



SELF STUDY REPORT

FOR

2nd CYCLE OF ACCREDITATION

SHRI TULJABHAVANI COLLEGE OF ENGINEERING

NALDURG ROAD TULJAPUR

413601

www.stbcet.org.in

Submitted To

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

BANGALORE

September 2024

1. EXECUTIVE SUMMARY

1.1 INTRODUCTION

Shri Tulja Bhavani Temple Trust's Shri Tulja Bhavani College of Engineering, Tuljapur is pleased to present this Self Study Report (SSR) to the National Assessment and Accreditation Council (NAAC) Bengaluru. Shri Tulja Bhavani is the family Goddess (*Kuldevta*) of Chhatrapati Shivaji Maharaj, one of the *Poorna Shaktipeeth* amongst *Sadatin Shaktipeeths* in Maharashtra.

Shri Tulja Bhavani Temple Trust, Tuljapur is a Trust registered under Bombay Public Trust Act. The college is run by the said Trust. The Trust is under the control of Govt. of Maharashtra. Hon. Collector Dharashiv is Exofficio Chairman of the Trust. Tuljapur situates in Dharashiv District – one of the backward District amongst Marathwada region in Maharashtra. In order to have facility of higher and technical education for rural, poor, needy students of this area, the Trust has started this college in 1983.

The college is approved by All India Council for Technical Education, (AICTE) New Delhi and Directorate of Technical Education (DTE) Maharashtra State. At the starting the college was affiliated to Dr. Babasaheb Ambedkar Marathwada University, Aurangabad and from 2017 onwards affiliated to Dr. Babasaheb Ambedkar Technological University Lonere. The institute runs four undergraduate courses and three post graduate courses. Undergraduate courses are Civil Engineering, Mechanical Engineering, Electronics & Telecommunication Engineering and Computer Science & Engineering. Post graduate courses are Mechanical Engineering, Electronics & Telecommunication Engineering and Water Resources Engineering.

The college has signed MoUs with reputed industries and organization –

Institute has been accredited by NAAC in 2019. Shri Tuljabhavnai Temple trusts supports to rural background and scholar students by providing merit basis scholarship For First year admission, scholarship is based on MHT-CET / JEE marks & For Direct Second Year Admission, Scholarship is based on Diploma marks.

Institute provides one year free hostel accommodation for Girl Students, Co-operative mess facility is available for Boys and Girls Hostels on the basis of no profit no loss. Institute also provide financial support to all students by conducting value added programmes like Softskill training and higher technical programme training without costing any fees to students. The alumni association provides financial support to poor and needy students and to conduct various technical activities in the college.

Vision

To achieve good standards of technical education keeping pace with rapidly changing Technologies and create technical man power of global standards with capabilities of accepting new challenges

Mission

To impart quality and value based education to raise satisfaction of all stake holders with special focus on rural masses. Our endeavor is to promote research and development activities and to provide all possible support to

society at large.

1.2 Strength, Weakness, Opportunity and Challenges(SWOC)

Institutional Strength

- College is run by Shri Tuljabhavnai Temple Trust having Visionary management team and transparent administrative setup of Dist. Collector, MLA, SDO, Tahsildar,President Muncpal Council
- Tuljapur.
- Well qualified, dedicated & experienced UGC approved teaching faculties with good retention ratio.
- Excellent infrastructure of college, library and staff quarters with wired and Wi-Fi Network under CCTV surveillance.
- Two Hostels for Boys and Two Hostels for Girls with Secure and safe residence located near Principal, Tahsildar quarters and Police Wireless office.
- Temple Trust provides fees concession to meritorious students along with one year free hostel facility for Girls students.
- Students participating extracurricular and co curricular activities.
- Extension activities through NSS
- Robust mentor, local guardian system adopted
- Active and support from alumni and parent association.
- Skill development programme offered from first year to final year students.
- Good academic results and consistently university toppers

Institutional Weakness

- Rural location of college, minimum strengthening of academic and industrial linkages.
- Less contribution in research area
- Moderate placement packages and low placement in core companies.
- No faculty guest house within the campus/hostel
- Less admissions having average merit students.

Institutional Opportunity

- Trust is government body, we get government contracts or orders to generate revenue
- Skill development for students make them competent in the current environment.
- Offering courses through the SWAYAM to students and faculties.
- Strengthening interaction with alumni to facilitate better connectivity with industry.
- Motivating students for competitive exams
- Improve the R & D with collaboration of industry and educational institute.
- Utilize potential of alumni.
- Serve, offering technical solution and services to temple, school, society etc.

Institutional Challenge

- Improvement in communication and employability skill of students.
- Poor schooling and poor basic knowledge create a problem in the progress of students
- Placement opportunities for core branches
- The fluctuating trends in the global economy, tends to decrease in placement opportunity.
- Faculty with Ph.D. qualification in emerging area.
- To map curriculum with fast changing technology and skill set (less flexibility as university syllabus is fixed)
- Lack of enough industries in the surrounding for placement and internship

1.3 CRITERIA WISE SUMMARY

Curricular Aspects

The institution follows systematic processes for effective curricular implementation and tries to adopt concrete measures to improve and sustain the quality of higher education. The institution, being affiliated with Dr. Babasaheb Ambedkar Technological University, Lonere, systematically follows the recommended Choice-Based Credit System (CBCS) for all UG and PG programs. The institute implements outcome-based education (OBE) with a well-defined vision, mission, program outcomes (POs), program-specific outcomes (PSOs), and course outcomes (COs) for all courses. All programs follow the institution's policy for the effective implementation of outcome-based education. Along with the mandatory courses as per the curriculum, students have been offered different elective courses, audit courses, field training, and industrial training focusing on state-of-the-art technology and employability skill development, respectively. Students are advised to enroll in at least one online course on a web-based platform like NPTEL, MOOCs, SWYAM, Udemy, etc. to gain additional subject-based and industry-related knowledge. Adhering to the academic calendar, the implementation of academic activities, including test examinations, mid-semester examinations, and assignments at the institute level, is reviewed by the head of department and the academic development committee. The Institute also promotes learning beyond the curriculum. Similarly, the head of the cultural and social activity and gymkhana and national service schemes plans various sports, cultural, and social activities every year for the students. Many faculty members are contributing to university-level activities like paper setting and assessment of end-of-semester examinations. The institution strongly believes in integrating cross-cutting issues related to professional ethics, gender sensitization, human values, and environmental sustainability with a view to ensuring holistic development of the students through experiential learning, fieldwork, internships, project work, etc. During each semester, feedback on teaching and learning is collected twice from students. The analysis is discussed with the faculty for taking actions for improvement in teaching and learning. Structured feedback on the curriculum is collected from various stakeholders, like students, teachers, alumni, and industry personnel or employers. Based on the analysis, corrective measures are taken and implemented accordingly.

Teaching-learning and Evaluation

The admission process of FE Engg., Direct Second Year Engg. and post graduate courses is done as per the Govt. norms and guidelines by concerned affiliating universities.

For effective teaching the following steps are taken

1. Extra books facility has been provided to the students.

2. GATE classes are conducted for the students.

3. Students are motivated to use NPTEL videos, online books, CDs, E-journals.

4. Students use language lab facility to improve their communication skills, English and local language newspapers are provided in the college and hostel. The subject teachers, class coordinators and Local Guardian (LG) are involved in the assessment of students.

The subject teachers and LG closely monitor the performance of students and communicate to the class coordinators and concerned HOD. Subject teachers, class coordinators and HOD discuss about overall performance of the students and identify their learning levels either they may be advance learners or slow learners.

Special activity for slow learners:

Weak subjects/ topics are identified and remedial classes are conducted on these subjects separately. For Slow learners issues are identified in LG meetings and are addressed to improve their performance and confidence level.

Research, Innovations and Extension

Shri TuljaBhavani College of Engineering, Tuljapur, has been dedicated to fostering a culture of research and innovation, with significant strides made over the past five years. Although the journey has been gradual, the institution remains committed to creating an environment where research and innovation thrive, reflecting our vision to contribute meaningfully to the technological and societal advancement of our region and beyond.

While initial progress was slow, we have implemented several strategic initiatives to accelerate our research activities. These include promoting interdisciplinary collaboration, and providing faculty with opportunities for professional development and research funding. Intellectual Property Rights Cell (IPR) organizes seminars and workshops for creating awareness on IPR, filing of patents, technology transfer, copyrights and its challenges, trademarks and advances in IPR in India.

Our focus on building a robust research infrastructure has resulted in the creation of state-of-the-art laboratories equipped with the latest technology. STB Engineering College organizes various extension activities to promote institute-neighbourhood community to sensitize the students towards society/community needs. We have also developed partnerships with leading industries, facilitating knowledge exchange and collaborative research projects.

To further nurture a culture of innovation, we have introduced programs such as innovation challenges, and startup incubation initiatives. These platforms encourage our students to think creatively and develop practical solutions to real-world problems. Our faculty mentors provide guidance and support, fostering an environment where innovative ideas can flourish.

Recognizing the importance of a supportive ecosystem, we have also enhanced our library resources, subscribed to numerous research journals, and provided access to online databases. This ensures that our researchers have the necessary resources to pursue their projects effectively.

As we move forward, Shri TuljaBhavani College of Engineering remains committed to intensifying our research and innovation efforts. By building on the foundations laid over the past five years, we aim to establish ourselves as a leading institution in engineering research and innovation, contributing to the broader scientific community and societal progress.

Infrastructure and Learning Resources

The college is having adequate infrastructure facilities for teaching – learning as under:

1. Administrative Building:

There are 10 well-furnished class Rooms, Physic & Chemistry laboratory, Drawing Hall, Tutorial Room and Seminar Hall in the administrative Building.

2. Civil Engineering

There are 03 well-furnished class Rooms, Tutorial Room and 07 well equipped laboratories with all equipment as per the university syllabus in Civil Engineering Dept.

3. Computer Science Engg. Dept.

There are 07 well equipped Computer laboratories with all equipment as per the university syllabus in Computer Science Engineering Dept.

4. Electronics & Telecommunications Engg. Dept.

There are 09 well equipped laboratories with all equipment as per the university syllabus and one well-furnished tutorial room.

5. Mechanical Engineering Dept.

There are 03 well-furnished class rooms and 03 well equipped laboratories with all equipment as per the university syllabus in Mechanical Engg. Dept.

6. Workshop

There are 05 shops viz. Carpentry, Welding, Black smithy, Turning and Foundry shop. Also there are 03 well equipped laboratories with all equipment as per the university syllabus for Mechanical Engineering. Dept.

7. Library

The Library is having separate full-fledged spacious building. The Library has slim software. The library has subscribed with National and International Technical journals.

8. Computational facilities.

Apart from the Computer Science Engineering Dept, every Dept. is having separate Computer Lab with concerned software required for teaching– learning. There are 533 Computers in the college for teaching – learning process.

Library as a Learning Resource

For overall smooth functioning of the library, it is divided into following five main sections and each section has its unique identity and with defined standard procedures the library works

effectively and serves its patrons for information requirements.

1. Acquisition/ Processing Section

2. Circulation Section

3. Serial Section

4. Reference Section

5. ICT and Digital Section

The library of the college has its own mechanisms and system in place to identify the purchases based on the courses offered, check on the facilities to be provided for the students and the staff.

Student Support and Progression

In addition to the norms of the Government, College supports to all eligible Students to apply for scholarships within stipulated period of time, the temple trust provides fees concession scheme to meritorious students Since 2018, an average of 80.00% of students have availed temple trust's scholarships in addition with government.

For overall development of the students, Training and Placement cell organizes various training programme to enhance Soft skills, Language and Communication Skills, Life skills and ICT/Computing skills. Students are benefited by these trainings and achieved success in campus interviews and various competitive examinations.

College has mechanism of local guardian to each student to resolve their local issues along with academic guidance. Institute has various grievance committees to provide helping hand and moral support in their individual problems if any.

The National Social Service scheme, Sports & Cultural activities at the College level and encourage students to participate in outside events.

Every department of Institute organizes expert talk, webinar, workshop, industrial visit for students' academic growth.

Governance, Leadership and Management

The institution is run by Shri Tuljabhavani Temple Trust under the leadership of Hon. Dist. Collector, Osmanabad The organization consist of Dist. Collector, Osmanabad as a Chairman and MLA of Tuljapur, Sud Divisional Officer (SDO) Osmanabad, Tahsildar Tuljapur & President of Municipal council Tuljapur as members.

All policy matters and financial implications are addressed by trust. In view of vision and mission, policies are discussed in the trust meetings and decisions are communicated to the institution for implementation. As majority of Hon. Trustee are govt. officers all rules regulations and administration is carried out as per govt. procedures. The Board of Governance Committee is headed by Dr. N.B. Pasalkar Retired Director of Technical Education Maharashtra State. The Board of Governance Committee takes note of decisions regarding academic and development of institute, they develop the strategic plans and further communicates to the Trust.

Institutional Values and Best Practices

The institute is run by Shri Tulja Bhavani Temple Trust, Tuljapur, under the leadership of Hon. Dist. Collector, Dharashiv. The temple trust is providing scholarship for meritorious students every year which in turn gives the major financial support to the parents of rural background. More than 1000+ students are taken the benefits for the same.

Girls taking admission to hostel first time are admitted at no cost under "Beti Bachao and Beti Padhao".

In the tenure of @41 years college has tradition of maxium UGC approved (permanent) staff members with high retention ratio.

Institute organizes various gender equality programs, national festivals, birth anniversaries and death anniversaries of the great Indian personalities, social reformers and freedom fighters, blood donation camps and national programs.

