YEARLY STATUS REPORT - 2021-2022

Part A

Data of the Institution

1. Name of the Institution	**Vasavi College of Engineering (Autonomous)**
• Name of the Head of the institution	**Prof. Dr. S. V. Ramana**
• Designation	**Principal**
• Does the institution function from its own campus?	**Yes**
• Phone No. of the Principal	**04023146002**
• Alternate phone No.	**06281979737**
• Mobile No. (Principal)	**09848044843**
• Registered e-mail ID (Principal)	**principal@staff.vce.ac.in**
• Address	**Door No. 9-5-81, Near Taramathi Baradari, IBRAHIMBAGH, Hyderabad - 500031**
• City/Town	**Hyderabad**
• State/UT	**Telangana**
• Pin Code	**500031**

2. Institutional status

• Autonomous Status (Provide the date of conferment of Autonomy)	**19/06/2014**
• Type of Institution	**Co-education**
• Location	**Urban**

- Financial Status   **Self-financing**

- Name of the IQAC Co-ordinator/Director   **Prof. A.S.Sai Prasad**

- Phone No.   **04023146099**

- Mobile No: **09959418896**

- IQAC e-mail ID   **iqac@staff.vce.ac.in**

3.Website address (Web link of the AQAR (Previous Academic Year)   https://vce.ac.in/IQAC/downloads/AQAR_2020-2021.pdf

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

- if yes, whether it is uploaded in the Institutional website Web link: https://www.vce.ac.in/Academics/Downloads/Almanac/2021-22/Almanac_2021-22.pdf

5.Accreditation Details

Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
Cycle 1	**A++**	**3.51**	**2021**	**02/02/2021**	**01/02/2026**

6.Date of Establishment of IQAC   **08/10/2015**

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

Institution/ Department/Faculty/School	Scheme	Funding Agency	Year of Award with Duration	Amount
Nil	**Nil**	**Nil**	**Nil**	**Nil**

8.Provide details regarding the composition of the IQAC:

- Upload the latest notification regarding the composition of the IQAC by the HEI   View File

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

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

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

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

- If yes, mention the amount

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

`1. Conducted FDP on OBE for the faculty by E&ICT, NIT Warangal . 2. Taken measures to improve NIRF ranking: - Total publications by the faculty in Conferences and Journals increased from 180 in AY:2020-21 to 217 in AY:2021-22. - Tapped sponsored research grants from the Government/Private funding organizations. - Filing of patents by the faculty. 3. Introduced a course on "Data Structures and Algorithm" for Civil, Mechanical, EEE and ECE programmes for improving employability/placements. 4. Introduced course on "Design thinking" as an open elective to enhance creative thinking and learning among the students. 5. Conducted Hackthons to improve experiential learning among students. The Departments of ECE, CSE and IT each won first prize in Smart India Hackathon(SIH-2022) conducted at National level by AICTE & MHRD.`

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

Plan of Action	Achievements/Outcomes
Facilitating B.E-VIII Semester Students to do internship/project outside Hyderabad by conducting their Classwork in online mode.	The classwork for B.E. VIII semester is being conducted through online mode with effect from the academic year 2021-22. Due to this 308 number of students who have got internships have been benefited by attending online classes.
Introduction of Data Structures and Algorithms for B.E Civil, ECE, EEE & Mechanical Engineering students.	Introduced data structures and algorithms for Civil, ECE, EEE & Mechanical students during odd semester for B.E.III year and during even semester for B.E. II year from the academic year 2021-22. Due to this the percentage of placements and average pay package has been improved.
Conduct of career guidance sessions by Experts.	Conducted career guidance sessions for B.E – III year students in the year 2021-22 by experts and the students were able to set their career goals.
Introducing of Alternate Assessment methods.	The Alternative Assessment Tests (AATs) Viz., Case Studies, Group Presentations on Applicative Aspects/ Emerging Technologies related to the course / Term paper, Micro-Projects in identified/ selected courses have been implemented by the departments with effect from the academic year 2021-22. Due to this students are able to enhance their learning skills.
Giving flexibility to faculty to enhance the percentage of questions with higher-order BTL in CIE and SEE assessment.	Faculty were given with the flexibility to enhance the percentage of questions with higher-order BTL in CIE and SEE assessment. Which resulted in the improvement of the knowledge

	levels and problem solving capabilities of the students.
Conduct of Workshops on IPR.	Conducted "AICTE-MIC-KAPILA- IPR Awareness Program" On 29 July 2022. Which motivated the faculty to publish more number of patents during 2021-22.
Renovate the washrooms.	Washrooms have been renovated in phased manner during 2021-22
Encourage faculty to organize/attend FDPs/Workshops/ International Conferences.	FDPs/Workshops on the following advanced/emerging topics were conducted by various departments during 2021-22. International conferences were organized.
Organize OBE awareness programs for staff and students to promote quality of teaching&learning	OBE workshop was conducted in collaboration with NIT Warangal during June 2022.

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

- Name of the statutory body

Name of the statutory body	Date of meeting(s)
Board of Governors	24/12/2022

14.Was the institutional data submitted to AISHE ?   Yes

- Year

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- Name of the statutory body

Name of the statutory body	Date of meeting(s)
Board of Governors	24/12/2022

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

- Year

Year	Date of Submission
2021-22	07/01/2023

15.Multidisciplinary / interdisciplinary

National Education Policy (NEP) -2020 focuses on key reforms in higher education that prepare the next generation to thrive and compete in the new digital age and focuses on five pillars: Affordability, Accessibility, Quality, Equity, and Accountability – to ensure continual learning. It also focuses on interdisciplinary and multidisciplinary academic programs.

College has introduced multidisciplinary/interdisciplinary courses for the students through open elective courses and projects.

However, the college is awaiting guidelines on the implementation of NEP, from the affiliating University i.e. Osmania University and the Government of Telangana . The college will follow the guidelines, as and when issued by the Osmania University and the state government.

16.Academic bank of credits (ABC):

National Education Policy (NEP) -2020 focuses on key reforms in higher education that prepare the next generation to thrive and compete in the new digital age and focuses on five pillars: Affordability, Accessibility, Quality, Equity, and Accountability – to ensure continual learning. It also focuses on interdisciplinary and multidisciplinary academic programs.

In this regard, the college is awaiting guidelines on the implementation of NEP, from the affiliating University i.e. Osmania University and the Government of Telangana . The college will follow the guidelines, as and when issued by the Osmania University and the state government.

17.Skill development:

National Education Policy (NEP) -2020 focuses on key reforms in higher education that prepare the next generation to thrive and compete in the new digital age and focuses on five pillars: Affordability, Accessibility, Quality, Equity, and Accountability – to ensure continual learning. It also focuses on interdisciplinary and multidisciplinary academic programs.

The Institution provides well-structured skill training programs for students of all branches of B.E, and M.E./M.Tech, beginning from their initial semesters itself, which helps them learn progressively.

English language and communication skill course is part of the

curriculum, in I and II Semesters. Additionally, the students also undergo 56 hours of training in III Semester and 56 hours of training in IV semester, to enhance the LSRW skills (Listening, Speaking, Reading and Writing).

Furthermore, during the V and VI semesters, training is imparted on soft-skills such as Quantitative, Logical, Aptitude, Verbal, Reasoning to mention a few.

The Institution also started Technical Skills Training programs and embedded it into the curriculum, for the students.

The CRT (Campus Recruitment Training) program is conducted for the students during the summer vacation between VI and VII semesters. This program includes 140 hours of training in communication and aptitude skills.

However, the college is awaiting guidelines on the implementation of NEP, from the affiliating University i.e. Osmania University and the Government of Telangana . The college will follow the guidelines, as and when issued by the Osmania University and the state government.

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

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

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The Institute adopted Outcome Based Education (OBE) to impart education through student centric approach and follow outcome oriented teaching learning process. Course Outcomes, Program Outcomes and Program Specific Outcomes are the key components of OBE.

CO Attainmentis computed using Continuous Internal Evaluation(CIE- Internal examinations, Assignments, Quiz) and Semester End Examinations(SEE)

Questions given in the various assessment tools are mapped to corresponding COs as indicated in the question paper. Every course must set the CO attainment levels using the set threshold. Three attainment levels are defined as

Level3: >=60% students scoring >=60% marks

Level2: >=50% to =60% marks

Level1: =60% marks

The process of evaluating CO and PO attainmnet has been revised fromthe batch of students admitted in 2021-22 Academic year. In addition to the direct assessment tools (SEE, CIE), Course End Survey is also considered as indirect assessment tool to compute CO attainment.

