution has a transparent mechanism for timely redressal of student**

**A. All of the above**

**grievances including sexual harassment and ragging cases Implementation of guidelines of statutory/regulatory bodies Organization wide awareness and undertakings on policies with zero tolerance Mechanisms for submission of online/offline students' grievances Timely redressal of the grievances through appropriate committees**

File Description	Documents
Minutes of the meetings of student redressal committee, prevention of sexual harassment committee and Anti Ragging committee	No File Uploaded
Upload any additional information	No File Uploaded
Details of student grievances including sexual harassment and ragging cases	No File Uploaded

## 5.2 - Student Progression

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

#### 5.2.1.1 - Number of outgoing students placed during the year

199

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 students progressing to higher education during the year

#### 5.2.2.1 - Number of outgoing student progression to higher education

36

File Description	Documents
Upload supporting data for student/alumni	No File Uploaded
Any additional information	No File Uploaded
Details of student progression to higher education	<a href="#">View File</a>

**5.2.3 - Number of students qualifying in state/national/ international level examinations during the year (eg: JAM/CLAT/GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/State government examinations)**

**5.2.3.1 - Number of students qualifying in state/ national/ international level examinations (eg: JAM/CLAT/NET/ SLET/ GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/ State government examinations) during the year**

61

File Description	Documents
Upload supporting data for the same	<a href="#">View File</a>
Any additional information	No File Uploaded

**5.3 - Student Participation and Activities**

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

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

0

File Description	Documents
e-copies of award letters and certificates	No File Uploaded
Any additional information	No File Uploaded
Number of awards/medals for outstanding performance in sports/cultural activities at university/state/national/international level (During the year) (Data Template)	<a href="#">View File</a>

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

**Student Council:** Students' Council looks out for all the student-oriented activities to promote cultural activities and provide the students with opportunities to develop leadership, social responsibility, citizenship, volunteerism, and employment experience.

**Activity of Sports Committee:** The Institute sports committee is responsible for organizing

sports activities. It also manages and looks after the required sports equipment and upgrades the facility.

**Students Chapter/Technical Committee/NSS/Literati Committee:** Under the mentorship of the faculty advisors, local students chapters such as VMEA, SAE, ISHARE, CSI, IEEE, CESA, IGBC, etc. organize various co-curricular events. The events of NSS are planned and executed by a team of students under the guidance of the faculty coordinator. Literati Committee manages the publishing of Annual Magazine.

**Students Representation on Administrative Bodies:** The representation of the students in the Internal Quality Assurance Committee (IQAC), College Development Committee (CDC),

and Department Advisory Board (DAB) facilitates to enhance the academic as well as administrative growth of the Institution. Students also have a representation in Student Grievance Redressal Committee.

**Other:** Students have active involvement in the activities of ECell, Placement and Training Cell, etc. Every class has a student representative to assist in the coordination of activities.

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

### 5.3.3 - Number of sports and cultural events/competitions in which students of the Institution participated during the year (organized by the institution/other institutions)

#### 5.3.3.1 - Number of sports and cultural events/competitions in which students of the Institution participated during the year

40

File Description	Documents
Report of the event	No File Uploaded
Upload any additional information	No File Uploaded
Number of sports and cultural events/competitions in which students of the Institution participated during the year (organized by the institution/other institutions (Data Template)	<a href="#">View File</a>

## 5.4 - Alumni Engagement

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

The VCET alumni association is registered with The Assistant Registrar of Societies, Thane Region. The registration number is MAH/2133/2018/THANE.

The students register themselves as a member of VCET Alumni Association during the end of their final semester. Distinguished alumni are invited as guest lecturers for seminars, workshops, etc. to share their experience about the latest trend in industry. It helps the current students to get acquainted with recent technologies through the expertise of the Alumni. They are also invited to serve as major project co-guide and external project examiners for University examination.

An alumni meet is organized every year. Alumni are contacted

through various social media like Facebook, WhatsApp, etc. and also invited through personal emails. The date of the alumni meet is floated on the Institute website. The alumni are appealed to register online for the same. The meet comprises a welcome program, Interaction, entertainment programs like singing, dancing followed by dinner. Feedback is also taken during this occasion. There is an interactive session between faculty and alumni wherein their views and suggestions are noted for betterment of the Institute. This interaction improves industry contacts for placement, project and internship.

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

#### 5.4.2 - Alumni contribution during the year E. <1Lakhs (INR in Lakhs)

File Description	Documents
Upload any additional information	No File Uploaded

## GOVERNANCE, LEADERSHIP AND MANAGEMENT

### 6.1 - Institutional Vision and Leadership

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

#### Nature of Governance and Leadership:

The Governing Council of Vidyavardhini's, is responsible for policy decision related to infrastructure, financial management, human resource planning and recruitment. The budgeting decision is recommended by College Development Committee, and eventually

approved by Governing Council. The Institute has constituted Internal Quality Assurance Cell (IQAC) for planning & execution of development activities & promotion of quality culture.

#### Perspective plans:

Perspective plans focused on the fulfillment of Vision & Mission of the Institute and based on the SWOC analysis. The key elements includes:

- Enhancing capacity building of students through student-centric extra and co-curricular activities
- Strengthening Industry Institute Interaction
- Strengthening research activities
- Nurturing experiential and project-based learning

Participation of the teachers in decision-making bodies:

The Institute has always ensured participation of teachers in decision-making processes in various capacities.

- The Institute has two staff nominees in the Governing Council.
- Three teachers and a non-teaching staff have been elected in College Development Committee (Local Managing Committee) apart from the HOD nominee.
- The IQAC has three members and a coordinator from teaching faculty.

Leadership is reflected in good transparent governance, establishing and practicing faculty development policies, welfare policies for faculty and staff, implementation of statutory body guidelines in academics/admissions, state-of-art infrastructure.

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

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

The Institute has various committees at Institute and department level that include staff members which effectively manage the academic, administrative, co-curricular and extracurricular activities, and address the issues pertaining to the scope of their committee.



The Principal is given authority to take financial decisions to a great extent for the prompt execution of the several academic and non-academic decisions. Provision of petty cash is available to the Head of the Departments for day-to-day/emergency expenditure.

Faculty are actively involved in Institute's decision-making process. After the deliberate discussions done on the concerned issues/matters, the final opinions are conveyed to the Principal and subsequently to the management through the Principal. The management gives due weightage to the viewpoint of the faculty while taking the decisions regarding the college development.

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

## 6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ perspective plan is effectively deployed

Institute's Strategic / Perspective plan set in motion is as follows

1. **Academics:** Academic planning and execution is carried out thoroughly aided by institute ERP. Faculties are being encouraged to implement new pedagogical techniques and include them in their teaching - learning. The use of ICT tools in teaching - learning is highly encouraged and the necessary infrastructure has been put in place and are being regularly updated.
2. **Infrastructure:** Regular updating of the infrastructure is carried out. IT infrastructure are regularly replaced / upgraded as per set policy.
3. **Student Development:** Number of initiatives has been taken for student development. Many technical activities are carried out throughout the year, including the annual project showcase and VCET Hackathon, among other events. The college also puts emphasis on the development of the non-technical aspects of the students. Accordingly, annual events line the cultural festival 'Zeal' is organised every year. The college also has the NSS committee of the students who carryout multiple activities throughout the year thus inculcating the social values.

4. **Placements:** Numerous training and placement related activities are carried out throughout the year, which has resulted in good placements for the students.
5. **Industry Institute Interaction Cell:** The institute has an active Industry Institute Interaction Cell for bridging the gap between the industry and academia.
6. **Faculty Development:** Various faculty development initiatives has been put in place by the institute. These initiatives include for higher education, and research, among others.

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

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

The Institute has a well-established organizational structure to execute smooth functioning of administrative and academic processes. The Governing Council is the highest decision-making body, constituting members of the Management, Principal and nominated faculty members. The Principal receives inputs from College Development Committee and Internal Quality Assessment Cell. The administrative set-up includes Principal and various planes for the smooth functioning of the Institute, which are enlisted below:

Plane

Composition

Responsibility

Academic

Dean academics, Department Committee in-charge, Department Activity in-charge, Student chapter in-charge, Proctor and Supporting staff reporting to the Head of the Department

Execution and monitoring teaching-learning process

## Administration

Statutory committees (OBC, ICC, ARC, SC/ST, MC, GRC, WDC),  
Registrar

Administration and exam

## Activity

Dean students affairs and in-charges of students chapters.

Co-curricular and Extra-curricular

Research and Development

Dean RnD, IPR Cell and Swayam-NPTEL Committee

Research and Development activities

Placement/Development

TAP and E-Cell

Training and Placement activities

Alumni

Alumni Association

Alumni meet, Alumni engagement activities

IT Infrastructure

Dean IT Infrastructure

Upgradation, Procurement, allocation and utilization of IT  
infrastructure

The Institute is affiliated to University of Mumbai, recognized by DTE Government of Maharashtra and approved by AICTE. The Institute follows service rules, procedures, recruitment and promotional policies designed and recognized by statutory bodies.

File Description	Documents
Paste link for additional information	Nil
Link to Organogram of the Institution webpage	Nil
Upload any additional information	No File Uploaded

**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) Document	<a href="#">View File</a>
Screen shots of user interfaces	<a href="#">View File</a>
Any additional information	No File Uploaded
Details of implementation of e-governance in areas of operation, Administration etc (Data Template)	<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

**Welfare measures for teaching and non-teaching staff are:**

1. Every employee is offered Gratuity as per the Government norms upon their retirement/leaving the job.
2. Employees' Provident Fund is deposited timely along with the contribution from Institute.
3. Group Insurance facility is provided for the non-teaching staff.
4. 180 days maternity leave is provided to women employee after completing probation.
5. Study leave for MTech/PhD: Faculty members are encouraged to pursue higher studies by providing them study leave and

financial assistance.

6. Teaching and Non-teaching faculties are offered financial support and On Duty leave for attending knowledge upgradation programmes like Conferences, Seminars, Workshops, STTPs, Industrial visits, etc.

7. The Institute encourages the organization of Conferences/Seminars/Workshops/ STTPs etc. by giving adequate financial backing.

8. Special Medical Leave is offered to Teaching and Non-teaching faculties suffering from critical illness.

9. Counselling facility is made available to the teaching and non-teaching staff in the Institute, to cope-up with their emotional/stress issues.

10. Doctor is available as and when required on a phone call for all staff members and students. A bed has been reserved in a reputed hospital to address emergency medical need.

11. Uniforms and washing allowance are provided to all class IV employees.

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

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

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

43

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 programs organized by the institution for teaching and non-teaching staff during the year

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

8

File Description	Documents
Reports of the Human Resource Development Centres (UGCASC or other relevant centres).	No File Uploaded
Reports of Academic Staff College or similar centers	No File Uploaded
Upload any additional information	No File Uploaded
Details of professional development / administrative training Programmes organized by the University for teaching and non teaching staff (Data Template)	<a href="#">View File</a>

### 6.3.4 - Number of teachers undergoing online/face-to-face Faculty development Programmes (FDP) during the year (Professional Development Programmes, Orientation / Induction Programmes, Refresher Course, Short Term Course etc.)

