SELF STUDY REPORT

FOR

1st CYCLE OF ACCREDITATION

THEJUS ENGINEERING COLLEGE

THEJUS ENGINEERING COLLEGE, VELLARAKKAD P.O., THRISSUR, KERALA 680584
www.thejusengg.com

Submitted To

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

BANGALORE

June 2024

1. EXECUTIVE SUMMARY

1.1 INTRODUCTION

Thejus Engineering College, an educational institution established by the Cheruvathur Foundation Trust, is a mark of social commitment of an NRI businessman Shri. C. C. Thampi. The objective of founding the Trust itself was the fulfillment of the childhood desire of Shri. C. C. Thampi, who is a native of Kunnamkulam, to provide affordable technical education to the studious and needy young generation of the area.

Thejus Engineering College, established in the year 2009 starting with 4 branches of Undergraduate Engineering courses, is the first educational institution of the Cheruvathur Foundation. The College got its approval from AICTE and Government of Kerala and also affiliation from the University of Calicut.

After the commencement of APJ Abdul Kalam Technological University(APJAKTU) by the Government of Kerala in 2015, Thejus Engineering College got affiliated to APJAKTU, known as KTU in short. During the last academic year the college offered 5 UG and 3 PG programmes.

The College is a Self-financing Engineering College and is controlled and regulated by the rules and regulations framed for such colleges by the Higher Education Department, Government of Kerala.

The college is located at Vellarakkad in a spacious and scenic parcel of land measuring 10.3 acres adjacent to the State Highway SH 50 from Kunnamkulam to Wadakkanchery. This strategic location is an added convenience to the student community for their daily commuting needs.

Since the goal of the founders in starting the college is to create world-class engineers, every effort was made in creating world-class infrastructure for the college. Spacious Classrooms, Seminar Halls, well-stocked library, state-of-the-art equipment in the laboratories and workshops, sufficient computing facilities, uninterrupted power supply, sufficient internet connectivity with provision for alternative service provider in case of downtime, are the main features of the physical infrastructure of the college. In terms of intellectual infrastructure, the college has high-profile faculty members with bright academic backgrounds, reinforced by rich teaching/industrial experience.

Automated Library Management System, project labs, language laboratory, student chapters of professional bodies, and other co-curricular resources supplement the outcome based teaching learning process of the college.

Vision

To groom globally competent and socially committed professionals by providing premium professional education in engineering & technology.

Mission

To provide our students a firm grounding in scientific & mathematical fundamentals, expertise in analysis,

synthesis & design of engineering systems and exposure to current engineering practice, cutting-edge engineering research & technology and entrepreneurship.

1.2 Strength, Weakness, Opportunity and Challenges(SWOC)

Institutional Strength

- Top class physical infrastructure
- Best Intellectual infrastructure
- Certification with ISO 9001:2015
- Strategic location with direct access from SH50
- Eco-friendly and spacious campus
- NPTEL Study Centre
- IEDC under Kerala Startup Mission
- Tie-up with Industries for visits and internships
- Dedication and commitment of the Management towards quality of education

Institutional Weakness

- Non residential campus for faculty members
- Lack of freedom in development of curriculum
- Shortage of research activities
- Lack of externally funded research projects

Institutional Opportunity

- Increase in demand for engineering graduates
- Increase interest from impoverished students in rural and urban areas towards technical education.

- Large number of Alumni interacting with industry and effectively engaging for placement of students and address issues of employability of engineering graduates
- Interaction with industries to promote faculty and student exchange programmes.

Institutional Challenge

- Public apathy towards engineering education in core branches and resultant reduction in admissions
- Balancing the income with expenditure due to reduction in admission and fees
- Inability to improve the curriculum incorporating latest technologies in the field
- Apathy of Government and University towards Self-financing colleges
- Excessive number of engineering institutions in the nearby areas
- Global opportunities for higher studies

1.3 CRITERIA WISE SUMMARY

Curricular Aspects

The College is associated with APJ Abdul Kalam Technological University and follows its syllabus. The university's academic calendar guides the planning and execution of various academic and extracurricular activities.

Subject/course distribution is based on the faculty's specialisation, expertise, and preferences, as well as the courses specified in the syllabus. The timetable schedule committee prepares the timetable. According to the KTU academic calendar, each faculty member creates lesson plans. Classes are delivered using both lecturing and ICT-based methods. Laboratory experiments are carried out in accordance with the curriculum and reference lab manuals prepared by the appropriate department. The college's exam cell conducts the internal exam. Before being sent to the exam cell, question papers prepared by relevant faculty are reviewed by a HOD appointed inspection committee. The outcomes of internal examinations are monitored, and feedback is collected on a regular basis.

The institution urge our students to work on socially meaningful projects. Students are also encouraged to use library resources to learn more about topics other than those covered in the syllabus. In addition to the central library, each department has its own library to help its students and faculty. Both students and faculty members can use digital libraries that contain e-books and e-journals. The college also has an active NPTEL programme and encourages students to pursue MOOC courses. Additional courses, seminars, workshops, and expert presentations are also offered to help students enhance their expertise. PTA meetings are held to discuss student academic progress and other issues. The college encourages academic members to attend FDPs/workshops to keep their skills updated.Thejus Engineering College has taken efforts to incorporate cross-cutting challenges

like gender, environment, sustainability, human values, and professional ethics, wherever possible into the curriculum.

Teaching-learning and Evaluation

To improve the teaching-learning process, the college gives individual attention to each student. To acclimatise first-year students to the overall educational system, induction events are set up for them prior to the start of regular sessions. Outcome-based education and evaluation strategies are used to improve student learning outcomes by increasing their knowledge and abilities. Programme outcomes (PO) as given by the university is followed and Programme Specific Outcomes (PSOs) are developed by each department. The faculty prepare course outcomes for each subject or as specified in the university's curriculum using Bloom's taxonomy. Students are supervised from the time they enrol until they complete their programme. A faculty member is assigned as a tutor to a group of 30 pupils.

Tutorial hours are efficiently used to discover each student's strengths and limitations. Fast learners are urged to sign up for MOOC courses. Special attention is provided for slow learners, as well as remedial sessions to improve their performance. Interactive learning is integrated by encouraging students to attend workshops, seminars, and quiz competitions, as well as by organising college Tech fests and department association events. The college's language lab offers students a solid foundation for practical language study to improve their listening and speaking abilities effectively. Industrial trips and seminars are scheduled to familiarise participants with the present state-of-the-art scenario. At Thejus, every effort to use ICT-enabled technologies in teaching and learning is made.

The evaluation method is transparent. Students are evaluated using a continuous assessment system that includes written exams, class seminars, and assignments. Internal assessment marks are prepared by the faculty administering the course in strict compliance with university norms. Each practical experiment is evaluated using the parameters specified in the university's syllabus. A committee is formed to evaluate both the project and the seminar. Class committee and course committee sessions follow the KTU calendar. Students' grievances about internal marks are addressed prior to publication.

Research, Innovations and Extension

The institution has created an ecosystem for innovation by establishing the Innovation and Entrepreneurship Development Center (IEDC), Industry-Institute Interaction Cell (IIIC), and Institution's Innovation Council (IIC). These play pivotal roles in fostering innovation and facilitating knowledge transfer among students and teachers. As members of the IIIC cell, the students have exposure to contemporary trends and have the opportunity to choose careers. The IEDC provides a variety of resources to help students pursue entrepreneurial goals. The college has an IoT lab and an incubation centre for the benefit of students. The college provides consulting services so that students can participate and obtain practical experience. The training and workshops are arranged in association with Kerala Startup Mission which provides grants to students to pursue their own ideas for projects. The IIC promotes a culture of innovation across the campus through various initiatives such as innovation promotion programs, interdisciplinary research projects, and innovation competitions.

Several activities are planned in the institution under the auspices of various clubs, such as the National Service Scheme (NSS), Eco Club, etc. to raise awareness of social concerns among students by expanding their activities to the surrounding community. NSS in college is quite active, carrying out a variety of socially

relevant projects. This makes the students aware of today's societal challenges. They celebrate many important days and raise awareness about themes such as gender equality, the value of the girl child, the necessity of cleanliness in society, road safety, and so on. Swachh Bharat Mission is a massive mass movement that seeks to create clean India. They had undertaken the construction of a house at Kololamba, Malappuram district and constructed a toilet at Velur panchayath. NSS team joined with Saksharatha Mission to conduct classes for adults in Government boys high school, Kunnamkulam.

In August 2018, the college's personnel and students actively participated in flood-related activities. The college has given campus buses as transportation resources to rural communities. College students and staff contributed to the flood relief activities of the Kerala Government.

Infrastructure and Learning Resources

Thejus Engineering College since its inception has had rich physical and infrastructure facilities to meet the requirements of the University to which it is affiliated and of other statutory bodies like AICTE. The college campus spans 10.3 acres and boasts of superior infrastructure, well-equipped laboratories, cutting-edge computational facilities, and so on. The institution has a completely automated library that includes e-books, journals, and magazines. The library provides adequate resources for students to study for competitive exams. Regional language books are also available. The campus is WiFi-enabled, with plenty of computers and camera surveillance. Separate hostels for boys and girls students are available inside the campus. Campus is friendly for differently-abled. Canteen, store and reprographic center are available inside the college campus. The college has been chosen as an examination centre for government and public sector online exams.

College offers extracurricular activities to help students develop a good mindset, increase creativity, and improve their academic performance. Courts and playgrounds for various sports such as cricket, football, badminton, basketball, and volleyball have been provided. Every year sports and games for students are organised.

The college's cleaning services have been outsourced. An in-house Maintenance Engineer, System Administrator, and technician are assigned to maintain the infrastructure facilities, computers, and equipment. An electrician is assigned to monitor the condition of the college's electrical fixtures and connections. A Doctor on Call facility manages medical emergencies, and an ambulance is available on site. A student counsellor who ensures the emotional well-being of the students and staff is appointed in the college.

Sanitary napkin vending machine has been placed to promote health and cleanliness. Laboratories and workshops in the college are well-maintained by lab staff, and the faculty member in charge of each lab monitors them. All equipments are calibrated as needed. The college's electrical and civil maintenance are handled by the maintenance engineer. The IT department maintains all departments' computers on a regular basis.