Direct CO Attainment = 30% of Internal Examination + 5% of Assignments + 5% of Quizzes +60% of SEE

Overall CO attainment= 80% Direct CO attainment + 20% Indirect CO attainment through course end survey

PO & PSO attainmentcomputation is done using direct & indirect assessment tools.

CIE, SEE, Rubrics for projects and seminars are the direct assessment tools. The COs are mapped to the POs and PSOs on the scale of 1 to 3. CO attainments and CO-PO, CO-PSO mappings are used to compute PO & PSO attainment.

Student Exit Survey, Alumni Survey, Employer Survey, Parent Survey, Extra-Curricular-Activities and Cocurricular-Activities are indirect assessment tools. The questions in the surveys are mapped to POs and PSOs on the scale of 1 to 3. The responses and the mappings are used to compute indirect attainment of PO & PSO.

PO& PSO attainment= 80% direct attainment+20% indirect attainment

However, the college is awaiting guidelines on the implementation of NEP, from the affiliating University i.e. Osmania University and the Government of Telangana . The college will follow the guidelines, as and when issued by the Osmania University and the state government.

20.Distance education/online education:

National Education Policy (NEP) -2020 focuses on key reforms in higher education that prepare the next generation to thrive and compete in the new digital age and focuses on five pillars: Affordability, Accessibility, Quality, Equity, and Accountability – to ensure continual learning. It also focuses on interdisciplinary and multidisciplinary academic programs.

The college has made it mandatory for the students to pursue a 8 - week NPTEL SWAYAM course to become eligible for the award of the degree besides providing the facility for credit transfer against NPTEL SWAYAM courses in lieu of certain professional elective courses during VII semester. Further, the classwork for B.E. VIII and ME/M.Tech III semester is being conducted through online mode with effect from the academic year 2021-22 for facilitating the students to do internship/project outside the college.

However, the college is awaiting guidelines on the implementation of NEP, from the affiliating University i.e. Osmania University and the Government of Telangana . The college will follow the guidelines, as and when issued by the Osmania University and the state government.

Extended Profile

1.Programme

1.1   **12**

Number of programmes offered during the year:

File Description	Documents
Institutional Data in Prescribed Format	[View File](#)

2.Student

2.1   **3263**

Total number of students during the year:

File Description	Documents
Institutional data in Prescribed format	View File

2.2   **699**

Number of outgoing / final year students during the year:

File Description	Documents
Institutional Data in Prescribed Format	View File

2.3   **3150**

Number of students who appeared for the examinations
conducted by the institution during the year:

File Description	Documents
Institutional Data in Prescribed Format	View File

3.Academic

3.1   **697**

Number of courses in all programmes during the year:

File Description	Documents
Institutional Data in Prescribed Format	View File

3.2   **164**

Number of full-time teachers during the year:

Extended Profile

1.Programme

1.1	**12**
Number of programmes offered during the year:	

File Description	Documents
Institutional Data in Prescribed Format	View File

2.Student

2.1	**3263**
Total number of students during the year:	

File Description	Documents
Institutional data in Prescribed format	View File

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File Description	Documents
Institutional Data in Prescribed Format	View File

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File Description	Documents
Institutional Data in Prescribed Format	View File

3.Academic

3.1	**697**
Number of courses in all programmes during the year:	

File Description	Documents
Institutional Data in Prescribed Format	View File

3.2 Number of full-time teachers during the year:	**164**

File Description	Documents
Institutional Data in Prescribed Format	<u>View File</u>

3.3 Number of sanctioned posts for the year:	**164**

4.Institution

4.1 Number of seats earmarked for reserved categories as per GOI/State Government during the year:	**398**
4.2 Total number of Classrooms and Seminar halls	**59**
4.3 Total number of computers on campus for academic purposes	**1308**
4.4 Total expenditure, excluding salary, during the year (INR in Lakhs):	**999.81**

Part B

CURRICULAR ASPECTS

1.1 - Curriculum Design and Development

1.1.1 - Curricula developed and implemented have relevance to the local, national, regional and global developmental needs which are reflected in Programme Outcomes (POs), Programme Specific Outcomes (PSOs) and Course Outcomes (COs) of the various Programmes offered by the Institution.

The curricula for the seven undergraduate engineering programs are based on the guidelines of AICTE and in tune with the vision and mission of the Institution. To produce competent engineers and to meet the needs of the industries like infrastructural development, manufacturing, information technology etc., the curriculum is developed with relevance to POs and PSOs. The curriculum consists of Humanities, Basic and Engineering

Sciences, Professional Core subjects, Open and Professional Electives, Skill Development courses, Theme Based Projects, Laboratory work and Project work. Students work as interns in industry on projects.

Students participate in technical and ideation contests under co-curricular activities. They also participate in extra-curricular and sports activities.

Conduct of laboratory work strengthens the students' practical understanding of theoretical concepts. Mini projects, Paper presentations enhance their conceptual knowledge communication and technical skills.

Training in Soft skills and Technical skills ensures life skills and better employability. To promote self-learning, students should passone online certification examination.

The Five post graduate engineering programs are designed with advanced core and elective courses focused on laboratory and research work. All of the aforementioned aspects are alsocovered in the curriculum of postgraduate courses.

Improved employability, placements, and gaining admission to higher education institutions in India and abroad are indicators of success of the curriculum.

File Description	Documents
Upload additional information, if any	[View File]()
Link for additional information	https://vce.ac.in/Downloads/UGC/UGC_Approvals.pdf

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

12

File Description	Documents
Minutes of relevant Academic Council/BOS meeting	[View File]()
Details of syllabus revision during the year	[View File]()
Any additional information	[View File]()

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

697

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

1.2 - Academic Flexibility

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

120

File Description	Documents
Minutes of relevant Academic Council/BoS meetings	View File
Any additional information	View File
Institutional data in prescribed format (Data Template)	View File

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

12

File Description	Documents
Minutes of relevant Academic Council/BoS meetings	View File
Any additional information	View File
List of Add on /Certificate programs (Data Template)	View File

1.3 - Curriculum Enrichment

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

In tune with its Vision, the college has introduced courses, namely, Human values and Professional Ethics, Environmental Science for all engineering programmes to address issues such as Gender Equality, Environment and Sustainability, and Human Values and Ethics.

Environment and Sustainability

It is a mandatory interdisciplinary course for all U.G. programs to instilawareness onenvironment and the importance for its sustainability.

Open Elective courses onEnvironment and its protection are offered to sensitize the students on issues related to conservation and sustainability. They include Spatial Information Technology in Geographical Information Systems, Disaster Management, Green Buildings, Non-conventional Energy Sources and Solar Power and Applications.

Under NSS Activity, the students are encouraged toparticipate in Haritha Haram (tree plantation), Swacch Bharat Abhiyan, Awareness of Renewable Energy Sources, and water conservation in nearby villages.

Gender Sensitization

Courses on Human values and professional ethics are offeredfor all B. E programs. These courses emphasize on human values and holistic understanding of ethical human conduct. They also include issues related to the dignity of women at home and in the workplace. Discussions, debates and guest lectures pertaining to gender sensitization are organized. An exclusive committee of women faculty and female students is functioning related to gender equality issues.

File Description	Documents
Upload the list and description of the courses which address issues related to Gender, Environment and Sustainability, Human Values and Professional Ethics in the curriculum	View File
Any additional information	View File

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

`08`

File Description	Documents
List of value-added courses	View File
Brochure or any other document relating to value-added courses	View File
Any additional information	View File

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

`983`

File Description	Documents
List of students enrolled	View File
Any additional information	View File

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

`2246`

File Description	Documents
List of programmes and number of students undertaking field projects / internships / student projects	View File
Any additional information	View File

1.4 - Feedback System

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

File Description	Documents
Provide the URL for stakeholders' feedback report	https://www.vce.ac.in/Feedback/Feedback_Formats.cshtml
Upload the Action Taken Report of the feedback as recorded by the Governing Council / Syndicate / Board of Management	View File
Any additional information	View File

1.4.2 - The feedback system of the Institution comprises the following	A. Feedback collected, analysed and action taken made available on the website

File Description	Documents
Provide URL for stakeholders' feedback report	https://www.vce.ac.in/Feedback/Feedback_ATR.cshtml
Any additional information	View File

TEACHING-LEARNING AND EVALUATION

2.1 - Student Enrollment and Profile

2.1.1 - Enrolment of Students

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

943

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

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

395

File Description	Documents
Any additional information	View File
Number of seats filled against seats reserved (Data Template)	View File

2.2 - Catering to Student Diversity

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

The students admitted into this institution are from diverse backgrounds, with disparate levels of knowledge and skills, hence their learning needs are different. After four weeks of commencement of the class work, for first semester students , a pre-assessment test is conducted to assess the learning levels of the fresh undergraduate students. Based on their proficiency and competency levels the students are given assistance. From IIsemester onwards slow learners are identified based on I-Internal marks and backlog history.