Institute has constituted various committees including Grievance Redressal Committee, Anti-ragging Committee and Internal Complaints Committee. Local guardians are appointed to all students for their counseling and to resolve local issues, if any.

The water conservation is ensured through rainwater harvesting.

Prior one ensures smooth functioning of various portfolios such as Academic, discipline, Social Media, Administrative, Training & Placement.

Institute helps students in raising academic performance, making employable also motivating for entrepreneurship and bringing awareness about societal aspects.

As an Institutional Distinctiveness, the institution strives to improve the socio-economic condition of the region through societal connect by organizing technical, social events viz. TulTech : Idea Innovation, Shiv Jayanti etc. in every year.

2. PROFILE

2.1 BASIC INFORMATION

Name and Address of the College	
Name	SHRI TULJABHAVANI COLLEGE OF ENGINEERING
Address	Naldurg Road Tuljapur
City	Tuljapur
State	Maharashtra
Pin	413601
Website	www.stbcet.org.in

Contacts for Communication					
Designation	Name	Telephone with STD Code	Mobile	Fax	Email
Principal(in-charge)	Adekar Ravindra Harishchandra	02471-242016	9420476052	02471-242016	stbcet@gmail.com
IQAC / CIQA coordinator	Pergad N.D.	02471-242643	9146498983	02471-242016	ndpergad.1964@gmail.com

Status of the Institution	
Institution Status	Private

Type of Institution	
By Gender	Co-education
By Shift	Regular

Recognized Minority institution	
If it is a recognized minority institution	No

Establishment Details	
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State	University name	Document
Maharashtra	Dr. Babasaheb Ambedkar Marathwada University	View Document
Maharashtra	Dr. Babasaheb Ambedkar Technological University	View Document
Maharashtra	Dr. Babasaheb Ambedkar Technological University	View Document

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

Details of recognition/approval by stationary/regulatory bodies like AICTE,NCTE,MCI,DCI,PCI,RCI etc(other than UGC)				
Statutory Regulatory Authority	Recognition/Approval details Institution/Department programme	Day,Month and year(dd-mm-yyyy)	Validity in months	Remarks
AICTE	View Document	13-05-2024	12	
AICTE	View Document	13-05-2024	12	
AICTE	View Document	13-05-2024	12	
AICTE	View Document	13-05-2024	12	

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

Location and Area of Campus				
Campus Type	Address	Location*	Campus Area in Acres	Built up Area in sq.mts.
Main campus area	Naldurg Road Tuljapur	Semi-urban	17.2	15942.12

2.2 ACADEMIC INFORMATION

Details of Programmes Offered by the College (Give Data for Current Academic year)						
Programme Level	Name of Programme/Course	Duration in Months	Entry Qualification	Medium of Instruction	Sanctioned Strength	No.of Students Admitted
UG	BE,Civil Engineering,	48	HSC Science	English	30	5
UG	BE,Mechanical Engineering,	48	HSC Science	English	30	0
UG	BE,Electronics And Telecommunications Engineering,	48	HSC Science	English	60	1
UG	BE,Computer Science And Engineering,	48	HSC Science	English	120	103
PG	Mtech,Civil Engineering, Water Resource Engineering	24	UG	English	9	0
PG	Mtech,Mechanical Engineering,	24	UG	English	9	0
PG	Mtech,Electronics And Telecommunications Engineering,	24	UG	English	9	0

Position Details of Faculty & Staff in the College

Teaching Faculty												
	Professor				Associate Professor				Assistant Professor			
	Male	Female	Others	Total	Male	Female	Others	Total	Male	Female	Others	Total
Sanctioned by the UGC /University State Government	8				10				42			
Recruited	0	0	0	0	0	0	0	0	40	2	0	42
Yet to Recruit	8				10				0			
Sanctioned by the Management/Society or Other Authorized Bodies	0				0				0			
Recruited	0	0	0	0	0	0	0	0	0	0	0	0
Yet to Recruit	0				0				0			

Non-Teaching Staff				
	Male	Female	Others	Total
Sanctioned by the UGC /University State Government				15
Recruited	11	3	0	14
Yet to Recruit				1
Sanctioned by the Management/Society or Other Authorized Bodies				0
Recruited	0	0	0	0
Yet to Recruit				0

Technical Staff				
	Male	Female	Others	Total
Sanctioned by the UGC /University State Government				6
Recruited	5	0	0	5
Yet to Recruit				1
Sanctioned by the Management/Society or Other Authorized Bodies				0
Recruited	0	0	0	0
Yet to Recruit				0

Qualification Details of the Teaching Staff

Permanent Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			Total
	Male	Female	Others	Male	Female	Others	Male	Female	Others	
D.sc/D.Litt/LLD/DM/MCH	0	0	0	0	0	0	0	0	0	0
Ph.D.	0	0	0	0	0	0	2	0	0	2
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	37	1	0	38
UG	0	0	0	0	0	0	0	0	0	0

Temporary Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			Total
	Male	Female	Others	Male	Female	Others	Male	Female	Others	
D.sc/D.Litt/LLD/DM/MCH	0	0	0	0	0	0	0	0	0	0
Ph.D.	0	0	0	0	0	0	0	0	0	0
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	1	1	0	2
UG	0	0	0	0	0	0	0	0	0	0

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

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

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

Programme		From the State Where College is Located	From Other States of India	NRI Students	Foreign Students	Total
UG	Male	280	0	0	0	280
	Female	273	0	0	0	273
	Others	0	0	0	0	0
PG	Male	0	0	0	0	0
	Female	0	0	0	0	0
	Others	0	0	0	0	0

Provide the Following Details of Students admitted to the College During the last four Academic Years					
Category		Year 1	Year 2	Year 3	Year 4
SC	Male	3	3	3	5
	Female	1	1	4	0
	Others	0	0	0	0
ST	Male	0	0	0	0
	Female	0	0	0	0
	Others	0	0	0	0
OBC	Male	1	8	8	15
	Female	3	2	2	5
	Others	0	0	0	0
General	Male	18	16	16	41
	Female	12	13	13	30
	Others	0	0	0	0
Others	Male	5	8	30	19
	Female	9	7	35	14
	Others	0	0	0	0
Total		52	58	111	129

Institutional preparedness for NEP

1. Multidisciplinary/interdisciplinary:	From A.Y. 2014-15 a strategy was developed to motivate the students to take up interdisciplinary projects, which is part of their curriculum. The strategy was developed as follows- Small projects of lab innovations and Value Addition programs are made compulsory to the Students of Second Year and Third Year Engineering. The class teachers will allot one subject per group of the students. The guide will take the follow up and get the mini projects done. The project Coordinators of concerned department takes the periodic review and guides further improvements, if any. Final year students themselves will form the interdisciplinary group and choose a project in consultation with their guide. Outcome: This initiative encourages students to work in interdisciplinary projects and enhance their ability to work in coordination with other department students and staff.
2. Academic bank of credits (ABC):	Our Institute has instated all the admitted students to open ABC ID. The ABC IDs are shared to Dr. BATU University, Lonere, So our students' academic records will be maintained online and with transparency. Students are Inco rouged to register for various MOOCs (viz. NPTEL, SWAYAM etc.) and according to university guidelines their result may be considered as equivalent credits for the subjects in syllabus.
3. Skill development:	Vocational education and training will be provided in the Institute through partnerships between institutions and industry. Trainer regarding entrepreneurship and innovation will be provided to students. Teachers skills and knowledge will be upgraded as per the need to provide skill development and practical application among the students.
4. Appropriate integration of Indian Knowledge system (teaching in Indian Language, culture, using online course):	Online platforms and digital tools will be used to deliver courses on Indian knowledge systems through NPTEL, MOOCs. Virtual tours of heritage sites, interactive simulations of historical events will be arranged. Teaching faculty will be given training through workshop, seminars and online courses.
5. Focus on Outcome based education (OBE):	Program Outcomes (POs), Program Specific Outcomes (PSOs) and Course Outcomes (COs) are clearly stated and displayed through various medias. These outcomes will be achieved through the curriculum that offers number of courses. The

	<p>Institution and an individual faculty member do use assessment/evaluation outcome for evaluating student's performance and achievement of learning objectives. Some of the details of process being followed by the institution/department/faculty. Term work marks are calculated based on attendance percentage performance in mid semester exam. Also general classroom behavior of the student is also kept in mind when evaluation of student is undertaken. The process of attainment of CO's, PO's and PSO's starts from writing appropriate CO's for each course of the program from first year to fourth year engineering degree program. At the end of each program the PO/PSO assessment is done from the CO attainment of all curriculum components. The various assessment tools like internal and university exam assignments practical's mini projects exit survey are used for evaluation and assessment of all the outcomes.</p>
<p>6. Distance education/online education:</p>	<p>Some parts of the course is conducted through online mode by using Zoom or Microsoft teams which facilities discussion and interaction. Meetings, Webinars, Seminars will be conducted through Online Mode.</p>

Institutional Initiatives for Electoral Literacy

<p>1. Whether Electoral Literacy Club (ELC) has been set up in the College?</p>	<p>YES, The Electoral Literacy Club (ELC) is formed in the college under the Chairmanship of Prof. V.S. Gangane and students are members of this club. This club conducts various programmes for the students to make them aware of voting in election. Also a Voter's Day function is arranged on 25th Jan and voter's oath is given to students. The students are also have the demo of electronic voting machine. This helps them to make awareness about electronic voting machine in the society.</p>
<p>2. Whether students' co-ordinator and co-ordinating faculty members are appointed by the College and whether the ELCs are functional? Whether the ELCs are representative in character?</p>	<p>Students' co-ordinator and co-ordinating faculty members are appointed by the College. ELCs are functional</p>
<p>3. What innovative programmes and initiatives undertaken by the ELCs? These may include</p>	<p>Voter registration programme for the students is arranged in the college as per the notice of election</p>

<p>voluntary contribution by the students in electoral processes-participation in voter registration of students and communities where they come from, assisting district election administration in conduct of poll, voter awareness campaigns, promotion of ethical voting, enhancing participation of the under privileged sections of society especially transgender, commercial sex workers, disabled persons, senior citizens, etc.</p>	<p>department. Also Voter's Day is celebrated on 25th Jan.</p>
<p>4. Any socially relevant projects/initiatives taken by College in electoral related issues especially research projects, surveys, awareness drives, creating content, publications highlighting their contribution to advancing democratic values and participation in electoral processes, etc.</p>	<p>As our college is headed by Hon. Dist. Collector, Osmanabad, our staff members are appointed as a Master Trainer for the election campaigning and electronic voting machine awareness programme.</p>
<p>5. Extent of students above 18 years who are yet to be enrolled as voters in the electoral roll and efforts by ELCs as well as efforts by the College to institutionalize mechanisms to register eligible students as voters.</p>	<p>Our college arranges a programme for new voter register registration before the elections. The students those are not enrolled as a voters their data is collected and the same information with relevant documents is submitted to the taluka election office for the further necessary action.</p>

Extended Profile

1 Students

1.1

Number of students year wise during the last five years

2023-24	2022-23	2021-22	2020-21	2019-20
524	632	624	532	459

File Description	Document
Upload Supporting Document	View Document
Institutional data in prescribed format	View Document

2 Teachers

2.1

Number of teaching staff / full time teachers during the last five years (Without repeat count):

Response: 60

File Description	Document
Upload Supporting Document	View Document
Institutional data in prescribed format	View Document

2.2

Number of teaching staff / full time teachers year wise during the last five years

2023-24	2022-23	2021-22	2020-21	2019-20
44	41	48	57	55

3 Institution

3.1

Expenditure excluding salary component year wise during the last five years (INR in lakhs)

2023-24	2022-23	2021-22	2020-21	2019-20
109.18	136.67	59.53	128	300

File Description	Document
Upload Supporting Document	View Document

4. Quality Indicator Framework(QIF)

Criterion 1 - Curricular Aspects

1.1 Curricular Planning and Implementation

1.1.1

The Institution ensures effective curriculum planning and delivery through a well-planned and documented process including Academic calendar and conduct of continuous internal Assessment

Response:

Response:

The Shri Tuljabhavani College of Engineering, Tuljapur, is affiliated with Dr. Babasaheb Ambedkar Technological University, Lonere, from 2017–18. The curriculum of the college is in line with that of the affiliated university. The academic calendar issued by the affiliated university forms the basis for designing the college academic calendar. The academic calendar is prepared by the academic coordinator in an HOD meeting called by the principal and academic coordinator before the commencement of the semester. The college academic calendar consists of a detailed schedule of academic activities like the commencement of classes, the schedule of four assignments, Unit Test 01, 02, and Mid Semester Examination schedules, the completion of the syllabus, the student feedback schedule followed by term work submission, practical and end semester examinations, and the display of student attendance. A copy of the academic calendar is displayed on the college website and department notice boards. The following documents are maintained related to curriculum delivery in the department.

- Distribution of workload as per the subject expertise by the head of department in staff meetings.
- Preparation of a class-wise time table, displayed on the department notice board.
- Appointment of class coordinators and local guardians by the HOD.
- Departmental activity calendars related to co-curricular and extra-curricular activities are prepared by the head of department in advance.
- The course file is maintained for each subject by the respective faculty member, and it is checked by the HOD, Academic Coordinator, and Principal.
- All class coordinators maintain a file that consists of the class time table, list of students, and syllabus completion record for each subject.
- Each class coordinator maintains a daily report of the number of periods and practical's conducted as per the timetable and the number of students present on that day.
- All the classes and examinations are planned as per the calendar, thus ensuring complete adherence.