Student Support and Progression

Thejus Engineering College is a student-centric institution and always takes sustained efforts for academic excellence of students. The institution ensures that students are represented and engaged in different administrative, co-curricular, and extracurricular activities through Thejus Engineering College's Student Council. Every year, the student council elections are held in the parliamentary system. The student council

organises a variety of activities such as cultural festivals, Techfests, sports days, and commemorates notable days. Every year, the institution publishes a campus magazine with the assistance of the editorial board which serves as a platform for students and faculty to showcase their creative abilities. The journal includes poems, articles, short tales, short essays, book reviews, information on the activities of numerous societies and clubs at the college, and an extensive photo gallery that provides glimpses of campus life. Additionally many transparent mechanisms like Students' Grievances Cell, Anti-Ragging Cell, Sexual Harassment Prevention Forum, Women Empowerment Cell, Anti-ragging Cell etc. functioning in the college ensures the welfare of the student community. The college guarantees that SC/ST/OBC scholarships awarded by the Indian government and the state government are promptly paid. Every year, meritorious students of the institution get merit prizes.

The college has established a separate language lab for improvement of language and communication skills of students. Various sessions are arranged to familiarise students with basic aspects of life skills, thereby enabling them to apply life skills to the present day complicated contemporary living system. A number of students have advanced to higher education and gained jobs after passing competitive examinations at the national and international levels. The college's Alumni Association provides a venue for former students to maintain a positive relationship with the university and discuss mutual interests. College hosts alumni meetings on a regular basis. Alumni members help the Innovation and Entrepreneurship Development Cell to plan technical programmes. The college's placement cell offers on-campus placements as well as placement-related training.

Governance, Leadership and Management

Thejus Engineering College is an educational project of the Cheruvathur Foundation established in the year 2009. The college is approved by AICTE and affiliated to APJ Abdul Kalam Technological University (KTU). This is a self-financing institution aiming at grooming students with social commitment and providing quality education in engineering and technology. This institution nurtures excellence in academics, develops innovative thinking and entrepreneurship in students, and also extends consultancy services.

The strategic planning is done by the governing body of the college. Based on the strategic plan the Chairman/Managing Trustee and Executive Trustee take decisions and arrange funds. Execution is done through the Director / Principal by the academic council. The Academic Council and IQAC set benchmarks for academic, extracurricular and co-curricular activities to ensure quality. The academic and administrative activities of the institution are decentralized.

Management is always open to discussions with the Principal and HODs. This in turn encourages the involvement of the staff for quality improvement. Management Representatives are involved in maintaining quality and welfare aspects of the institute. The principal drives all the academic and non-academic activities with the assistance of HODs and faculty members. Students, alumni, and parents actively participate in committees such as the anti-ragging committee, PTA committee, grievance redressal committee, etc.

The learning process is monitored by the HODs with the support of senior faculty. The implementation of various activities covered under the quality policy is recorded in prescribed quality formats and maintained properly and audited by IQAC. Different committees are formed for effective functioning by appointing senior faculty and heads of various departments. Outcome Based Education is practiced in the institution.

The institute follows a strict financial discipline in its activities. The management makes an annual budget for the recurring as well as non-recurring expenditures. The expenditure is monitored by way of monthly statements and remedial measures are taken to ensure that the expenditure is restricted to the main revenue

source, as far as possible.

Institutional Values and Best Practices

Thejus Engineering College is committed to promoting gender equity and takes the social responsibility of reacting to the events happening in the society by various activities. The institution has a policy of appreciating faculty members and students without gender bias. Women faculty members are nominated as head of the departments and conveners of various committees based on their ability. Various programmes are organised by the students of this institution to inculcate a sense of gender equity in society. Celebrating National and International Commemorative Days in college fosters a sense of unity, cultural understanding, and respect among students. We take great pride and give importance in celebrating National and International Commemorative Days. The college is well aware of the cultural and regional values and their influence on the younger generation and promotes various events and festivals to ensure it. The college has taken steps to utilise renewable energy sources and plays great care in energy conservation. Solar power generating system, Sensor based solar street lights, and APFC power station are installed in the campus. Use of LED bulbs and power efficient equipment within the buildings as well as around the campus is also prompted. The institution has taken various steps to implement sustainable waste management methods. Bio gas plants, waste segregation and disposal systems, solid waste incinerator, waste recycling, sewage treatment plants and sanitary napkin dispensers are some of the systems adopted for efficient waste management. Effective water conservation programmes like rain water harvesting system and waste water recycling systems are installed in the campus. Various green campus initiatives are also adopted here and takes great effort in promoting environmental activities beyond our campus.

The two best practices successfully implemented by the Institution:

1) TEC-Startup which includes Voco band - band which converts the sign language to audio for the disabled. Baklink- a web developing platform, Candynow-an online store for candies, Mini vehicle polishing & grooming machine, Entice Grub-a web services platform.

2) NSS of our college has constructed a house as a part of Swapna Bhavana Nirmana Padhathi at Kolalamba, Malappuram district in 2020.

2. PROFILE

2.1 BASIC INFORMATION

Name and Address of the College	
Name	THEJUS ENGINEERING COLLEGE
Address	THEJUS ENGINEERING COLLEGE, VELLARAKKAD P.O., THRISSUR, KERALA
City	THRISSUR
State	Kerala
Pin	680584
Website	www.thejusengg.com

Contacts for Communication					
Designation	**Name**	**Telephone with STD Code**	**Mobile**	**Fax**	**Email**
Principal	VIJAYAN P	04885-260100	7510670003	4885-267102	info@thejusengg.ac.in
IQAC / CIQA coordinator	GEETHA P R	04885-260135	9446874595	-	hodcivil@thejusengg.com

Status of the Institution	
Institution Status	Private and Self Financing

Type of Institution	
By Gender	Co-education
By Shift	Regular

Recognized Minority institution	
If it is a recognized minroity institution	No

Establishment Details

State	University name	Document
Kerala	A.P.J. Abdul Kalam 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	10-06-2023	12	EOA for the next academic year will be available on first week of June

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	THEJUS ENGINEERING COLLEGE, VELLARAKKAD P.O., THRISSUR, KERALA	Rural	10.3	21631

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	BTech,Civil Engineering,	48	plus two	English	60	9
UG	BTech,Computer Science And Engineering,	48	plus two	English	90	80
UG	BTech,Electrical And Electronics Engineering,	48	plus two	English	30	8
UG	BTech,Mechanical Engineering,	48	plus two	English	60	19
UG	BTech,Electronics And Computer Engineering,	48	plus two	English	60	24
PG	Mtech,Civil Engineering, Structural Engineering	24	B Tech	English	18	4
PG	Mtech,Civil Engineering, Geotechnical Engineering	24	B Tech	English	18	0
PG	Mtech,Computer Science And Engineering,Computer Science And Engineering	24	B Tech	English	18	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	0				0				0			
Recruited	0	0	0	0	0	0	0	0	0	0	0	0
Yet to Recruit	0				0				0			
Sanctioned by the Management/Society or Other Authorized Bodies	8				3				140			
Recruited	8	0	0	8	3	0	0	3	50	90	0	140
Yet to Recruit	0				0				0			

Non-Teaching Staff				
	Male	Female	Others	Total
Sanctioned by the UGC /University State Government				0
Recruited	0	0	0	0
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				47
Recruited	33	14	0	47
Yet to Recruit				0

Technical Staff				
	Male	**Female**	**Others**	**Total**
Sanctioned by the UGC /University State Government				0
Recruited	0	0	0	0
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				36
Recruited	26	10	0	36
Yet to Recruit				0

Qualification Details of the Teaching Staff

Permanent Teachers										
Highest Qualification	**Professor**			**Associate Professor**			**Assistant Professor**			
	Male	Female	Others	Male	Female	Others	Male	Female	Others	Total
D.sc/D.Litt/ LLD/DM/MCH	0	0	0	0	0	0	0	0	0	0
Ph.D.	7	0	0	2	0	0	1	1	0	11
M.Phil.	0	0	0	0	0	0	0	1	0	1
PG	7	0	0	3	0	0	42	60	0	112
UG	0	0	0	0	0	0	0	0	0	0

Temporary Teachers										
Highest Qualification	**Professor**			**Associate Professor**			**Assistant Professor**			
	Male	Female	Others	Male	Female	Others	Male	Female	Others	Total
D.sc/D.Litt/LLD/DM/MCH	0	0	0	0	0	0	0	0	0	0
Ph.D.	1	0	0	0	0	0	0	0	0	1
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	1	0	0	0	0	0	8	30	0	39
UG	0	0	0	0	0	0	0	0	0	0

Part Time Teachers										
Highest Qualification	**Professor**			**Associate Professor**			**Assistant Professor**			
	Male	Female	Others	Male	Female	Others	Male	Female	Others	Total
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**	**Others**	**Total**
	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	73	0	19	0	92
	Female	39	0	7	0	46
	Others	0	0	0	0	0
PG	Male	1	0	0	0	1
	Female	3	0	0	0	3
	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	0	1	0	2
	Female	0	1	1	1
	Others	0	0	0	0
ST	Male	0	0	0	0
	Female	0	0	0	0
	Others	0	0	0	0
OBC	Male	31	56	29	72
	Female	17	56	30	75
	Others	0	0	0	0
General	Male	20	30	17	53
	Female	6	19	19	43
	Others	0	0	0	0
Others	Male	1	0	1	0
	Female	1	0	0	0
	Others	0	0	0	0
Total		76	163	97	246

Institutional preparedness for NEP

1. Multidisciplinary/interdisciplinary:	To inculcate social, human, moral, and intellectual values among students, the curriculum offers flexibility to choose subjects from engineering to science and humanities for students. The purpose of including all these is to make the students creative and skillful. The students have ample choice to select Minor Degrees with a Multidisciplinary / Interdisciplinary nature, Honors Degrees with Specialisation, and Interdisciplinary Courses so that the students from one discipline can study the subjects of other disciplines. Additionally, a group of interdisciplinary courses, known as Open Electives are available.
2. Academic bank of credits (ABC):	Not implemented by university
3. Skill development:	Thejus has been constantly striving to provide contemporary skill development to the students. Mandatory Internship/Industrial Training gives opportunities for the student to get exposure in the industrial arena as well. Various activities like industrial visits, seminars, workshops, and technical talks are delivered to students by various clubs like IIIC, IEDC, IIC, etc. Department association activities are conducted to enhance the problem solving and coding skills of students. In addition, design projects and main projects in the curriculum serve as a major platform to sharpen problem solving skills. Students are also given opportunities to showcase their skill by conducting Tech Fest every year. The college also encourages faculty members to take part in FDPs, workshops, etc. Faculty members are also encouraged to use their expertise in solving problems faced by industries, thus creating opportunities for consultancy.
4. Appropriate integration of Indian Knowledge system (teaching in Indian Language, culture, using online course):	Induction programmes are conducted every year for newly joined students. Faculty members have participated in the translation of textbooks organised by AICTE and translation of NPTEL courses offered by IIT MADRAS to regional languages. National festivals and regional festivals are celebrated in the college with great pride and joy. Special lectures are given to the students by faculty members on days of national importance.
5. Focus on Outcome based education (OBE):	Outcome based education and evaluation methods are adopted to maximize student learning outcomes by developing their knowledge and skills. Course

	outcomes are shared with students through google classroom. Question papers are prepared based on the Bloom's Taxonomy and each question is categorized by the COs. To facilitate continuous improvement in attainment of COs, target levels are set for each CO by the faculty based on the previous student performance and nature of the course. Assessment tools are categorized into Direct and Indirect methods. Direct method is a measurable student performance indicator based on internal and external examinations, tutorials, assignments, seminar, etc. Indirect method is a measurable student performance based on student exit survey, alumni survey, employer survey, student's feedback, etc.
6. Distance education/online education:	The institution has all the necessary infrastructure and necessary tools to offer online education. The institution was highly successful in offering online classes through platforms such as Zoom, Google Meet, Microsoft Teams, etc. Each department has smart class room with audio visual aids and internet facility. In addition, every department is provided with laptops and projector. Faculties are encouraged to use google class room for providing learning materials and submission of assignments.