Assisting slow learners

Remedial classes are conducted

Student Counsellor: The learners are counselled by the in-house student counsellor.

Equity Action Plan(EAP) : Financial and other assistance is provided to facilitate the learning process.

Extra classes are conducted for students apperaing for supplementary exams to help them clear thier backlogs.

Skill development courses(Technical Skills) and Campus Recruitment Training(CRT): Apre-test is conducted, and based on the grades obtained the slow learners are given more practice sessions and exercises to work on.

Encouraging Advanced Learners

The Institution encourages students to participate in Hackathons / Design contests.

Advanced learners, from III to V semesters , are encouraged to take up internships in their semester break.

Best Academic Performance and Attendance Awards are presented to the top 3 students of each section. Gold medals are given, to outgoing students of each branch, based on their excellent performance in the course of study

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional information	[Nil](#)

2.2.2 - Student – Teacher (full-time) ratio

Year	Number of Students	Number of Teachers
01/09/2021	3263	164

File Description	Documents
Upload any additional information	[View File](#)

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:

Institute provides an effective platform for students to develop latest skills, knowledge, attitude, values to shape their behaviour in the correct manner. All departments conduct innovative programs which stimulate the creative ability of students, provide them a platform to nurture their problem-solving skills and ensure participative learning.

Faculty make efforts in making the learning activity more interactive by adopting the below-mentioned student-centric methods.

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

- Laboratory Sessions

- Summer Internship

- Mini-Projects,

- Theme-based projects

- Co-curricular activities

- Virtual Labs

Participatory Learning: In this type of learning, students participate in various activities such as

- Paper presentation

- Group Discussion/ Debate

- Acumen (Annual Tech Fest)

- Euphoria (Annual Cultural Fest)

- Seminar Presentation

- Presentation and publishing of papers in conferences and journals

- Innovative teaching methods such as Flipped Class room, Kahoot, Plickers, Mind Map and Pogil

Problem-solving methods: Departments encourage students to acquire and develop problem-solving skills by conducting events listed below.

- Assignments based on problems

- Quizzes

- Case studies

- Project based learning

- Participation in events such as Hackathons

File Description	Documents
Upload any additional information	[View File]
Link for additional Information	https://vce.ac.in/Departments/CSE/Innovative_teaching_process.cshtml

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

Provide link to the webpage describing ICT-enabled tools including online resources that are used for effective teaching and learning

The Classrooms and Laboratories are ICT enabled with projectors installed and the campus is enabled with high speed internet connection. The faculty uses various ICT enabled tools to enhance the quality of teaching-learning as given below

1. Microsoft Teams was used to conduct online classes and share course related information with the students such as Learning material, PPT, Assignments, Lab submissions and evaluations.

2. Lectures of all the courses were recorded and made available to the students through Microsoft Teams

3. Moodle platform was used for conducting online Internal tests and quizzes

4. Virtual labs were used to conduct online experiments.

5. Few laboratory experiments were conducted through remote login facility of the college

6. Tools like Kahoot, Google Quiz, Flipped Classroom were used to perform student centric activities.

7. Online Feedback was regularly taken from the students to improve the teaching-learning process.

8. To teach mathematical and science courses in online mode, teachers used tools like Microsoft Whiteboard, Pen-Tab and Tinker board

File Description	Documents
Provide link for webpage describing ICT enabled tools including online resources for effective teaching and learning process	https://moodle.vce.ac.in/
Upload any additional information	View File

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

2.3.3.1 - Number of mentors

157

File Description	Documents
Upload year-wise number of students enrolled and full-time teachers on roll	View File
Circulars with regard to assigning mentors to mentees	View File

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

Academic Calendar/ Almanac: At the beginning of every academic year, Director-Admission & Exam Branch (AEB) prepares an academic calendar. This is made available to the staff and students before the commencement of the class work. The academic calendar is displayed on all the department notice boards, and is also made available on the college web site. Based on the academic calendar, each department prepares a plan at the department level, which includes co-curricular activities and extra-curricular activities. This academic calendar is strictly adhered to, by the departments.

Teaching Plans: The faculty prepares a 'Course Plan' which gives the number of hours required to complete each unit. The 'Lesson Plans' are prepared which includes dates for each topic of a unit and the mode of teaching. The faculty prepares Course Teaching Objectives & Outcomes (CTOO) which includes objectives, Significance of the course, Applications and outcomes expected by the students to learn at the end of each unit.

Approved course plans and lesson plans are communicated to the students at the beginning of each semester. The topics covered,

on the given day as per the time-table is entered in the
attendance registers as 'Lecture Record'. Effective
implementation of the lesson plan and lecture record is reviewed
by the HoDs.

File Description	Documents
Upload the Academic Calendar and Teaching Plans during the year	View File

2.4 - Teacher Profile and Quality

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

164

File Description	Documents
Year-wise full-time teachers and sanctioned posts for the year	View File
List of the faculty members authenticated by the Head of HEI	View File
Any additional information	View File

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

57

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

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

2038

File Description	Documents
List of teachers including their PAN, designation, Department and details of their experience	View File
Any additional information	View File

2.5 - Evaluation Process and Reforms

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

8

File Description	Documents
List of Programmes and the date of last semester-end / year-end examinations and the date of declaration of result	View File
Any additional information	View File

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

3

File Description	Documents
Upload the number of complaints and total number of students who appeared for exams during the year	View File
Upload any additional information	View File

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

1.Open Book Examination:

As a pilot test from this academic year "Open Book Examination System" has been introduced for some selected courses in Mid-term Examinations. Question papers were set, and the examinees are allowed to use the text books (carried by the student) for taking the examinations.

This reform has made the examinees to go through lot of literature, to refer more number of books which improved student's reading and research habit.

2. Alternate assessment methods:

The following alternate assessment methods were introduced to evaluate the students for Assignment-3 as part of reforms to continuous internal evaluation.

1. Case Study
2. Micro-projects
3. Term paper

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional Information	Nil

2.6 - Student Performance and Learning Outcomes

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

The Institute adopted Outcome Based Education (OBE) in 2012 to impart education through student centric approach and follow outcome oriented teaching learning process. Course Outcomes, Program Outcomes and Program Specific Outcomes are the key components of OBE.

Course Outcomes (COs) are the "Statements of observable student actions that serve as evidence of the Knowledge, Skills and Attitudes acquired in a course". The course outcomes of each course are prepared by the course coordinator based on the feedback from the stakeholders and in-line with respective POs and PSOs.

Programme Outcomes (POs) represent the graduate attributes formulated as per Washington Accord and adopted by National Board of Accreditation.

Programme Specific Outcomes (PSOs) are specifically defined outcomes of the programme which the graduates have to acquire by the end of the programme.

Programme Outcomes (POs), Programme Specific Outcomes (PSOs), and Course Outcomes (COs) have been formulated for all the UG and PG programme.

COs, POs, PSOs of all the UG and PG Programmes have been communicated to all stakeholders through

Electronic Media:

· College Website

· Alumni Website

· Conference Website

· Student Group mail

Display Media:

· HoD Office

· Faculty Rooms

· Common Areas

· Laboratories

· Notice Borads

Print Media:

· Student book

· Syllabus books

· Lab manuals

· Department News letter

· Conference/Workshop brochures

· Conference Proceedings

· Course files

Interactions:

- **Board of Studies meeting**

- **Alumni Meet**

- **Induction Program**

- **Orientation Program for Lateral entry students**

- **Parent Teacher meeting**

File Description	Documents
Upload COs for all courses (exemplars from the Glossary)	[View File](#)
Upload any additional information	[View File](#)
Link for additional Information	https://vce.ac.in/

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

CO Attainmentis computed using Continuous Internal Evaluation(CIE- Internal examinations, Assignments, Quiz) and Semester End Examinations(SEE)

Questions given in the various assessment tools are mapped to corresponding COs as indicated in the question paper. Every course must set the CO attainment levels using the set threshold. Three attainment levels are defined as

Level3: >=60% students scoring >=60% marks

Level2: >=50% to <60% students scoring >=60% marks

Level1: <50% students scoring >=60% marks

The process of evaluating CO and PO attainmnet has been revised fromthe batch of students admitted in 2021-22 Academic year. In addition to the direct assessment tools (SEE, CIE), Course End Survey is also considered as indirect assessment tool to compute CO attainment.

Direct CO Attainment = 30% of Internal Examination + 5% of Assignments + 5% of Quizzes +60% of SEE

Overall CO attainment= 80% Direct CO attainment + 20% Indirect CO attainment through course end survey

PO & PSO attainmentcomputation is done using direct & indirect assessment tools.