Conduct of Continuous Internal Assessment

1. **Internal Examinations and Question Paper Setting:** The question paper for Unit Tests 01, 02, and mid-semester examinations are set by concerned faculties in the prescribed template, mentioning the levels and CO's. This is helpful for further mapping of CO's and PO's. To maintain further compliance, answer sheets are checked within 3 days after the commencement of each examination, and marks are displayed on the notice board.

2. **Assignments:** In addition to the tests, assignments are also part of continuous internal evaluation. Four assignments are given to students, and solutions are submitted within three days. The grading of the assignment is done by the faculty.
3. **University Exams:** The final university exam schedule is also displayed on student notice boards. In the case of labs and projects, internal vivas and practical exams are conducted by the respective departments.
4. **Continuous Assessment:** University continuous assessment marks (CA1 and CA2) are given as per the institute's policy.

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

1.2 Academic Flexibility

1.2.1

Number of Certificate/Value added courses offered and online courses of MOOCs, SWAYAM, NPTEL etc. (where the students of the institution have enrolled and successfully completed during the last five years)

Response: 36

File Description	Document
Institutional programme brochure/notice for Certificate/Value added programs with course modules and outcomes	View Document
Institutional data in the prescribed format	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

1.2.2

Percentage of students enrolled in Certificate/ Value added courses and also completed online courses of MOOCs, SWAYAM, NPTEL etc. as against the total number of students during the last five years

Response: 79.61

1.2.2.1 Number of students enrolled in Certificate/ Value added courses and also completed online courses of MOOCs, SWAYAM, NPTEL etc. as against the total number of students during the last five years

2023-24	2022-23	2021-22	2020-21	2019-20
484	632	624	267	199

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

1.3 Curriculum Enrichment

1.3.1

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

Response:

Response

The institute follows the curriculum prescribed by DBATU and integrates cross-cutting issues relevant to professional ethics, human values, gender, environment, etc. across UG programs.

1. Gender, Human Values, and Professional Ethics

The curriculum of programs includes eight courses that integrate gender, human values, and professional ethics into the curriculum. These courses are Universal Human Values II, Constitution of India, Basic Human Rights, Communication Skills, Soft Skills Development, Quantitative Techniques and Project Management, Economics and Management, and Intellectual Property Rights.

The Universal Human Values II course enables students to understand and encourages individuals to act in accordance with principles that promote fairness, justice, and integrity.

The Constitution of India course enables students to understand constitutional ethos and principles, to correlate with the political system and constitutional tenets, to inculcate and pursue the values of civic life, and to exercise their rights and duties with rationale. The course reinforces the concepts of gender equality and human values, which are the thematic backbone of the Indian Constitution.

The Basic Human Rights course prohibits discrimination based on religion, race, caste, sex, or place of birth. This right guarantees equal access to educational institutions and opportunities.

Communication skills courses enable students to confidently communicate with their peers and make a constructive addition to the group. Clear communication helps make better decisions and fosters better collaboration, eventually leading to shared success.

Soft skills ensure a student's ability to present effectively, clearly communicate their ideas, and work as part of a team. Focusing on mastering these skills and other dimensions of readiness ensures students are prepared with the full range of knowledge that they need to be successful in college, career, and life.

Quantitative Techniques and Project Management courses are very powerful mediums through which students will solve uncertainty in decision-making and enhance project ability and efficiency.

Economics and Management provides students with a much deeper understanding of economic theory and principles for application to the real world of business and markets.

An intellectual property rights course was introduced in the curriculum to teach students about intellectual property rights in order to protect their creativity and innovations.

2. Environment and sustainability

The issues of environment and sustainability were addressed through the courses Energy and Environmental Engineering and Renewable Energy Sources. These two courses enable students to acquire fundamental knowledge of energy principles, technologies, and environmental sciences, as well as the ability to facilitate solutions to problems related to energy technologies, environmental engineering, new and renewable energy resources, energy-efficient buildings, etc., that contribute to the well-being of our environment and society. The students were sensitized to ecological and environmental issues connected with land, air, and water, with an awareness of sustainable development.

Apart from these curriculum, the institute is making continuous efforts to develop the culture of human values and professional ethics among students and faculty members by involving them in various societal activities such as International Women's Day, blood donation camp, , tree plantation, Yoga Day, Voters Day, Republic Day, etc.

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

1.3.2

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

Response: 79.77

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

Response: 418

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

1.4 Feedback System

1.4.1

Institution obtains feedback on the academic performance and ambience of the institution from various stakeholders, such as Students, Teachers, Employers, Alumni etc. and action taken report on the feedback is made available on institutional website

Response: C. Feedback collected and analysed

File Description	Document
Feedback analysis report submitted to appropriate bodies	View Document
At least 4 filled-in feedback form from different stake holders like Students, Teachers, Employers, Alumni etc.	View Document

Criterion 2 - Teaching-learning and Evaluation

2.1 Student Enrollment and Profile

2.1.1

Enrolment percentage

Response: 30.95

2.1.1.1 Number of seats filled year wise during last five years (Only first year admissions to be considered)

2023-24	2022-23	2021-22	2020-21	2019-20
109	102	57	56	52

2.1.1.2 Number of sanctioned seats year wise during last five years

2023-24	2022-23	2021-22	2020-21	2019-20
267	207	237	237	267

File Description

Document

Institutional data in the prescribed format

[View Document](#)

Final admission list as published by the HEI and endorsed by the competent authority

[View Document](#)

Document related to sanction of intake from affiliating University/ Government/statutory body for first year's students only.

[View Document](#)

Provide Links for any other relevant document to support the claim (if any)

[View Document](#)

2.1.2

Percentage of seats filled against reserved categories (SC, ST, OBC etc.) as per applicable reservation policy for the first year admission during the last five years

Response: 36.95

2.1.2.1 Number of actual students admitted from the reserved categories year wise during last five years (Exclusive of supernumerary seats)

2023-24	2022-23	2021-22	2020-21	2019-20
81	62	26	28	28

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

2023-24	2022-23	2021-22	2020-21	2019-20
134	103	119	119	134

File Description	Document
Institutional data in the prescribed format	View Document
Final admission list indicating the category as published by the HEI and endorsed by the competent authority.	View Document
Copy of communication issued by state govt. or Central Government indicating the reserved categories(SC,ST,OBC,Divyangjan,etc.) to be considered as per the state rule (Translated copy in English to be provided as applicable)	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

2.2 Student Teacher Ratio

2.2.1

Student – Full time Teacher Ratio
(Data for the latest completed academic year)

Response: 11.91

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 and teachers use ICT- enabled tools including online resources for effective teaching and learning process

Response:

College uses Information and Communication Technology (ICT) in education to support, enhance, and optimize the delivery of education. The ICT tools used by the Institute: 353 Desktop Computers, 25 printers/Multifunction printers and scanners, 15 LCD projectors, 2 photostat machines and one A1 size color printer are available in Computer Labs, Office, Library and Faculty cabins all over the campus and all computer machines are connected through LAN networking. One seminar hall and one auditorium is available. Digital Library is equipped with SLIM software.

Use of ICT by Faculty:

1. Faculties conducting online lectures through Zoom, Google Meet, Microsoft Team, Google Classroom etc.
2. Faculties conducting online classes, unit tests, Midterm test with GOOGLE FORMS.
3. Faculties are using power-point presentations in their teaching by using LCD's and projectors.
4. Seminar and Conference room are digitally equipped where guest lectures, expert talks are regularly organized for students.
5. Faculties taking online quiz for students with the help of GOOGLE FORMS.
6. Students are counseled with the help of Zoom / Google meet.
7. Various technical activities such as Poster paper presentation, Paper presentation etc. are being organized as TULTECH technical event.
8. Digital Library facility for students by SLIM21 : System Library Information and Management..

Experiential Learning :-

The process of learning through the experience is known as experiential learning. Institute conduct experiential learning method through the mini project, final year project, industrial visit, internship for the student, field training. Students are encouraged to attain various activities like paper presentation, programming competition etc. expert lecture from alumni as well as experts from various fields are arranged for the students on various topics.

Participative learning :

Students participate in the various technical events arranged nearby our college. Students participate in the various paper presentation competition and improve their technical writing and communication skills. Students association organizes extra and co-curricular activities such as Blood donation camp, cultural activity etc.

Problem solving methodology :

For learning these methodologies students are encouraged to do interdisciplinary project activity.

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

2.4 Teacher Profile and Quality

2.4.1

Percentage of full-time teachers against sanctioned posts during the last five years

Response: 96.84

2.4.1.1 Number of sanctioned posts year wise during the last five years

2023-24	2022-23	2021-22	2020-21	2019-20
44	48	49	57	55

File Description

Document

Sanction letters indicating number of posts sanctioned by the competent authority (including Management sanctioned posts)

[View Document](#)

Provide Links for any other relevant document to support the claim (if any)

[View Document](#)

2.4.2

Percentage of full time teachers with NET/SET/SLET/ Ph. D./D.Sc. / D.Litt./L.L.D. during the last five years (consider only highest degree for count)

Response: 4.9

2.4.2.1 Number of full time teachers with NET/SET/SLET/Ph. D./ D.Sc. / D.Litt./L.L.D year wise during the last five years

2023-24	2022-23	2021-22	2020-21	2019-20
2	3	2	2	3

File Description	Document
List of faculties having Ph. D. / D.Sc. / D.Litt./ L.L.D along with particulars of degree awarding university, subject and the year of award per academic year.	View Document
Institution data in the prescribed format	View Document
Copies of Ph.D./D.Sc / D.Litt./ L.L.D awarded by UGC recognized universities	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

2.5 Evaluation Process and Reforms

2.5.1

Mechanism of internal/ external assessment is transparent and the grievance redressal system is time- bound and efficient

Response:

Response:

Our Institute follows university guide lines for UG and PG. Grievances related to internal examination are dealt at college level, whereas for external examination related grievances, University has full authority and responsibility and has defined measurable mechanism.

College Level for Internal Examination

1. Schedule of test is given in Academic calendar which is displayed well in advance before commencement of session.
2. Mode of exam is displayed well in advance for Test 01, Test 02 and Mid Term Test which are conducted on a fixed date as per the time table for one hour as per academic Calendar.
3. In case of any evaluation related grievances, students who submit their grievance are shown their valued sheets once again, which they already have seen during discussion tutorials. Subject teacher assesses the answer sheet in the presence of student, if there are any corrections in the total marks or assessment of answer books as identified by the student, these corrections are applied immediately.
4. There is complete transparency in the internal assessment for each assessment method.
5. Students are given fair chance to go through their valued answer sheets, answer sheets are shown to all students and answers are also discussed in the class. In case they have any objection to rise or there is a grievance, they are given patient hearing and their issue is addressed.
6. Student who is still not satisfied can approach the concerned HOD, who can intervene and take help from some other faculty too.
7. Students can seek for the intervention of their teacher guardians too. Hierarchy to deal with

Grievances related to internal examination at college level.

8.If a student misses his/ her internal examination because of any genuine reasons personal or because of participation in some extracurricular activity special internal examination are conducted for such students as per norms, provided student submits application explaining cause with proper reason.

9.Attachments

- Evaluation scheme
- University Academic calendars
- Test and POE Timetable
- University rules pdf

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

2.6 Student Performance and Learning Outcomes

2.6.1

Programme Outcomes (POs) and Course Outcomes (COs) for all Programmes offered by the institution are stated and displayed on website

Response:

- Program Outcomes (POs), Program Specific Outcomes (PSOs) and Course Outcomes (COs) are the terms that describes the educational objectives, Career development and professional knowledge given to the students.
- Program Outcomes (POs), Program Specific Outcomes (PSOs) and Course Outcomes (COs) are achieved through the curriculum that offers number of courses.
- Program Outcomes (POs), Program Specific Outcomes (PSOs) and Course Outcomes (COs) are stated in the university syllabus and curriculum books.
- Each course has defined course outcomes that are directly linked to the Program Outcomes (POs) and Program Specific Outcomes (PSOs). Thus if course outcome achieved, that directly helps to achieve POs and PSOs.

Program Outcomes (POs), Program Specific Outcomes (PSOs) and Course Outcomes (COs) are published on following platforms:

- 1.**Notice board:** All the POs, PSOs and COs are displayed on each departments notice board
- 2.**College website:** All the POs, PSOs and Cos are displayed on the college website and can be accessed by every students, faculty, Alumni and related persons
- 3.**Departmental files:** All the departments maintain the departmental files containing list of the POs, PSOs and Cos
- 4.**Course files:** All the faculty members having the course file for each semester containing list of

POs, PSOs and COs (of that particular course)

5. **Lab Manuals:** All the lab manuals containing the list of POs, PSOs and COs (of that particular course)

6. **Library:** College has the central library which keeps all the POs, PSOs and COs for easy access of students and staff members

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

2.6.2

Attainment of POs and COs are evaluated.

Explain with evidence in a maximum of 500 words

Response:

The Institution and an individual faculty member do use assessment/evaluation outcome for evaluating student's performance and achievement of learning objectives. Some of the details of process being followed by the institution/department/faculty. Term work marks are calculated based on attendance percentage performance in mid semester exam. Also general classroom behavior of the student is also kept in mind when evaluation of student is undertaken. The process of attainment of CO's, PO's and PSO's starts from writing appropriate CO's for each course of the program from first year to fourth year engineering degree program. At the end of each program the PO/PSO assessment is done from the CO attainment of all curriculum components. The description of assessment tools used for evaluation of program outcome is given below.

The process for finding the attainment of Course outcomes uses two methods: Direct methods and indirect methods.

- Direct methods display the student's knowledge and skills from their performance in the class/assignment test, internal assessment tests, assignments, semester examinations, seminars, laboratory assignments/practicals, mini projects etc. These methods provide a sampling of what students understand at the end of course

- Indirect methods such as course exit survey and examiner feedback of student's learning. They are used to assess the graduate's knowledge or skills.