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

206

File Description	Documents
IQAC report summary	No File Uploaded
Reports of the Human Resource Development Centres (UGCASC or other relevant centers)	No File Uploaded
Upload any additional information	No File Uploaded
Details of teachers attending professional development programmes during the year (Data Template)	<a href="#">View File</a>

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

To ensure an effective performance appraisal, the Institute demands the teaching and non-teaching staff to fill up an appraisal form at the end of every academic year. The key parameters of the same are listed below:

The parameter for performance appraisal of teaching staff:

- Result analysis and student's feedback for the subject taught
- Step taken to enhance teaching -learning process Conferences / Courses / Training programmes / Seminars/ Workshops attended
- Courses / Training programmes / Seminars/ Workshops conducted
- Publications: National/International Journals/Conferences, Book/Book Chapters in Monograph
- Industry/ Research projects undertaken
- Academic upgradation through higher studies
- Contribution in the departmental and college activities
- Participation in co-curricular/extracurricular activities
- Any other information that the faculty would like to furnish as a part of appraisal

The parameters for performance appraisal of non- teaching staff:

- Proficiency in work
- General intelligence, industry and keenness to learn  
Engagement in any other work than routine Amenability to discipline
- Punctuality in attendance
- Relation with General public, Collogues and Students
- Integrity

The duly filled forms are assessed by the Head of the Department or Registrar (in case of administrative staff). The forms are eventually forwarded to the Principal to decide upon the further course of action.

File Description	Documents
Paste link for additional information	Nil
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 Enumerate the various internal and external financial audits carried out during the year with the mechanism for settling audit objections within a maximum of 200 words

Vidyavardhini Trust has maintained a very transparent financial mechanism for all its institutions and has formulated a Finance Manual in June 2005.

The Trust has an effective mechanism of internal and external audit. These audits verify and certify all nature of income and expenditures along with all capital expenditure and deposits of the Institute in each financial year.

Internal audit is a continuous process. A qualified Internal auditor from an external agency have been permanently appointed by the society who regularly examines all the records maintained by the accounts department.

An external auditor appointed by the society to execute the statutory audit. This audit is conducted in two phases, one in the month of December/January and second in the month of



May/June every year. Finalization of accounts is completed in June/July and audited statement is prepared and duly signed by Principal/Secretary and Chartered Accountant. The Chartered Accountant submits the Audit Report after completing the audit of all the Institutes and Trust.

The minor audit suggestions (if any) pointed by auditor are duly complied. These audited statements are then presented for approval in College Development Committee followed by Governing Council.

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

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

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

1.525

File Description	Documents
Annual statements of accounts	No File Uploaded
Any additional information	No File Uploaded
Details of Funds / Grants received from of the non-government bodies, individuals, Philanthropers during the year (Data Template)	<a href="#">View File</a>

#### 6.4.3 - Institutional strategies for mobilization of funds and the optimal utilization of resources

Vidyavardhini's College of Engineering and Technology is a self-financed institution, where the funds are generated through the fees paid by the students. The fee is approved by the Fee Regulating Authority constituted by Government of Maharashtra. The Governing Council of the Institute in assistance with the Principal, constantly monitors the effective mobilization of

funds and the optimal utilization of resources to progress in achieving the Vision and Mission of the Institute.

The Vidyavardhini Trust has formulated a Finance Manual which elaborates the processes of all the financial transactions. All the Head of the Departments and all Functional Heads submit their budget requirements to the Principal along with a justification. Accordingly, the Accounts department summarizes the requirements and the Institute Budget is prepared before the commencement of every financial year.

The Budget is consolidated by the Principal, Head of the Departments, Registrar and Accountant after giving due weightage to the Institute's strategic plan. The Budget is then presented before the College Development Committee and Governing Council which approves the Budget with the necessary amendments.

In case of change in the norms by the Regulatory authorities, the allotted funds are amended to comply the revised conditions, with the permission of the Chairman/President.

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

## 6.5 - Internal Quality Assurance System

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

**IQAC has been a central agency in the institution for assimilation of data, planning & execution of several development activities & promotion of quality culture institution wide.**

The key contributions by the IQAC for Institutionalizing the quality assurance strategies and process are:

- Experts from reputed Institutes were invited to guide the faculty on various aspects of Outcome Based Education and NBA, NAAC Accreditation, implementation of examination

reforms, etc.

- Academic audits of all the Departments were conducted by experienced educators from reputed Institutes.
- Internship were given by various centre of excellence.
- Revision of Academic Audit form was carried out to have a critical review of the academic processes and improve upon them.
- Practise of one faculty- one industry was initiated to strengthen Industry-Institute interaction
- Revision of Performance appraisal form was carried out to evaluate the contribution/achievement of faculty in various areas
- Revision of feedback form from all stake holders was done to ease the feedback process and ensure effective feedback process
- Rubrics for various assessment tools were devised

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

6.5.2 - The institution reviews its teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals through IQAC set up as per norms and recorded the incremental improvement in various activities

The Institute takes efforts to bring about continual improvement in all the processes in academic and administrative front. Some of the enhancement initiatives are summarized as follows:

**Academic:**

**Faculty Qualification Enhancement:** 1 faculty of the Institute successfully completed PhD and 2 secured admissions for PhD

**Faculty training:** regarding implementation of examination reforms was initiated

**Teaching-Learning:** Various innovative pedagogical initiatives were undertaken by faculty

**Experiential Learning:** The Institute hosted 'Vidyavardhini's National Project Showcase'.

**Professional Activities:** Initiated and provided financial support for product design /development activities and participation in competitions.

**Industry Institute Interaction:** The Institute has 59 MoU with prestigious companies.

**Alumni Engagement and Interaction:** Guidance sessions by alumni and alumni meets was organized.

**Students mentoring:** Mentoring session on life skills by professional counsellor

**Administrative:**

**IT Infrastructure:** Purchase of 175 PCs with Core i5 processor and 25 PCs with Core i5 processor with graphic card

**Infrastructure enhancement:** Renovation of class rooms was undertaken.

**Green Initiative:** The Energy and Green audit are also done.

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

**6.5.3 - Quality assurance initiatives of the institution include: Regular meeting of Internal Quality Assurance Cell (IQAC); Feedback collected, analyzed and used for improvements Collaborative quality initiatives with other institution(s) Participation in NIRF any other quality audit recognized by state, national or international agencies (ISO Certification, NBA)**

**B. Any 3 of the above**

File Description	Documents
Paste web link of Annual reports of Institution	Nil
Upload e-copies of the accreditations and certifications	No File Uploaded
Upload any additional information	No File Uploaded
Upload details of Quality assurance initiatives of the institution (Data Template)	<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

The measures taken to promote gender equity and create a safe and inclusive environment for all students encompassed various events and activities such as:

On 24th January 2022, in celebration of National Girl Child Day, an event was organized to promote a feeling of pride among parents of girl children. Girls from the college were invited to click and upload pictures with their parents, showcasing the importance and value of raising a girl child.

An elocution competition called "Raise Your Voice" was conducted on 27th January 2022, where participants shared their political thoughts and concerns. This event aimed to encourage girls to express their opinions and have their voices heard. A total of 80 students participated in this competition.

On 8th March 2022, in observance of International Women's Day, an essay writing competition was organized. The competition provided a platform for students to express their thoughts and perspectives on gender equality. Thirty students participated and contributed to the meaningful discussions.

These initiatives aimed to empower girls, raise awareness on gender issues, and foster a sense of social responsibility.

File Description	Documents
Annual gender sensitization action plan	Nil
Specific facilities provided for women in terms of: a. Safety and security b. Counseling c. Common Rooms d. Day care center for young children e. Any other relevant information	<a href="https://docs.google.com/document/d/1PzMcl_dhiwD9sJ9gThvsBwhLCBFcNmoa/edit?usp=sharing&amp;oid=100237075317348815462&amp;rtpof=true&amp;sd=true">https://docs.google.com/document/d/1PzMcl_dhiwD9sJ9gThvsBwhLCBFcNmoa/edit?usp=sharing&amp;oid=100237075317348815462&amp;rtpof=true&amp;sd=true</a>

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

**B. Any 3 of the above**

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

7.1.3 - Describe the facilities in the Institution for the management of the following types of degradable and non-degradable waste (within 200 words) Solid waste management Liquid waste management Biomedical waste management E-waste management Waste recycling system Hazardous chemicals and radioactive waste management

**Solid waste management:**

The Institute strongly promotes the principles of 3 R's i.e. Reduce, Reuse and Recycle and takes possible initiatives to inculcate the same among students and staff to minimize waste generation. Being an educational Institute, hazardous waste or e-waste is not significantly generated. Adequate measures are in place to manage the solid waste. Biodegradable wastes from the college canteen, dead leaves from the trees and other solid waste are managed thoughtfully. The green waste is collected in the pit and processed for composting. The manure is used for the plants in the gardens. Paper waste are sold to licensed purchasers.

**Liquid waste management:**

Being a Technical Institute, hazardous waste from chemicals and acids are minimal in the Chemistry laboratory. However, utmost

care is ensured to dilute the concentrated solutions before their disposal.

Appropriate measures are taken to dispose of toxic wastes.

**E-waste management:**

E-waste such as computers, printers, CPUs, electrical and electronic assemblies collected from various departments are sorted and are either disposed in safe manner through the authorized vendor or exchanged during the new purchase. Almost all equipment is used to its fullest, by permitting usage of its parts in other suitable equipment or in student's projects.

<https://drive.google.com/file/d/1PZMQbwU8>

[7CAFBTFotdQOiiLEKKbYD6nC/view?usp=sharing](https://drive.google.com/file/d/1L0WIhRaBzyqBSeNHewuQ4tL-VNcZkZo/view?usp=sharing)

File Description	Documents
Relevant documents like agreements/MoUs with Government and other approved agencies	No File Uploaded
Geo tagged photographs of the facilities	<a href="https://drive.google.com/file/d/1L0WIhRaBzyqBSeNHewuQ4tL-VNcZkZo/view?usp=sharing">https://drive.google.com/file/d/1L0WIhRaBzyqBSeNHewuQ4tL-VNcZkZo/view?usp=sharing</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**

**C. Any 2 of the above**

File Description	Documents
Geo tagged 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:**

**B. Any 3 of the above**

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

File Description	Documents
Geo tagged photos / videos of the facilities	<a href="#">View File</a>
Any other relevant documents	<a href="#">View File</a>

**7.1.6 - Quality audits on environment and energy are regularly undertaken by the institution**

**7.1.6.1 - The institutional environment and energy initiatives are confirmed through the following**  
**1. Green audit 2. Energy audit 3. Environment audit 4. Clean and green campus recognitions/awards 5. Beyond the campus environmental promotional activities**

**B. Any 3 of the above**

File Description	Documents
Reports on environment and energy audits submitted by the auditing agency	<a href="#">View File</a>
Certification by the auditing agency	<a href="#">View File</a>
Certificates of the awards received	<b>No File Uploaded</b>
Any other relevant information	<b>No File Uploaded</b>

**7.1.7 - The Institution has disabled-friendly, barrier free environment Built environment with ramps/lifts for easy access to classrooms. Disabled-friendly washrooms Signage including tactile path, lights, display boards and signposts Assistive technology and facilities for persons with**

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



disabilities (Divyangjan) accessible website, screen-reading software, mechanized equipment 5. Provision for enquiry and information : Human assistance, reader, scribe, soft copies of reading material, screen reading

File Description	Documents
Geo tagged photographs / videos of the facilities	<a href="#">View File</a>
Policy documents and information brochures on the support to be provided	No File Uploaded
Details of the Software procured for providing the 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 socioeconomic and other diversities (within 200 words).