Institutional Initiatives for Electoral Literacy

1. Whether Electoral Literacy Club (ELC) has been set up in the College?	Yes
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?	Yes. ELC is functioning in our College.
3. What innovative programmes and initiatives undertaken by the ELCs? These may include 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	Awareness class conducted on Electoral Rights

citizens, etc.	
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.	Yes
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.	Majority of students possess election voter ID card.

Extended Profile

1 Students

1.1

Number of students year wise during the last five years

2022-23	2021-22	2020-21	2019-20	2018-19
513	646	868	1192	1402

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: 151

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

2022-23	2021-22	2020-21	2019-20	2018-19
64	86	96	100	121

3 Institution

3.1

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

2022-23	2021-22	2020-21	2019-20	2018-19
165.56	116.45	126.75	341.36	382.97

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:

Thejus Engineering College is affiliated to APJ Abdul Kalam Technological University (KTU) from 2015 onwards and follows the curriculum and syllabi prescribed by the University. Before that the college was affiliated to the University of Calicut. The college has initiated various steps to ensure outcome-based education and to strengthen the teaching-learning process in the following ways;

- The KTU provides an academic calendar, based on which the college prepares the college academic calendar. This calendar stipulates the college working days, date of commencement of the academic session, duration of semester, period of internal assessment tests, final semester examinations, extra curricular activities, etc.

- Subject/course allocation is done through online collection of subject preferences among the faculty, and finally fixed after a formal staff meeting chaired by HOD well before the commencement of the semester.

- The Timetable Committee prepares the timetable and gets the sanction of the HOD’s and the Principal. The approved timetable is circulated among the faculty members well in advance.

- Lesson plan is prepared with well defined course outcomes, specifying the teaching methods and is verified by the HOD. Course files prepared by the faculty members are audited by KTU internal and external auditors.

- Classroom lectures with chalk and board method, slide presentation and demonstration using working models and prototypes are followed. Learning materials and assignments are shared to students through google classroom. Animated videos are shown to understand the concept easily.

- Laboratory work demonstrates how theoretical concepts can be verified by experiments.

- To update the recent trends in technologies and to improve the students soft skills, seminars are being conducted for final year UG and PG students in all programs.

- Class committee meetings and course committee meetings for students are conducted twice in a semester and suggestions given in the meetings are taken care of.
- Student’s academic performance is monitored effectively and is categorized.
- Guest lectures by industrial experts, workshops, add on courses and industrial visits are conducted to bridge the gap between curriculum and industry.
- Two internal exams are conducted by the exam cell. To maintain the quality, the internal exam question papers are approved by question paper scrutiny committee of IQAC before sending it to the exam cell.
- PTA meeting is conducted once in a semester to discuss students’ academic progress and other matters. Progress reports for the internal exams are given to the parents to apprise them about their wards’ performance.
- Result analysis is carried out for each batch and discussed in the faculty meeting for corrective measures.
- Institution always encourages and supports the faculties to attend FDP/ workshops to keep up with the current the technologies. The college also conducts FDP in collaboration with professional bodies for the upgradation of faculty members.
- Central library with digital e-books and e-journals are available to both students and faculty members. College also has an active NPTEL chapter and has purchased resources for the easy access of students.
- An effective student feedback system is implemented for better performance of faculty members and is monitored by the HOD's and the Principal.

File Description	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: 34

File Description	Document
List of students and the attendance sheet for the above mentioned programs	View 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
Evidence of course completion, like course completion certificate etc. Apart from the above:	View Document

Other Upload Files	
1	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: 6.06

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

2022-23	2021-22	2020-21	2019-20	2018-19
13	12	18	164	73

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:

Thejus Engineering College has taken efforts to incorporate cross cutting issues such as Gender, Environment and Sustainability, Human values and Professional Ethics wherever possible into the curriculum.

Professional Ethics & Human Values

Curriculum includes a course Professional Ethics to create awareness on professional ethics and human values to the students. Charity programs are conducted every year in association with NSS of the college. Also students visit old age homes, orphanages etc. for celebrations. This campus is declared as tobacco-free campus the students association has a great role to play in this. Awareness programs are initiated by NSS regarding drugs and related things. Traffic, Fire and safety orientation programs are given to students. Students are given awareness classes on importance of yoga in daily life, and the International Yoga Day is celebrated with student participation. Orientation classes on the effective parenting method are given to parents during the induction program. Students are motivated to do socially relevant projects in most of the departments. This gives an opportunity to the students to deal with the problems of the society and to find a technical solution for the same. The students actively participated in flood relief activities of Kerala State Government during the 2018 and 2019 floods.

Gender Equity

Equal opportunities are given to both the genders in terms of admissions, employment, training programmes and sports activities. College supports women faculty and girl students to become member in Women's Club and encourages them to participate in events focusing on women empowerment and promoting leadership qualities in women. Various orientation classes are conducted as part of women's day celebration with emphasis on health and hygiene.

Environment & Sustainability

Eco- Club of the college is functioning with a vision to make the college campus green and Eco-friendly. Rain water harvesting facility is available in college campus. Bio-gas plant is available and operational in our campus. Sewage treatment plants for the hostels provide treatment of wastewater in the campus. Environment related days are celebrated in the campus like, World Ozone Day, National science Day,worl water day and Disaster Reduction day. The college conduct quiz programmes and paper presentations on topics related to environment concerns for students. The students are motivated to do ecofriendly projects. Curriculum includes following courses related to environment and sustainability

- HUN 101 Life Skill
- HUT 200 Professional Ethics
- MCN 201 Sustainable Engineering
- MCN 202 Constitution of India
- MCN 301 Disaster Management
- CET 304 Environmental Engineering

- CET 362 Environmental Impact Assessment
- CE 405 Environmental Engineering I
- CE402 Environmental Engineering II
- CE 488 Disaster Management

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: 59.06

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

Response: 303

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: A. Feedback collected, analysed, action taken& communicated to the relevant bodies and feedback hosted on the institutional website

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
Action taken report on the feedback analysis	View Document
Link of institution’s website where comprehensive feedback, its analytics and action taken report are hosted	View Document

Criterion 2 - Teaching-learning and Evaluation

2.1 Student Enrollment and Profile

2.1.1

Enrolment percentage

Response: 38.61

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

2022-23	2021-22	2020-21	2019-20	2018-19
76	163	97	246	194

2.1.1.2 **Number of sanctioned seats year wise during last five years**

2022-23	2021-22	2020-21	2019-20	2018-19
276	276	276	588	594

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: 36.24

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

2022-23	2021-22	2020-21	2019-20	2018-19
38	80	47	120	97

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

2022-23	2021-22	2020-21	2019-20	2018-19
138	155	143	294	324

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: 8.02

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:

Thejus Engineering college (TEC) has adopted a number of student centric methods to enhance the learning experience of students.

Department Associations

Department associations conduct events like seminars, quizzes, expert talks, student workshops, cultural activities etc.

Internship

Students are encouraged to do internships in various industries relevant to each programme like

- Python Django and the mentorship of FABZ
- YuWaah and UNICWF
- Tech Trunk ventures
- Hybrid and Electric vehicle internship
- SKRIDGE-Electree

Human Values

NSS Students are involved in activities like veterinary hospital painting and cleaning. National Service Scheme (NSS) units of TEC are active and organize activities every year. Some of them are Vishu photo contest,Money donations,Dental camps, Praveshanolsavam,Blood donation camps,Yoga day, Food donation, Book drives, Anti-drug awareness flashmobs,Orientation classes, Independence day Flag hoisting, Vegetable garden,Veterinary hospital painting, orphanage visits, Dam cleaning drives, Eye test camps,Old age home visit,Money raising for palliative care, session on NRPF.

Innovation and Entrepreneurship Development Centre

The College has an Innovation and Entrepreneurship Development Centre (IEDC) of Kerala Startup mission. IEDC organizes different programmes like workshops, expert talks, competitions, etc., to transform the youngsters to entrepreneurs and innovative leaders such as

- Project expo for higher secondary school
- Talk with entrepreneur
- Demonstration on phases of assistive technologies
- Clean tech challenge

- Quizathon
- Start –a- thon

Leadership building programmes

TEC encourage students to organize and actively involve in awareness projects like

- Road Awareness programmes - in association with Kerala MVD
- Awareness Class on Fire and Safety
- Cleaning of Shoranur railway station

Skill enrichment programmes-

Realizing the gap between the skill sets required by the industry and the knowledge level of the students soft skill development, communication skill development and Add-on Courses on latest technologies are conducted.

Expert Talks

Guest lectures by eminent experts from industry and academics and alumni members from various industrial domains are organized to supplement the teaching process

ICT enabled tools for effective teaching-learning process.

Our institution uses the iCampuz Academic Management System to manage academic data

iCampuz

iCampuz supports collaborative learning, creating and delivering learning materials,generating reports,student notifications, attendance management etc. iCampuz completely manages entire academic activities.

iCampuz is an advanced web based campus management system offering high flexibility and an abundance of features to collaborately create quality education.E-Learning facilities which include Documents sharing, Exams, Assignments, Syllabus Coverage. Teachers and students are able to communicate with the help of this system in order to join online classes, attend exams via classroom links, update/view attendance, marks.