CIE, SEE, Rubrics for projects and seminars are the direct assessment tools. The COs are mapped to the POs and PSOs on the scale of 1 to 3. CO attainments and CO-PO, CO-PSO mappings are used to compute PO & PSO attainment.

Student Exit Survey, Alumni Survey, Employer Survey, Parent Survey, Extra-Curricular-Activities and Cocurricular-Activities are indirect assessment tools. The questions in the surveys are mapped to POs and PSOs on the scale of 1 to 3. The responses and the mappings are used to compute indirect attainment of PO & PSO.

PO& PSO attainment= 80% direct attainment+20% indirect attainment

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional Information	https://vce.ac.in/Academics/Downloads/2021-22/PO_PSO_Attainments_2021-222.pdf

2.6.3 - Pass Percentage of students

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

686

File Description	Documents
Upload list of Programmes and number of students appear for and passed in the final year examinations	View File
Upload any additional information	View File
Paste link for the annual report	https://vce.ac.in/About/Annaul_Report.cshtml#

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://vce.ac.in/Feedback/downloads/surveys/Students-Satisfaction-Survey_2020-2021.pdf

RESEARCH, INNOVATIONS AND EXTENSION

3.1 - Promotion of Research and Facilities

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

In making our vision and mission a reality, Institution has a well defined policyto promote Research and Innovations of faculty and students and collaborate with industries for mutual benefit. The departments of EEE, ECE, CSE and Mechanical Engineering were recognized as research Centers by Osmania University.23 faculty members were recognized as research supervisors by the university and 110 research scholars have been pursuing their Ph.D in these research centers. The facilities in research centers and project laboratories are regularly updated. These include NI Labview , Vector signal generator and analyser in ECE, Industrial IoT lab in CSE, IBM Server in Deep learning lab,Semicron kits in EEE etc.The institute has sponsored research funding from agencies like DST, SERB etc., The institution has signed 28 functional MOUs for training the students and providing internships and project work to the students. The institution has a well-defined policy for promotion of research & consultancy activities. Original research work is ensured through well publicized plagiarism policy and TURNITIN software. The institute encourages the faculty to undertake research by providing seed money and access

```
to research centers, project laboratories and library
facilities. The institute provides financial support to faculty
toattendconferences for paper presentation and FDPs.
```

File Description	Documents
Upload the Minutes of the Governing Council/ Syndicate/Board of Management related to research promotion policy adoption	View File
Provide URL of policy document on promotion of research uploaded on the website	http://vcenetnew//Proceedings/Faculty Incentives_02112022.pdf
Any additional information	View File