In order to provide an inclusive environment i.e., tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic and other diversities following programmes were conducted at the Institute:

- Tree Plantation
- The annual cultural festival ZEAL was celebrated with the theme MERAKI- THE ART OF IMPERFECTIONS.
- "Kalasparsh" -drawings, rangolis, and Ganpati decoration competition
- Teachers' Day
- Independence and Republic Day
- Freshers' Party
- Gandhi Jayanti
- Fit India Movement
- Vaccination Drive
- Vigilance Awareness campaign
- A Beach Cleaning campaign
- The Surveillance of Plastic Use
- Rider Safety Training
- National Youth Day
- Raise Your Voice, an elocution competition
- Shivaji Jayanti

- International Women's Day
- Sadak Suraksha Motorcycle Rally
- Mega Donation Camp
- Marathi Bhasha Diwas
- International Mother Language Day
- Kavi Sammelan
- Literature Fest
- Faceoff 9.0- The Interdepartmental Debate Competition.

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>
Any other relevant information	No File Uploaded

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

Every year VCET institute organizes activities to generate Human Values & Ethics for staff and students. The curriculum of University of Mumbai includes the courses like Business Communication & Ethics (TE, Electronics & Telecommunication Engineering, Information Technology, Computer Engineering), Cryptography & System Security (BE, Computer Engineering) and Digital Forensics (BE, Computer Engineering, Information Technology, AI&DS, CSE&DS) which makes the students aware of the Professional Ethics. Co-Curricular/Extra-Curricular activities are organized to promote these values. Student needs are catered through Minority cell, OBC cell, SC/ST cell etc. Fostering entrepreneurship skills and channelize the competencies amongst students is done through Entrepreneurship cell. Plagiarism check of project reports is done using TurnItIn software.

Some of the organized events are as follows:

- Tree Plantation
- Vigilance Awareness
- Beach Cleaning
- Surveillance of Plastic Use
- Rider Safety Training
- Induction Program:

- During the Induction Program and other activities throughout the year, students are introduced to values, rights, duties, and responsibilities as citizens of India. They are made aware of the code of ethics, human values, and their role in upholding the constitutional principles.
- Gandhi Jayanti
- Fit India Movement
- Vaccination Drive

File Description	Documents
Details of activities that inculcate values; necessary to render students in to 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 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 Code of Conduct are organized.**

**A. All of the above**

File Description	Documents
Code of ethics policy document	<a href="#">View File</a>
Details of the monitoring committee composition and minutes of the committee meeting, number of programmes organized, reports on the various programs 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

Institution celebrates / organizes national and international commemorative days, events and festivals. The list of events is as follows:

**Commemorative Days and Events:**

- Tree Plantation
- Kalasparsh
- Vaccination Drive
- Gandhi Jayanti
- National Youth Day
- National Girl Child Day
- Chhatrapati Shivaji Maharaj Jayanti
- Independence and Republic Day
- International Women's Day

**Festivals and Special Events:**

- Vigilance Awareness
- Beach Cleaning
- Surveillance of Plastic Use
- Rider Safety Training
- Induction Program:
- Fit India Movement
- Sadak Suraksha Motorcycle Rally
- Mega Donation Camp

<https://docs.google.com/spreadsheets/d/1IC2l9GrOUEt5IwAPAwYI3XnUZ3Ww86G1/edit?usp=sharing&ouid=117923361549712447649&rtpof=true&sd=true>

File Description	Documents
Annual report of the celebrations and commemorative events for the last (During the year)	<a href="#">View File</a>
Geo tagged photographs of some of the events	No File Uploaded
Any other relevant information	No File Uploaded

## 7.2 - Best Practices

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

### Best Practice I

Imbibing professionalism through Industrial exposure in students(technical)

Metamorphosis from budding engineer to a career professional is possible only when we embed industrial exposure to their journey. University syllabi are devised to keep balance with latest technology and basic concepts of the subjects but by the time students graduates, the technology learnt in the curriculum is outdated. This motivates us to be associated with industry. A student may have good technical knowledge but would lack in communication skills / teamwork culture /professional ethics. Hence efforts are needed to enhance both these skill sets. Institute provides opportunities in terms of Guest lectures/ Talks Sessions /Seminars & workshops /Alumni talks /Tech talks /Summer Internship Programs and industrial visits.

### Best Practice II

Soft skill enhancement

Institute has various committees who organize following activities:

- Induction program: physical fitness & universal human values.
- Literati Club: Kavi Sammelan, International Mother Language Day, Marathi Bhasha Diwas, LitFest'22: Spelling Bee, Unscripted - The Extempore Competition, Love Letter Writing, Look into the Book, Choose your Anime, Literature Quiz, Writing Prompt, Dialogue Writing, Faceoff 9.0: Inter-departmental Debate Competition.
- NSS: Societal need & awareness activities
- Sports Committee: Overarm Cricket, Football, Basketball, Volleyball, and Badminton
- Students' Council: Teacher's Day, FE Orientation, Zeal, Farewell.

File Description	Documents
Best practices in the Institutional web site	<a href="#">View File</a>
Any other relevant information	No File Uploaded

### 7.3 - Institutional Distinctiveness

7.3.1 - Portray the performance of the Institution in one area distinctive to its priority and thrust within 200 words

#### Student Centric Activities:

- Skill enhancement and leadership qualities: Skill and leadership qualities are imbibed in the students through various activities are conducted for students and activities of student bodies and chapters like level Project show-case, Hackathon, Product show-case.
- Research & Industry readiness: Students are motivated to under-take research-oriented projects. Various activities conducted to give industry exposure.
- Social/Moral and Ethical values: VCET has its own team of NSS, UDAAN, which conducts various community service activities and programs.
- Employability/Entrepreneurship: The Institute has a Placement and Training Cell which facilitates support students on all aspects of career planning. The entrepreneurship cell of the Institute 'E-Cell' fosters entrepreneurship by conducting various activities.

**Faculty Centric Activities:**

- **Enhanced Teaching Learning:** Faculty members are encouraged and equipped with resources and modern tools. Some of the tools used by the faculty include:
  - NPTEL/Youtube Videos
  - Course web pages
  - E-books
  - Digital library
  - Google classroom
  - Flipped Classroom
- **Research and consultancy:** Faculty are motivated to carry out research activities, consultancy work. Funds are provided to attend STTPs, conferences.
- **Professional development:** Schemes such as research promotion, IPR support, reimbursement of fee, support for higher education, training programs.

## Part B

### CURRICULAR ASPECTS

#### 1.1 - Curricular Planning and Implementation

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

Institute is affiliated to University of Mumbai and approved by AICTE. Before commencement of every semester, Principal conducts a meeting with Head of Departments(HODs) and all other functional heads to finalize academic calendar. It is prepared in-line with the guidelines provided by University of Mumbai. It includes all major co-curricular and extra-curricular activities. Academic Calendar is displayed on notice boards and College Website. Time table is proposed and approved by Principal. HOD allocates workload to faculty based on their expertise and subject preferences. Faculty members prepare lesson plan and course file which includes syllabus, notes and University question papers. Course booklet is maintained by faculty member which includes weekly report, Course Outcomes, Course Outcome-Program Outcome mapping, etc. Project progress is monitored and evaluated by project guides along with panel at various stages and is recorded Project handbook. Effective curriculum delivery is ensured by modern teaching-learning tools, tutorials, case studies, quizzes, assignments, internal assessment, mini projects, industrial visits, internships, etc. Continuous assessment of each student is done throughout the semester. Student attendance is monitored monthly and defaulter list is displayed and parents are intimated through letter about the same by respective proctors. Course feedback is taken from students twice a semester.

File Description	Documents
Upload relevant supporting document	No File Uploaded
Link for Additional information	Nil

1.1.2 - The institution adheres to the academic calendar including for the conduct of Continuous Internal Evaluation (CIE)

The academic calendar of the Institute is prepared semester-wise in line with that of the University of Mumbai. It is



approved by Dean-Academics and Principal. The tentative academic calendar is disseminated to the students and faculty well in advance before the commencement of the academic term by publishing it on the Institute website. All the activities like term start, end dates, conduction of internal assessment, display of results, display of defaulter list followed by mentoring of defaulter students, Co-curricular and extra-curricular activities, public holidays, commencements of theory/practical/viva exams etc. are all executed as per the timeline specified in the academic calendar. Moreover, all the events/activities are conducted adhering to the timeline specified in the academic calendar. Additionally, a departmental activity calendar is published which includes activities like department meetings, proctor meetings, project meetings, placement activities, industrial visits, events related to students' activities, etc. are strictly adhered to the schedule. Any change in schedule is permitted after due deliberation in HOD meeting with Principal. Various assessment tools like Internal Assessments, Quizzes, Assignments, Tutorials, Experiments, Seminar, Course Project, Case Study, Course Exit Survey, etc., are used as a part of In-Semester evaluation as per the requirement of the course.

File Description	Documents
Upload relevant supporting documents	<a href="#">View File</a>
Link for Additional information	Nil

**1.1.3 - Teachers of the Institution participate in following activities related to curriculum development and assessment of the affiliating University and/are represented on the following academic bodies during the year. Academic council/BoS of Affiliating University Setting of question papers for UG/PG programs Design and Development of Curriculum for Add on/ certificate/ Diploma Courses Assessment /evaluation process of the affiliating University**

**A. All of the above**

File Description	Documents
Details of participation of teachers in various bodies/activities provided as a response to the metric	<a href="#">View File</a>
Any additional information	No File Uploaded

## 1.2 - Academic Flexibility

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

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

8

File Description	Documents
Any additional information	No File Uploaded
Minutes of relevant Academic Council/ BOS meetings	No File Uploaded
Institutional data in prescribed format (Data Template)	<a href="#">View File</a>

### 1.2.2 - Number of Add on /Certificate programs offered during the year

#### 1.2.2.1 - How many Add on /Certificate programs are added during the year. Data requirement for year: (As per Data Template)

10

File Description	Documents
Any additional information	No File Uploaded
Brochure or any other document relating to Add on /Certificate programs	No File Uploaded
List of Add on /Certificate programs (Data Template )	<a href="#">View File</a>

### 1.2.3 - Number of students enrolled in Certificate/ Add-on programs as against the total number of students during the year

486

#### 1.2.3.1 - Number of students enrolled in subject related Certificate or Add-on

**programs during the year**

486

File Description	Documents
Any additional information	No File Uploaded
Details of the students enrolled in Subjects related to certificate/Add-on programs	<a href="#">View File</a>

**1.3 - Curriculum Enrichment**

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

Institute takes efforts to addresses issues of Professional Ethics, Gender, Human Values, Environment and Sustainability awareness among staff and students through Curriculum, CoCurricular and Extra-Curricular activities.

Table 1.3.1 Courses relevant to Gender, Environment and Sustainability, Human Values and Professional Ethics

Sr. No.