Faculty members use smartboards and application software like Google Meet, Zoom, Virtuallab,YouTube, Google Classrooms, which help effective teaching-learning process.

Percentage of teachers using ICT = (No. of teachers using ICT/total number of teachers)*100

= (64/64) * 100 = 100%

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: 92.11

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

2022-23	2021-22	2020-21	2019-20	2018-19
71	86	104	123	123

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: 17.77

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**

2022-23	2021-22	2020-21	2019-20	2018-19
16	16	16	17	18

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 awareded 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:

Academic Evaluation of Courses

University follows a continuous academic evaluation procedure. Academic evaluation composes of internal evaluation and end semester examination.

Academic evaluation procedure and corresponding weights are as follows:-

a) For theory courses

The maximum marks for internal evaluation: 50

The maximum marks for end semester examination: 100

Internal evaluation marks are awarded as follows.

i) Two internal tests of 1.5 hour duration conducted by the college: 50 (converted to 25 marks)

ii) Tutorials/Assignments/Mini Projects carrying 15 marks.

iii) Attendance carry 10 marks

All the above evaluations are mandatory requirements to earn credits.

Students who have missed either the first or the second test can register with the consent of the faculty and the HOD for a re-test before the end semester examination. The re-test will cover both first and second test course plans. Those who have missed both the tests are not eligible to appear for the end semester examination.

However, if one misses both tests due to medical reasons based on genuine evidence, a single test of 2 hour duration for 40 marks will be conducted covering the whole syllabus, before the end semester examinations.

b) For Laboratory /Practical /Workshop courses

Internal: 75 marks

i) Attendance 15 marks (Internally by the College)

ii)Continuous evaluation in lab 30 marks (Internally by the College)

iii)Continuous Assessment test 15 marks (Internally by the College)

iii) Viva Voce 15 marks (Internally by the College)

External: 75 marks

c) Comprehensive Examination

As students appear for placements from seventh semester onwards, comprehensive examination is to be completed in the sixth semester. This examination consists of two parts. The written examination will be an objective type of 1 hour duration and will have 50 marks. It is conducted by the university. The oral examination board will include a senior faculty in the department and two other faculty members of the department and an external expert from another academic institute . Oral examination will carry 50 marks and will be conducted during 8th semester.

d) Seminar

Each student has to give a seminar on a professional topic of current interest. Students have to prepare a detailed report on the topic of the seminar and submit it to the guide concerned. The seminar is to be of 20 minutes duration with another 5 minutes given for questions and answers.

Seminar Guide: 20 marks

Seminar Coordinator: 20 marks

Presentation: 40 marks

Report: 20 marks

e) Final Semester Project

Students, either individually or in a small batch not exceeding four, have to do a project approved by their faculty supervisor. There will be three reviews during the semester by the review committee and one review will be with the presence of an industry expert.

i) Two progress assessments : 20% by the faculty supervisor/s

ii) Final Project Report : 30% by the Assessment Board

iii) Project presentation and Viva : 50% by the Assessment Board

If the student fails in the project, a fresh registration for the project for one semester is mandatory.

File Description	Document
Upload 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:

The institute is affiliated to APJ Abdul Kalam Technological University, Kerala. The Program Outcomes (POs), Program Specific Outcomes (PSOs) are framed by the respective departments and Course Outcomes (COs) are well defined by the respective faculty members handling the subjects.The POs, PSOs and COs are formed by considering the Vision and Mission statement of the college and the syllabus content. The COs are framed by the Heads of the department with the help of faculties handling respective subjects and also experts in the particular subject. Course committee meetings are conducted at regular intervals and the institute assists the faculty members to achieve these objectives by proper supporting systems. The COs are explained to the students in the class after teaching each topic in the class rooms. The COs are also present in the series test examination question papers. The student is well aware of the COs of the subject.

The POs and COs are available in the course file prepared by the faculty member while mapping with POs. The faculty understand the course outcomes accordingly and prepare the lesson plan. POs and COs for all programs and courses offered by the institution are displayed in the institute website for reference of all stakeholders. The POs are displayed in all classrooms and laboratories. All the planning and execution are directed towards meeting these objectives. The program outcomes and program specific outcomes are achieved through a curriculum that offers a number of courses. The course outcomes of

each course is linked to the program outcomes and a set of performance criteria is mapped to provide direct quantitative evidence that program outcome is attained. The course outcomes are thus directly and quantitatively assessed, and mapped to the program outcomes and program specific outcomes. Therefore if the course outcomes are attained, they provide direct quantitative evidence that program outcome is attained.

The course outcomes of each course are mapped to the Program Outcomes with a level of emphasis being HIGH (3), MEDIUM (2) and LOW (1).Projects are reviewed by industrial experts to oversee whether they are in tune with the learning outcomes. The importance of employability is insisted upon as one of the main learning outcomes. Faculty members write COs of their respective course and refer them while executing the course plan. Faculty members refer the syllabus to understand POs and COs thoroughly before delivering the courses to students. Reviews of these POs and COs are taken by the stakeholders and suggestions are discussed in meetings. The improvements are implemented in all the academic activities.

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 attainment of program outcomes (POs),program specific outcomes (PSOs)and course outcomes (COs)are measured on the basis of direct and indirect attainment achieved.

Direct tools:

Direct tools evaluate the student’s knowledge and skills from their performance in continuous internal assessment tests and classroom laboratory assignments. Here 70% is for direct attainment i.e. 35% for series I and series II, 14% for assignment I and assignment II, 21% for university end semester examination.

Indirect tools:

Indirect tools include course specific feedback from students, Here 30% is for indirect attainment, i.e. 30 % for course specific feedback (end semester survey).

Attainment of POs and PSOs:

Assessment tools are categorized into Direct and Indirect methods to assess the POs and PSOs direct method is a measurable student performance indicator based on examination- internal and external, tutorial, assignment, laboratory, seminar etc. Indirect method is a measurable student performance based on student's feedback.

The internal exam questions are mapped to their COs. A threshold is defined based on the previous results and KTU guidelines and the attainment of a CO is calculated based on the percentage number of students who are above the threshold value. For example: To calculate the level of CO1 for Test 1, first the marks scored by all students are listed CO wise and their max mark is specified. A pass percentage threshold is set based on the toughness of paper and previous results. If only 50% of students are above the threshold then 1(low) is the attainment index. If less than 50% score above the set threshold, then the attainment index is 0. If more than 60% score above the set threshold, then the attainment index is 2. A course exit survey is also conducted as a part of indirect assessment for each of the courses at the end of the semester and the course outcome is calculated as 0.7Direct Assessment+0.3 Indirect Assessment.

The Evaluation of attainment of POs and PSOs are based on the mappings from COs to POs and PSOs. To measure PO in direct method a CO/PO matrix is used. Faculties of each course, map their CO to the appropriate PO to ensure all PO are delivered throughout the study. The weightage scale uses the scale 1-3: 1=Low; 2=Medium; 3=High. The KTU has specified norms for calculation of PO. PO attainment = 0.7DA+0.3 IDA. For indirect assessment, the questions in the survey sheet are represented by the PO's and the students fill up the program exit survey after completing their course.

The POs and PSOs are correlated with COs by the subject experts at the beginning of the semester. Once the total attainment of CO is achieved; it is used for measuring the level of attainment of POs and PSOs. If the compared value is either equal to or near to the threshold value, we can conclude that attainment is achieved successfully.

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: 69.09

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

2022-23	2021-22	2020-21	2019-20	2018-19
158	112	277	345	288

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

2022-23	2021-22	2020-21	2019-20	2018-19
233	202	378	455	440

File Description	Document
Institutional data in the prescribed format	View 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
Provide Links for any other relevant document to support the claim (if any)	View Document

2.7 Student Satisfaction Survey

2.7.1

Online student satisfaction survey regarding teaching learning process

Response: 3.32

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: 0.16

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)**

2022-23	2021-22	2020-21	2019-20	2018-19
0	0	0.10	0.06	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 institution has created an ecosystem for innovation by establishing, the Innovation and Entrepreneurship Development Center (IEDC), Industry-Institute Interaction Cell (IIIC), and Institution's Innovation Council (IIC). These play pivotal roles in fostering innovation and to facilitate knowledge transfer among students and teachers.

The IEDC focuses on nurturing entrepreneurial skills and innovation among students and faculty by providing startup facilities, conducting workshops and seed-funding for promising projects.These activities create an environment where students can transform their innovative ideas into viable business ventures, thereby fostering a strong entrepreneurial ecosystem. Thus, the center provides a range of resources that enable to empower students to pursue entrepreneurial achievements. The training and workshops were imparted by the Kerala Startup Mission, which provides grants to students to pursue their own ideas for projects. An IoT lab has been set upwithin the institution for the benefit of students.

The IIIC strengthens the link between academia and industry by coordinating internships, industrial training programs, and industry visits that give students practical exposure to real-world applications of their academic learning. It also hosts guest lectures and seminars by industry professionals, facilitates collaborative research and development projects, and ensures that the curriculum remains aligned with evolving industry needs. These efforts ensure that students are equipped with industry-relevant skills and knowledge, enhancing their employability and readiness to tackle industry challenges. IIIC cell of the college has MoUs with various industries. The students of TEC had the opportunity to attend internships in various industries through IIIC to make them aware of the current industrial expectations. These internships enable the students in implementing their theoretical knowledge to practice by executing projects in various industries.

The IIC promotes a culture of innovation across the campus through various initiatives such as innovation promotion programs, interdisciplinary research projects, and innovation competitions. It conducts workshops on Intellectual Property Rights (IPR) to educate students and faculty on protecting their innovations, hosts innovation competitions to stimulate creative thinking, and recognizes outstanding innovations through awards and certificates.

Together, these centers create a dynamic ecosystem that enhance the learning experience by providing hands-on, practical opportunities for students to engage in real-world problem-solving. They cultivate an entrepreneurial mindset, encourage the development of industry-relevant skills, and promote continuous research and development. This integrated approach ensures that knowledge generated within the institution is effectively transferred to practical applications, benefiting both the academic community and the industry. The result is a robust environment for innovation that not only prepares students for successful careers but also contributes to technological advancements and economic growth.