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

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

```
62,92,231
```

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

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

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Nil
```

File Description	Documents
e-copies of the award letters of the teachers	View File
List of teachers and details of their international fellowship(s)	View File
Any additional information	View File

3.2 - Resource Mobilization for Research

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

56.65

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

3.2.2 - Number of teachers having research projects during the year

02

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://vce.ac.in/RnD/Sponsored_Research_RnD
List of research projects during the year	View File

3.2.3 - Number of teachers recognised as research guides

23

File Description	Documents
Upload copies of the letter of the university recognizing teachers as research guides	View File
Institutional data in Prescribed format	View File

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

02

File Description	Documents
Supporting document from Funding Agencies	View File
Paste link to funding agencies' website	https://dst.gov.in/, https://www.serbonline.in/SERB/serbPowerInstructions
Any additional information	View File

3.3 - Innovation Ecosystem

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

An Entrepreneurship Development Cell (ED Cell) was established in the year 2002 in our campus. ED Cell encourages students to participate in several entrepreneurship related workshops and competitions and organizes guest lectures, entrepreneurial talks by entrepreneurs and other related activities. Interested students join the ED cell by undergoing a selection process organized by our E-leaders and core team members of ED cell. The primary objective of the ED Cell is to motivate and guide young students for entrepreneurial development and educate them with information about the available opportunities, and the Government schemes for becoming successful entrepreneurs. The institution has been associated with prominent entrepreneurial networks like National Entrepreneurship Network (NEN), Wadhawani Foundation, The Technology Entrepreneurship Program (TEP) of Indian School of Business, The Indus Entrepreneurs (TiE), The Telangana Hub, etc.. Swayam, Our Institute has been awarded as the Top performing college by ISB in the technology Entrepreneurship program in the year 2018. The institution

organizes Ideation contest every year. outreach programs for skill development are conducted for the students in Government diploma and ITI colleges to transfer knowledge. The institute has an Incentive policy to encourage students for Entrepreneurship related activities. 18 Activities were conducted during the academic year-2021-22.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://vce.ac.in/CampusLife/Swayam.cshtml

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

18

File Description	Documents
Report of the events	View File
List of workshops/seminars conducted during the year	View File
Any additional information	View File

3.4 - Research Publications and Awards

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

File Description	Documents
Code of Ethics for Research, Research Advisory Committee and Ethics Committee constitution and list of members of these committees, software used for plagiarism check	View File
Any additional information	View File

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

3.4.2.1 - Number of PhD students registered during the year

110

File Description	Documents
URL to the research page on HEI website	https://vce.ac.in/RnD/Academic_Research_R F_RnD
List of PhD scholars and details like name of the guide, title of thesis, and year of registration	View File
Any additional information	View File

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

111

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

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

106

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://vce.ac.in/RnD/Publications_RND

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

3.4.5.1 - Total number of Citations in Scopus during the year

15

File Description	Documents
Any additional information	View File
Bibliometrics of the publications during the year	View File

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

3.4.6.1 - h-index of Scopus during the year

356

File Description	Documents
Bibiliometrics of publications based on Scopus/ Web of Science - h-index of the Institution	View File
Any additional information	View File

3.5 - Consultancy

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

5,61,737

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

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

0

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

3.6 - Extension Activities

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

Students take up extension activities to fulfill the aspirations of Vision and Mission statements of the institution. Students are encouraged to participate in extension activities with NSS, clubs and societies to sensitize them to social issues as part of their holistic development. A technical fest 'Acumen' is conducted every year. The activities of the departments are show cased for society's benefit under "Inspire and Ignite". Students are trained in developing science models to display during the fest. Students participate in curricular, co-curricular and extra-curricular activities. An active NSS Unit organizes

activities like keeping the college clean and green, community service through street plays to educate people on health, hygiene and cleanliness, blood donation camps etc. Students feel a sense of responsibility to give back to society. They also conduct special camps in adopted villages, service to orphanages, tree plantation, yoga classes, and flood relief camps. These programs develop responsibility, integrity and human values. Our students participate in cleaning lakes in nearby village as part of Swatch Bharat. Credit courses are offered on Human values and Professional ethics as well as Environmental studies.COVID-19 Vaccination drive has been organized by the Institute in collaboration with Government of Telangana.

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional information	https://vce.ac.in/NSS/ABout_NSS.cshtml

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

1

File Description	Documents
Number of awards for extension activities in during the year	[View File](#)
e-copy of the award letters	[View File](#)
Any additional information	[View File](#)

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

08

File Description	Documents
Reports of the events organized	[View File](#)
Any additional information	[View File](#)

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

4040

File Description	Documents
Reports of the events	View File
Any additional information	View File

3.7 - Collaboration

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

93

File Description	Documents
Copies of documents highlighting collaboration	View File
Any additional information	View File

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

28

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

INFRASTRUCTURE AND LEARNING RESOURCES

4.1 - Physical Facilities

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

Vasavi College of Engineering has a beautiful landscape, eco-

friendly campus, spacious classrooms, well equipped laboratories and excellent infrastructure spread over 12.7 acres.

Classrooms

Classrooms are well-furnished, spacious and well ventilated to fulfil the norms of proper visibility and audibility. They are provided with LCD projectors, LAN / Wi-Fi connectivity. Five classrooms in various departments have digital boards to aid the teaching learning process.

Laboratories

The Institution has domain specific laboratories and project labs as per the regulations of AICTE and Osmania University, with safety measures.

Seminar Halls

The college has four seminar halls and one conference hall in the academic blocks to conduct seminars, conferences, guest lectures, and workshops for students and faculty. They are equipped with LCD projectors, whiteboards, raised platforms and public address system with internet facility.

Mini auditorium

The college has a mini auditorium equipped with two LCD projectors and two screens, audio systems, white boards and with Internet connectivity for conducting seminars, conferences, guest lectures, workshops, Hackathons etc,. for larger audience.

Computing Equipment

The institution has 1869 computers. Every department has computer labs for conducting programming & simulation experiments. Teachers are provided with desktops having internet connectivity.

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional information	https://vce.ac.in/About/College/College_Video.cshtml

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

Sports Facilities

College has adequate facilities to conduct both indoor and outdoor games. Indoor games such as caroms, chess and table tennis are organized in rooms with an area of 188 sq.m. Outdoor games such as volley ball, basket ball, cricket etc. are organized outdoor in grounds spread over an area of 17190 sq.m. Students have bagged prizes in intra-college, intercollege and university competitions.

Mini Auditorium

The college has a mini auditorium of 217 sq.m. with the required infrastructure.It has a public address system and two LCD projectors. It has a seating capacity for 300 people.The auditorium is used to organize guest lectures, conduct events on occasions such as engineers' day, teachers' day, branch specific programs etc.

Seminar Hall

The college also has a seminar hall of 135 sq.m with 150 seating capacity which is used to conduct cultural activities such as dance and singing activities. The hall is also equipped with LCD projector, and public address system with internet facility.

File Description	Documents
Geotagged pictures	View File
Upload any additional information	View File
Paste link for additional information	https://vce.ac.in/Facilities/GamesnSports/About_GamesnSports.cshtml

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

59

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

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

343.91

File Description	Documents
Upload audited utilization statements	View File
Details of Expenditure, excluding salary, during the years	View File
Any additional information	View File

4.2 - Library as a Learning Resource

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

Year : 2021-22

Name of the Integrated Library Management System (ILMS): SOUL (Software for University Library

Nature of Automation (Fully or Partially) : Fully Automation

Version : 3.0

Year of Automation: 2011

Software for University Libraries (SOUL) is a state-of-the-art and user - friendly integrated library management software designed and developed by the INFLIBNET CENTRE fulfilling the requirements of college and university libraries working under client-server environment. The software is suitable for all bibliographic formats, networking and circulation protocols.

Some of the features of SOUL

- **SOUL Software Supports more than 150 languages in both Indian and foreign.**
- **Integrated with high standards cataloguing codes such as CCF, AACR2, MARC21, MARCXML&ISO-2709.**
- **Copy Cataloguing: Import the catalogue from the Library of congress online catalogue and other online catalogues.**
- **Additional information of book can be attached**
- **Generates barcodes along with Call Number**
- **Generates reports in various formats**
- **Highly versatile and user friendly OPAC**

Following are the modules used in SOUL software:

- **Catalogue**
- **Circulation**
- **Administration**
- **OPAC**
- **Member login/logout**

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional information	https://vce.ac.in/Facilities/Library/About_Library.cshtml

4.2.2 - Institution has access to the following: e-journals e-ShodhSindhu Shodhganga Membership e-books Databases Remote access to e-resources	**A. Any 4 or more of the above**

File Description	Documents
Details of subscriptions like e-journals, e-books, e-ShodhSindhu, Shodhganga membership	[View File](#)
Upload any additional information	[View File](#)

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

32.426

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

4.2.4 - Usage of library by teachers and students (footfalls and login data for online access)

4.2.4.1 - Number of teachers and students using the library per day during the year

632

File Description	Documents
Upload details of library usage by teachers and students	View File
Any additional information	View File

4.3 - IT Infrastructure

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

The college procured additional 300 systems in the year 2021-22 which adds up to a total of 1869 systems. All these systems are connected with high-speed campus-wide network. Labs with PC's in all the departments give ready access to computing resources, services software and applications providing specific teaching / learning needs of the department.

College has internet Facility with two leased lines, one from BSNL with 200Mbps and other from Pioneer Elabs with 200Mbps. The College also has 1Gbps Broadband from ACT Fiber and has provided Wi-Fi access points at various locations in the campus. The Internet Gateway comprising of a Web Server, Symantec Protection suite Enterprise Edition 14.1, Firewall protection through Fortigate 500E UTM, Fortianalyzer 200F, CISCO switch and other networking components have been provided for an efficient and secure LAN.

The Main Computer Centre has multiple servers namely: Windows server, Linux server, CAD/CAE server, Oracle database server,

LMS server (Moodle), IBM Deep Learning Server, NPTEL Server and SOUL Server. All the servers can be accessed across the campus through LAN.

The details of major IT facilities updated in the academic year 2021 - 2022 are enclosed in the attachment.

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional information	https://vce.ac.in/Facilities/CC/About_CC.cshtml

4.3.2 - Student - Computer ratio

Number of Students	Number of Computers
3249	**1145**

File Description	Documents
Upload any additional information	[View File](#)

4.3.3 - Bandwidth of internet connection in the Institution and the number of students on campus	**A. ?50 Mbps**

File Description	Documents
Details of bandwidth available in the Institution	[View File](#)
Upload any additional information	**No File Uploaded**

4.3.4 - Institution has facilities for e-content development: Facilities available for e-content development Media Centre Audio-Visual Centre Lecture Capturing System (LCS) Mixing equipments and software for editing	**E. None of the above**

File Description	Documents
Upload any additional information	**No File Uploaded**
Paste link for additional information	**Nil**
List of facilities for e-content development (Data Template)	**No File Uploaded**

4.4 - Maintenance of Campus Infrastructure

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

855.52