Issues

Student Level and Program Name

Courses

1

Gender &amp; Human Values

F.E. (Applied Science and Humanities)

Professional Communication and Ethics

T.E. (All Branches)

Project Management

2

Environment &amp; Sustainability

B.E. (All Branches)

Environmental Management

Energy Audit and Management

Disaster Management and Mitigation Measure

B.E. (Mechanical Engineering)

Renewable Energy Systems

B.E. (Civil)

Solid Waste Management

Industrial Waste Treatment

3

Professional Ethics

T.E. (All Branches)

Business Communication and Ethics

T.E. (Computer Engineering)

Cryptography And System Security

T.E. (IT)

Cryptography & Network

Security

B.E. (All Branches)

Professional Ethics and Corporate Social Responsibility

Cyber Security and Laws

B.E. (IT)

**Digital Forensics****B.E.(Computer Engineering)****Advance System Security & Digital Forensics****B.E. (Civil)****Entrepreneurship Development and Management**

File Description	Documents
Any additional information	<b>No File Uploaded</b>
Upload the list and description of courses which address the Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum	<a href="#">View File</a>

**1.3.2 - Number of courses that include experiential learning through project work/field work/internship during the year****63**

File Description	Documents
Any additional information	<b>No File Uploaded</b>
Programme / Curriculum/ Syllabus of the courses	<b>No File Uploaded</b>
Minutes of the Boards of Studies/ Academic Council meetings with approvals for these courses	<b>No File Uploaded</b>
MoU's with relevant organizations for these courses, if any	<b>No File Uploaded</b>
Number of courses that include experiential learning through project work/field work/internship (Data Template)	<a href="#">View File</a>

1.3.3 - Number of students undertaking project work/field work/ internships	
561	
File Description	Documents
Any additional information	No File Uploaded
List of programmes and number of students undertaking project work/field work/ /internships (Data Template)	<a href="#">View File</a>
1.4 - Feedback System	
<b>1.4.1 - Institution obtains feedback on the syllabus and its transaction at the institution from the following stakeholders Students Teachers Employers Alumni</b>	<b>A. All of the above</b>
File Description	Documents
URL for stakeholder feedback report	No File Uploaded
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management (Upload)	No File Uploaded
Any additional information(Upload)	No File Uploaded
<b>1.4.2 - Feedback process of the Institution may be classified as follows</b>	<b>B. Feedback collected, analyzed and action has been taken</b>
File Description	Documents
Upload any additional information	<a href="#">View File</a>
URL for feedback report	Nil
TEACHING-LEARNING AND EVALUATION	

<b>2.1 - Student Enrollment and Profile</b>	
<b>2.1.1 - Enrolment Number Number of students admitted during the year</b>	
<b>2.1.1.1 - Number of sanctioned seats during the year</b>	
443	
File Description	Documents
Any additional information	No File Uploaded
Institutional data in prescribed format	<a href="#">View File</a>
<b>2.1.2 - Number of seats filled against seats reserved for various categories (SC, ST, OBC, Divyangjan, etc. as per applicable reservation policy during the year (exclusive of supernumerary seats)</b>	
<b>2.1.2.1 - Number of actual students admitted from the reserved categories during the year</b>	
84	
File Description	Documents
Any additional information	No File Uploaded
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 the learning levels of the students and organizes special Programmes for advanced learners and slow learners	
Slow, average, and advanced learners are identified on basis of their previous semester results as follows:	
Sr. No.	
Criteria	
(Based on result of previous semester)	
Category	

1.

Backlog and/or CGPA < 5

Slow Learner

2.

5 < CGPA < 8

Average Learner

3.

CGPA > 8

Advanced Learner

Slow learners:

Remedial/extra lectures are organized along with individual interaction. Question Bank is provided along with exam-oriented guidance. Personal counselling provided by mentors/course teacher, to improve their confidence. Their performance has been observed and guidance will be provided till the student clears backlogs and improved CGPA. Students are encouraged to participate in curriculum/extra curriculum activities.

Average learners:

The objective is to improve student's CGPA and academic performance. Students are encouraged participate in curriculum/extra curriculum activities and enroll for online courses. This is a continuous process which improves the learner's overall performance.

Advanced learners:



Advanced learners are encouraged to participate in technical competitions, technical paper presentations, workshops, entrepreneurship development programs, competitive exams, research activities etc. The students are groomed with professional guidance to imbibe employability skills. Best Outgoing Student award is presented to one of the Final year student who excels academics and co-curricular/extra-curricular activities. Nominations are invited from each department.

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

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

Number of Students	Number of Teachers
1796	98

File Description	Documents
Any additional information	No File Uploaded

### 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

At VCET, we believe in Student Centric teaching-learning process. Various methodologies adapted for this include:

#### Experiential Learning:

Students are asked to survey for minor and major projects as per curriculum. Project selection includes the originality of an idea, the social impact, the papers referred from reputed journals or conferences. Students are encouraged to implement Industrial/Societal projects. One of the best practices initiated by Institute is "Product Showcase". It is a platform for students to showcase their projects in front of delegates from various industry/organizations. Students demonstrate their project/product to the peers and visitors

as well.

#### Participative Learning:

The Institute has various student chapters of national and international professional societies viz., IEEE, ISA, CSI, IETE, VMEA, ISHRAE, CESA. This conducts various technical events, symposiums workshops, seminars, industry expert talks, interaction with alumni on emerging area etc.

#### Collaborative Learning:

Institute encourages students to form selfmotivated peer groups such as Team Ethan, Team Solecthon, Quad Bike. Every year students engage in design and development activities and apply their technical knowledge to create practical models. Infrastructural, financial and mentoring assistance is provided to the students to pursue these activities.

File Description	Documents
Upload any additional information	No File Uploaded
Link for additional information	Nil

2.3.2 - Teachers use ICT enabled tools for effective teaching-learning process. Write description in maximum of 200 words

The Institute has an ERP system for ICT based teaching-learning process. Apart from this, the faculty members use various platforms and tools for implementation of ICT based teaching-learning process.

Students can access course materials, lecture recordings, attempt quizzes/ tests/ surveys and submit assignments/ tutorials for assessment through

online/ cloud based academic management systems. Many faculty members employ the flipped classroom concept thus promoting selflearning. The Institute promotes the use of e-resources/e-books which besides augmenting subject knowledge offers the advantage of being eco-friendly as well. The central library of the institute also has the facility to access various e-

resources like e-books and e-journals. Students are encouraged to use the digital library for additional technical content.

In order to achieve Outcome-Based Education (OBE), faculty members and students take up MOOCs, NPTEL and Coursera certification courses. Scholarship for successful completion of NPTEL courses is also availed by many of our students.

The Institute has always motivated to use ICT by providing a favourable environment and infrastructure. ICT enabled Seminar room with recording facility, class-rooms with smart board and projector, internet connectivity and laptops has helped faculty members to create e-content and provided to students.

File Description	Documents
Upload any additional information	No File Uploaded
Provide link for webpage describing the ICT enabled tools for effective teaching-learning process	Nil

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

#### 2.3.3.1 - Number of mentors

79

File Description	Documents
Upload, number of students enrolled and full time teachers on roll.	No File Uploaded
Circulars pertaining to assigning mentors to mentees	No File Uploaded
mentor/mentee ratio	No File Uploaded

### 2.4 - Teacher Profile and Quality

#### 2.4.1 - Number of full time teachers against sanctioned posts during the year

98

File Description	Documents
Full time teachers and sanctioned posts for year (Data Template)	<a href="#">View File</a>
Any additional information	No File Uploaded
List of the faculty members authenticated by the Head of HEI	No File Uploaded

**2.4.2 - Number of full time teachers with Ph. D. / D.M. / M.Ch. /D.N.B Superspeciality / D.Sc. / D.Litt. during the year (consider only highest degree for count)**

**2.4.2.1 - Number of full time teachers with Ph. D. / D.M. / M.Ch. /D.N.C Superspeciality / D.Sc. / D.Litt. during the year**

19

File Description	Documents
Any additional information	No File Uploaded
List of number of full time teachers with Ph. D. / D.M. / M.Ch./ D.N.B Super specialty / D.Sc. / D.Litt. and number of full time teachers for year(Data Template)	<a href="#">View File</a>

**2.4.3 - Number of years of teaching experience of full time teachers in the same institution (Data for the latest completed academic year)**

**2.4.3.1 - Total experience of full-time teachers**

1094

File Description	Documents
Any additional information	No File Uploaded
List of Teachers including their PAN, designation, dept. and experience details(Data Template)	<a href="#">View File</a>

**2.5 - Evaluation Process and Reforms**

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

and mode. Write description within 200 words.

Internal Assessment dates are communicated to the students at the beginning of every semester through the Academic Calendar. Internal Assessment (IA) exams are conducted on centralized level with a committee comprising of HODs and exam in-charges of each department. In each semester two Internal Assessment exams are conducted as per university guidelines and average of both the IA marks are considered.

#### Question Papers:

The syllabus for IA exam along with the course outcomes (CO) addressed through it is displayed on the Notice Board. Question papers are framed in a common format in alignment with CO and BT levels.

- Question paper with evaluation scheme is submitted to

Internal Assessment Monitoring Committee (IAMC).

- IAMC checks all necessary measures such as CO coverage, the difficulty level of question papers and the cognitive level covered. If question paper is satisfactory it is approved, and paper is sent for printing and submitted to exam Coordinator.

#### Evaluation:

Exams are conducted as per schedule and the assessment is carried out centrally. Model answers and evaluation scheme are submitted to exam coordinator. Assessed papers are distributed to students, question paper and answers along with evaluation scheme are discussed with students.

File Description	Documents
Any additional information	No File Uploaded
Link for additional information	Nil

2.5.2 - Mechanism to deal with internal examination related grievances is transparent, time-

bound and efficient

### Redressal of grievances (Internal examination)

The mechanism for redressal of grievances with reference to evaluation at the Institute level is as per the rules laid down by the University. This includes accepting the request forms for photocopy and re-evaluation from the students. Students are given 7 days time from the date of declaration of their results to apply for photocopy of their answer books and also to apply for re-evaluation.

- For re-evaluation, the answer books of the students for which they have applied, are taken out, masked again and sent to examiners of different colleges for re-evaluation.
- On receipt of the photocopy, if the student notices mistake in total and / or non-assessment of a question / sub-question, he / she has to apply to the Principal in the prescribed form within 3 days from the date of receipt of the photocopy. All such grievances are forwarded to the concerned internal examiners for necessary action.

File Description	Documents
Any additional information	No File Uploaded
Link for additional information	Nil

## 2.6 - Student Performance and Learning Outcomes

2.6.1 - Teachers and students are aware of the stated Programme and course outcomes of the Programmes offered by the institution.

Institute adheres to the Programme Outcomes(POs) as specified in the Washington Accord adopted by the National Board of Accreditation. Each programme has defined Programme Educational Objectives(PEOs) and Programme Specific Outcomes(PSOs). The Institute follows the guidelines defined by NBA to formulate PSOs, PEOs and COs. These POs, PEOs and PSOs are explained to the students at the beginning of the semester. These POs, PEOs and PSOs are displayed on

- Institute website
- Department Office
- Course booklet of each course
- Department notice board.
- All laboratories.

The Institute is affiliated with the University of Mumbai and follows the syllabus set by the university. The University of Mumbai has adopted a Choice Based Credit and Grading System (CBCGS) with effect from the academic year 2016-17 (REV-2016). To fulfil the objectives of the student-centric approach of teaching-learning, Course Objectives and Course Outcomes are defined by the respective faculty member in consultation with the domain experts. Students are briefed about the COs by respective faculty members in the introductory lecture(s) of the course. They are also mentioned in the course booklets. These COs of all courses of each department are also published on the Institute website.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for Additional information	Nil
Upload COs for all courses (exemplars from Glossary)	No File Uploaded

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

The main objective of Outcome Based Education (OBE) is to inculcate Program Outcomes (POs) and Program Specific Outcomes (PSOs) in to graduating students. Hence, the assessment of POs and PSOs is an integral part of evaluating the quality of OBE system. The Course Outcomes (CO) contribute to the assessment of POs and PSOs as a part of In-Semester and End-Semester assessment.

As per the curriculum of University of Mumbai, COs of each course are defined and mapped with the POs and PSOs. The COs are evaluated using assessment tools like Internal Assessments, Quizzes, Assignments, Tutorials, Experiments, Seminars, Projects, Case Study, Course Exit Survey, etc., as a part of In-Semester evaluation. All COs are assessed

collectively using tools like End Semester Exam, Term Work, Oral, and/or Practical Examination. The internal evaluation has a 20% weightage and external evaluation has an 80% weightage to calculate the attainment of a CO. After calculating the Overall CO Attainment, it is compared with the target value to check if the target is achieved or not. The student's performance in various assessments is critically analyzed, and corrective actions are planned for the next year.