1. Direct Assessment tool used for CO attainment

Assessment tools	Description	Evaluation of CO	Frequency
Theory Examination	internal Two examinations (Unit test 1	written The questions in internal examination	Two per semester

	and 2) are conducted and its marks are considered	assignments/sheets are mapped against CO's of respective course. The questions for two internal examinations are framed to cover all course outcomes	
Assignments	Four assignments are given for each course for continuous assessment. Average marks are considered.	The final Attainment for each CO is calculated by taking average of CO attainments from internal evaluation and assignments	Continuous
Day to Day evaluation	The day to day evaluation is considered	The final attainment for each CO is calculated by taking average of the % attainment from day to day evaluation and internal lab examination	Continuous
Industry oriented Project	To test students concept in design, creative thinking and independent analysis. Two projects reviews are conducted	Two internal projects reviews are conducted and average of these two review assessments are considered	One project review in VII semester
MSE AND ESE	Mid semester exam and End semester university exam marks are considered	The questions in MSE and ESE are mapped and evaluated against CO's of respective course.	At the end of the semester

1. Indirect Assessment tool used for CO attainment

Assessment tools	Description	Evaluation of CO	Frequency
Course exit Survey	Collect variety of information about courses outcomes from the students after learning entire course.	The data of the Exit survey is mapped against the CO's of respective course.	At the end of the semester

1. List of Assessment tools and Weightage

Assessment tools	Direct	Tools	Frequency	Weightage
		Unit Test-I	Two per semester	40%
		Unit Test-II	Continuous	80%

	Home Assignments	Continuous	
	End Semester Exam	At the end of the semester	60%
Indirect	Exit Survey	At the end of the semester	20%

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

2.6.3

Pass percentage of Students during last five years (excluding backlog students)

Response: 94

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

2023-24	2022-23	2021-22	2020-21	2019-20
153	157	138	114	127

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

2023-24	2022-23	2021-22	2020-21	2019-20
163	179	138	114	139

File Description	Document
Institutional data in the prescribed format	View Document
Certified report from Controller Examination of the affiliating university indicating pass percentage of students of the final year (final semester) eligible for the degree programwise / year-wise.	View Document
Annual report of controller of Examinations(COE) highlighting the pass percentage of final year students	View Document

2.7 Student Satisfaction Survey

2.7.1

Online student satisfaction survey regarding teaching learning process

Response: 3.94

File Description	Document
Upload database of all students on roll as per data template	View Document

Criterion 3 - Research, Innovations and Extension

3.1 Resource Mobilization for Research

3.1.1

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

Response: 0

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

2023-24	2022-23	2021-22	2020-21	2019-20
0	0	0	0	0

File Description

Document

Upload supporting document

[View Document](#)

Institutional data in the prescribed format

[View Document](#)

3.2 Innovation Ecosystem

3.2.1

Institution has created an ecosystem for innovations, Indian Knowledge System (IKS), including awareness about IPR, establishment of IPR cell, Incubation centre and other initiatives for the creation and transfer of knowledge/technology and the outcomes of the same are evident

Response:

The Innovation council cell has been established in the institute, it plays vital role in nurturing young innovators. IIC conducts Innovation and entrepreneurship related activities, organizes workshops and seminars in order to enhance their innovation ideas and skills.

The Intellectual property Rights cell under ICC raises awareness about IP generation and transfer, safeguarding the institutions and innovators interest. IPR cell conducts various workshops and seminars for teaching staff and students.

Under TPO cell soft skill training provided to the students. The National Education Policy 2020 seminar was conducted for teaching and non-teaching for awareness and importance of NEP scheme.

Institute has signed MOU with industry. Industry Institution relationship works in the following areas.

- Industrial visit for students and faculties.
- Field visit for students.
- Site visit for students.

The various departments of the institution organized workshops, seminars, guest lectures and GATE exam guidance for students. Dignitaries from the various reputed institutions are invited to deliver special address to update the knowledge for the learners. These lectures spark off the creativity of the students and sharpen their innovativeness.

Other initiatives have taken by institute for creation and transfer of knowledge by organizing at national level TULTECH technical festival every year. Students got motivation to participate in project exhibitions, paper presentation, and poster presentation, robot race in this TULTECH technical festival.

The library is a store house of knowledge, it has 35354 books, and it has around 11 international and 31 national journals.

Laboratories in civil engineering, Mechanical Engineering, Electronics and Telecommunication Engineering and Computer science and engineering departments are modernized.

As an outcome our students improve their communication skills, leadership qualities along with presentation skills and qualified GATE examination. Our some student got first prize for innovation ideas, best project awards also

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

3.2.2

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

Response: 17

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

2023-24	2022-23	2021-22	2020-21	2019-20
6	5	3	2	1

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

3.3 Research Publications and Awards

3.3.1

Number of research papers published per teacher in the Journals notified on UGC care list during the last five years

Response: 0.47

3.3.1.1 Number of research papers in the Journals notified on UGC CARE list year wise during the last five years

2023-24	2022-23	2021-22	2020-21	2019-20
8	9	3	6	2

File Description	Document
Link to the uploaded papers, the first page/full paper(with author and affiliation details)on the institutional website	View Document
Link to re-directing to journal source-cite website in case of digital journals	View Document
Links to the papers published in journals listed in UGC CARE list or	View Document
Institutional data in the prescribed format	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

3.3.2

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

Response: 0

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

2023-24	2022-23	2021-22	2020-21	2019-20
00	00	00	00	00

File Description	Document
Institutional data in the prescribed format	View Document
Copy of the Cover page, content page and first page of the publication indicating ISBN number and year of publication for books/chapters	View Document

3.4 Extension Activities

3.4.1

Outcomes of Extension activities in the neighborhood community in terms of impact and sensitizing the students to social issues for their holistic development during the last five years.

Response:

Response :

Our College engaged (staff, students) with neighborhood Community for their holistic development and sustained Community development through different NSS activities. Major importance is given on students engagement and holistic development of students contributing to become good Citizenship. These activities started in our College under NSS unit in the year 1999 onwards, which is recognized by BATU, Lonere. The main aim of NSS unit is to develop the sense of Social & Civic responsibility in the students. The various activities like blood donation, Plantation of trees, cleanness of the surrounding areas of Campus., i.e. Swachata Abhiyan., Postic free compus, National Voters Day, Women's Day, Yoga Day, Shramndan, Health check up, AIDS Awareness, Environmental awareness, National integrity, Road Saftey. Covid-19, Computer training to school etc. more than 100 extension activities were conducted by NSS unit in the last 05 years of span.

NSS	No. of Extension Unit

Unit	2023-24	2022-23	2021-22	2020-21	2019-20
	32	34	33	20	07

Some of the best practices of extension activities for sensitizing students :

Covid-19 :-

In Covid-19 pandemic, staff visited to village, Tuljapur (S) distributed masks, leaflet of precaution and awareness of Covid-19, Sanitizers to protect the health. So staff students sense the purpose and the responsibility, importance of community services in the time of crises.

Shramdan :-

Under this the college arrange shramdan and cleanness activities to devotees coming walk from other state during Dasera festival. The effect of this, developed the sense of responsibility, team work, leadership skill also increases the self-discipline, time management.

Clean lines :-

Students staff taking physical efforts for maintaining clean and green campus. Effect of cleanness reduces the pollution, health maintains and holistic development.

Plastic free campus :-

NSS unit conducted a plastic awareness programme among the community. They taken pledge not to use plastic and harmful effect in the society, health and agriculture. The effect of this raising environmental awareness, reduces the use of plastic.

NSS Camp :-

STBCET college organized special camp at village Mangrul Tq. Tuljapur as a Swachata Abhiyan, Plantation, Yoga etc.

Blood Donation :-

Every year we conducted the Blood donation camp during the foundation day or Shivjayanti or Ganesh festival.

All these activities sensitize the students to social issue for their holistic development and also develop the all-round personality is the major outcome of all extension activities.

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

3.4.2**Awards and recognitions received for extension activities from government / government recognised bodies****Response:**

1. Maharashtra government has arranged 'Maharashtra Startup Yatra 2022' organized by Maharashtra State Innovation Society (MSInS) from 13 - 14 October 2022 in dharashiv district for this one of our college prof from Civil Engineering Department (Prof.D.C.Poul) got first prize at district level he owned Rs25,000/-for the same. His idea for startup was '**Mixed Organic Compost in 24 Hours by using Compost Machine for Municipal Solid Waste**' and he stood first in district. It was held under start up India Campion.
2. similarly students from our college from Civil Engineering Department Miss.fere rohini dagdu, Miss.sarkate akshara kailash, Miss.kapase ashwini baliram got first prize had got Rs 1,00,000/- cash prize combined for **preparation of bio gas from kitchen waste** in Maharashtra student innovation challenge 2023 organised by Maharashtra state innovation society department of skills employment entrepreneur ship and innovation government of Maharashtra.
3. similarly students from our college from Civil Engineering Department Mr.shubham Punjab zodge Mr.choudhari shivling vajinath Mr.suraj kamlkar sonwane had got Rs 1,00,000/- cash prize combined for **portable waste water treatment plant** in Maharashtra student innovation challenge 2023 organised by Maharashtra state innovation society department of skills employment entrepreneur ship and innovation government of Maharashtra
4. Similarly Prof. M.N. Karanjkar from ETC dept. had participated in **chess competition at international level** held at Sangli and had received first prize in unrated category in 19th Suraj International FIDE Rapid Rating Open Chess Tournament -2022 Event Code No.308895/MAH(R)2022 held on 24-25 Dec 2022.
5. Also Prof. M.N. Karanjkar from ETC dept. had participated in **chess competition at international level** held at Nerul and had received Consilated Prize (Gold Medal) in1000- 1400 rating category in 1st Tarabai Shinde FIDE Rapid Rating Chess Tournament, Nerul, Navi Mumbai on 31 March 2024

File Description**Document**

Upload Additional information

[View Document](#)**3.4.3**

Number of extension and outreach programs conducted by the institution through organized forums including NSS/NCC with involvement of community during the last five years.

Response: 18

3.4.3.1 Number of extension and outreach Programs conducted in collaboration with industry, community, and Non- Government Organizations through NSS/ NCC etc., year wise during the

last five years

2023-24	2022-23	2021-22	2020-21	2019-20
4	4	5	3	2

File Description	Document
Photographs and any other supporting document of relevance should have proper captions and dates.	View Document
Institutional data in the prescribed format	View Document
Detailed report for each extension and outreach program to be made available, with specific mention of number of students participated and the details of the collaborating agency	View Document

3.5 Collaboration**3.5.1**

Number of functional MoUs/linkages with institutions/ industries in India and abroad for internship, on-the-job training, project work, student / faculty exchange and collaborative research during the last five years.

Response: 19

File Description	Document
Summary of the functional MoUs/linkage/collaboration indicating start date, end date, nature of collaboration etc.	View Document
List of year wise activities and exchange should be provided	View Document
List and Copies of documents indicating the functional MoUs/linkage/collaborations activity-wise and year-wise	View Document
Institutional data in the prescribed format	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

Criterion 4 - Infrastructure and Learning Resources

4.1 Physical Facilities

4.1.1

The Institution has adequate infrastructure and other facilities for,

- teaching – learning, viz., classrooms, laboratories, computing equipment etc
- ICT – enabled facilities such as smart class, LMS etc.

Facilities for Cultural and sports activities, yoga centre, games (indoor and outdoor), Gymnasium, auditorium etc (Describe the adequacy of facilities in maximum of 500 words.)

Response:

Response :

As per the norms of AICTE, Institute has state of art infrastructural facilities for effective teaching learning ambiance which includes classrooms, laboratories, computing equipments .

Classrooms & Laboratory facilities

1. **Administrative Building** : There are 10 class rooms, all classrooms are equipped with desks, platform, fans, tube lights, white boards and equipped with CCTV cameras. Also well equipped Physics, Chemistry Lab, Drawing Hall, Tutorial Room and Seminar Hall are available in the same building.
2. **Civil Engineering Dept. & Computer Science Engineering Dept.** : There are 03 well furnished interactive class rooms, tutorial room and 07 well equipped laboratories with all equipments as per the university syllabus in Civil Engineering Dept. There are 07 well equipped computer laboratories with necessary applications and system softwares in Computer Science Engineering Dept. equipped with CCTV cameras.
3. **Electronics & Telecommunication Engineering Dept.** : There are 09 well laboratories with all equipments as per the university syllabus in the Dept.
4. **Mechanical Engineering Dept.** : There are 03 well furnished interactive class rooms, tutorial room and 07 well equipped laboratories with all equipments as per the university syllabus in the Dept.
5. **Central Workshop** : There are 05 shops viz. Carpentry, Welding, Blacksmithy, Turning, Foundry shop. Also there are 03 well equipped laboratories of Mechanical Engineering Dept.
6. **Library** : The Library is having a separate full-fledged spacious building. SLIM Software is used in Library. The Library has subscribed with National and International Technical Journals. There are 35,534 titles in Library. The Reading hall facility is also available.
7. **Computing facilities** : Total 353 computers (Intel Core i3 & Core i5) , 03 Servers, 25 Laser Printers with one plotter, 03 scanners,
- 8.

Other facilities :

2 Boys Hostels and 2 Girls Hostels for boarding of students.

Canteen facility

Training & Placement and Alumni Interaction Cell

Faculty members have separate cubicals.

In order to maintain uninterrupted power supply, generator having capacity of 25 KVA is available in the campus.