File Description	Document
Upload 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: 24

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**

2022-23	2021-22	2020-21	2019-20	2018-19
1	12	2	2	7

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

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

2022-23	2021-22	2020-21	2019-20	2018-19
0	0	0	0	0

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
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: 0.05

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**

2022-23	2021-22	2020-21	2019-20	2018-19
1	0	0	6	1

File Description	Document
List of chapter/book along with the links redirecting to the source website	View 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
Provide Links for any other relevant document to support the claim (if any)	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:

Several activities are scheduled in the institution under the National Service Scheme (NSS) to sensitize the students on social issues by extending their activities to the neighborhood community.

The College Celebrates National and International Days like, Gandhi Jayanti, Independence Day,Republic Day, Environmental Day, Women's Day, Human Rights Day, Energy Conservation Day, Engineers Day, Teachers Day, A P J Abdul Kalam Memorial Day, International Yoga Day, International Day of Disaster Management, Cancer Day, etc. The NSS team extend charity to nearby Anganavadi's, orphanages, blind schools and old-age homes. The NSS of the college clean nearby public places like panchayath roads, health centers, railway stations, bus stands, school and Govt. Hospitals. It organizes campaign on eye donation, hair donation (for cancer patients), blood donation and conducts free eye checkup camps and dental camps. The team NSS is associated with 'PUNARJANI' which is aimed at repairing damaged and out-of-use furniture and other health-care facilities of government hospitals. The NSS of the college arranges programmes to enhance awareness on AIDS, Child labour, Road Safety, anti- drug, Gender equality and Green Earth.

The staff and the students of the college actively participated in flood related activities in August 2018. The college has provided the college buses for transportation of resources to rural areas. College students and staff contributed for the flood relief activities of the Kerala Government. Estimation of damages during the flood was assessed by the volunteers and the report was given to the Egandiyoor and Kadapuram panchayath. NSS of the college conducted a poster making competition on flood related

issues and its solutions. The NSS volunteers visited the tribal schools at Wayanad and distributed educational items as a part of flood relief activities of 2019. They had undertaken the construction of a house at Kololamba, Malappuram district and constructed a toilet at Velur panchayath.

The NSS Team have conducted an energy conservation survey at Kadangode Grama Panchayth and distributed LED bulbs. The cell has also organized a water conservation survey at Kadangode Grama Panchayth, SAGY survey and rapid screening survey. Swachh Bharat Mission is a massive mass movement that seeks to create clean India. The NSS team of the College,conducted various programmes like Swachh Bharath Pledge and Swachatha Pakhwadha. As part of Swachh Bharath mission, the students have cleaned railway station premises of Guruvayoor, Punkunnam and Wadakanchery. The NSS team has collected food packages from college staff and students and distributed to the District hospital, Wadakanchery and the District Hospital, Thrissur. ‘Sneha Puthappu’, the collection and distribution of blanket to needy people was done by NSS. The team trained students in floor mat making and LED bulb fabrication. The team NSS joined Saksharatha Mission to conduct classes for adults in Government boys high school, Kunnamkulam.

File Description	Document
Upload Additional information	View Document

3.4.2

Awards and recognitions received for extension activities from government / government recognised bodies

Response:

Engaging the students in extension activities not only creates a sense of selfless service-mindedness among the student community but also helps to instill social responsibility, groom overall personality and create awareness on social issues. The college inculcates social values and responsibilities to the faculty members and students by imparting extension activities in the local community so as to be inclusive.

Thejus Engineering College has got two active and impactful NSS units (Unit No. 236 and 592) that have demonstrated exceptional dedication to community service, social welfare and student engagement. For this commendable service, NSS Unit 592 has received Best NSS Unit award for the year 2021-2022 and special appreciation award for the year 2018-2019. Apart from this, our NSS unit has received several appreciations and recognitions from government bodies and non government bodies for their unconditional service for various activities like Rescue Relief Mission, AMRUT Project, Swachh Bharath Abhiyan, Punarjani Project and various other social/community works. The college voluntarily organizes blood donation camps and has received recognition from National Service Scheme Tech Cell, Kerala. Thejus Engineering College NSS unit has secured third position in Swachh Bharath Summer camp Internship Programme (SBSI) in the year 2019. The NSS Programme Officer has received the Best Programme Officer award for the years 2019-2020 and 2021-2022 for his dedicated mentoring and organizational skills and for the positive impact he created trough his leadership. The college was also awarded the Best Emerging students Award for Indian Society for Technical Education, Kerala Section. These awards and recognitions not only acknowledge the hard work and dedication of NSS volunteers

and units but also motivate other students to participate in community service, thereby fostering a spirit of social responsibility and civic engagement in the campus.

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: 180

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**

2022-23	2021-22	2020-21	2019-20	2018-19
27	20	18	68	47

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
Provide Links for any other relevant document to support the claim (if any)	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: 9

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:

Thejus Engineering College from its inception has rich physical and Infrastructure facilities to meet the requirements of the University to which it is affiliated with and other statutory bodies like AICTE.

- The institution has 42 classrooms, 5 tutorial rooms, 6 smart rooms , 20 laboratories, 2 seminar halls and 4 Drawing halls to conduct the regular classes for its UG and PG programs. Each department has an e- lecture hall to make the students more interactive.
- State of the art equipment in the laboratories.
- The central library is fully automated and enriched with a collection of 15317 books in 4801 titles, newspapers, e-Books, 51 journals, Magazines etc. Digital library facility is provided to access e-resources.
- Separate hostels for boys and girls students are available inside the campus
- Campus is differently abled friendly.
- The college fleets 22 transport buses and one traveler, linking even the remotest points of the district to the campus. Ambulance facility is also available.
- Water Purification System provides filtered drinking water to the entire campus and in college hostels. Hot water facility is also available in both hostels.
- Canteen, Store and reprographic center are available inside the college campus.
- Prayer halls and ample parking facilities are made available to both staff and students.
- Our college has 473 computers and all are connected with LAN.
- Institute maintains its internet facility with 55 Mbps and 32 Mbps provided by two service providers for uninterrupted data connection.

- College campuses and hostels are WiFi enabled.
- The college is selected as an Examination Centre for Government and public sector online examinations.
- Institution has an IT Cell to manage and maintain the Storage Servers, Software servers, Switches and Firewalls.
- Camera surveillance and service of security personnel are provided to ensure safety of students.
- Medical emergencies are managed by a Doctor on Call facility and an ambulance available in the campus. Sanitary Napkin Vending Machine is installed to ensure health and hygiene. First Aid boxes are also made available.
- The campus has facilities for sports and recreational activities.
- Campus has a Football ground, which is also utilized for athletics, handball, softball, netball and cricket. Ground is well maintained on a periodic basis.
- Basketball court, volleyball court and indoor facilities for badminton and table tennis are available. A separate badminton court is provided in the girls hostel.
- Activities such as Yoga, Zumba, aerobics, meditation, fun games and sports etc., are conducted in college for stress management and for maintaining physical fitness of students as well as staff members.
- NSS and Eco Club functioning in the college organized a walkathon, painting competition, flash mobs etc., for boosting positive energy to the students.
- International yoga day is celebrated every year in our college.
- College has an active music club, dance club and theater & fine arts club (arangu) for promoting students cultural, literary and creative skills.
- College conducts an arts festival " Rhythm" every year which is a platform for exhibiting their talents and motivating them to participate in inter and intra college cultural events.

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: 4.72

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

2022-23	2021-22	2020-21	2019-20	2018-19
12.45	11.23	5.54	10.30	13.92

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

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:

Thejus has a well maintained library with an adequate collection of books and e-resources which is managed through an integrated software system.

- Library is fully automated with ILMS Book Magic software, version 4.0. The software facilitates the users to reserve, renew and recommend books in online mode.
- The central library is fully automated and enriched with a collection of books 15317 in 4801 titles, newspapers, e-Books, 51 journals, Magazines etc. Digital library facility is provided to access e-resources.
- The Library of the college has a plinth area of 742 Sq. m which comprises a reference section, stack room, reading room and a network resource center for the benefit of students.

- Library system is reviewed by the library council regarding the purchase and annual upgrades.
- The Reading room has a seating capacity of 150
- Library facilities are updated periodically.

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

IT facilities have become the backbone of any engineering institution irrespective of the disciplines of study. Knowing the fact, Thejus has heavily invested in this direction.

- Thejus Engineering College owns 473 desktop computers with an adequate number of laptops, servers, and peripheral devices like printers, reprographic equipment and scanners.
- The institution uses open source software which is updated frequently.
- Institution uses a Campus Automation Software “iCampuz” to manage the academic data of students.
- The software used in the Labs is updated frequently according to the curriculum requirements. The software used in the College Office such as Tally ERP and Campus Automation Software i-campuz etc. are updated as per the requirements.
- All computers in the campus are connected via LAN. A Wifi facility is also available.
- Institute maintains its internet facility of 55 Mbps and 32 Mbps provided by two service providers for uninterrupted data connectivity.
- Examination center with a well equipped facility is available. The college also has exam halls

with camera surveillance for the smooth conduction of university examinations.

File Description	Document
Upload Additional information	View Document

4.3.2

Student – Computer ratio (Data for the latest completed academic year)

Response: 1.08

4.3.2.1 **Number of computers available for students usage during the latest completed academic year:**

Response: 473

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
Provide Links for any other relevant document to support the claim (if any)	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: 26.36

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)**

2022-23	2021-22	2020-21	2019-20	2018-19
62.79	51.35	26.59	124.59	33.31

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

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: 19.35

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**

2022-23	2021-22	2020-21	2019-20	2018-19
116	155	112	256	255

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
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
Report with photographs on ICT/computing skills enhancement programs	View Document
Institutional data in the prescribed format	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: 5.52

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**

2022-23	2021-22	2020-21	2019-20	2018-19
76	47	45	37	50

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: A. All 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: 17.03

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

2022-23	2021-22	2020-21	2019-20	2018-19
97	56	45	55	52

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

2022-23	2021-22	2020-21	2019-20	2018-19
237	211	388	439	516

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
List of students progressing for Higher Education, with details of program and institution that they are/have enrolled along with links to proof of continuation in higher education.(the above list should be available on institutional website)	View Document
Institutional data in the prescribed format	View Document

5.2.2

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

Response: 0.67

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.)**

2022-23	2021-22	2020-21	2019-20	2018-19
4	0	3	1	2

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

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: 10

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***

2022-23	2021-22	2020-21	2019-20	2018-19
2	0	0	6	2

File Description	Document
Upload supporting document	View Document
list and links to e-copies of award letters and certificates	View 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**

2022-23	2021-22	2020-21	2019-20	2018-19
2	3	2	4	3

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 of Thejus Engineering College (TECCA) was formed in the year 2013. The Alumni association meet is conducted once in a year. Alumni association committee consists of President, Secretary and Executive Committee Members. The executive committee members are selected from each department. They are responsible for the coordination of all the activities by their department alumni members.