File Description	Documents
Audited statements of accounts	[View File]()
Upload any additional information	[View File]()

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

The college has qualified and skilled manpower for maintenance and upkeep of laboratories, classrooms, workshops, conference and seminar halls, sports & games rooms and restrooms.Air Conditioners, UPS, Electrical Generators, Elevators, Firefighting equipment, sewerage treatment plant are under Annual Maintenance Contract (AMC) with the required budget provision. The Facilities Manager oversees these support facilities.

The Computer centre has skilled man power to oversee maintenance, replacement, repair of computers, hardware upgradation, software installation, Wi-Fi and LCD maintenance etc,. Allapplication softwares are renewed/upgraded through AMCs.

The concerned departments have a policy of calibrating the lab equipment on a regular basis.

The Library regularly adds new titles and volumes based on the requirement of the faculty and the students. It also subscribes

annually to online E- journals, print journals and magazines.

Other services/facilities on the campus include :

- **Cafeteria facility**
- **Banking/ATM facility**
- **Stationary and Reprographic facilities**
- **Transport facilities**
- **Fully equipped medical centre with an Ambulance**

The college has 275kW roof top solar power plant catering to 72.51% power requirements. It is also connected to the grid.

During the pandemic situation in 2021-22, all the academic and other facilities were regularly sanitized for safe conduct of class work, lab practicals and examinations.

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional information	https://vce.ac.in/Facilities/Maintenance_Cell.cshtml

STUDENT SUPPORT AND PROGRESSION

5.1 - Student Support

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

1894

File Description	Documents
Upload self-attested letters with the list of students receiving scholarships	[View File](#)
Upload any additional information	[View File](#)

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

2341

File Description	Documents
Upload any additional information	View File
Institutional data in prescribed format	View File

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

File Description	Documents
Link to Institutional website	https://vce.ac.in/Placements/Downloads/Capacity_Development_and_Skill_Enhancement_2021-2022.pdf
Details of capability development and schemes	View File
Any additional information	View File

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

3167

File Description	Documents
Any additional information	View File
Number of students benefited by guidance for competitive examinations and career counseling during the year (Data Template)	View File

5.1.5 - The institution adopts the following mechanism for redressal of students' grievances, including sexual harassment and ragging: Implementation of guidelines of statutory/regulatory bodies Creating awareness and implementation of policies with zero tolerance Mechanism for	A. All of the above

submission of online/offline students' grievances Timely redressal of grievances through appropriate committees	

File Description	Documents
Minutes of the meetings of students' grievance redressal committee, prevention of sexual harassment committee and Anti-ragging committee	View File
Details of student grievances including sexual harassment and ragging cases	View File
Upload any additional information	View File

5.2 - Student Progression

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

561

File Description	Documents
Self-attested list of students placed	View File
Upload any additional information	View File

5.2.2 - Number of outgoing students progressing to higher education

39

File Description	Documents
Upload supporting data for students/alumni	View File
Details of students who went for higher education	View File
Any additional information	View File

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

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

government examinations) during the year

75

File Description	Documents
Upload supporting data for students/alumni	View File
Any additional information	View File

5.3 - Student Participation and Activities

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

6

File Description	Documents
e-copies of award letters and certificates	View File
Any additional information	View File

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

Describe the Student Council's activities and students' role in academic and administrative bodies/committees (within a maximum of 200 words)

The following committees consist of student representatives to promote value based education through active participation in academic, and other related activities.

Class Review Committee

This committee consists of Management Representative, Principal, Head of the respective department, and four students from each section of the programme, with more than 75% attendance and varying levels of academic record/performance representing slow, average and fast learners. This committee meets once in a semester to discuss the teaching-learning methodology, faculty performance and innovative teaching practices.

Library Committee

This committee consists of the Principal, HoDs, Faculty, Librarian and student from every section. It meets once a semester to discuss and upgrade library facilities.

Anti-Ragging Committee

This committee consists of staff, two senior students from each department and external members. They spread awareness on Anti-Ragging by displaying posters and also collect undertakings from students and their parents.

Canteen Committee

The committee of Under-Graduate and Post-Graduate students and other faculty members meet periodically to check the quality of food and hygiene in the canteen.

Internal Quality Assurance Committee

IQAC committee consisting of HODs, faculty, students and members from Industry ensures academic and administrative excellence through implementing strategies and suggestions given for continuous improvement of quality education.

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional information	https://vce.ac.in/Academics/Commitees/Admissions_Committee.cshtml

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

22

File Description	Documents
Report of the event	View File
List of sports and cultural events / competitions organised per year	View File
Upload any additional information	View File

5.4 - Alumni Engagement

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

VCEAA:

Vasavi College of Engineering Alumni Association [VCEAA] is a registered forum connecting students with their almamater to reminisce and share experiences.

VASAVI COLLEGE OF ENGINEERING The interface between alumni, staff and students helps in, exchanging skills and experience, conducting seminars, workshops and guest lectures, promoting social and cultural activities, acquiring scholarships for meritorious students, and granting financial aid to deserving students.

The various contributions by the alumni are:

Guest Lectures and Career Counselling

VCEAA encourages alumni to conduct technical lectures and career guidance sessions on latest technologies and share their success stories.

Institution of awards for meritorious students

Awards/Medals/Prizes are presented to outstanding students in their academics, project work, extracurricular activities and sports. Awards are given to students during Annual Cultural fest 'EUPHORIA'.

Scholarships

Needy and deserving students are given scholarships and other forms of financial assistance to help them in their academics.

Provide internships, projects and placements

VCEAA provides internships, encourages alumni to visit the college for campus placements, provides project assistance & employee referrals to our students and facilitates industrial visits thereby increasing students' employability.

File Description	Documents
Upload any additional information	**No File Uploaded**
Paste link for additional Information	https://www.vcealumni.org/

5.4.2 - Alumni's financial contribution during the year	**E. <2 Lakhs**

File Description	Documents
Upload any additional information	View File

GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 - Institutional Vision and Leadership

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

Vision and Mission Statements on the nature of governance:

Vision: Striving for a symbiosis of technological excellence and human values

Mission: To arm young brains with competitive technology and nurture holistic development of the individuals for a better tomorrow

Technological excellence and human values constitute the institution's vision. Competitive technology and holistic development of the individual are stressed. The teaching-learning process imparts competitive technology to students

through Basic Sciences, Humanities, Engineering Sciences, Professional Electives, Open Electives, Skill development courses, and Project work. Courses in Human Values and Professional Ethics inculcate qualities such ashonesty, integrity, empathy, equity, fairness, etc.

Perspective Plans:

The Strategic Plan for 2021-2025 is currently being implemented. Achieving higher academic standards, better placements, improved R&D, Industry-Institute Interaction, attract better human resources are key strategic factors.

The institute became autonomous in the year 2014 as part of its strategic plan 2010-2015.

Participation of the teachers in the decision-making bodies:

Faculty are represented on the Board of Governors, Academic Council, Board of Studies, IQAC, etc. Faculty are also represented as members of various other committees, viz., Anti Ragging, Grievances, and Redressal, Industry-Institute Interaction, etc.

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional Information	https://vce.ac.in/About/College/vision_mission_quality.cshtml

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

The Institute has more than 30 committees with different roles for effective implementation of the various academic and non-academic matters which is evident of decentralization and participative management.

Case study:

Department Committee: Faculty of each program are members of the committee.

The HoD is the committee's chairman who assigns courses to faculty based on their expertise and specialization. The committee ensures that the academic calendar is followed and academic discipline maintained at all levels in course content delivery, conduct of examinations, assessment, etc. The committee meets every month to review faculty's academic & non-academic roles.

The department committee assigns various academic and administrative responsibilities to faculty such as preparation of course curriculum, result analysis, planning of Co & Extra-curricular activities, activity planner, FDPs, guest lectures, current status of publications and their completion, completion of MOOCs courses, question paper auditing, faculty reviews, technical skill courses, open electives, project proposals, consultancy activities, procurement of equipment & software, R&D projects, CO-PO & PSO attainments, students' workshops, conducting seminars, question paper moderation for SEE, evaluation of SEE scripts, introduction of new experiments, review of the students' progress and students' paper presentations. These activities are reviewed periodically and reported to the program head.

File Description	Documents
Upload strategic plan and deployment documents on the website	View File
Upload any additional information	View File
Paste link for additional Information	https://vce.ac.in/Departments/MECH/Activity_Calendar_Mech.cshtml

6.2 - Strategy Development and Deployment

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

The following Goals of the Strategic Plan 2021-2025 are being implemented.

1. To establish better academic practices and procedures

2. To be a choice for good quality students and competent faculty

3. To produce technically competent and ethically strong graduates

4. To encourage Research & Consultancy

5. To develop a smart campus

Strategy 3

It includes strengthening of Skill Development Courses offered from 3rd semester onwards, and promoting Entrepreneurial Skills and Human Values & Professional Ethics, and Technical Skills Training from 5th semester.

Skill development courses were introduced to improve soft skills for placements. These were value-added courses, but now are credit courses. Technical skills' training was introduced in the third year. External resource persons in areas such as Basics and Advanced Programming skills, application packages for modelling and analysis, Building infrastructure management, IOT, etc., are training students.

To instil Moral, Social, and Ethical values in students, two courses on Human Values and Professional Ethics and Environmental Studies were introduced as credit courses for all programs emphasizing holistic understanding of ethical values.

File Description	Documents
Strategic Plan and deployment documents on the website	[View File]()
Paste link for additional information	https://vce.ac.in/Departments/MECH/MECH_Syllabus/2022-23/02_Syllabus_2022_23.pdf
Upload any additional information	[View File]()

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

Established in 1981 by the Vasavi Academy of Education (VAE), Vasavi College of Engineering offers UG and PG Programmes.

VAE has a Governing Body consisting of the President, Secretary, Treasurer and Members. Each Institute under VAE hasits own

Managing Committee.

The BOG is constituted as per UGC provisions. It consists of Chairman, UGC nominee, Nominees of Management, Members representing Academia, Industry, faculty, nominees of affiliating University and State government, with Principal as the Member Secretary.

Academic Council oversees policies and procedures regarding academic matters with Principal as the Chairman and HoDs & Senior faculty of the college, experts from premier Institutions, Industry representatives and University nominees as members.

The College Academic Committeemeets regularly for monitoring and implementation of policies.

Directors of Student Welfare, Academic and Admissions, Placement & Training and the Controller of Exams report to the Principal.

Functional heads for Finance, Administration, Learning Resource Centre, Computer Centre, Physical Education and Maintenance also report to the Principal.

Other 32 committees include: Anti-Ragging,Finance, Purchase,etc.

Administrative Manual includes employees duties, responsibilities, leave and conduct rules, recruitment process, etc.

A provision is available for stake holders to give their feedback/suggestions through on-line and suggestion boxes.

File Description	Documents
Paste link to Organogram on the institution webpage	https://vce.ac.in/About/Organogram.cshtml
Upload any additional information	View File
Paste link for additional Information	https://vce.ac.in/Academics/Commitees/Admissions_Committee.cshtml

6.2.3 - Implementation of e-governance in areas of operation: Administration Finance	A. All of the above

and Accounts Student Admission and Support Examination

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

6.3 - Faculty Empowerment Strategies

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