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

4.1.2

Percentage of expenditure for infrastructure development and augmentation excluding salary during the last five years

Response: 0

4.1.2.1 Expenditure for infrastructure development and augmentation, excluding salary year wise during last five years (INR in lakhs)

2023-24	2022-23	2021-22	2020-21	2019-20
0	0	0	0	0

File Description	Document
Institutional data in the prescribed format	View Document
Audited income and expenditure statement of the institution to be signed by CA for and counter signed by the competent authority (relevant expenditure claimed for infrastructure augmentation should be clearly highlighted)	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

4.2 Library as a Learning Resource

4.2.1

Library is automated with digital facilities using Integrated Library Management System (ILMS), adequate subscriptions to e-resources and journals are made. The library is optimally used by the faculty and students

Response:

Library

For overall smooth functioning of the library, it is divided into following five main sections and each section has its unique identity and with defined standard procedures the library works effectively and serves its patrons for information requirements.

1. Acquisition/ Processing Section
2. Circulation Section
3. Serial Section
4. Reference Section
5. ICT and Digital Section

The library of the college has its own mechanisms and system in place to identify the purchases based on the courses offered, check on the facilities to be provided for the students and the staff. Generally, the norms conform to the institutional policies and the policies of the parent body. Yearly statistics for

utilization of library resources helps in collection development policy of the library. Withdrawal of books and other reading material which is not useful for current references is done on a regular basis. A GR signed by the Library Committee and Head of the Institute initiates the withdrawal policy.

The Library is located in the spacious building consist two Reading Halls, two Stack Rooms, Circulation Section News Paper Section, Reprographic Section, Periodical Section, OPAC Section. All Library services are automated by using SLIM Software.

Special Features

Book Bank facility scheme funded by Government of Maharashtra for SC/ST Students.

Book Bank Scheme for First Five Class topper from SE to BE Classes.

Xerox facility is subsidized rates.

File Description	Document
Upload Additional information	View Document

4.3 IT Infrastructure

4.3.1

Institution frequently updates its IT facilities and provides sufficient bandwidth for internet connection

Describe IT facilities including Wi-Fi with date and nature of updation, available internet bandwidth within a maximum of 500 words

Response:

The upgrade of IT infrastructure has been the institute's main priority in order to guarantee a top-notch teaching and learning environment. The institute has licensed software and modified its hardware setups. The institute reviews changes in course needs and the present state of computer laboratories before implementing ideas and requirements from department heads, the IT in-charge, and lab assistants to ensure upgrades of the IT infrastructure.

The Board of Governance receives reports with recommendations and requirements from HODs, the IT coordinator, and lab assistants for consideration. The Institute improves IT infrastructure based on recommendations from BOG members. There are 353 desktop computers that are operational right now.

The Institute has a 100 Mbps internet connection and every department has 20 well-equipped computer labs with wired internet access that are accessible to staff and students, and all departments are connected by optical fiber utilizing star topology.

Wi-Fi facility : - The campus is equipped with Wi-Fi facility through the three access points which covers all the departments, campus and Boys Hostel area.

The IT infrastructure is regularly provided to the agencies like TCS, MHCET , MKCL etc. for conducting various online examinations on holidays..

The institute uses open source software and applications for numerous operations and activities. Each

department has at least one LCD projector to facilitate the teaching-learning process. Each department lab campus has full CCTV surveillance with HD cameras. Employees are tracked using a biometric attendance system.

IT infrastructure of Institute is as follows:

Sr. No	Particulars	Quantity
01	Desktop Computers	353
02	Printer	21
03	LCD Projector	21
04	Scanner	3
05	UPS and Inverter	1
06	Wi-Fi Access Point	3
07	System Software	07
08	Application Software	25

Up-gradation of bandwidth of internet connection is as follows:

Year	Internet Service Provider	Bandwidth
2023-24	Omkar Infotech Pvt Ltd Latur	100 mbps
2022-23	Omkar Infotech Pvt Ltd Latur	100 mbps
2021-22	Omkar Infotech Pvt Ltd Latur	100 mbps
2020-21	Omkar Infotech Pvt Ltd Latur	100 mbps
2019-20	Omkar Infotech Pvt Ltd Latur	100 mbps
2018-19	Omkar Infotech Pvt Ltd Latur	100 mbps

Up-gradation of bandwidth of internet connection is as follows:

Year	Internet Connection	Bandwidth
2023-24	BSNL	225 mbps

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

4.3.2**Student – Computer ratio (Data for the latest completed academic year)****Response:** 1.84**4.3.2.1 Number of computers available for students usage during the latest completed academic year:****Response:** 285

File Description	Document
Purchased Bills/Copies highlighting the number of computers purchased	View Document
Extracts stock register/ highlighting the computers issued to respective departments for student's usage.	View Document

4.4 Maintenance of Campus Infrastructure**4.4.1***Percentage expenditure incurred on maintenance of physical facilities and academic support facilities excluding salary component, during the last five years (INR in Lakhs)***Response:** 5.2**4.4.1.1 Expenditure incurred on maintenance of infrastructure (physical facilities and academic support facilities) excluding salary component year wise during the last five years (INR in lakhs)**

2023-24	2022-23	2021-22	2020-21	2019-20
0	5.43	32.066	0.665	0

File Description	Document
Institutional data in the prescribed format	View Document
Audited income and expenditure statement of the institution to be signed by CA for and counter signed by the competent authority (relevant expenditure claimed for maintenance of infrastructure should be clearly highlighted)	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

Criterion 5 - Student Support and Progression

5.1 Student Support

5.1.1

Percentage of students benefited by scholarships and freeships provided by the institution, government and non-government bodies, industries, individuals, philanthropists during the last five years

Response: 86.03

5.1.1.1 Number of students benefited by scholarships and freeships provided by the institution, Government and non-government bodies, industries, individuals, philanthropists during the last five years

2023-24	2022-23	2021-22	2020-21	2019-20
486	526	532	420	420

File Description

Document

Year-wise list of beneficiary students in each scheme duly signed by the competent authority.

[View Document](#)

Upload Sanction letter of scholarship and free ships (along with English translated version if it is in regional language).

[View Document](#)

Upload policy document of the HEI for award of scholarship and freeships.

[View Document](#)

Institutional data in the prescribed format

[View Document](#)

5.1.2

Following capacity development and skills enhancement activities are organised for improving students' capability

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

Response: A. All of the above

File Description	Document
Report with photographs on Programmes /activities conducted to enhance soft skills, Language and communication skills, and Life skills (Yoga, physical fitness, health and hygiene, self-employment and entrepreneurial skills)	View Document
Institutional data in the prescribed format	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

5.1.3

Percentage of students benefitted by guidance for competitive examinations and career counseling offered by the Institution during the last five years

Response: 76.36

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

2023-24	2022-23	2021-22	2020-21	2019-20
497	628	00	532	459

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

5.1.4

The institution adopts the following for redressal of student grievances including sexual harassment and ragging cases

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

Response: B. 3 of the above

File Description	Document
Proof w.r.t Organisation wide awareness and undertakings on policies with zero tolerance	View Document
Proof related to Mechanisms for submission of online/offline students' grievances	View Document
Proof for Implementation of guidelines of statutory/regulatory bodies	View Document
Details of statutory/regulatory Committees (to be notified in institutional website also)	View Document
Annual report of the committee motioning the activities and number of grievances redressed to prove timely redressal of the grievances	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

5.2 Student Progression

5.2.1

Percentage of placement of outgoing students and students progressing to higher education during the last five years

Response: 28.3

5.2.1.1 Number of outgoing students placed and / or progressed to higher education year wise during the last five years

2023-24	2022-23	2021-22	2020-21	2019-20
44	57	43	14	37

5.2.1.2 Number of outgoing students year wise during the last five years

2023-24	2022-23	2021-22	2020-21	2019-20
153	157	138	114	127

File Description	Document
Number and List of students placed along with placement details such as name of the company, compensation, etc and links to Placement order(the above list should be available on institutional website)	View Document
Institutional data in the prescribed format	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

5.2.2

Percentage of students qualifying in state/national/ international level examinations during the last five years

Response: 2.23

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

2023-24	2022-23	2021-22	2020-21	2019-20
9	1	0	0	1

File Description	Document
List of students qualified year wise under each category and links to Qualifying Certificates of the students taking the examination	View Document
Institutional data in the prescribed format	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

5.3 Student Participation and Activities

5.3.1

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

Response: 0

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

2023-24	2022-23	2021-22	2020-21	2019-20
0	0	0	0	0

File Description**Document**

Institutional data in the prescribed format

[View Document](#)**5.3.2**

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

Response: 2.8

5.3.2.1 Number of sports and cultural programs in which students of the Institution participated year wise during last five years

2023-24	2022-23	2021-22	2020-21	2019-20
6	4	4	0	0

File Description**Document**

Upload supporting document

[View Document](#)

Institutional data in the prescribed format

[View Document](#)

5.4 Alumni Engagement

5.4.1

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

Response:

Alumni association officially established as STB past students Manch, Tuljapur in the year 02-03-2004

and registered with charity commissioner office Osmanabad. (F-6064)

STBCET and the Alumni association jointly believe in creating and maintaining association with its alumni. The Alumni Association provides an interface for establishing a link between the alumni, staff, and students of the institute. STBCET alumni are currently working at various positions all over the globe and proving their mettle in all spheres of engineering and technology.

The Alumni Association Contribution through various means:-

1. **Book Donation:** Contribution by donating Books.
2. **Alumni Interaction:** Alumni of STBCET give inputs to aspiring ENGINEERING graduates. They are invited as resource persons at various events, guest lectures and panel discussions. They provide inputs and share their experiences regarding skills, recent technologies & trends in corporate world, application of knowledge and corporate working culture.
3. **Placement & Career Guidance Assistance:** Alumni are working in organizations at various capacities. They keep the faculties and the placement officer abreast about the available job opportunities. They assist and guide the students to crack the interviews. They also share their experience with the students and motivate them for their career development in various domains.
4. **Campus recruiters:** Alumni come to campus as recruiters for their companies and also recommend and promote STBCET to their employers for campus placements.
5. **Summer Internship Opportunities:** INTERNSHIP being a part of the Engineering curriculum; Alumni provide innumerable opportunities in various companies to the students.
6. **Entrepreneurship Awareness:** Some of our Alumni have established startups in different sectors, many of them are first generation entrepreneurs. They decided to become entrepreneurs during their academic span at stbcet. Through the journey as an entrepreneur they learnt various skills & knowledge. They enlighten the students with their success stories and challenges faced.
7. **Alumni Meet:** We at STBCET have a tradition of inviting alumni for Annual Alumni Meet .In this meet the alumni get chance to reconnect with the Alma mater and old friends. This is the best platform for networking and sharing new trends and current happenings in the corporate world. These inputs are helpful to academicians for mounding the aspiring students.
8. **Promoting Institute Events:** Alumni associates with various events conducted at STBCET. One of the mega events at STBCET “TULTECH” is a Technical event which is getting much more popular year after year.

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

Criterion 6 - Governance, Leadership and Management

6.1 Institutional Vision and Leadership

6.1.1

The institutional governance and leadership are in accordance with the vision and mission of the Institution and it is visible in various institutional practices such as NEP implementation, sustained institutional growth, decentralization, participation in the institutional governance and in their short term and long term Institutional Perspective Plan.

Response:

Response :

The Vision –

To achieve good standards of technical education keeping pace with rapidly changing technologies and create technical man power of global standards with capabilities of accepting new challenges.

The Mission –

To impart quality and value based education to raise satisfaction of all stake holders with special focus on rural masses. Our endeavor is to promote research and development activities and to provide all possible support to society at large.

1. **National Recognition** : The Institute has been recognized by NAAC for it's quality teaching-learning process and systems and it further strive to maintain and achieve further heights.
2. **Academic Excellence** : The Institute taking into account its experiences down the years has designed its own customized teaching-learning process. This pattern has ensured excellence results.
3. **Research** : The culture of research has been inculcated by the institute among both the faculties and students. The number of MOUs are signed.
4. **Personal Touch and Respect** : Interpersonal respect has been enriched in the culture of the institute with the motto of "Give Respect, Take Respect". Personal touch is maintained with all the stakeholders through regular proctor sessions of students where one to one interaction with mentor is possible, telephonic conservations with parents of absent students is done from time to time.

Governance

The Institute was established in 1983 by Shri Tulja Bhavani Temple Trust, Tuljapur. Hon. District Collector, Dharashiv is the Chairman of the Trust who aims at making technical education available to the students in rural areas with poor and needy background. The Institute is managed by Board of Governance comprising of the management member and eminent academicians, industry personnel and reserachers. They are always trying for shaping the vision and mission of the institute.

Perspective Plan

The perspective plan is prepared to meet the vision and mission of the institute.

Participation of the Teachers in the Decision making Bodies

- At the start of every semester in every academic year, a General meeting of all staff members is conducted, where academic policies of semester are framed.
- The active participation of teachers is also observed in various statutory committees of the institute, where various strategic decisions are taken.

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

6.2 Strategy Development and Deployment

6.2.1

The institutional perspective plan is effectively deployed and functioning of the institutional bodies is effective and efficient as visible from policies, administrative setup, appointment, service rules, and procedures, etc

Response:

Shri Tuljabhavani College of Engineering stands as a paragon of effective strategic deployment and governance, underscoring its commitment to educational excellence and community integration. **The institute's operational framework, governed by the Shri Tuljabhavani Temple Trust** and adhering to established norms, exemplifies a well-structured approach to higher education management and regulation.

At the heart of the college's strategic planning is a comprehensive perspective plan that aligns with both immediate educational needs and long-term institutional goals. This plan emphasizes the development of academic programs, enhancement of infrastructure, and improvement of student services. The systematic approach ensures that resources are allocated efficiently, and initiatives are implemented effectively, thus promoting a robust educational environment.