Thejus Engineering College is proud of its Alumni group spread far and wide across the globe. The Alumni Association of Thejus Engineering College registered under Registrar of Societies, Thrissur with registration no TSR/TC/530/2023. Dedicated volunteers work with the alumni to develop a strong network.The alumni continue to shower their support and love on the institution in every arena including providing financial help to economically weaker students. It focuses on finding and cultivating alumni support for the institution's continuous academic and research growth, infrastructure expansion and renewal, and student financial assistance and scholarship programmes.

The aim of the association is to

- Provide a forum for the old students of the college to continue a sound relationship with the institution and discuss the matters of common interest.
- To promote the interests of the college and its past and present students.
- To promote goodwill and mutual assistance among the members.
- To contribute to the cause of technical education by sharing the experience of those in the field.
- To help the authorities improve the academic and cultural activities of the college
- Distinguished alumni members are invited to college for delivering sessions on relevant areas.

Regular meetings are conducted with the alumni. They offer their support in the placement too. Every year students who graduate are enrolled in the alumni list. Every department coordinates with the alumni. The college involves the alumni in all the educational activities. The gap between the university-proposed curriculum and the needs of business is closed with the help of employer feedback from alumni members. Alumni give back to students by imparting their knowledge and experience in order to increase their understanding of current practices and boost their confidence. When necessary, they participate in charitable endeavors as well.

Alumni members assist the innovation and entrepreneurial development unit in planning technical programmes. The members' contributions help fund the essential college amenities. Alumni members have provided scholarships to encourage worthy students in their academic pursuits.The NSS unit has always been supported by the alumni. They provide the necessary funds for the camps. Many of the classrooms have been turned into digital classrooms with the help from alumni. Many of the notable alumni are called to conduct classes. They train the students in placement training. The members of the alumni coordinate with each other and meet at the college often.

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:

Thejus Engineering College established in the year 2009 is an educational project of the Cheruvathur Foundation. The college is approved by AICTE and affiliated to APJ Abdul Kalam Technological University . This is a self financing institution aiming at grooming students with social commitment and providing quality education in engineering and technology. TEC has qualified and experienced faculty, coupled with top of the class learning infrastructure. The college nurture excellence in academics, develop innovative thinking and entrepreneurship in students, and also extends consultancy services to the society.

The fully affiliated UG programs include Electronics & Computer Engineering, Electrical & Electronics Engineering, Mechanical Engineering, Computer Science & Engineering and Civil Engineering. PG engineering programs include Computer Science & Engineering, Geotechnical Engineering and Structural Engineering.

Vision

To groom globally competent and socially committed professionals by providing premium professional education in Engineering & Technology.

Mission

To provide our students a firm grounding in scientific & mathematical fundamentals, expertise in analysis, synthesis & design of engineering systems and exposure to current engineering practice, cutting-edge Engineering research & Technology and entrepreneurship

Governing body of the college does the strategic planning. Based on the strategic plan the Chairman/Managing Trustee and Executive Trustee take decisions and provide funding. Execution is done through Director / Principal by academic council. Academic Council and IQAC set the benchmarks for academic and extra & co-curricular activities to ensure quality. The institution strictly adheres to the academic calendar. Faculty of the college follow the academic calendar published by the university.

All academic and administrative activities are decentralized. Management, Principal, IQAC, HODs, Chief Examiner, Faculty Members, Office Superintendent, Librarian, Placement Officer, Non-Teaching Staffs and students play important role in participative management.

Management Representatives are keenly involved in maintaining quality and welfare aspects of the

Institute. Principal drives all the academic and non-academic activities with the help of HODs and faculty members. Students, alumni, and parents actively participate in committees such the anti-ragging committee, entrepreneurial development cell, PTA committee, grievance redressal committee, etc.

Academic committees such as class committees are formed where in students and faculty members play a vital role in the decision making process. Meetings are conducted every week by the Head of the Institution with the HODs, in which policies are framed and decisions are made. These are disseminated to staffs by HODs through e-mails and periodical departmental level staff meetings.

Technical fest Thejomaya is conducted annually. The various committees and its members comprising of Principal, HODs, Staff members and students facilitate the smooth functioning of the events. Office bearers of the student council approach the principal through Union Adviser for preliminary approval. Principal presents the proposal received in the HOD meeting. An executive committee is constituted by ensuring faculty representation from each department. Student council is intimated about the approval by Union Adviser and they are asked to submit a final proposal. The final proposal prepared by students union is verified by Union Adviser and submitted to principal for final approval.

File Description	Document
Upload 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:

Thejus Engineering College has a strategic plan for next 5 years starting from 2018-2019 academic year for developing the institution into a premier one, adhering to its Vision and Mission. The strategic plan mainly focuses on following directions:

1. Enriching the curriculum with different accreditation

2. Research, Innovation, Consultancy and Entrepreneurship

3. Social responsibility & Environment friendly initiatives

The Governing Board makes a strategic plan for the institution. They propose strategic schemes for academic and infrastructure enhancement of the institution. Frequency of meeting is twice in a year. Based on the strategic plan and advice from the governing body, the Board of Trustees take appropriate decisions. Academic council headed by the Principal prepares an action plan and get approval of the Trustees.

Effective implementation of the plans are carried out by different committees chaired by Heads of various departments and senior faculty members. Functions and responsibilities of each committee and its coordinators are well defined.Recruitment of staff is carried out well before the academic sessions. Teaching faculty members are recruited as per AICTE rules and regulations.Performance of teaching as well as non-teaching staff is evaluated every year. Performance Based Appraisal System is followed for all teaching and non teaching staff.

Teaching Learning process is monitored by Heads of Department with the support of senior faculty. Department meetings are conducted once in a month for review and evaluation. The implementation of various activities covered under the quality policy is recorded in prescribed quality formats , maintained properly and audited by IQAC. A digital platform “i-campuz” is used to monitor the attendance, assignments and internal marks of the students. The same platform is utilized for the application of faculty leaves, salary statement, etc. The college started practicing Outcome Based Education (OBE) in the 2019-2020 academic year and have formulated POs and PSOs, in consultation with stakeholders, whereas COs were finalized by course faculty and subject experts. College aims to be accredited by NAAC and NBA. The college focuses on Research and Innovation through our IEDC cell. It supports innovative Research and training activities. To ensure the development of the society, many community development and societal programs are included in the strategic plan.

In order to motivate students to join engineering courses, a free crash course, career guidance class etc. are conducted. This aims to enhance the number of students showing interest in engineering education. The selected students are given hands-on sessions on various engineering streams. This helps them identify their area of interest which in turn helps them to select their branch of study.

File Description	Document
Upload Additional information	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: B. 3 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

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:

- Hostel facility for staff with subsidised charges
- Self-appraisal system for promotion and other benefits
- Incentives for attending external workshops and faculty development programmes
- Rewards to faculty for excellent results
- Bonus for major regional festival
- EPF and ESI for non-teaching staff
- Advanced Salary in case of emergency situation
- Maternity leave with allowance
- 30 day vacation for faculty members
- College vehicle for medical emergency
- Free transportation facilities for faculty members
- Staff club for non academic / recreation activities

- Annual appraisal system
- Career advancement for deserving candidates.

File Description	Document
Upload Additional information	View Document
Provide Link for 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: 27.19

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**

2022-23	2021-22	2020-21	2019-20	2018-19
20	17	0	59	31

File Description	Document
Policy document on providing financial support to teachers	View 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
Audited statement of account highlighting the financial support to teachers to attend conferences / workshop s and towards membership fee for professional bodies	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: 11.52

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**

2022-23	2021-22	2020-21	2019-20	2018-19
7	15	16	22	12

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

2022-23	2021-22	2020-21	2019-20	2018-19
25	30	31	38	34

File Description	Document
Institutional data in the prescribed format	View Document
Copy of the certificates of the program attended by teachers.	View Document
Annual reports highlighting the programmes undertaken by the teachers	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:

Management of the College has appointed a Chartered Accountant for conducting external and final audit. Each year’s budget showing anticipated receipts and payments is presented before the managing committee of the trust for their consideration and approval. The college manages the funds in tune with the approved budget. Periodic review is conducted by our accounts team & report submitted to management. The college uses Tally ERP 9 software for its accounting. Any corrections advised or suggestions made by the auditors are considered and remedial measures taken accordingly with the approval of competent higher authorities.

External financial audit is entrusted with another firm of Chartered Accountants. After the closing of accounts for every financial year, statutory auditors/external auditors conduct audit for the year. After thorough audit with respect to receipts, vouchers, bank transactions, cash transactions, bank reconciliation statements and other relevant documents, the statutory auditors prepare Receipts and payments Accounts, Income and Expenditure Accounts and Balance Sheet for each financial year. These statements along with audit Report are placed before the Supreme Administrative body for verification and approval. Any query or question are answered and doubts if any cleared to the best of their satisfaction. All the audited statements are properly filed and maintained. Correctness and transparency in accounting is maintained by the college. The accounts are incorporated as a part of the accounts of the trust (Cheruvathur Foundation), and income tax return is filed by the trust.

Mobilisation of Funds

Fees collected from students admitted under Management, NRI and Government quota, strictly adhering to the guidelines issued by Government, are the main source of income. This is utilized for meeting the expenses of the college. The deficit in expenditure and also capital expenditure of the college is met by the trust contribution.

Optimal utilization of resources

The institute follows a strict financial discipline in its activities. The management makes an annual budget for the recurring as well as non recurring expenditure. The expenditure is monitored by way of monthly statements and remedial measures are taken to ensure that the expenditure is limited to the main revenue as far as possible.

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

Thejus Engineering College has a well-functioning Internal Quality Assurance Cell that continuously works towards improving and maintaining the quality of education. IQAC is constituted with the Principal as the Chairman, Head of the Departments, senior faculty members and representatives of management, industry, alumni, students and PTA. IQAC was established in the year 2019 with a vision

to improve and execute the quality initiatives of the Institution. Prior to IQAC, the Internal Audit Cell and ISO 9001 management team ensured the quality standards.

As per the academic calendar given by the University, College arranges its semester wise / year wise activities and plan for classes. The faculty ensures syllabus completion of the particular course as per plan. IQAC prepares the academic calendar of the college and helps in planning and reviewing the course wise lesson plan with course outcomes & mapping, workload, class time table & faculty time table, tutorial planning, planning of remedial classes, scrutiny of question papers for internal examinations, evaluation and analysis of internal assessment, analysis of end semester examination results, execution of strategies for improvement, planning of add on courses, seminars and workshops for students to fill the curriculum gaps.