POs and PSOs are evaluated by direct assessment tools such as In-Semester evaluation, and End- Semester evaluation and Indirect assessment tool like Course Exit Survey.

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

### 2.6.3 - Pass percentage of Students during the year

#### 2.6.3.1 - Total number of final year students who passed the university examination during the year

441

File Description	Documents
Upload list of Programmes and number of students passed and appeared in the final year examination (Data Template)	<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://vcet.edu.in/wp-content/uploads/2023/05/SSS\\_Report-2021-22.pdf](https://vcet.edu.in/wp-content/uploads/2023/05/SSS_Report-2021-22.pdf)

## RESEARCH, INNOVATIONS AND EXTENSION

### 3.1 - Resource Mobilization for Research

#### 3.1.1 - Grants received from Government and non-governmental agencies for research projects / endowments in the institution during the year (INR in Lakhs)

##### 3.1.1.1 - Total Grants from Government and non-governmental agencies for research projects / endowments in the institution during the year (INR in Lakhs)

13.845

File Description	Documents
Any additional information	No File Uploaded
e-copies of the grant award letters for sponsored research projects /endowments	No File Uploaded
List of endowments / projects with details of grants(Data Template)	<a href="#">View File</a>

#### 3.1.2 - Number of departments having Research projects funded by government and non government agencies during the year

##### 3.1.2.1 - Number of departments having Research projects funded by government and non-government agencies during the year

1

File Description	Documents
List of research projects and funding details (Data Template)	<a href="#">View File</a>
Any additional information	No File Uploaded
Supporting document from Funding Agency	No File Uploaded
Paste link to funding agency website	Nil

#### 3.1.3 - Number of Seminars/conferences/workshops conducted by the institution during the year

**3.1.3.1 - Total number of Seminars/conferences/workshops conducted by the institution during the year****81**

File Description	Documents
Report of the event	No File Uploaded
Any additional information	No File Uploaded
List of workshops/seminars during last 5 years (Data Template)	<a href="#">View File</a>

**3.2 - Research Publications and Awards****3.2.1 - Number of papers published per teacher in the Journals notified on UGC website during the year****3.2.1.1 - Number of research papers in the Journals notified on UGC website during the year****19**

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

**3.2.2 - Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during the year****3.2.2.1 - Total number of books and chapters in edited volumes/books published and papers in national/ international conference proceedings during the year****36**

File Description	Documents
Any additional information	No File Uploaded
List books and chapters edited volumes/ books published (Data Template)	<a href="#">View File</a>

**3.3 - Extension Activities**

3.3.1 - Extension activities are carried out in the neighborhood community, sensitizing students to social issues, for their holistic development, and impact thereof during the year

The Institute aims for holistic development of students. To achieve this various platform are available for students.

To strengthen development towards sensitizing social issues students are actively involved in activities like, Tree Plantation, Vigilance Awareness programme, Rider Safety Training Webinar & Quiz, Electoral Literacy Competitions, Say No to Drugs Activity, Webinar on "Mangrove Forest" for National Youth Day, mega donation camp, Vaccination Drive, Beach Cleaning, Essay competition on International Women's Day, Yoga Day, Fit India Movement, etc. Also, programs like Use of Plastic Survey, Sadak Suraksha Motorcycle Rally & Street Play, are organized in collaboration with NGOs. Programmes such as Webinar on "Leaving no one behind" on the occasion of World Tribal Day is conducted to recognizes the achievements and contributions that indigenous people make to improve world issues such as environmental protection. Various Webinars and expert talks by NGO activists to improve way of thinking by giving exposure to real life problems.

These activities are helpful for the students to become responsible citizens and understand fundamental rights and duties. This also helps students to master their skills to organize the various programs, coordination amongst volunteers, hospitality to the guests, etc.

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

**3.3.2 - Number of awards and recognitions received for extension activities from government / government recognized bodies during the year**

**3.3.2.1 - Total number of awards and recognition received for extension activities from Government/ government recognized bodies during the year**

2

File Description	Documents
Any additional information	No File Uploaded
Number of awards for extension activities in last 5 year(Data Template)	<a href="#">View File</a>
e-copy of the award letters	No File Uploaded

**3.3.3 - Number of extension and outreach programs conducted by the institution through NSS/NCC/Red cross/YRC etc., ( including the programmes such as Swachh Bharat, AIDS awareness, Gender issues etc. and/or those organized in collaboration with industry, community and NGOs ) during the year**

**3.3.3.1 - Number of extension and outreach Programs conducted in collaboration with industry, community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., during the year**

23

File Description	Documents
Reports of the event organized	No File Uploaded
Any additional information	No File Uploaded
Number of extension and outreach Programmes conducted with industry, community etc for the last year (Data Template)	<a href="#">View File</a>

**3.3.4 - Number of students participating in extension activities at 3.3.3. above during the year**

**3.3.4.1 - Total number of Students participating in extension activities conducted in collaboration with industry, community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., during the year**

1789

File Description	Documents
Report of the event	No File Uploaded
Any additional information	No File Uploaded
Number of students participating in extension activities with Govt. or NGO etc (Data Template)	<a href="#">View File</a>

### 3.4 - Collaboration

**3.4.1 - The Institution has several collaborations/linkages for Faculty exchange, Student exchange, Internship, Field trip, On-the- job training, research etc during the year**

541

File Description	Documents
e-copies of linkage related Document	No File Uploaded
Details of linkages with institutions/industries for internship (Data Template)	<a href="#">View File</a>
Any additional information	No File Uploaded

**3.4.2 - Number of functional MoUs with national and international institutions, universities, industries, corporate houses etc. during the year**

**3.4.2.1 - Number of functional MoUs with Institutions of national, international importance, other universities, industries, corporate houses etc. during the year**

59

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

## INFRASTRUCTURE AND LEARNING RESOURCES

### 4.1 - Physical Facilities

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

The Institute has 5 acres of land which is two times of the stated AICTE norms for urban areas with a G+5 storied building with 14193 sq.m built up area. It includes 8531 sq.m instructional area, 560 sq.m, administrative area, 1392 sq.m amenities and 3512 sq.m access and circulation area. The Institute has upgraded to modern teaching aids as such all classrooms are equipped with ICT facilities. All laboratories are well furnished and equipped with the latest experimental hardware and software. The Institute has upgraded to 300 Mbps of leased line to cater the internet needs and installing wifi routers are installed on each floor to provide access the internet. Each classroom is provided with multimedia projector and internet access. Each faculty member is provided with a laptop and each department is provided with portable public address system. The Institute possesses a fully air-conditioned auditorium and two seminar halls with ICT facilities. Access to e-books, e-journals, database, adequate reference books on relevant topics and journals is made through the central library which also has a well-furnished spacious reading hall. Photocopy machine is installed in the library.

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

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

The Institute possesses an air-conditioned auditorium of trust and two seminar halls. They are used for conducting seminars, workshops, conferences, cultural events and co-curricular activities. The Institute is equipped with ample sports equipment and facilities for the sports enthusiasts. It is furnished with equipment pertaining to Table Tennis, Carrom, Chess, Cricket, Volleyball, Throw ball, Football, Kabaddi, KhoKho, Badminton and several other indoor/outdoor

sports. Though a majority of sports events are conducted within the college campus, the Institute hires 'Chimaji Appa Ground' for smooth conduction of Overarm Cricket and Athletics during the Annual Sports Festival. A spectrum of literary events ranging from Kavi Sammelan to Debate Competitions is also organized. Institute actively celebrates Yoga Day, Teachers Day, Republic Day, Marathi Bhasha Divas, Swachata Pakhwada, Independence Day and several other days with enthusiastic participation from both teachers and students. To broaden the domain of their capabilities, the students are encouraged and provided with the funds to participate in several inter-collegiate events.

Various programs are carried out by the NSS where students get the opportunity to interact with society to understand the challenges and problems these people are facing on a daily basis. Under NSS various programs are organised to facilitate the society.

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

#### 4.1.3 - Number of classrooms and seminar halls with ICT- enabled facilities such as smart class, LMS, etc.

24

##### 4.1.3.1 - Number of classrooms and seminar halls with ICT facilities

24

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	Nil
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	No File Uploaded

#### 4.1.4 - Expenditure, excluding salary for infrastructure augmentation during the year

**(INR in Lakhs)****4.1.4.1 - Expenditure for infrastructure augmentation, excluding salary during the year (INR in lakhs)**

501.33

File Description	Documents
Upload any additional information	No File Uploaded
Upload audited utilization statements	No File Uploaded
Upload Details of budget allocation, excluding salary during the year (Data Template)	<a href="#">View File</a>

**4.2 - Library as a Learning Resource****4.2.1 - Library is automated using Integrated Library Management System (ILMS)**

Central Library is partially automated using Integrated Library Management System (ILMS). ILMS software ERP JUNO Campus Software, through which books can be searched by Author's name, Title, Accession no, Publisher Name etc. Library has 33502 books,

Including book bank books. Various printed journals are also available in the library. Central library has maintained all the previous year's syllabus since 1994 for Alumni reference purposes. Also previous years question papers are available for reference. Daily popular newspapers in Marathi & English including Employment News and technical journals available for reading and home lending.

There is a separate reference section for weekly/monthly magazines and journals like Competitive Success Review, Economics & Political Weekly, Kuruksheetra, Lokrajya, Yojna published by the Government of Maharashtra and few books for preparation of various

competitive exams are also available. The Area of Library is 448.12 sq.m with a spacious reading hall with a capacity of 150 students, in addition to that the library also has a decent collection of Marathi and English novels.



Name of ILMS software: ERP JUNO Campus software

Nature of the automation: Partially

Version: 2021

Year of Automation: March 2013 Started from e-Granthalaya

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

**4.2.2 - The institution has subscription for the following e-resources e-journals e-ShodhSindhu Shodhganga Membership e-books Databases Remote access toe-resources**

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

File Description	Documents
Upload any additional information	No File Uploaded
Details of subscriptions like e-journals,e-ShodhSindhu, Shodhganga Membership etc (Data Template)	<a href="#">View File</a>

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

**4.2.3.1 - Annual expenditure of purchase of books/e-books and subscription to journals/e- journals during the year (INR in Lakhs)**

**12.45914**

File Description	Documents
Any additional information	No File Uploaded
Audited statements of accounts	No File Uploaded
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 - Number per day usage of library by teachers and students ( foot falls and login data for online access) (Data for the latest completed academic year)

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

98

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

#### 4.3 - IT Infrastructure

##### 4.3.1 - Institution frequently updates its IT facilities including Wi-Fi

The Institute has upgraded from Symantec antivirus 12.1 to 14.1. D-link/ switches have been replaced by Ciscos SG-200 and 300 giga switches. Structured cabling is upgraded to CAT6 from previous CAT5 enabling system upgradation from 10/100 to 100/1000 network. Symantec antivirus 14.1 is upgraded to Seqrite 7.2 E.P.S Sophos Firewall upgraded from Cyber-roam 100ING to Sophos XG 330.

The upgradation of Computers is taken by replacing old desktops with configurations such as 1 GHZ-3 GHZ core I3 processor. Memory has been upgraded from 1 GB to 4GB/8GB. Two HP servers with 16 GB memory each have been purchased which are scalable up to 128 GB Memory. and one workstation of 128 GB memory. Two more servers of Dell server Tower model, Power Edge T440, Intel Xeon Silver 4210, 2.2 G and HP with Proliant DL 380 Gen 10 with 32 GB RAM have been purchased. Internet bandwidth is upgraded to 300Mbps.