```
For Professional growth:

Academic leave with full pay for pursuing higher studies

Registration fee, Dearness allowance, travel grants for teaching
and non-teaching staff for attending various conferences,
workshops etc

Incentives for publications, sponsored research projects,
completing Ph.D, consultancy, patents etc

Permission to faculty to deliver guest lectures at other
institutes

Visits to industry and higher learning institutes for knowledge
acquisition

For non-teaching staff, academic leave is provided for writing
various examinations


Welfare measures:

Gratuity for both teaching and non-teaching staff

Earned leave, Half Pay leave/Medical leavefor both teaching and
non-teaching staff
```

Maternity leave for the women staff @120 days

Management contribution to Provident fund for both teaching and non-teaching staff

Extension of ESI benefits to non-teaching staff @4.5% of basic

Reimbursement of 50% premium for medical insurance for policy value up toRs. 50,000/- for the non-teaching staff.

Festival advance for non-teaching staff.

Automatic advancement scheme for Non-Teaching staff.

In-house skill development program for non-teaching staff is organized regularly

Emergency medical care and first-aid is available in the campus with one Nursing Assistant. Medicines are made available in the centre. An Ambulance with all facilities is available in the college round the clock.

ATM Facility in the campus and Availability of Bank for transactions within the campus.

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional information	https://vce.ac.in/Academics/Administrative_Manual.cshtml

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

69

File Description	Documents
Upload any additional information	[View File](#)
Details of teachers provided with financial support to attend conference, workshops etc during the year (Data Template)	[View File](#)

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

33

File Description	Documents
Reports of the Human Resource Development Centres (UGC HRDC/ASC or other relevant centres)	View File
Upload any additional information	View File

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

137

File Description	Documents
Summary of the IQAC report	View File
Reports of the Human Resource Development Centres (UGC ASC or other relevant centers)	View File
Upload any additional information	View File

6.4 - Financial Management and Resource Mobilization

6.4.1 - Institution conducts internal and external financial audits regularly

The Institute conducts both internal & external audit regularly. It has an Internal Audit Team that audits items of both Income & Expenditure. The internal auditor has been provided with Scope and Coverage of audit. The Team checks and verifies vouchers of all transactions every quarter and submits a report to the management on their findings.

In addition to the above, the Institute has also appointed an External Auditor who scrutinizes all the items of income and expenditure and submits a report on conclusion of the audit at the end of the financial year.

The details of audit carried out in the year 2021-22is furnished

as additional information.

The mechanism for resolving audit observations are given below:

The findings of the Auditors is referred to the Audit Committee of the Institute comprising of Sri V.M. Partha Sarathi, (Treasurer-VAE : Chairman), Sri K. Vasudeva Gupta(Member-VAE : Member) and Sri V. Jayasundar (Chief Finance Officer-VCE : Convener).

The Audit Committee thoroughly goes through the findings and submits its remarks/responses. The audit report with the response of the Audit Committee is reviewed by the Managing Committee of the Institute and the Governing Body of the Society.

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional information	https://vce.ac.in/downloads/Accounts/VCE_Financials_2021_22.pdf

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

Nil

File Description	Documents
Annual statements of accounts	[View File](#)
Details of funds / grants received from non-government bodies, individuals, philanthropists during the year	[View File](#)
Any additional information	[View File](#)

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

Mobilisation of Funds:

The financial resource for the Institute is tuition fee which is fixed by the Telangana Admissions and Fee Regulatory Committee once in three years, based on previous year's expenditure, impact of inflation during the next three years, furtherance

etc. The college furnishes the expenditure of the previous three years and projections for next three years to the State Fee Regulatory Committee. These include anticipated increase in salaries on account of DA revision, increments, retirement benefits, etc. The institute also submits estimates for capital expenditure. Resource mobilization therefore depends on fee fixation by TAFRC. Funds are also mobilized through Consultancy and other projects from government agencies such as AICTE, UGC, DST,etc. The Sponsoring Society extends financial support to the Institute based on need and ensures the availability of requisite funds.

Optimal utilisation of resources:

To ensure optimal utilization of resources, annual budget isprepared based on anticipated expenditure and estimates/requirements received from the departments and functional units. The budget proposals are reviewed by the Managing Committee and submitted to BOG for approval through finance committee. Expenditure analysis is carried out for every six months to monitor the income and expenditure of the institution. Monthly income and expenditure statements are prepared and audit is performed periodically to ensure optimal utilisation of the funds.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://vce.ac.in/RnD/policy_on_revenue_sharing.cshtml

6.5 - Internal Quality Assurance System

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

The following initiatives have been taken up by IQAC, after submission of 1st AQAR for the Academic year 2020-21.

1. Introduction of Open book test in certain identified courses.
2. Introduction of Linear and Non-Linear Data Structure

courses for Non-Circuit Branches

3. Faculty and students are encouraged to complete MOOCS – NPTEL Courses

4. Conduct of FDP's & Seminars on regular basis

5. To conduct/participate National level Hackthons and improve experiential learning, to enhance the teacher's interaction with industry and its practices. An MOU is made with IRISET by the Department of ECE and participated in the Kavach program organized by IRISET.

Two of the above practices are described below:

1. Introduction of Open book test in certain identified courses:

Open book tests were introduced in certain courses from the year 2021-22 as part of IQAC to discourage rote learning and promote higher-order thinking skills like analytical, critical, researching, decision-making, and creativity.

2. Introduction of Linear and Non-Linear Data Structure courses for Non-Circuit Branches

To enhance the employment skills in software companies for non-circuit branches of Mechanical and Civil Engineering Students in AY 2021-22, a structured training is introduced in Python, Linear and Non-Linear Data Structures.

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional information	https://vce.ac.in/Departments/Civil/Workshops_civil.cshtml

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

The institution regularly reviews the teaching-learning process and its outcomes through the following methods.

1.Course End Feedback

2. Student exit survey

3. Faculty reviews

4. Semester-end feedback

5.Students feedback (CRC)

1. Course-end feed back:

Course end feedback is collected by the concerned course faculty at the end of course delivery in each semester from all the students. These course end survey focuses on the content, coverage of syllabus, quality of teaching, meeting course objectives & outcomes, programme outcomes, motivation for further study and method of evaluation for each course.

Course end feedback and program exit feedback are collected from the students so as to improve upon the course content, its delivery mechanism and evaluation system.

2. Student Exit Survey:

Student Exit Survey is conducted regularly across all the branches of Engineering. Based on the suggestions given by the outgoing students, modifications in the curriculum, introduction of new courses, developments in infrastructure, and up-gradation of labs are done.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://vce.ac.in/IQAC/About_IQAC.cshtml

6.5.3 - Quality assurance initiatives of the institution include Regular meeting of the IQAC Feedback collected, analysed and used for improvement of the institution Collaborative quality initiatives with other institution(s) Participation in NIRF Any	A. Any 4 or all of the above

other quality audit recognized by state, national or international agencies (such as ISO Certification)	

File Description	Documents
Paste the web link of annual reports of the Institution	https://vce.ac.in/About/Annaul_Report.cshtml
Upload e-copies of accreditations and certification	View File
Upload details of quality assurance initiatives of the institution	View File
Upload any additional information	View File

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

Safety and Security

· **Main entrance, Examination halls, Canteen and Controller of examinations office have CCTV surveillance.**

· **Complaint and suggestion boxes are in every floor of all the academic blocks.**

· **Women Development Cell and Anti Sexual Harassment Committee for the safety and security of women and girl students.**

Counseling:

Ms.Rukmini Vedula is a professional student counselor. She counsels students on stress management, self-esteem issues, lack of motivation, time management, friendship issues, emotional issues, behavioral issues, adjustment issues, goal setting, etc. Lateral entry students are offered group counseling sessions to help them integrate with the mainstream students

Common Room :

Common rooms are available in each Academic block with tables, chairs, beds with linen, drinking water coolers and washrooms, exclusively for girl students and women employees. Sanitary towels are made available in the health centre. Sanitary Incinerators are installed in the rest rooms to promote hygiene.

Number of Gender Equity Programmes Conducted during the academic year 2021-22: 6 Programmes

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional Information	https://www.vce.ac.in/Academics/Commitees /Internal_Complaints_Committee.cshtml

7.1.2 - The Institution has facilities for alternate sources of energy and energy conservation: Solar energy Biogas plant Wheeling to the Grid Sensor-based energy conservation Use of LED bulbs/ power-efficient equipment	**A. Any 4 or All of the above**

File Description	Documents
Geotagged Photographs	[View File](#)
Any other relevant information	[View File](#)

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

• Solid Waste Management:

Adequate number of trash cans and dust bins are placed all over the campus to collect the solid waste and is disposed daily with the help of GHMC. Sanitary incinerators are installed; campaigns like Swachh Bharat, Clean & Green activities and plantation are conducted.

• Liquid Waste Management:

A Sewage Treatment Plant with a capacity of 50,000 litres installed in May 2010 treats liquid waste, used for gardening and saving potable groundwater. 24 rain harvesting pits are

channelized to recharge ground water level. Arrangements are made for collection of roof water.

· **E-Waste Management:**