All the questions for the internal examination are framed based on Bloom’s Taxonomy and are mapped against their corresponding Course Outcomes. The question paper scrutiny committee is formed at department level for the scrutiny of internal examination question papers. Each faculty member submits the question paper to the Question Paper Scrutiny Committee and the corrections suggested by this committee shall be made by the faculty member before the final submission. The scrutiny committee checks whether the mark distribution and mapping of questions is in concordance with the Course Outcomes and university guidelines. Remedial classes are conducted for low performance students after the internal exams.

The internal academic audit is conducted twice in a semester and all the activities related to academics, functioning of library, academic office and extra-curricular committees are reviewed. During the internal audit, the teaching faculty submits the course file which includes all the details of the theory and practical courses handled by them. The observations, opportunity for improvement and non-conformity cited by the auditors are rectified within the time period established by IQAC.

The effectiveness of teaching-learning process is reviewed by taking inputs from student feedback and results of internal & end semester exams. Students' feedbacks for each subject are collected and evaluated by the HoD after the first internal evaluation. Feedbacks collected from the students help the faculty modify their teaching techniques to suit students' requirements.

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
List of Collaborative quality initiatives with other institution(s) along with brochures and geo-tagged photos with caption and date.	View Document
Link to Minute of IQAC meetings, hosted on HEI website	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:

Since its inception, TEC has been committed to promotion of gender equity both internally and externally. The proportion of both genders in staff and faculty of the institution is almost 50:50. Apart from this, various measures are taken to improve gender equity in all areas.

- Equal opportunities are given to both the genders in terms of employment, training programmes, sports activities etc.
- Common rooms, separate rest & prayer rooms for boys and girls.
- 24 hour safety & security are available in the campus as well as in hostels.
- The college has an active women’s forum which is open to all the female students and staff of the institution. The Forum organizes awareness classes for women empowerment.
- An active counseling center which is vital for students & staff, offering a range of mental health services and support is running in our college. It plays a crucial role in supporting students' emotional well-being and academic success.
- NSS cell of the college regularly performs flash mobs and street plays on gender equity.
- NSS Volunteers participate in programs on Gender equity outside the campus.
- Courses on Gender equity are successfully completed by the students of our college & one faculty received best mentor certificate for the same.

Celebrating National and International Commemorative Days in college fosters a sense of unity, cultural understanding, and mutual respect among students. The Independence Day celebration starts with the hoisting of the National Flag followed by Thiranga March by students. Swachh Bharath week along with Gandhi Jayanthi is conducted with cleaning of various public places like railways stations and government hospitals. Cleanliness awareness programs for the public are conducted in various locations. Children’s day is celebrated by visiting nearby Anganvadi and Primary Schools and conducting competitions and games for children. The students also distribute sweets to the children and deliver them children's day messages.

On Teachers day, the students express their token of gratitude to the teachers by giving them sweets and handmade greeting cards. Engineers day is celebrated with technical events like quiz and presentations. International Women's day is celebrated under various clubs of our institute like NSS and Women's Cell. World Environmental day is celebrated in the college with programs to create a sense of responsibility towards the environment. Each year on that day, Eco Club introduces new medicinal plants & vegetable saplings to the college garden which is maintained by the students & staff. NSS of the college plants trees every year and conducts environmental protection rally. International Yoga day is celebrated every year by conducting yoga sessions and delivering messages about the importance of yoga in human life. International Ozone day is observed with Seminars, paper presentations and Quiz by the students and staff. World AIDS day is hosted by creating awareness among the students as well as the public to care for the AIDS patients and not to segregate them from society. Regional festivals like Onam, Holi, Eid-ul- fitr,& Christmas are celebrated in the college grandly with a variety of programs and competitions.

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
Circulars and report of activities for the implementation of the initiatives document	View Document
Bills for the purchase of equipment's for the facilities created under this metric	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

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, regional and linguistic outlook of the institution

- The college is well aware about the cultural and regional values and its influence on the younger generation and promotes various events and festivals to ensure it. The college celebrates Onam, Christmas, Holy, Eid-ul- fitr, Kerala Piravi etc. in the campus.
- The college takes measures to promote regional culture and art forms.
- College has an active music club, dance club and film and theater arts club (Arangu) to showcase and boost the talents and creativity of students.
- Conducts an active arts fest every year which showcases many Kerala and south Indian art forms.
- The Institution promotes our mother tongue by offering students and staff with two newspapers in Malayalam and a sizable collection of Malayalam books in the library.
- The Language Lab of TEC helps enhance the communication skills of students by improving their listening and speaking skills through the help of Audio-Visual lessons and E-modules.

- Also, staff & students do translation works in regional language as a part of promoting linguistic diversities.

Communal socio-economic context of the organization

- The institution promotes traditional and heritage conservation and protection by giving awareness to the students through visits to cultural centers and heritage sites like Kerala Kalamandalam, Kodanattu Mana, old Temples, Church sites etc.
- College took part in repairing and cleaning houses in Velur Grama Panchayat, following the flood of 2018. It also initiated Covid-19 campaigns.
- The institution provided transport facilities for flood relief camps in 2018. Students as well as faculties took part in the rehabilitation program voluntarily.
- Faculty contributed their one day salary for the Chief Minister’s Flood Relief.
- NSS Unit of the institution is a contributing member, both financially and physically, in Bhavana Nirmana Padhathi of Govt. of Kerala.
- The institution provides merit based scholarships for academically sound students.
- The institution motivates faculty members by providing certificates and cash prizes as a gesture of appreciation for securing 100% pass in the University exams of their subjects.
- The institution also promotes nature conservation and protection by providing opportunities to visit and conserve the natural hotspots like Vazhani Dam, Nelliyampathy, Vagamon, etc.
- The college provides own bus service eliminating the need for private transportation for both staff and students.It reduces the total carbon emission.

Sensitization of students and employees of the Institution to the constitutional obligations:

Institution celebrates different national days like Republic Day, Independence Day every year. In association with the NSS unit of the college, the institute promotes the Swachh Bharat Mission of the government. Every year, the institute organizes blood donation camps in association with Hospitals. The students are studying professional ethics as a part of the curriculum. The College has an Ethics committee, which is responsible for inculcating these values to students. Saksharatha classes were set up by the students for the purpose of coordinating and activating literacy and continuing education. Our students conduct frequent visits to orphanages, old age homes and do charity work in different places as a token of fulfilling their role as responsible citizens.

File Description	Document
Upload 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:

1. TEC-Startup

Objectives of practice

- To provide resources and support for aspiring student entrepreneurs to develop their ideas into viable businesses.
- To create an opportunity for the students to explore what they are and what they want to be.
- To foster a culture of creativity and problem-solving among students. It encourages interdisciplinary collaboration and the exchange of ideas, leading to the development of innovative solutions to real-world problems.
- The Startup office serves as a hub where students, faculty, alumni, investors, and industry professionals can connect and collaborate. Networking events, workshops, and guest speaker sessions organized by the startup office provide valuable opportunities for students to build relationships and explore career paths.

Context

A vibrant startup ecosystem can enhance the college's reputation as a hub of innovation and entrepreneurship. To nurture student entrepreneurship and innovation, the college startup office contributes to economic development by fostering the creation of new businesses, job opportunities, and technological advancements within the local community.

Practice

- Initially four startups were developed in which all of them needed a technical background
- A dedicated startup space within the college campus was selected as a centralized resource hub for aspiring student entrepreneurs.
- Ideas & supporting documents were submitted and it was thoroughly reviewed by startup coordinators.
- Since all were early-stage startups, the startup space functioned as an incubator, providing support to help them refine their ideas, validate market demand, and prepare for launch.

- The startups include:
    - A vocoband, a band which converts sign language to audio for the disabled.
    - Baklink, a web developing platform.
    - Candynow, an online store for candies.
    - Mini vehicle polishing & grooming machine
    - Entice Grub, a web services platform.

Evidence of Success

- Low budget cost effective startups were successfully implemented.
- Voco band was selected as a top project for the Malayala Manorama YUVA mastermind competition.
- Baklink web developers hosted & verified a number of websites for a wide range of customers in different domains.
- Candynow successfully implemented an online platform satisfying thousands of customers through its own website & android application.
- The compact, portable, low cost vehicle polishing & grooming machine was supplied to many vehicle repairing workshops & vehicle grooming centers and received great appreciation.

Problems Encountered and Resources Required

- Securing adequate funding was a major challenge especially in the early stage
- Validating the market need for the product or service.
- Building brand awareness, attracting customers, and acquiring users or clients were crucial at the initial stage.

Human resources and material resources:

- Funding resources for the production & distribution.
- Mentorship and Advisory Services for running the startups.
- Educational Resources for proper maintenance.

- Tools and Software

2. THANAL (SHELTER: Home for Homeless & Toilet making)

Objectives of practice

- The students of the college are made to become social engineers.
- This facilitates them to know more about the community they live in and also the problems faced by the common people.
- This also entertains and enriches the technical ability and skill of our students.
- The beneficiary of the Home for Homeless project is the family of Mrs. Sudha staying at Kololamba, Malappuram district.
- The beneficiary of the Toilet making project is the family of Mr. Mani is staying at Kumbharam Colony, Velur Panchayath, Thrissur District.

Context

- Our students have to make a plan for the design of the construction of the house and the toilet.
- They face not only technical issues but they have to raise the funds collection for the work.
- House construction location was bit far from the college which made it difficult for students to manage the college classes and construction work simultaneously.

Practice

- The students from different departments actively participated with the best technical educational tools and methodologies they had studied in their theory/practical classes.
- The college management raised some funds and the balance was managed by selling coupons.

Evidence of Success

- The project enhanced our students’ social commitment.
- It also enriched their knowledge about engineering skills, innovations and opportunities.
- The feedback from the owners shows that the objectives of the programs are fulfilled.

- The former higher education minister Mr. K T Jaleel visited the house and appreciated the team.
- The owner of the house suggested their house name as THEJUS, which is the institution's name.

File Description	Document
Best practices as hosted on the Institutional website	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 of Thejus Engineering college is to create socially committed engineers. The institution imparts a culture of social awareness which is a prerequisite for treating all people with respect and building strong relationships. To carry out these socially relevant activities in a most efficient manner, the institute has an active NSS cell. It has organized several programs for transforming students as socially committed engineers. During the recent floods in Kerala, our students and faculty have helped the local self-government for rebuilding Kerala.Students and staff had active participation in the different activities like checking the building for construction failures, electric wiring problems, etc. Our students also visited the tribal schools at Wayanad and distributed educational essentials as a part of flood relief activities. The college has supported the construction of houses for the needy.