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

**4.3.2 - Number of Computers**

723

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Student – computer ratio	No File Uploaded

**4.3.3 - Bandwidth of internet connection in the Institution**

A. ? 50MBPS

File Description	Documents
Upload any additional Information	No File Uploaded
Details of available bandwidth of internet connection in the Institution	No File Uploaded

**4.4 - Maintenance of Campus Infrastructure****4.4.1 - Expenditure incurred on maintenance of infrastructure (physical and academic support facilities) excluding salary component during the year (INR in Lakhs)****4.4.1.1 - Expenditure incurred on maintenance of infrastructure (physical facilities and academic support facilities) excluding salary component during the year (INR in lakhs)**

92.38

File Description	Documents
Upload any additional information	No File Uploaded
Audited statements of accounts.	No File Uploaded
Details about assigned budget and expenditure on physical facilities and academic support facilities (Data Templates)	<a href="#">View File</a>

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

#### Laboratories:

Equipment in a laboratory undergoes periodic maintenance. Minor repairs are carried out by the technical staff. Major repairs are outsourced by following the procedure of the Institute. Dead stock, Consumable and Repair Registers are maintained. Calibration of equipment is done regularly. Equipment and systems under warranty period are serviced by seller/distributor/vendor either on campus or sent to a concerned workshop.

#### Computers:

PCs health cards are maintained in all laboratories for keeping record of maintenance of PCs. Software upgradation is done regularly, and all PCs are protected with antivirus.

Library: Regular book binding is carried out for worn out books to increase their usage and life.

Sports Facility: Sports committee headed by Sports In-charge and faculty takes necessary decisions for maintaining gymkhana on a regular basis.

#### Physical and Support facilities and other resources:

Annual Maintenance Contracts are given for cleaning of classrooms, drawing halls, laboratory, toilet blocks and washrooms. Carpenter, electrician, plumber, etc. are appointed for maintenance related issues. Water tank cleaning

and A.C. servicing is done quarterly. Photocopy, scanning, etc. are serviced on a timely basis. Lift, Fire extinguishers are under Annual maintenance Contract. Maintenance of CCTV is done by the in-house employee.

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

## STUDENT SUPPORT AND PROGRESSION

### 5.1 - Student Support

#### 5.1.1 - Number of students benefited by scholarships and free ships provided by the Government during the year

##### 5.1.1.1 - Number of students benefited by scholarships and free ships provided by the Government during the year

965

File Description	Documents
Upload self attested letter with the list of students sanctioned scholarship	No File Uploaded
Upload any additional information	No File Uploaded
Number of students benefited by scholarships and free ships provided by the Government during the year (Data Template)	<a href="#">View File</a>

#### 5.1.2 - Number of students benefitted by scholarships, free ships etc. provided by the institution / non- government agencies during the year

##### 5.1.2.1 - Total number of students benefited by scholarships, free ships, etc provided by the institution / non- government agencies during the year

1048

File Description	Documents
Upload any additional information	No File Uploaded
Number of students benefited by scholarships and free ships institution / non- government agencies in last 5 years (Date Template)	<a href="#">View File</a>

**5.1.3 - Capacity building and skills enhancement initiatives taken by the institution include the following: Soft skills Language and communication skills Life skills (Yoga, physical fitness, health and hygiene) ICT/computing skills**

**A. All of the above**

File Description	Documents
Link to institutional website	Nil
Any additional information	No File Uploaded
Details of capability building and skills enhancement initiatives (Data Template)	<a href="#">View File</a>

**5.1.4 - Number of students benefitted by guidance for competitive examinations and career counseling offered by the institution during the year**

2986

**5.1.4.1 - Number of students benefitted by guidance for competitive examinations and career counseling offered by the institution during the year**

2986

File Description	Documents
Any additional information	No File Uploaded
Number of students benefited by guidance for competitive examinations and career counseling during the year (Data Template)	<a href="#">View File</a>

**5.1.5 - The Institution has a transparent mechanism for timely redressal of student**

**A. All of the above**

**grievances including sexual harassment and ragging cases Implementation of guidelines of statutory/regulatory bodies Organization wide awareness and undertakings on policies with zero tolerance Mechanisms for submission of online/offline students' grievances Timely redressal of the grievances through appropriate committees**

File Description	Documents
Minutes of the meetings of student redressal committee, prevention of sexual harassment committee and Anti Ragging committee	No File Uploaded
Upload any additional information	No File Uploaded
Details of student grievances including sexual harassment and ragging cases	No File Uploaded

## 5.2 - Student Progression

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

#### 5.2.1.1 - Number of outgoing students placed during the year

199

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 students progressing to higher education during the year

#### 5.2.2.1 - Number of outgoing student progression to higher education

36

File Description	Documents
Upload supporting data for student/alumni	No File Uploaded
Any additional information	No File Uploaded
Details of student progression to higher education	<a href="#">View File</a>

**5.2.3 - Number of students qualifying in state/national/ international level examinations during the year (eg: JAM/CLAT/GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/State government examinations)**

**5.2.3.1 - Number of students qualifying in state/ national/ international level examinations (eg: JAM/CLAT/NET/ SLET/ GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/ State government examinations) during the year**

61

File Description	Documents
Upload supporting data for the same	<a href="#">View File</a>
Any additional information	No File Uploaded

**5.3 - Student Participation and Activities**

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

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

0

File Description	Documents
e-copies of award letters and certificates	No File Uploaded
Any additional information	No File Uploaded
Number of awards/medals for outstanding performance in sports/cultural activities at university/state/national/international level (During the year) (Data Template)	<a href="#">View File</a>



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

**Student Council:** Students' Council looks out for all the student-oriented activities to promote cultural activities and provide the students with opportunities to develop leadership, social responsibility, citizenship, volunteerism, and employment experience.

**Activity of Sports Committee:** The Institute sports committee is responsible for organizing

sports activities. It also manages and looks after the required

sports equipment and upgrades the facility.

**Students Chapter/Technical Committee/NSS/Literati Committee:** Under the mentorship of the faculty advisors, local students chapters such as VMEA, SAE, ISHARE, CSI, IEEE, CESA, IGBC, etc. organize various co-curricular events. The events of NSS are planned and executed by a team of students under the guidance of the faculty coordinator. Literati Committee manages the publishing of Annual Magazine.

**Students Representation on Administrative Bodies:** The representation of the students in the Internal Quality Assurance Committee (IQAC), College Development Committee (CDC),

and Department Advisory Board (DAB) facilitates to enhance the academic as well as administrative growth of the Institution. Students also have a representation in Student Grievance Redressal Committee.

**Other:** Students have active involvement in the activities of ECell, Placement and Training Cell, etc. Every class has a student representative to assist in the coordination of activities.

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

### 5.3.3 - Number of sports and cultural events/competitions in which students of the Institution participated during the year (organized by the institution/other institutions)

#### 5.3.3.1 - Number of sports and cultural events/competitions in which students of the Institution participated during the year

40

File Description	Documents
Report of the event	No File Uploaded
Upload any additional information	No File Uploaded
Number of sports and cultural events/competitions in which students of the Institution participated during the year (organized by the institution/other institutions) (Data Template)	<a href="#">View File</a>

### 5.4 - Alumni Engagement

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

The VCET alumni association is registered with The Assistant Registrar of Societies, Thane Region. The registration number is MAH/2133/2018/THANE.

The students register themselves as a member of VCET Alumni Association during the end of their final semester. Distinguished alumni are invited as guest lecturers for seminars, workshops, etc. to share their experience about the latest trend in industry. It helps the current students to get acquainted with recent technologies through the expertise of the Alumni. They are also invited to serve as major project co-guide and external project examiners for University examination.

An alumni meet is organized every year. Alumni are contacted through various social media like Facebook, WhatsApp, etc. and also invited through personal emails. The date of the alumni meet is floated on the Institute website. The alumni are appealed to register online for the same. The meet comprises a welcome program, Interaction, entertainment programs like singing, dancing followed by dinner. Feedback is also taken during this occasion. There is an interactive session between faculty and alumni wherein their views and suggestions are noted for betterment of the Institute. This interaction improves industry contacts for placement, project and internship.

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

**5.4.2 - Alumni contribution during the year (INR in Lakhs)**

E. <1Lakhs

File Description	Documents
Upload any additional information	No File Uploaded

## GOVERNANCE, LEADERSHIP AND MANAGEMENT

### 6.1 - Institutional Vision and Leadership

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

#### Nature of Governance and Leadership:

The Governing Council of Vidyavardhini's, is responsible for policy decision related to infrastructure, financial management, human resource planning and recruitment. The budgeting decision is recommended by College Development Committee, and eventually

approved by Governing Council. The Institute has constituted Internal Quality Assurance Cell (IQAC) for planning & execution of development activities & promotion of quality culture.

**Perspective plans:**

Perspective plans focused on the fulfillment of Vision & Mission of the Institute and based on the SWOC analysis. The key elements includes:

- Enhancing capacity building of students through student-centric extra and co-curricular activities
- Strengthening Industry Institute Interaction
- Strengthening research activities
- Nurturing experiential and project-based learning

**Participation of the teachers in decision-making bodies:**

The Institute has always ensured participation of teachers in decision-making processes in various capacities.

- The Institute has two staff nominees in the Governing Council.
- Three teachers and a non-teaching staff have been elected in College Development Committee (Local Managing Committee) apart from the HOD nominee.
- The IQAC has three members and a coordinator from teaching faculty.

Leadership is reflected in good transparent governance, establishing and practicing faculty development policies, welfare policies for faculty and staff, implementation of statutory body guidelines in academics/admissions, state-of-art infrastructure.

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

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

The Institute has various committees at Institute and department level that include staff members which effectively

manage the academic, administrative, co-curricular and extracurricular activities, and address the issues pertaining to the scope of their committee.

The Principal is given authority to take financial decisions to a great extent for the prompt execution of the several academic and non-academic decisions. Provision of petty cash is available to the Head of the Departments for day-to-day/emergency expenditure.

Faculty are actively involved in Institute's decision-making process. After the deliberate discussions done on the concerned issues/matters, the final opinions are conveyed to the Principal and subsequently to the management through the Principal. The management gives due weightage to the viewpoint of the faculty while taking the decisions regarding the college development.

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

## 6.2 - Strategy Development and Deployment

### 6.2.1 - The institutional Strategic/ perspective plan is effectively deployed

Institute's Strategic / Perspective plan set in motion is as follows

- 1. Academics:** Academic planning and execution is carried out thoroughly aided by institute ERP. Faculties are being encouraged to implement new pedagogical techniques and include them in their teaching - learning. The use of ICT tools in teaching - learning is highly encouraged and the necessary infrastructure has been put in place and are being regularly updated.
- 2. Infrastructure:** Regular updating of the infrastructure is carried out. IT infrastructure are regularly replaced / upgraded as per set policy.
- 3. Student Development:** Number of initiatives has been taken for student development. Many technical activities are carried out throughout the year, including the annual project showcase and VCET Hackathon, among other events. The college also puts

emphasis on the development of the non-technical aspects of the students. Accordingly, annual events like the cultural festival 'Zeal' is organised every year. The college also has the NSS committee of the students who carry out multiple activities throughout the year thus inculcating the social values.

4. **Placements:** Numerous training and placement related activities are carried out throughout the year, which has resulted in good placements for the students.
5. **Industry Institute Interaction Cell:** The institute has an active Industry Institute Interaction Cell for bridging the gap between the industry and academia.
6. **Faculty Development:** Various faculty development initiatives have been put in place by the institute. These initiatives include for higher education, and research, among others.