The e-waste includes a wide range of electronic and electrical items such as computers, printers, keyboards etc. Electronic machines and goods are put to optimum use. The institute takes efforts to minimize e-waste by repairing the computer peripheral and electronic components.

E-waste generated from various departments which cannot be reused or recycled is being disposed off centrally through certified eco-friendly vendors. Instead of buying a new machine buyback option is taken for technology up gradation. Any damages or reductions in capacity are set right by repairs. In addition, the college has emphasis on minimum paper usage to save carbon emission in printers.

File Description	Documents
Relevant documents like agreements/MoUs with Government and other approved agencies	[View File](#)
Geotagged photographs of the facilities	[View File](#)
Any other relevant information	[View File](#)

7.1.4 - Water conservation facilities available in the Institution: Rain water harvesting Bore well /Open well recharge Construction of tanks and bunds Waste water recycling Maintenance of water bodies and distribution system in the campus	A. Any 4 or all of the above

File Description	Documents
Geotagged photographs / videos of the facilities	[View File](#)
Any other relevant information	[View File](#)

7.1.5 - Green campus initiatives include

7.1.5.1 - The institutional initiatives for greening the campus are as follows: 1. Restricted entry of automobiles 2. Use of bicycles/ Battery-powered vehicles 3. Pedestrian-friendly pathways 4. Ban on use of plastic 5. Landscaping	A. Any 4 or All of the above

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

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

7.1.6.1 - The institution's initiatives to preserve and improve the environment and harness energy 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	A. Any 4 or all of the above

File Description	Documents
Reports on environment and energy audits submitted by the auditing agency	View File
Certification by the auditing agency	View File
Certificates of the awards received	No File Uploaded
Any other relevant information	View File

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7.1.7 - The Institution has a disabled-friendly and barrier-free environment: Ramps/lifts for easy access to classrooms and centres Disabled-friendly washrooms Signage including tactile path lights, display boards and signposts Assistive technology and facilities for persons with disabilities: accessible website, screen-reading software, mechanized equipment, etc. Provision for enquiry and information: Human assistance, reader, scribe, soft copies of reading materials, screen reading, etc.	B. Any 3 of the above

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

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

College organizes events that promote communal and regional harmony. Commemorative days like Independence Day, Republic Day, Yoga Day, Womens' Day, the Batukamma Festival, Durga Pooja are celebrated with the motto of promoting communal, regional and cultural harmony. The students participate in various cultural events celebrating Traditional Day which culminates in Euphoria-the college cultural fest.

A basket of ten clubs is made available to students to exhibit their creative and literary talents. They develop their speaking and thinking skills adding to their literary milieu.

Under Equity Action Plan the college strives to provide equal opportunities to all students belonging to the disadvantaged and socio-economically weaker sections. They are supportedacademically & financially through various means.

The students are admitted as per the rules issued by the Government implementing the reservation policy for admission in Professional courses in Unaided Non-Minority Institutions. Reservations are provided for women, socio economically backward sections - BCs, SCs, STs & PH, CAP, NCC, sports and games. A 3-week Induction program is conducted to orient the newly admitted students towards professional courses. Students from J&K are also admitted under Prime Minster's Special Scholarship Scheme.

File Description	Documents
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	[View File](#)

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

To instill Moral, Social and Ethical values, the college has introduced two courses on Human Values and Professional Ethics as credit courses for all the students of B. E programs. These courses help students gain a worldview of the self, society and profession. It emphasizes on holistic understanding of ethical human conduct, trustand mutually satisfying human behavior.

The NSS unit of the institution undertakes the following activities:

- improving learning outcomes in Government Schools
- Organising Blood Donation Camps
- Conducting Medical awareness programs in the nearby villages
- Programs to promote National Integrity, Human values, Communal Harmony,
- Awareness programmes on various environmental hazards,Swachh Barath, Say no to Drugs, etc.
- Organised Covid-19 Vaccination drive in association with Telangana Health Department.
- A certificate of appreciation was presented to Institute for contributing to voluntary online coaching of Aksharamaala's Connect with GEMS program through the NSS wing of the institution during 2021-22.

The Street Cause of Vasavi unit started in 2012 undertakes the

following for underprivileged sections of the society.

- **Teach Ibrahimbagh -Educational support tothe students of Ibrahimbagh Village.**
- **Distribution of text books and stationeryto studentsin various villages.**
- **Distribution of fans, lights , black boards to Schoolsin various villages.**

File Description	Documents
Details of activities that inculcate values necessary to transform students into responsible citizens	[View File](#)
Any other relevant information	[View File](#)

7.1.10 - The institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts periodic sensitization programmes in this regard: The Code of Conduct is displayed on the website There is a committee to monitor adherence to the Code of Conduct Institution organizes professional ethics programmes for students, teachers, administrators and other staff Annual awareness programmes on the Code of Conduct are organized	**C. Any 2 of the above**

File Description	Documents
Code of Ethics - policy document	[View File](#)
Details of the monitoring committee composition and minutes of the committee meeting, number of programmes organized, reports on the various programmes, etc. in support of the claims	[View File](#)
Any other relevant information	[View File](#)

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

Independence Day and Republic Day are celebrated every year in the Institution. Management members of the Institution, staff members and students attend the flag hoisting ceremony every year on these occasions. Various cultural programs are also conducted after the Flag hoisting ceremony to inculcate the spirit of dedication and patriotism in staff and students. Also, academic prizes/awards are distributed on this occasion.

Dr. Sarvepalli Radha Krishnan's Birthday is celebrated on September 5th every year as 'Teachers' Day'. An eminent academician is identified and felicitated every year on this occasion As a tribute to the greatest Indian Engineer Sir Mokshagundam Vishveshvaraya on his birth anniversary, the institute celebrates 'Engineers Day' every year on September15th every year. Various technical programs are conducted to mark this occasion. Technical competitions are conducted and prizes are distributed.

An eminent Engineer is identified and felicitated every year on this occasion. As a tribute to the great Indian Scientist, Sir C.V. Raman, his birth anniversary is celebrated as National Science Day on 28th February every year. All the academic blocks and the Learning Resource Centre in the campus are appropriately named after the great Indian Scientists and academicians as a mark of respect to their stellar contributions.

File Description	Documents
Annual report of the celebrations and commemorative events for during the year	View File
Geotagged photographs of some of the events	View File
Any other relevant information	View File

7.2 - Best Practices

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

The following are the two Best Practices

1. Feedback System

2. Encouraging the faculty members and students to publish papers in refereed journals and to complete SWAYAM-NPTEL Online Certification Courses on a regular basis.

Details are given in the following link

https://vce.ac.in/About/College/Best_Practices.cshtml

File Description	Documents
Best practices in the Institutional website	https://vce.ac.in/About/College/Best_Practices.cshtml
Any other relevant information	https://vce.ac.in/About/College/Best_Practices.cshtml

7.3 - Institutional Distinctiveness

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

- With a view to promote self-learning among students one online NPTEL certification has been made a mandatory requirement for the award of degree for every student who has been admitted from the academic year 2016- 17 under CBCS regulations.
- This NPTEL course should be of minimum 8 weeks duration and should be approved by the respective departments. Students should complete NPTEL certification during the period from III to VII semester of their study.
- Two-credit weightage for an online certification course offered by NPTEL (which is of 8 weeks duration) is introduced to enhance & reward the self-learning capabilities of students from the academic year 2021-22.
- Total 1367 students have received NPTEL certifications during the academic year 2021-22. To motivate the students to perform well in NPTEL courses, incentives are given to meritorious students who complete NPTEL course(s) with Eliteand Gold certification, Elite, Gold and top 2% certification and Elite, Gold and top 1% certification.
- 26 students received an amount Rs. 53,750 towards incentives for completing their certification as topper in their courses.
- The college is rated with 'AA' grade based on performance in the NPTEL Online Certification courses for 2021-22.

File Description	Documents
Appropriate link in the institutional website	https://vce.ac.in/CampusLife/Swayam.cshtml
Any other relevant information	View File

7.3.2 - Plan of action for the next academic year

- Encourage studentsto participate in Hackathons, Coding/Design Contest and technical events
- Introduce Best theme based project awards to inculcate and encourage innovative ideas in the students
- Continue the activities under Experiential learning such as Summer Internship ,Mini-Projects, Theme-based projects ,Co-curricular activities, Virtual Labs
- Enhance the number of research & Consultancy projects funded by government and non-government agencies
- Conduct workshops/ seminars on IPR and Innovative practices
- Conduct Workshops on Time Management to the faculty
- Conduct Guru Dakshata Program for Newly joined faculty.
- Motivate the students to participate in Competitive Exams through career guidance programs
- Conduct National level sports and cultural activities
- Encourage faculty to organize/ attend FDPs /workshops/ International conference on regular basis
- Conduct workshop on the "Code of Conduct"&"Professional Ethics" for faculty and students.
- Conduct of Outreach and Extension activities beyond the campus.
- Conduct a workshop on innovative assessment and evaluation methods for faculty.
- Enhance the incentives to the faculty and students towards R&D activities.
- Improve the leadership qualities and building professional competency among the students through ED cell programs
- Few Open elective courses such as (Java Programming, Python Programming, Database Management Systems etc.) to be strengthened by introducing laboratory sessions for these courses.