The governance of Shri Tuljabhavani College of Engineering is overseen by the S.T.B. Temple Trust, chaired by the Hon. District Collector. This governance structure includes a distinguished board of five members: **Hon. Dist. Collector (Chairman), Hon. S.D.O. of Dharashiv, The Tahasildar of Tuljapur, The Hon. M.L.A. of Tuljapur,** and The city ??mayor of Tuljapur. The presence of these prominent local officials not only provides strategic oversight but also integrates the college with regional development efforts and community needs. The Hon. District Collector, as chairman, plays a pivotal role in steering the institution towards achieving its strategic objectives while ensuring alignment with local and district-level priorities.

The college's **adherence to the Maharashtra Civil Services Rules (MCSR)** guidelines reflects its commitment to maintaining high standards in education and governance. MCSR regulations provide a framework for ensuring academic integrity, quality, and operational transparency. By following these guidelines, the college guarantees that its academic programs and administrative processes are in line with state education policies and standards.

Furthermore, the **college adheres to University Grants Commission (UGC) norms** for staff appointments, ensuring a fair and rigorous selection process. Faculty recruitment is conducted through UGC interviews, which are aligned with the All-India Council for Technical Education (AICTE) regulations. This process ensures that **the hiring of academic staff is based on merit and qualifications**, contributing to the overall quality of education provided by the institution.

The well-established Board of Governance at the college plays a crucial role in overseeing and implementing the strategic plan. This board ensures that all aspects of the college's operations, from academic programs to administrative functions, are managed effectively and in accordance with regulatory requirements.

Shri Tuljabhavani College of Engineering exemplifies effective strategic deployment and governance through its alignment with MCSR guidelines, adherence to UGC and AICTE norms, and its structured oversight by the S.T.B. Temple Trust. The college's approach ensures that it not only meets educational standards but also contributes positively to regional development, reflecting a well-balanced integration of educational excellence and community engagement.

File Description	Document
Institutional perspective Plan and deployment documents on the website	View Document

6.2.2

Institution implements e-governance in its operations

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

Response: A. All of the above

File Description	Document
Screen shots of user interfaces of each module reflecting the name of the HEI	View Document
Institutional expenditure statements for the budget heads of e-governance implementation ERP Document	View Document
Annual e-governance report approved by the Governing Council/ Board of Management/ Syndicate Policy document on e-governance	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

6.3 Faculty Empowerment Strategies

6.3.1

The institution has performance appraisal system, effective welfare measures for teaching and non-teaching staff and avenues for career development/progression

Response:

The Institution has an effective Performance Appraisal System for teaching and non-teaching staff since 1997-98.

The Performance Appraisal System for **Non-Teaching** staff is implemented as per guidelines issued by the Government of Maharashtra's Higher and Technical Education and Employment Department on 24 March 1997. The Institution has adopted the Confidential Report. The System which is implemented in the Government Engineering Colleges in Maharashtra state.

As per assessment of the non-teaching staff, his/her annual increments are sanctioned.

The Performance Appraisal System for **Teaching** staff is implemented as per guidelines issued by the Government of Maharashtra's Higher and Technical Education and Employment Department on 24 March 1997. The Institution has adopted the Performance Appraisal System which is implemented in the Government Engineering Colleges in Maharashtra state. In this Performance Appraisal System realistic and quantitative evaluation of performance of a teaching staff is possible.

In the present system, not only the performance of a teaching staff relating with the academic work is evaluated but also relating with the research, seminar, trainings, extra co-curricular activities, administrative functioning etc. The maximum weight is given to the teaching-learning activities and due

weight is also given to other activities.

The data required for filling up performance appraisal report is obtained from the records maintained by concern teaching staff; such as lectures delivered, student attendance, examination results, extra co-curricular activities, administrative functioning, research work, seminar/conferences attended or organized, etc. The data maintained by teaching staff is regularly authenticated by HOD and Principal. At the end of academic year, teaching staff is required to fill up the Appraisal Form and is to be submitted to the HOD, who is the Reporting Officer. HOD verifies data filled and forwards Appraisal Form to the Principal, who is the Reviewing Officer. Finally, as per assessment of the teaching staff, his/her annual increments are sanctioned.

Evaluation of a teacher is done at different administrative levels, such as by Reporting Officer and Reviewing Officer. For e.g. in case of Assistant Professor and Associate Professor, Head of the Department (HOD) is the Reporting Officer and Principal is the Reviewing Officer.

The Group insurance scheme is applicable for regular teaching & non-teaching staffs also the EPF Pension scheme is implemented for teaching & Non-teaching staffs for their welfares.

The faculty is promoted for higher studies/ Courses like, FDP/ Refresher Courses/ Orientation Programs/Workshop/Seminars/PHD, Research work etc. by giving some financial assistance and duty leave is given to such an aspirants by the institution.

The Wi-Fi system is available in the college premises viz. Principal Office, All Departments, Boys and Girls Hostel and it's easy for access 24 X 7 Hrs.

The Canteen facility is available in the college premises.

The consultancy services, technical sanctions and material testing is conducted in Civil Engg. Dept. and the revenue generated from it is given 50 % to concerned staff and 50% to the college.

File Description	Document
Upload Additional information	View Document

6.3.2

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

Response: 1.63

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

2023-24	2022-23	2021-22	2020-21	2019-20
0	4	0	0	0

File Description	Document
Institutional data in the prescribed format	View Document
Copy of letter/s indicating financial assistance to teachers and list of teachers receiving financial support year-wise under each head.	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

6.3.3

Percentage of teaching and non-teaching staff participating in Faculty development Programmes (FDP), Management Development Programmes (MDPs) professional development /administrative training programs during the last five years

Response: 27.6

6.3.3.1 Total number of teaching and non-teaching staff participating in Faculty development Programmes (FDP), Management Development Programmes (MDPs) professional development /administrative training programs during the last five years

2023-24	2022-23	2021-22	2020-21	2019-20
16	29	14	20	22

6.3.3.2 Number of non-teaching staff year wise during the last five years

2023-24	2022-23	2021-22	2020-21	2019-20
20	21	26	27	27

File Description	Document
Institutional data in the prescribed format	View Document
Copy of the certificates of the program attended by teachers.	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

6.4 Financial Management and Resource Mobilization

6.4.1

Institution has strategies for mobilization and optimal utilization of resources and funds from various sources (government/ nongovernment organizations) and it conducts financial audits regularly (internal and external)

Response:

Institution strategies for mobilization and optimal utilization of resources

All the HODs look after the proper utilization of classrooms and laboratories under his department. The Library staff takes care that the resources in library are utilized optimally. To ensure the optimum utilization of resources, the Principal issues directions as per necessity.

Institution strategies for mobilization and optimal utilization of funds from various sources (Government and Non-Government organizations)

Institute Sources of funds are as follows:

1. Fees: Fees from students
2. State government: Fees from Students scholarships
3. Shri Tuljabhavani Temple Trust, Tuljapur.

The main source of funds for institute is the fees received from students. As per government policy, fees of students from categories (SC, ST, OBC, NT, VJ etc) and fees of Economically Backward open category students comes from State Government. Institute also uses its faculty members and available infrastructure for generation of funds. The institute provides consultancy services. Institute has a well-defined policy for distribution of funds generated through such consultancy activities. Shri Tuljabhavani Temple Trust provides funds for development of infrastructure of the Institute.

Shri Tuljabhavani College of Engineering, Tuljapur mobilizes its funds received mainly from Students, Shri Tuljabhavani Temple Trust, Tuljapur and State government (student scholarship). These funds are spent on payment of salary of teaching and non-teaching staff, maintenance and development of college. Funds are utilized to meet day to day operational and administrative expenses. The Purchase Committee takes care that purchases are done properly and in accordance with the rules. The College follows transparency in use of funds.

These funds are spent with budget allocation on various Heads of Expenditures. Budget of various Heads of Expenditures are prepared at the beginning of each financial year and accordingly provisions are made in the Budget. College has different college level Committees as per the order of Chairman Hon. District collector. The budget is prepared by Head of departments and different Committees as per the requirement and prepared budget is submitted to principal. The entire budget is sanctioned by college trustees and Chairman. The management suggests corrective measures if required.

Financial audits

Financial audits are conducted by a chartered accountant every financial year to verify compliance with established processes. Fund are mobilized as per Government rules only after approval of Government Account officer of Shri Tuljabhavani Temple Trust, Tuljapur. The college has a well formulated financial policy which ensures effective and optimal utilization of funds for academic, administrative and development purpose which help ultimately in realizing the institute vision.

File Description	Document
Upload Additional information	View Document

6.5 Internal Quality Assurance System

6.5.1

Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing the quality assurance strategies and processes. It reviews teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals and records the incremental improvement in various activities

Response:

STBCET has established IQAC as per guidelines of NAAC in 2018. IQAC develops a system for conscious, consistent and catalytic improvement in overall performance of institute.

IQAC conducts regular meetings to review/discuss Teaching Learning activities and suggests actions to be taken. In addition, discussions on student centric practices, value addition programs, assessment methodologies and innovative teaching methods are carried out. IQAC insisting to all teachers to maintain course file for achieving the goal of outcome based education. IQAC is motivating all faculties and student to go for various refresher courses online as well as offline mode. The result of IQAC effort many of faculty and students joined and certified in NPTEL courses. It has also conducted expert talk on IPR, for faculty members and students. IQAC also conducted expert lecture on research methodology to brief students and faculties about process of research work viz. literature review, data collection, data analysis and design of experiment.

IQAC reviews institutional processes with help of various committees to ensure proper conduct of

academic. Through internal meetings, feedback mechanisms and external audits, IQAC has identified areas of improvement. IQAC has contributed in revising 'Roles and Responsibilities of local Guardian' which has helped to strengthen the mentoring students to resolve their local issues. Roles and Responsibilities of Class Coordinator' are defined to ensure improved students attendance and effective academic conduct at class level. All of the above efforts of IQAC reduced the burden of higher administrator.

IQAC developing mechanisms for evaluation of continuous assessment and attainment of learning outcomes. IQAC has organized sessions on Outcomes Mapping and Attainment Calculations. This has resulted in improvements in student performance and satisfaction.

All documents are maintained properly at department level under the vigilance of IQAC. Regular Meetings of IQAC are conducted and Documentation of minutes of meeting is mentioned. Every year IQAC prepares and submits 'Annual Quality Assurance Report (AQAR)' as per NAAC.

Overall benefits of IQAC are listed below.

- 1.Ensures accountability and transparency in institutional working process.
- 2.Credibility of institute is enhanced.
- 3.Teaching learning process will be improved.
- 4.Facillates student empowerment and participation.

Hence IQAC plays vital role in ensuring the quality of education in the institute. It helps to improve the culture of quality, accountability, transparency and overall reputation of institute.

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

6.5.2

Quality assurance initiatives of the institution include:

- 1.Regular meeting of Internal Quality Assurance Cell (IQAC); quality improvement initiatives identified and implemented**
- 2.Academic and Administrative Audit (AAA) and follow-up action taken**
- 3.Collaborative quality initiatives with other institution(s)**
- 4.Participation in NIRF and other recognized rankings**
- 5.Any other quality audit/accreditation recognized by state, national or international agencies such as NAAC, NBA etc.**

Response: B. Any 3 of the above

File Description	Document
Quality audit reports/certificate as applicable and valid for the assessment period.	View Document
NIRF report, AAA report and details on follow up actions	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

Criterion 7 - Institutional Values and Best Practices

7.1 Institutional Values and Social Responsibilities

7.1.1

Institution has initiated the Gender Audit and measures for the promotion of gender equity during the last five years.

Describe the gender equity & sensitization in curricular and co-curricular activities, facilities for women on campus etc., within 500 words

Response:

MEASURES INITIATED FOR THE PROMOTION OF GENDER EQUITY

Gender equity

We follow the concept of gender equity by providing different facilities. In our college through curricular and co-curricular activities, we promote, encourage gender equity. We need education seriously to focus on promoting the equal participation of women and men in making decisions, reducing enrolment gap between women's and men's access; giving equality in learning process, educational outcomes and external results; and providing equal benefits for both sexes. To encourage, support to make available different opportunities in terms of economic, social, cultural and political developments in order to achieve gender equity.

Curricular activities

We conduct seminar, TPO activities to enhance skill of the all students and maintain gender equity also. Many girls enthusiastically participated in different activities.

Awareness program

Awareness program and Workshop on gender sensitivity are regularly organized in campus.

Facilities for the women.

1. Students have dress code as sky blue shirt and navy blue pant or same colours Punjabi dress.
2. Teaching and non teaching staff have purple colours saree or suit.
3. Helpers also have navy blue Punjabi dress code.
4. Identity card is compulsory to all. Having important details in it.
5. For the security of all women in the college we have 24 hours watchmen, guards.
6. We provide equal opportunities to participate in curricular and co-curricular activities.
7. Girls admission increased due to many facilities as we ensure them about their bright future.
8. Pink pathak-

we have special cell to stop sexual harassment. It has meeting monthly

1. Tultech participation –

Maximum girls participated in different technical competition and programmed.

Other facilities for women in campus

1. CCTV Camera-

CCTV cameras are available in campus in order to avoid any anti social activity.

1. First Aid-

First aid boxes are available at every departments in the college.

1. Hostel-

F.Y. Girls and DSY girls have free hostel for one year. other girls have affordable fees Rs. 8000/- yearly.

1. Committee-

From the students for the students here are members who are part of committee of different problem solving.