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

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

The Institute has a well-established organizational structure to execute smooth functioning of administrative and academic processes. The Governing Council is the highest decision-making body, constituting members of the Management, Principal and nominated faculty members. The Principal receives inputs from College Development Committee and Internal Quality Assessment Cell. The administrative set-up includes Principal and various planes for the smooth functioning of the Institute, which are enlisted below:

Plane

Composition

Responsibility

## Academic

Dean academics, Department Committee in-charge, Department Activity in-charge, Student chapter in-charge, Proctor and Supporting staff reporting to the Head of the Department

Execution and monitoring teaching-learning process

## Administration

Statutory committees (OBC, ICC, ARC, SC/ST, MC, GRC, WDC), Registrar

Administration and exam

## Activity

Dean students affairs and in-charges of students chapters.

Co-curricular and Extra-curricular

Research and Development

Dean RnD, IPR Cell and Swayam-NPTEL Committee

Research and Development activities

Placement/Development

TAP and E-Cell

Training and Placement activities

## Alumni

Alumni Association

Alumni meet, Alumni engagement activities

IT Infrastructure

Dean IT Infrastructure

Upgradation, Procurement, allocation and utilization of IT infrastructure

The Institute is affiliated to University of Mumbai, recognized by DTE Government of Maharashtra and approved by AICTE. The Institute follows service rules, procedures, recruitment and promotional policies designed and recognized by statutory bodies.

File Description	Documents
Paste link for additional information	Nil
Link to Organogram of the Institution webpage	Nil
Upload any additional information	No File Uploaded

**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) Document	<a href="#">View File</a>
Screen shots of user interfaces	<a href="#">View File</a>
Any additional information	No File Uploaded
Details of implementation of e-governance in areas of operation, Administration etc (Data Template)	<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

**Welfare measures for teaching and non-teaching staff are:**

1. Every employee is offered Gratuity as per the Government norms upon their retirement/leaving the job.

2. Employees' Provident Fund is deposited timely along with the contribution from Institute.



3. Group Insurance facility is provided for the non-teaching staff.
4. 180 days maternity leave is provided to women employee after completing probation.
5. Study leave for MTech/PhD: Faculty members are encouraged to pursue higher studies by providing them study leave and financial assistance.
6. Teaching and Non-teaching faculties are offered financial support and On Duty leave for attending knowledge upgradation programmes like Conferences, Seminars, Workshops, STTPs, Industrial visits, etc.
7. The Institute encourages the organization of Conferences/Seminars/Workshops/ STTPs etc. by giving adequate financial backing.
8. Special Medical Leave is offered to Teaching and Non-teaching faculties suffering from critical illness.
9. Counselling facility is made available to the teaching and non-teaching staff in the Institute, to cope-up with their emotional/stress issues.
10. Doctor is available as and when required on a phone call for all staff members and students. A bed has been reserved in a reputed hospital to address emergency medical need.
11. Uniforms and washing allowance are provided to all class IV employees.

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

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

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

43

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 programs organized by the institution for teaching and non-teaching staff during the year

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

8

File Description	Documents
Reports of the Human Resource Development Centres (UGCASC or other relevant centres).	No File Uploaded
Reports of Academic Staff College or similar centers	No File Uploaded
Upload any additional information	No File Uploaded
Details of professional development / administrative training Programmes organized by the University for teaching and non teaching staff (Data Template)	<a href="#">View File</a>

### 6.3.4 - Number of teachers undergoing online/face-to-face Faculty development Programmes (FDP) during the year (Professional Development Programmes, Orientation / Induction Programmes, Refresher Course, Short Term Course etc.)

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

206

File Description	Documents
IQAC report summary	No File Uploaded
Reports of the Human Resource Development Centres (UGCASC or other relevant centers)	No File Uploaded
Upload any additional information	No File Uploaded
Details of teachers attending professional development programmes during the year (Data Template)	<a href="#">View File</a>

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

To ensure an effective performance appraisal, the Institute demands the teaching and non-teaching staff to fill up an appraisal form at the end of every academic year. The key parameters of the same are listed below:

The parameter for performance appraisal of teaching staff:

- Result analysis and student's feedback for the subject taught
- Step taken to enhance teaching -learning process  
Conferences / Courses / Training programmes / Seminars/  
Workshops attended
- Courses / Training programmes / Seminars/ Workshops conducted
- Publications: National/International Journals/Conferences, Book/Book Chapters in Monograph
- Industry/ Research projects undertaken
- Academic upgradation through higher studies
- Contribution in the departmental and college activities
- Participation in co-curricular/extracurricular activities
- Any other information that the faculty would like to

furnish as a part of appraisal

The parameters for performance appraisal of non- teaching staff:

- Proficiency in work
- General intelligence, industry and keenness to learn  
Engagement in any other work than routine Amenability to discipline
- Punctuality in attendance
- Relation with General public, Collogues and Students
- Integrity

The duly filled forms are assessed by the Head of the Department or Registrar (in case of administrative staff). The forms are eventually forwarded to the Principal to decide upon the further course of action.

File Description	Documents
Paste link for additional information	Nil
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 Enumerate the various internal and external financial audits carried out during the year with the mechanism for settling audit objections within a maximum of 200 words

Vidyavardhini Trust has maintained a very transparent financial mechanism for all its institutions and has formulated a Finance Manual in June 2005.

The Trust has an effective mechanism of internal and external audit. These audits verify and certify all nature of income and expenditures along with all capital expenditure and deposits of the Institute in each financial year.

Internal audit is a continuous process. A qualified Internal auditor from an external agency have been permanently appointed by the society who regularly examines all the

records maintained by the accounts department.

An external auditor appointed by the society to execute the statutory audit. This audit is conducted in two phases, one in the month of December/January and second in the month of May/June every year. Finalization of accounts is completed in June/July and audited statement is prepared and duly signed by Principal/Secretary and Chartered Accountant. The Chartered Accountant submits the Audit Report after completing the audit of all the Institutes and Trust.

The minor audit suggestions (if any) pointed by auditor are duly complied. These audited statements are then presented for approval in College Development Committee followed by Governing Council.

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

#### **6.4.2 - Funds / Grants received from non-government bodies, individuals, philanthropers during the year (not covered in Criterion III)**

##### **6.4.2.1 - Total Grants received from non-government bodies, individuals, Philanthropers during the year (INR in Lakhs)**

1.525

File Description	Documents
Annual statements of accounts	No File Uploaded
Any additional information	No File Uploaded
Details of Funds / Grants received from of the non-government bodies, individuals, Philanthropers during the year (Data Template)	<a href="#">View File</a>

#### **6.4.3 - Institutional strategies for mobilization of funds and the optimal utilization of resources**

Vidyavardhini's College of Engineering and Technology is a self-financed institution, where the funds are generated through the fees paid by the students. The fee is approved by the Fee Regulating Authority constituted by Government of Maharashtra. The Governing Council of the Institute in assistance with the Principal, constantly monitors the effective mobilization of funds and the optimal utilization of resources to progress in achieving the Vision and Mission of the Institute.

The Vidyavardhini Trust has formulated a Finance Manual which elaborates the processes of all the financial transactions. All the Head of the Departments and all Functional Heads submit their budget requirements to the Principal along with a justification. Accordingly, the Accounts department summarizes the requirements and the Institute Budget is prepared before the commencement of every financial year.

The Budget is consolidated by the Principal, Head of the Departments, Registrar and Accountant after giving due weightage to the Institute's strategic plan. The Budget is then presented before the College Development Committee and Governing Council which approves the Budget with the necessary amendments.

In case of change in the norms by the Regulatory authorities, the allotted funds are amended to comply the revised conditions, with the permission of the Chairman/President.

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

## 6.5 - Internal Quality Assurance System

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

IQAC has been a central agency in the institution for assimilation of data, planning & execution of several development activities & promotion of quality culture

institution wide.

The key contributions by the IQAC for Institutionalizing the quality assurance strategies and process are:

- Experts from reputed Institutes were invited to guide the faculty on various aspects of Outcome Based Education and NBA, NAAC Accreditation, implementation of examination reforms, etc.
- Academic audits of all the Departments were conducted by experienced educators from reputed Institutes.
- Internship were given by various centre of excellence.
- Revision of Academic Audit form was carried out to have a critical review of the academic processes and improve upon them.
- Practise of one faculty- one industry was initiated to strengthen Industry-Institute interaction
- Revision of Performance appraisal form was carried out to evaluate the contribution/achievement of faculty in various areas
- Revision of feedback form from all stake holders was done to ease the feedback process and ensure effective feedback process
- Rubrics for various assessment tools were devised

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

6.5.2 - The institution reviews its teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals through IQAC set up as per norms and recorded the incremental improvement in various activities

The Institute takes efforts to bring about continual improvement in all the processes in academic and administrative front. Some of the enhancement initiatives are summarized as follows:

**Academic:**

**Faculty Qualification Enhancement:** 1 faculty of the Institute successfully completed PhD and 2 secured admissions for PhD

**Faculty training:** regarding implementation of examination reforms was initiated

**Teaching-Learning:** Various innovative pedagogical initiatives were undertaken by faculty

**Experiential Learning:** The Institute hosted 'Vidyavardhini's National Project Showcase'.

**Professional Activities:** Initiated and provided financial support for product design /development activities and participation in competitions.

**Industry Institute Interaction:** The Institute has 59 MoU with prestigious companies.

**Alumni Engagement and Interaction:** Guidance sessions by alumni and alumni meets was organized.

**Students mentoring:** Mentoring session on life skills by professional counsellor

**Administrative:**

**IT Infrastructure:** Purchase of 175 PCs with Core i5 processor and 25 PCs with Core i5 processor with graphic card

**Infrastructure enhancement:** Renovation of class rooms was undertaken.

**Green Initiative:** The Energy and Green audit are also done.

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

**6.5.3 - Quality assurance initiatives of the institution include: Regular meeting of Internal Quality Assurance Cell (IQAC);**

**B. Any 3 of the above**



**Feedback collected, analyzed and used for improvements Collaborative quality initiatives with other institution(s) Participation in NIRF any other quality audit recognized by state, national or international agencies (ISO Certification, NBA)**

File Description	Documents
Paste web link of Annual reports of Institution	Nil
Upload e-copies of the accreditations and certifications	No File Uploaded
Upload any additional information	No File Uploaded
Upload details of Quality assurance initiatives of the institution (Data Template)	<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

The measures taken to promote gender equity and create a safe and inclusive environment for all students encompassed various events and activities such as:

On 24th January 2022, in celebration of National Girl Child Day, an event was organized to promote a feeling of pride among parents of girl children. Girls from the college were invited to click and upload pictures with their parents, showcasing the importance and value of raising a girl child.

An elocution competition called "Raise Your Voice" was conducted on 27th January 2022, where participants shared their political thoughts and concerns. This event aimed to encourage girls to express their opinions and have their voices heard. A total of 80 students participated in this competition.

On 8th March 2022, in observance of International Women's Day, an essay writing competition was organized. The competition provided a platform for students to express their thoughts and perspectives on gender equality. Thirty students participated and contributed to the meaningful discussions.

These initiatives aimed to empower girls, raise awareness on gender issues, and foster a sense of social responsibility.