The students have special interest in socially relevant activities. The institute has conducted water conservation and Energy conservation surveys in our Panchayath and suggestions have been given. LED bulb making camps were conducted and LED bulbs were distributed to promote the concept of reducing electricity bills. Nearby district hospitals maintenance works were undertaken by our students as a part of Punarjjani,' a State-wide initiative of the Kerala State Youth Welfare programme. Also, the college distributed essential items for patients in hospitals after collecting the same from students and faculties. Students have cleaned the nearby railway stations as a mark of commitment of the students towards society. The institute is concerned with the well being of nearby orphanages and old age homes, and students regularly made visits and helped them with essential consumable, and also contributed a wheelchair. Students used to celebrate festivals like Onam with these isolated people to offer them a pleasant time.

The institute also conduct awareness for social causes on AIDS, cancer, child labour, use of drugs and tobacco. The college is a tobacco free campus and has taken pledge for the same. The institute actively conducts frequent blood donation campaigns on special days. TEC regularly conducts Road Safety and Traffic Awareness programs for students as well as the public.The College provides students with the

preparation and knowledge to respond to disaster situations.

The college has an Eco Club which creates awareness about the environment among students. It has been conducting programmes which give students the experience of nature. TEC encourages students for practices to ensure Greener Earth. The college offers a culture of growing vegetables on campus, which they can continue in their lives. Students and faculty have also planted medicinal plants on campus and in hospitals nearby. The students took part in many socially relevant academic projects.

File Description	Document
Appropriate web in the Institutional website	View Document
Any other relevant information	View Document

5. CONCLUSION

Additional Information :

Thejus Engineering College is a premier educational institution committed to excellence in engineering education. Thejus has been designed and developed to become a “Centre of Excellence” in professional education. The college provides ample opportunity for students to excel not only in academics but also in curricular, co curricular and extra curricular activities. The college offers all the necessary facilities for organizing and conducting various national level examinations like JEE, KEAM etc.

Some of the awards and recognitions received for extension activities from government / government recognized bodies are :

- Swachh Bharath Abhiyan -Cleaning of Railway station premises by Southern Railway, Guruvayur in 2022-2023.
- Best NSS unit Award by National Service Scheme Tech Cell, KTU in the year 2021-2022.
- Best Programme Officer Award of NSS by National Service Scheme Tech Cell, KTU in 2021-2022.
- Best Volunteer Award - University NSS Award by National Service Scheme Tech Cell, KTU in 2021-2022.
- Special Appreciation Award for Home for Homeless project received from former Minister K T Jaleel by National Service Scheme Tech Cell & KTU in the year 2020-21
- Best Emerging Students’ Chapter Award by Indian Society for Technical Education, Kerala Section in 2019-2020.
- Best NSS Unit Award by National Service Scheme Tech Cell in the year 2019-2020
- Best NSS Program officer Award by National Service Scheme Tech Cell in the year 2019- 2020
- Swachh Bharath Intern Award by National Service Scheme Tech Cell, Kerala in 2019-2020.
- Third position in Swachh Bharath Summer Internship Programme (SBSI) 2019 by NSS Regional Directorate, Trivandrum in 2019-2020.
- Recognition for Institution by Rescue and Relief Mission, Thrissur - during Flood 2018 by District Collector in 2018-2019.
- Recognition for Institution for Socio-Economic Survey as a part of AMRUT Project by Town Planner, Thrissur District in 2018-2019.
- Special Appreciation Award by National Service Scheme Tech Cell in the year 2018-19
- Special Appreciation Award for flood activities received from former Thrissur District Collector Ms. Anupama IAS in the year 2018

Concluding Remarks :

Since its inception in 2009, the institution has grown in stature and promises to continue in its progressive mode of serving the world with Engineers of human values and knowledge. With the globalisation of industries and economies, the global scope for qualified engineers is steadily on the ascendant. In a short span of fifteen years, Thejus has established itself as a reputed engineering institute in the state in relation to an academic environment conducive for high quality teaching-learning process. Despite changes in socio-political and economic conditions, the Vision and Mission remain unwavered. Cheruvathur Foundation has set up Thejus

Engineering College so as to help the youths belonging to the society around it by providing them with high quality education in engineering and technology at affordable cost. The institution with its superlative infrastructural and academic facilities, is committed to bringing out engineers who are industry ready and globally competent. Students and parents alike expressed gratitude to the college for the use of technology to connect with them throughout the COVID-19 pandemic. This institution provides quality technical education that lays emphasis not only on knowledge, technology, information and communication but also aspires to empower the youth morally and ethically to serve society selflessly.

6.ANNEXURE

1.Metrics Level Deviations

<table>
<tr><td>Metric ID</td><td>Sub Questions and Answers before and after DVV Verification</td></tr>
<tr><td>1.2.1</td><td>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)

Answer before DVV Verification :
Answer After DVV Verification :34
Remark : DVV has made changes as per the report shared by HEI.</td></tr>
<tr><td>1.3.2</td><td>Percentage of students undertaking project work/field work/ internships (Data for the latest completed academic year)

1.3.2.1. Number of students undertaking project work/field work / internships
Answer before DVV Verification : 316
Answer after DVV Verification: 303

Remark : DVV has made changes as per the report shared by HEI.</td></tr>
<tr><td>2.1.1</td><td>Enrolment percentage

2.1.1.1. Number of seats filled year wise during last five years (Only first year admissions to be considered)
Answer before DVV Verification:
<table>
<tr><td>2022-23</td><td>2021-22</td><td>2020-21</td><td>2019-20</td><td>2018-19</td></tr>
<tr><td>76</td><td>163</td><td>97</td><td>246</td><td>294</td></tr>
</table>
Answer After DVV Verification :
<table>
<tr><td>2022-23</td><td>2021-22</td><td>2020-21</td><td>2019-20</td><td>2018-19</td></tr>
<tr><td>76</td><td>163</td><td>97</td><td>246</td><td>194</td></tr>
</table>
2.1.1.2. Number of sanctioned seats year wise during last five years
Answer before DVV Verification:
<table>
<tr><td>2022-23</td><td>2021-22</td><td>2020-21</td><td>2019-20</td><td>2018-19</td></tr>
<tr><td>300</td><td>300</td><td>300</td><td>606</td><td>648</td></tr>
</table>
Answer After DVV Verification :
<table>
<tr><td>2022-23</td><td>2021-22</td><td>2020-21</td><td>2019-20</td><td>2018-19</td></tr>
<tr><td>276</td><td>276</td><td>276</td><td>588</td><td>594</td></tr>
</table>
Remark : DVV has made changes as per the report shared by HEI.</td></tr>
</table>

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***

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

Answer before DVV Verification:

2022-23	2021-22	2020-21	2019-20	2018-19
48	110	61	150	114

Answer After DVV Verification :

2022-23	2021-22	2020-21	2019-20	2018-19
38	80	47	120	97

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

Answer before DVV Verification:

2022-23	2021-22	2020-21	2019-20	2018-19
158	167	155	315	381

Answer After DVV Verification :

2022-23	2021-22	2020-21	2019-20	2018-19
138	155	143	294	324

Remark : DVV has made changes as per the report shared by HEI.

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:

2022-23	2021-22	2020-21	2019-20	2018-19
10	3	2	6	3

Answer After DVV Verification :

2022-23	2021-22	2020-21	2019-20	2018-19
1	12	2	2	7

Remark : DVV has made changes as per the report shared by HEI.

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:

2022-23	2021-22	2020-21	2019-20	2018-19
1	1	0	7	20

Answer After DVV Verification :

2022-23	2021-22	2020-21	2019-20	2018-19
0	0	0	0	0

Remark : DVV has considered the input as "0" as none of the research papers published are notified on UC CARE List.

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:

2022-23	2021-22	2020-21	2019-20	2018-19
1	0	6	3	2

Answer After DVV Verification :

2022-23	2021-22	2020-21	2019-20	2018-19
1	0	0	6	1

Remark : DVV has made changes as per the report shared by HEI.

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:

2022-23	2021-22	2020-21	2019-20	2018-19
30	56	47	84	65

Answer After DVV Verification :

2022-23	2021-22	2020-21	2019-20	2018-19
27	20	18	68	47

Remark : DVV has made changes as per the report shared by HEI.

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 :
Answer After DVV Verification :9
Remark : DVV has only considered the functional MOUs.

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:

2022-23	2021-22	2020-21	2019-20	2018-19
148.43	101.46	117.2	298.69	159.58

Answer After DVV Verification :

2022-23	2021-22	2020-21	2019-20	2018-19
62.79	51.35	26.59	124.59	33.31

Remark : DVV has made changes as per the report shared by HEI.

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

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:

2022-23	2021-22	2020-21	2019-20	2018-19
4	3	1	2	1

Answer After DVV Verification :

2022-23	2021-22	2020-21	2019-20	2018-19

4	0	3	1	2

Remark : DVV has made changes as per the report shared by HEI.

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**

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***

Answer before DVV Verification:

2022-23	2021-22	2020-21	2019-20	2018-19
4	2	0	7	4

Answer After DVV Verification :

2022-23	2021-22	2020-21	2019-20	2018-19
2	0	0	6	2

Remark : DVV has made changes as per the report shared by HEI.

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)**

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:

2022-23	2021-22	2020-21	2019-20	2018-19
1398	1040	2	844	616

Answer After DVV Verification :

2022-23	2021-22	2020-21	2019-20	2018-19
2	3	2	4	3

Remark : DVV has made changes as per the report shared by HEI.

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: B. 3 of the above
Remark : DVV has made changes as per the report shared by HEI.

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***

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**

Answer before DVV Verification:

2022-23	2021-22	2020-21	2019-20	2018-19
25	45	70	125	62

Answer After DVV Verification :

2022-23	2021-22	2020-21	2019-20	2018-19
7	15	16	22	12

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

Answer before DVV Verification:

2022-23	2021-22	2020-21	2019-20	2018-19
25	30	31	38	34

Answer After DVV Verification :

2022-23	2021-22	2020-21	2019-20	2018-19
25	30	31	38	34

Remark : DVV has made changes as per the report shared by HEI.

2.Extended Profile Deviations

Extended Profile Deviations
No Deviations