1. Common Room –

We have common study and reading room for the girls. Boys also have their common room for reading and study

1. Sanitary pads-

Sanitary pads are available at low cost

1. Canteen Facility –

canteen is available in low cost at hostel Rs. 1200 to 1500 Monthly. It provides fresh, healthy, hygienic food in breakfast lunch and dinner.

1. Committee-

Different committees include girls students as members along with women faculty members.

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

7.1.2

The Institution has facilities and initiatives for

- 1. Alternate sources of energy and energy conservation measures**
- 2. Management of the various types of degradable and nondegradable waste**
- 3. Water conservation**
- 4. Green campus initiatives**
- 5. Disabled-friendly, barrier free environment**

Response: A. 4 or All of the above

File Description	Document
Policy document on the green campus/plastic free campus.	View Document
Geo-tagged photographs/videos of the facilities.	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

7.1.3

Quality audits on environment and energy regularly undertaken by the Institution. The institutional environment and energy initiatives are confirmed through the following

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

Response: B. Any 3 of the above

File Description	Document
Report on Environmental Promotional activities conducted beyond the campus with geo tagged photographs with caption and date	View Document
Policy document on environment and energy usage Certificate from the auditing agency	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

7.1.4

Describe the Institutional efforts/initiatives in providing an inclusive environment i.e., tolerance

and harmony towards cultural, regional, linguistic, communal socioeconomic and Sensitization of students and employees to the constitutional obligations: values, rights, duties and responsibilities of citizens (Within 500 words)

Response:

Cultural:

- The institution has been arranging different sports, cultural activities, and State level technical festivals (Tul-tech) inside the college for every year to promote harmony with each other.
- The institute has celebrated commemorative days like women's day, Yoga day, environmental day along with many regional festivals.

Regional:

- Institution has planted 500-600 sampling of all Desi Tree including Kadu limb, Chinch, Vad, Pimpal, Sagvan, Ashok and some decorative plant will make environment clean and beautiful which also leads to control the pollution of the surrounding.
- Institution has been working under NSS activity to regional rural area to aware villiagers about their child education, hygiene, computer tranining to school students etc.

Linguistic:

- The institution has many students comes acroos state, so their linguistic skill are different with each other so to work upon that and bring all students on to same standard of global English language by creating and maintaining Language Lab in the institute.
- The institute has always been encourages to studetns with diffirent linguistic skill must be know by the students because of lots of devotees comes across the nation in the city, so to deal with them and increase business activity this skill is essential.

Communal Socioeconomic:

- The institution has been arranges state level free competitive exam preparation and preparation of aptitude training by our pride alumini and staff to the poor needy students
- The institution has been frequentlyh given seminar/webinar on career counseling and about admission to diploma and engineering students. This will be more benefited to the society

Values:

- The institution provides an affordable learning environment to society by providing major concessions on their tuition fees based on their 12th Marks for first-year admission and final year diploma marks.
- Under the scheme of "Beti Bachao Beti Padavo," the Institution has given a one-year free hostel facility to all admitted girl students in the institute.

Right:

- The institution has arranged various Seminars/webinars/Workshops/Interactive activities for our

students to improve their employability skills and also motivate them towards fulfilling the need of society.

- The institution has National Service Scheme(NSS), through this NSS camp, students and college staff members are more connect with rural areas to aware the villagers about the importance of child education, cleaning, computer training, etc.

Duties:

- The institutional staff member Prof. D. C. Poul awarded in Maharashtra Startup Yatra 2022 prize for their innovation in waste management and creation of bio fertilizer.
- The institutional student Krushna Deshpande, B.Tech CSE has created 'safety sensor based touchscreen Integrated multifeatured dual mode watch system' that has many application in the society and for that he achived patent for this device

Responsibility:

- The institute has organized a blood donation camp every year to create awareness in students and staff about somebody's life and help them in case of any requirement of blood.
- The institution has planted near about 500-600 sampling of various desi trees in college and hostel campus premises to make the environment clean, beautiful, healthy, and sound resistant.

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

7.2 Best Practices

7.2.1

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

Response:

First Best Practice

1. Title of thePractice:Student Training program:

Shri Tuljabhavani college of engineering TPO cell arranges various training programs every year in our college students(FY B.Tech to Final Year B.Tech)for the placement of students in reputed companies.

2. Objectives of the Practice

- To make students industry ready.
- To increase soft skill and presentation skill and communication skill in the students.
- To increase technical knowledge of students.
- To help students for preparing competitive exams.

3. The Context:

After gaining technical knowledge of curriculum student lacks industry knowledge so it is must to fill the gap between what they teach in curriculum and what industry want from student.

4. The Practice:

- Arranging Technical Training.
- Arranging of soft skill.
- Arranging seminar on communication skill.
- Arranging of Certificate course.
- Arranging of life skill.
- Arranging of seminar/workshop.
- Arranging of Expert Lecture.
- Arranging of Alumni Guidance.
- Arranging of Competitive guidance.

5. Evidence of Success

- As a outcome of these best practices placement is increased in every year.

Second Best Practice

1. Title of the Practice: Women empowerment

The STB college of engineering provides various facilities to girl students for the women empowerment.

2. Objectives of the Practice

- To empower the girl students for safety environment.
- To empower the girl students to minimise education cost.
- To empower girl students minimum hostel fees.
- To empower girl students minimum mess fees.

3. The Context:

Now a days womens are facing problem of voilence so they are suffering from unavoidable different incidances as they are lack of knowledge due to lack of higher syudies so if we educate the girl she will become empower.

4. ThePractice:

- For first year or DSE girl student for one year hostel is totally free.
- After this she has to pay very less cost rs. 8000/- per year for hostel.
- The girl students has to pay very less mess charges due to cooperative mess in hostel the charge is rs. 1400/- it includes two time tea one breakfast lunch and dinner.

5. Evidence of Success:

So currently there is increase in admission in our college of the girl students year by year. In 2023-24 girlstudents were 273 and boys students were 280. Hence the ratio of male to female is 1 : 0.975

File Description	Document
Any other relevant information	View Document

7.3 Institutional Distinctiveness

7.3.1

Portray the performance of the Institution in one area distinctive to its priority and thrust within 1000 words

Response:

Vision: To achieve good standards of technical education keeping pace with rapidly changing technologies and create technical man power of global standards with capabilities of accepting new

challenges.

1. The Context

The institute is located in the rural Marathwada region of Maharashtra, which includes eight districts: Aurangabad, Jalna, Beed, Parbhani, Nanded, Latur, Osmanabad, and Hingoli. The college itself is situated in Tuljapur, Osmanabad district. Most students admitted to the college come from rural and agricultural backgrounds.

The majority of agriculture in Marathwada relies on monsoon rains. Without adequate irrigation, crops are vulnerable to the variability of rainfall, leading to inconsistent yields.

Frequent droughts exacerbate the challenges faced by farmers. With limited or no irrigation, drought conditions result in significantly reduced crop production and increased financial stress for farmers.

The lack of irrigation facilities limits the ability to grow crops throughout the year and restricts productivity. Farmers are unable to capitalize on multiple cropping seasons, which could otherwise enhance their income.

Industrial development in Marathwada has been relatively slow compared to other regions in Maharashtra, such as Pune or Mumbai. The region's economic background is heavily influenced by its reliance on agriculture, challenges related to water scarcity, and sluggish industrial growth, all of which contribute to economic instability.

Recognizing these socio-economic problems, Tuljabhavani Temple Trust's and our college chairman designed a scholarship scheme for meritorious students in Marathwada region and also for Maharashtra, starting from the academic year 2017-18. This scholarship program has been modified over time to better meet the needs of the students and academic quality atmosphere of institute. The said scholarship is applicable for the academic year 2024-2025 too. The scholarship aims to support students from rural and agricultural backgrounds, helping them overcome financial barriers and pursue higher and technical education, thereby contributing to the region's long-term socio-economic development.

1. Scholarship Details:-

Shree Tuljabhavani Temple trusts Scholarship to Meritorious students.

1. Scholarship Scheme Features :

- This scheme is for Maharashtra students only.
- This Scholarship awarded on the basis of marks secured in MHCET examination for FY B.Tech Admission
- This Scholarship awarded on the basis of marks secured in Diploma examination for DSY B.Tech Admission
- This Scholarship is continued on the condition that student has to pass in first attempt with minimum of 8 CGPA.
- There is no cost for hostel accommodation for girls admitting for First year and DSY Engg

lateral entry

1. Educational Eligibility:

1. Eligibility for FY B Tech student for Scholarship

2. Student Must Pass 12 Science with PCM subject
3. Student must have appropriate MHCET Score

Following Table Shows for Scholarship Scheme for FY B.Tech Admission

Sr. No	Sum of Percentile of (Phy + Chem + Math)	Scholarship On Tuition Fess
1	Above 175	100%
2	151 to 175	75%
3	126 to 150	50%
4	100 to 125	25%

Note- This scheme continues to support students as long as they maintain a CGPA of 8 or above and pass all their courses in a single attempt each year

1. Eligibility for DSY B .Tech student for Scholarship Scheme.

1. Student Must Pass Diploma.

Following Table Shows for Scholarship Scheme for DSY B .Tech Admission

Sr. No	Diploma Marks %	Scholarship On Tuition Fess
1	Above 85%	100%

2	80%to 85%	75%
3	75 % to 80 %	50%
4	70 % to 75%	25%

Note- This scheme continues to support students as long as they maintain a CGPA of 8 or above and pass all their courses in a single attempt each year

1. Year wise Financial Support. :-

Number of beneficiary of Our Scholarship from last 7 year

Sr. NO	Acad. Year	Particulars	No Of Student	Scholarship Amount
1	2023-24	Tuition Fees	301	4434278
		Hostel Fees	70	560000
2	2022-23	Tuition Fees	285	6797888
		Hostel Fees	90	720000
3	2021-22	Tuition Fees	198	4450290
		Hostel Fees	91	728000
4	2020-21	Tuition Fees	135	5327660
		Hostel Fees	61	488000
5	2019-20	Tuition Fees	83	3251794
		Hostel Fees	71	568000
6	2019-18	Tuition Fees	49	1709028
		Hostel Fees	53	424000
7	2017-18	Tuition Fees	76	1310088
		Hostel Fees	57	456000
Total			1249	26230748/-

Till date, an amount of ₹26,230,748/- has been endowed as scholarships to 1,249 students

1. Evidence Of Success.

- **Access to Higher Education:** Our Scholarships make higher education accessible to students from rural and poor economic background, which might otherwise be unable to afford it. This opportunity to pursue advanced studies opens doors to more career options and higher earning potential.

- **Academic Achievement:** Students who receive scholarships often perform better academically, as the financial support allows them to focus more on their studies. Higher academic achievement can lead to further educational opportunities, such as graduate or professional degrees, which further enhance career prospects
- **Result Improvement:** Scholarships provides individual motivation to improve personal result to continue with scholarship. This financial support also helps in improving institute overall result performance.
- **Placement Record Improved:** Scholarships alleviate financial pressures, allowing students to concentrate fully on their academics without the distraction of part-time work. Higher academic performance often correlates with better job opportunities post-graduation.

1. Challenges and Threats:

The scholarship scheme faces potential threats such as funding challenges, economic instability, and changes in regulatory policies. As current scholarship is provided on only merit Based criteria so real aspirants in financial crises. Proactive management and diversification of funding sources are essential for maintaining the scholarship effectiveness and sustainability.

File Description	Document
Any other relevant information	View Document

5. CONCLUSION

Additional Information :

Memorandum of Understanding:

The institute has MoUs more than 24 with research organizations / institutes / industries including Indian Institute of Tropical Meteorology (IITM), Maharashtra Center for Entrepreneurship Development (MCED), College of Engineering Pune (COEP), Various Government Polytechnics, Sapours Technology etc.

Societal Connect:

This is the first Institute in the state to establish in rural area, which helps poor, needy and meritorious student in terms of financial support from Shri Tulja Bhavani Temple Trust and alumnae. Various technical services and sanctions of Shri Tulja Bhavani Temple Trust is provided by college without any charge. Institute has started National Social Services (NSS) to provide social work services to rural area.

Under NEP – 2020 awareness programme Institute visited various junior science colleges, to meet the goal, to achieve 100% gross enrolment ratio in school education by 2030.

NAAC

Institute has been accredited by NAAC also currently reapply for second cycle of NAAC.

Eco system

Institute maintain pollution free environment by maintaining greenery in campus, plantation and rain water harvesting.

LED tube and lights and bulbs have been used in the campus to reduce the power consumption.

Institute ensures continuous electricity through 40 KVA diesel generator. R.O. plant is provided in the college campus and hostel. Institute also maintain plastic , tobacco free campus.

Concluding Remarks :

The institute has various committees such as BOG, admission committee, academic development committee, discipline and monitoring committee, AICTE committee, Cultural and social activity committee, student feedback committee, university corresponding committee, fund raising and entrepreneur development committee, social media committee and university local enquiry committee, FRA, training and placement office cell, TULTECH event committee, gymkhana and NSS committee, website development committee, civil repair and maintenance committee, college and hostel campus cleaning committee, college and campus tree plantation and conservation committee, purchase management committee.

To promote the holistic development of the college, various committees have been constituted by hon. Chair person. These committees will focus on different aspects of college growth and improvement, ensuring comprehensive approach to development.

IQAC plays an important role for sustaining and enhancing the quality on various fronts. Institute follows the MCSR rules and code of conduct of the institute. Institute also follows the OBE as per the AICTE policy.

Teachers have been using ICT tools for delivering the courses. The preparation of the question papers is also done on the basis of Blooms Taxonomy and CO based. Also used CO and PO attainment.