File Description	Documents
Annual gender sensitization action plan	Nil
Specific facilities provided for women in terms of: a. Safety and security b. Counseling c. Common Rooms d. Day care center for young children e. Any other relevant information	<a href="https://docs.google.com/document/d/1PzMclDhiiwD9sJ9gThvsBwhLCBFcNmoa/edit?usp=sharing&amp;oid=100237075317348815462&amp;rtpof=true&amp;sd=true">https://docs.google.com/document/d/1PzMclDhiiwD9sJ9gThvsBwhLCBFcNmoa/edit?usp=sharing&amp;oid=100237075317348815462&amp;rtpof=true&amp;sd=true</a>

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

**B. Any 3 of the above**

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

**7.1.3 - Describe the facilities in the Institution for the management of the following types of degradable and non-degradable waste (within 200 words) Solid waste management Liquid waste management Biomedical waste management E-waste management Waste recycling system Hazardous chemicals and radioactive waste management**

**Solid waste management:**

The Institute strongly promotes the principles of 3 R's i.e. Reduce, Reuse and Recycle and takes possible initiatives to inculcate the same among students and staff to minimize waste generation. Being an educational Institute, hazardous waste or e-waste is not significantly generated. Adequate measures

are in place to manage the solid waste. Biodegradable wastes from the college canteen, dead leaves from the trees and other solid waste are managed thoughtfully. The green waste is collected in the pit and processed for composting. The manure is used for the plants in the gardens. Paper waste are sold to licensed purchasers.

#### Liquid waste management:

Being a Technical Institute, hazardous waste from chemicals and acids are minimal in the Chemistry laboratory. However, utmost care is ensured to dilute the concentrated solutions before their disposal.

Appropriate measures are taken to dispose of toxic wastes.

#### E-waste management:

E-waste such as computers, printers, CPUs, electrical and electronic assemblies collected from various departments are sorted and are either disposed in safe manner through the authorized vendor or exchanged during the new purchase. Almost all equipment is used to its fullest, by permitting usage of its parts in other suitable equipment or in student's projects.

<https://drive.google.com/file/d/1PZMQbwU8>

[7CAFBTfOtdQOiiLEKKbYD6nC/view?usp=sharing](https://drive.google.com/file/d/1PZMQbwU87CAFBTfOtdQOiiLEKKbYD6nC/view?usp=sharing)

File Description	Documents
Relevant documents like agreements/MoUs with Government and other approved agencies	No File Uploaded
Geo tagged photographs of the facilities	<a href="https://drive.google.com/file/d/1L_0WIhRaBzyqBSeNHewu04tL-VNcZkZo/view?usp=sharing">https://drive.google.com/file/d/1L_0WIhRaBzyqBSeNHewu04tL-VNcZkZo/view?usp=sharing</a>
Any other relevant information	No File Uploaded

**7.1.4 - Water conservation facilities available in the Institution: Rain water**

**C. Any 2 of the above**

harvesting Bore well /Open well recharge  
Construction of tanks and bunds Waste  
water recycling Maintenance of water  
bodies and distribution system in the  
campus

File Description	Documents
Geo tagged 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 with trees and plants

B. Any 3 of the above

File Description	Documents
Geo tagged photos / videos of the facilities	<a href="#">View File</a>
Any other relevant documents	<a href="#">View File</a>

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

7.1.6.1 - The institutional environment and energy initiatives are confirmed through the following 1.Green audit 2. Energy audit 3.Environment audit 4.Clean and green campus recognitions/awards 5. Beyond the campus environmental promotional activities

B. Any 3 of the above

File Description	Documents
Reports on environment and energy audits submitted by the auditing agency	<a href="#">View File</a>
Certification by the auditing agency	<a href="#">View File</a>
Certificates of the awards received	No File Uploaded
Any other relevant information	No File Uploaded

**7.1.7 - The Institution has disabled-friendly, barrier free environment Built environment with ramps/lifts for easy access to classrooms. Disabled-friendly washrooms Signage including tactile path, lights, display boards and signposts Assistive technology and facilities for persons with disabilities (Divyangjan) accessible website, screen-reading software, mechanized equipment 5. Provision for enquiry and information : Human assistance, reader, scribe, soft copies of reading material, screen reading**

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

File Description	Documents
Geo tagged photographs / videos of the facilities	<a href="#">View File</a>
Policy documents and information brochures on the support to be provided	No File Uploaded
Details of the Software procured for providing the 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 socioeconomic and other diversities (within 200 words).**

**In order to provide an inclusive environment i.e., tolerance**

and harmony towards cultural, regional, linguistic, communal socioeconomic and other diversities following programmes were conducted at the Institute:

- Tree Plantation
- The annual cultural festival ZEAL was celebrated with the theme MERAKI- THE ART OF IMPERFECTIONS.
- "Kalasparsh" -drawings, rangolis, and Ganpati decoration competition
- Teachers' Day
- Independence and Republic Day
- Freshers' Party
- Gandhi Jayanti
- Fit India Movement
- Vaccination Drive
- Vigilance Awareness campaign
- A Beach Cleaning campaign
- The Surveillance of Plastic Use
- Rider Safety Training
- National Youth Day
- Raise Your Voice, an elocution competition
- Shivaji Jayanti
- International Women's Day
- Sadak Suraksha Motorcycle Rally
- Mega Donation Camp
- Marathi Bhasha Diwas
- International Mother Language Day
- Kavi Sammelan
- Literature Fest
- Faceoff 9.0- The Interdepartmental Debate Competition.

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>
Any other relevant information	No File Uploaded

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

Every year VCET institute organizes activities to generate Human Values & Ethics for staff and students. The curriculum of University of Mumbai includes the courses like Business Communication & Ethics (TE, Electronics & Telecommunication Engineering, Information Technology, Computer Engineering), Cryptography & System Security (BE, Computer Engineering) and Digital Forensics (BE, Computer Engineering, Information Technology, AI&DS, CSE&DS) which makes the students aware of the Professional Ethics. Co-Curricular/Extra-Curricular activities are organized to promote these values. Student needs are catered through Minority cell, OBC cell, SC/ST cell etc. Fostering entrepreneurship skills and channelize the competencies amongst students is done through Entrepreneurship cell. Plagiarism check of project reports is done using TurnItIn software.

Some of the organized events are as follows:

- Tree Plantation
- Vigilance Awareness
- Beach Cleaning
- Surveillance of Plastic Use
- Rider Safety Training
- Induction Program:
- During the Induction Program and other activities throughout the year, students are introduced to values, rights, duties, and responsibilities as citizens of India. They are made aware of the code of ethics, human values, and their role in upholding the constitutional principles.
- Gandhi Jayanti
- Fit India Movement
- Vaccination Drive

File Description	Documents
Details of activities that inculcate values; necessary to render students in to 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 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**

**4. Annual awareness programmes on Code of Conduct are organized**

**A. All of the above**

File Description	Documents
Code of ethics policy document	<a href="#">View File</a>
Details of the monitoring committee composition and minutes of the committee meeting, number of programmes organized, reports on the various programs 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**

**Institution celebrates / organizes national and international commemorative days, events and festivals. The list of events is as follows:**

**Commemorative Days and Events:**

- Tree Plantation
- Kalasparsh
- Vaccination Drive
- Gandhi Jayanti
- National Youth Day
- National Girl Child Day
- Chhatrapati Shivaji Maharaj Jayanti



- Independence and Republic Day
- International Women's Day

**Festivals and Special Events:**

- Vigilance Awareness
- Beach Cleaning
- Surveillance of Plastic Use
- Rider Safety Training
- Induction Program:
- Fit India Movement
- Sadak Suraksha Motorcycle Rally
- Mega Donation Camp

<https://docs.google.com/spreadsheets/d/1IC2l9GrOUEt5IwAPAwYI3XnUZ3Ww86G1/edit?usp=sharing&oid=117923361549712447649&rtpof=true&sd=true>

File Description	Documents
Annual report of the celebrations and commemorative events for the last (During the year)	<a href="#">View File</a>
Geo tagged photographs of some of the events	No File Uploaded
Any other relevant information	No File Uploaded

**7.2 - Best Practices**

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

**Best Practice I**

**Imbibing professionalism through Industrial exposure in students(technical)**

**Metamorphosis from budding engineer to a career professional is possible only when we embed industrial exposure to their**

journey. University syllabi are devised to keep balance with latest technology and basic concepts of the subjects but by the time students graduates, the technology learnt in the curriculum is outdated. This motivates us to be associated with industry. A student may have good technical knowledge but would lack in communication skills / teamwork culture /professional ethics. Hence efforts are needed to enhance both these skill sets. Institute provides opportunities in terms of Guest lectures/ Talks Sessions /Seminars & workshops /Alumni talks /Tech talks /Summer Internship Programs and industrial visits.

## Best Practice II

### Soft skill enhancement

Institute has various committees who organize following activities:

- Induction program: physical fitness & universal human values.
- Literati Club: Kavi Sammelan, International Mother Language Day, Marathi Bhasha Diwas, LitFest'22: Spelling Bee, Unscripted - The Extempore Competition, Love Letter Writing, Look into the Book, Choose your Anime, Literature Quiz, Writing Prompt, Dialogue Writing, Faceoff 9.0:Inter-departmental Debate Competition.
- NSS: Societal need & awareness activities
- Sports Committee: Overarm Cricket, Football, Basketball, Volleyball, and Badminton
- Students' Council: Teacher's Day, FE Orientation, Zeal, Farewell.

File Description	Documents
Best practices in the Institutional web site	<a href="#">View File</a>
Any other relevant information	No File Uploaded

### 7.3 - Institutional Distinctiveness

7.3.1 - Portray the performance of the Institution in one area distinctive to its priority and thrust within 200 words

#### Student Centric Activities:

- Skill enhancement and leadership qualities: Skill and leadership qualities are imbibed in the students through various activities are conducted for students and activities of student bodies and chapters like level Project show-case, Hackathon, Product show-case.
- Research & Industry readiness: Students are motivated to under-take research-oriented projects. Various activities conducted to give industry exposure.
- Social/Moral and Ethical values: VCET has its own team of NSS, UDAAN, which conducts various community service activities and programs.
- Employability/Entrepreneurship: The Institute has a Placement and Training Cell which facilitates support students on all aspects of career planning. The entrepreneurship cell of the Institute 'E-Cell' fosters entrepreneurship by conducting various activities.

#### Faculty Centric Activities:

- Enhanced Teaching Learning: Faculty members are encouraged and equipped with resources and modern tools. Some of them tools used by the faculty include:
  - NPTEL/Youtube Videos
  - Course web pages
  - E-books
  - Digital library
  - Google classroom
  - Flipped Classroom
- Research and consultancy: Faculty are motivated to carry out research activities, consultancy work. Funds are provided to attend STTPs, conferences.
- Professional development: Schemes such as research

promotion, IPR support, reimbursement of fee, support for higher education, training programs.

File Description	Documents
Appropriate web in the Institutional website	<a href="#">View File</a>
Any other relevant information	No File Uploaded

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

Additional workshops, guest lectures and student development programmes will be organised to familiarise students with knowledge and applications in upcoming areas.

Invited talks on these skill sets will be organized in the area of aptitude, HR skills, technical vertex, as well as interpersonal skills and soft skills

Guidance sessions will be organised for updating the faculty regarding pedagogy, innovation in teaching, and outcome-based education.

Faculty and students should carry forward research in the chosen vertex. Faculty members will be encouraged to do research and publish it with reputed publishing house.

Research Centre shall be established to provide infrastructure and environment to nurture research in upcoming areas

More number of faculty shall be promoted to pursue PhD in the relevant and upcoming areas.

Planning for infrastructure excellence and upgrading computing facilities are required to meet the requirements of upcoming areas in computer and IT.

Internships, workshops, and training programmes shall be organised to ensure optimum utilisation of centre of excellence infrastructure and improving the skill sets of the students.

Efforts shall be made to increase industry-institute interaction through collaborated projects, faculty training, and student internships.

Development of laboratory infrastructure to fulfil the requirement of the newly introduced disciplines shall be undertaken.