Institute encourages the faculty and students to attend workshops, FDPs and conferences.

Institute also established Institute Innovation Cell (IIC) to convert innovative ideas into products. Institute also takes care of academic and overall development of students. TPO provides necessary training to the student for proper placement and personality development.

6.ANNEXURE

1.Metrics Level Deviations

Metric ID	Sub Questions and Answers before and after DVV Verification																				
1.2.1	<p>Number of Certificate/Value added courses offered and online courses of MOOCs, SWAYAM, NPTEL etc. (where the students of the institution have enrolled and successfully completed during the last five years)</p> <p>Answer before DVV Verification : 47 Answer After DVV Verification :36</p>																				
1.2.2	<p><i>Percentage of students enrolled in Certificate/ Value added courses and also completed online courses of MOOCs, SWAYAM, NPTEL etc. as against the total number of students during the last five years</i></p> <p>1.2.2.1. Number of students enrolled in Certificate/ Value added courses and also completed online courses of MOOCs, SWAYAM, NPTEL etc. as against the total number of students during the last five years</p> <p>Answer before DVV Verification:</p> <table border="1"> <thead> <tr> <th>2023-24</th> <th>2022-23</th> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> </tr> </thead> <tbody> <tr> <td>492</td> <td>806</td> <td>288</td> <td>340</td> <td>286</td> </tr> </tbody> </table> <p>Answer After DVV Verification :</p> <table border="1"> <thead> <tr> <th>2023-24</th> <th>2022-23</th> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> </tr> </thead> <tbody> <tr> <td>484</td> <td>632</td> <td>624</td> <td>267</td> <td>199</td> </tr> </tbody> </table>	2023-24	2022-23	2021-22	2020-21	2019-20	492	806	288	340	286	2023-24	2022-23	2021-22	2020-21	2019-20	484	632	624	267	199
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1.3.2	<p>Percentage of students undertaking project work/field work/ internships (Data for the latest completed academic year)</p> <p>1.3.2.1. Number of students undertaking project work/field work / internships Answer before DVV Verification : 420 Answer after DVV Verification: 418</p> <p>Remark : Edited after rechecking of documents.</p>																				
2.4.1	<p>Percentage of full-time teachers against sanctioned posts during the last five years</p> <p>2.4.1.1. Number of sanctioned posts year wise during the last five years</p> <p>Answer before DVV Verification:</p> <table border="1"> <thead> <tr> <th>2023-24</th> <th>2022-23</th> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> </tr> </thead> <tbody> <tr> <td>42</td> <td>47</td> <td>54</td> <td>56</td> <td>57</td> </tr> </tbody> </table> <p>Answer After DVV Verification :</p> <table border="1"> <thead> <tr> <th>2023-24</th> <th>2022-23</th> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	2023-24	2022-23	2021-22	2020-21	2019-20	42	47	54	56	57	2023-24	2022-23	2021-22	2020-21	2019-20					
2023-24	2022-23	2021-22	2020-21	2019-20																	
42	47	54	56	57																	
2023-24	2022-23	2021-22	2020-21	2019-20																	

44	48	49	57	55
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Remark : Edited as per supporting documents provided.

2.6.3

Pass percentage of Students during last five years (excluding backlog students)

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

Answer before DVV Verification:

2023-24	2022-23	2021-22	2020-21	2019-20
163	157	138	114	127

Answer After DVV Verification :

2023-24	2022-23	2021-22	2020-21	2019-20
153	157	138	114	127

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

Answer before DVV Verification:

2023-24	2022-23	2021-22	2020-21	2019-20
153	173	138	114	139

Answer After DVV Verification :

2023-24	2022-23	2021-22	2020-21	2019-20
163	179	138	114	139

3.1.1

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

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

Answer before DVV Verification:

2023-24	2022-23	2021-22	2020-21	2019-20
1	1.576	0.165	0	0

Answer After DVV Verification :

2023-24	2022-23	2021-22	2020-21	2019-20
0	0	0	0	0

3.2.2

Number of workshops/seminars/conferences including on Research Methodology, Intellectual

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

Answer before DVV Verification:

2023-24	2022-23	2021-22	2020-21	2019-20
21	19	15	11	15

Answer After DVV Verification :

2023-24	2022-23	2021-22	2020-21	2019-20
6	5	3	2	1

Remark : Edited as per documents provided.

3.3.1 Number of research papers published per teacher in the Journals notified on UGC care list during the last five years**3.3.1.1. Number of research papers in the Journals notified on UGC CARE list year wise during the last five years**

Answer before DVV Verification:

2023-24	2022-23	2021-22	2020-21	2019-20
9	11	3	8	2

Answer After DVV Verification :

2023-24	2022-23	2021-22	2020-21	2019-20
8	9	3	6	2

Remark : Edited as per supporting documents provided.

3.3.2 Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during last five years**3.3.2.1. Total number of books and chapters in edited volumes/books published and papers in national/ international conference proceedings year wise during last five years**

Answer before DVV Verification:

2023-24	2022-23	2021-22	2020-21	2019-20
02	00	06	00	00

Answer After DVV Verification :

2023-24	2022-23	2021-22	2020-21	2019-20

00	00	00	00	00
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3.4.3 ***Number of extension and outreach programs conducted by the institution through organized forums including NSS/NCC with involvement of community during the last five years.***

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

Answer before DVV Verification:

2023-24	2022-23	2021-22	2020-21	2019-20
31	24	27	11	07

Answer After DVV Verification :

2023-24	2022-23	2021-22	2020-21	2019-20
4	4	5	3	2

Remark : Edited as per documents provided.

3.5.1 ***Number of functional MoUs/linkages with institutions/ industries in India and abroad for internship, on-the-job training, project work, student / faculty exchange and collaborative research during the last five years.***

Answer before DVV Verification : 35

Answer After DVV Verification :19

4.1.2 ***Percentage of expenditure for infrastructure development and augmentation excluding salary during the last five years***

4.1.2.1. Expenditure for infrastructure development and augmentation, excluding salary year wise during last five years (INR in lakhs)

Answer before DVV Verification:

2023-24	2022-23	2021-22	2020-21	2019-20
0	7	32	0	8.35

Answer After DVV Verification :

2023-24	2022-23	2021-22	2020-21	2019-20
0	0	0	0	0

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

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

(INR in lakhs)

Answer before DVV Verification:

2023-24	2022-23	2021-22	2020-21	2019-20
0	0.23	0	0	0

Answer After DVV Verification :

2023-24	2022-23	2021-22	2020-21	2019-20
0	5.43	32.066	0.665	0

5.1.2 ***Following capacity development and skills enhancement activities are organised for improving students' capability***

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

Answer before DVV Verification : A. All of the above

Answer After DVV Verification: A. All of the above

5.1.3 **Percentage of students benefitted by guidance for competitive examinations and career counseling offered by the Institution during the last five years**

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

Answer before DVV Verification:

2023-24	2022-23	2021-22	2020-21	2019-20
497	628	00	690	468

Answer After DVV Verification :

2023-24	2022-23	2021-22	2020-21	2019-20
497	628	00	532	459

5.1.4 ***The institution adopts the following for redressal of student grievances including sexual harassment and ragging cases***

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

Answer before DVV Verification : A. All of the above

Answer After DVV Verification: B. 3 of the above

Remark : Edited as per documents provided.

5.2.1	<p>Percentage of placement of outgoing students and students progressing to higher education during the last five years</p> <p>5.2.1.1. Number of outgoing students placed and / or progressed to higher education year wise during the last five years Answer before DVV Verification:</p> <table border="1" data-bbox="306 389 1046 524"> <thead> <tr> <th>2023-24</th> <th>2022-23</th> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> </tr> </thead> <tbody> <tr> <td>50</td> <td>69</td> <td>66</td> <td>57</td> <td>54</td> </tr> </tbody> </table> <p>Answer After DVV Verification :</p> <table border="1" data-bbox="306 602 1046 736"> <thead> <tr> <th>2023-24</th> <th>2022-23</th> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> </tr> </thead> <tbody> <tr> <td>44</td> <td>57</td> <td>43</td> <td>14</td> <td>37</td> </tr> </tbody> </table> <p>5.2.1.2. Number of outgoing students year wise during the last five years Answer before DVV Verification:</p> <table border="1" data-bbox="306 815 1046 882"> <thead> <tr> <th>2023-24</th> <th>2022-23</th> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	2023-24	2022-23	2021-22	2020-21	2019-20	50	69	66	57	54	2023-24	2022-23	2021-22	2020-21	2019-20	44	57	43	14	37	2023-24	2022-23	2021-22	2020-21	2019-20					
2023-24	2022-23	2021-22	2020-21	2019-20																											
50	69	66	57	54																											
2023-24	2022-23	2021-22	2020-21	2019-20																											
44	57	43	14	37																											
2023-24	2022-23	2021-22	2020-21	2019-20																											
5.2.2	<p>Percentage of students qualifying in state/national/ international level examinations during the last five years</p> <p>5.2.2.1. Number of students qualifying in state/ national/ international level examinations year wise during last five years (eg: IIT/JAM/NET/SLET/GATE/GMAT/GPAT/CLAT/CAT/GRE/TOEFL/ IELTS/Civil Services/State government examinations etc.) Answer before DVV Verification:</p> <table border="1" data-bbox="306 1202 1046 1337"> <thead> <tr> <th>2023-24</th> <th>2022-23</th> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> </tr> </thead> <tbody> <tr> <td>10</td> <td>3</td> <td>0</td> <td>0</td> <td>1</td> </tr> </tbody> </table> <p>Answer After DVV Verification :</p> <table border="1" data-bbox="306 1415 1046 1550"> <thead> <tr> <th>2023-24</th> <th>2022-23</th> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> </tr> </thead> <tbody> <tr> <td>9</td> <td>1</td> <td>0</td> <td>0</td> <td>1</td> </tr> </tbody> </table>	2023-24	2022-23	2021-22	2020-21	2019-20	10	3	0	0	1	2023-24	2022-23	2021-22	2020-21	2019-20	9	1	0	0	1										
2023-24	2022-23	2021-22	2020-21	2019-20																											
10	3	0	0	1																											
2023-24	2022-23	2021-22	2020-21	2019-20																											
9	1	0	0	1																											
5.3.2	<p>Average number of sports and cultural programs in which students of the Institution participated during last five years (organised by the institution/other institutions)</p> <p>5.3.2.1. Number of sports and cultural programs in which students of the Institution participated year wise during last five years Answer before DVV Verification:</p> <table border="1" data-bbox="306 1827 1046 1962"> <thead> <tr> <th>2023-24</th> <th>2022-23</th> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> </tr> </thead> <tbody> <tr> <td>15</td> <td>14</td> <td>24</td> <td>0</td> <td>0</td> </tr> </tbody> </table> <p>Answer After DVV Verification :</p> <table border="1" data-bbox="306 2040 1046 2085"> <thead> <tr> <th>2023-24</th> <th>2022-23</th> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	2023-24	2022-23	2021-22	2020-21	2019-20	15	14	24	0	0	2023-24	2022-23	2021-22	2020-21	2019-20															
2023-24	2022-23	2021-22	2020-21	2019-20																											
15	14	24	0	0																											
2023-24	2022-23	2021-22	2020-21	2019-20																											

2023-24	2022-23	2021-22	2020-21	2019-20
6	4	4	0	0

Remark : Edited after rechecking of documents.

6.2.2 ***Institution implements e-governance in its operations***

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

Answer before DVV Verification : A. All of the above

Answer After DVV Verification: A. All of the above

2.Extended Profile Deviations

ID	Extended Questions																				
1.1	<p>Number of students year wise during the last five years</p> <p>Answer before DVV Verification:</p> <table border="1"> <thead> <tr> <th>2023-24</th> <th>2022-23</th> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> </tr> </thead> <tbody> <tr> <td>553</td> <td>636</td> <td>639</td> <td>535</td> <td>488</td> </tr> </tbody> </table> <p>Answer After DVV Verification:</p> <table border="1"> <thead> <tr> <th>2023-24</th> <th>2022-23</th> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> </tr> </thead> <tbody> <tr> <td>524</td> <td>632</td> <td>624</td> <td>532</td> <td>459</td> </tr> </tbody> </table>	2023-24	2022-23	2021-22	2020-21	2019-20	553	636	639	535	488	2023-24	2022-23	2021-22	2020-21	2019-20	524	632	624	532	459
2023-24	2022-23	2021-22	2020-21	2019-20																	
553	636	639	535	488																	
2023-24	2022-23	2021-22	2020-21	2019-20																	
524	632	624	532	459																	
2.1	<p>Expenditure excluding salary component year wise during the last five years (INR in lakhs)</p> <p>Answer before DVV Verification:</p> <table border="1"> <thead> <tr> <th>2023-24</th> <th>2022-23</th> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> </tr> </thead> <tbody> <tr> <td>150</td> <td>189</td> <td>68</td> <td>80</td> <td>300</td> </tr> </tbody> </table> <p>Answer After DVV Verification:</p> <table border="1"> <thead> <tr> <th>2023-24</th> <th>2022-23</th> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> </tr> </thead> <tbody> <tr> <td>109.18</td> <td>136.67</td> <td>59.53</td> <td>128</td> <td>300</td> </tr> </tbody> </table>	2023-24	2022-23	2021-22	2020-21	2019-20	150	189	68	80	300	2023-24	2022-23	2021-22	2020-21	2019-20	109.18	136.67	59.53	128	300
2023-24	2022-23	2021-22	2020-21	2019-20																	
150	189	68	80	300																	
2023-24	2022-23	2021-22	2020-21	2019-20																	
109.18	136.67	59.53	128	300																	