



# **SELF STUDY REPORT**

**FOR**

**2<sup>nd</sup> CYCLE OF ACCREDITATION**

**JAI SHRIRAM ENGINEERING COLLEGE**

**DHARAPURAM ROAD AVINASHIPALAYAM TIRUPUR  
638660**

**[www.jayshriram.edu.in](http://www.jayshriram.edu.in)**

**Submitted To**

**NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL**

**BANGALORE**

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# **1. EXECUTIVE SUMMARY**

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## **1.1 INTRODUCTION**

Jai Shriram Engineering College (JSREC), Avinashipalayam, Tirupur, Tamilnadu was established by Shenthil Velevan Charitable Trust in the year 2009. The institution is approved by AICTE and affiliated to Anna University, Chennai, recognized by UGC 2(f), accredited by NAAC and accredited by NBA for Computer Science and Engineering, Electronics and Communication Engineering. The campus is landscaped in 11.91 acres with adequate infrastructure facilities.

The institution offers B.E degree in Civil Engineering (CE), Computer Science & Engineering (CSE), Electronics & Communication Engineering (ECE), Electrical & Electronics Engineering (EEE), Mechanical Engineering (ME) and B.Tech Fashion Technology and Artificial Intelligence and Data Science, M.E in Applied Electronics (AE), Computer Science & Engineering (CSE), Structural Engineering and Master of Business Administration (MBA).

The institution functions under the guidance of philanthropist Shri.M.Govindasamy, Chairman and Shri.T.K.Karuppanaswamy, Vice Chairman. The institute stands forth in creating great minds with optimal advantage in terms of advanced technical knowledge and skills in the distinct aspects of intellectual growth and development. The motto of the institution is to equip and implant the seed of higher education in and around the Textile City. The focus is on producing employable and responsible engineers, who will cater the demanding needs of modern engineering jobs and society.

### **Vision**

To provide world class engineering and management education to promote the rural community students with research oriented global competitiveness.

### **Mission**

- Maintaining a level of excellence and standards in all programmes that leads to global significance
- Offering research oriented opportunities and promote the rural community students as an employable engineers and managers with hands on practical experience with industrial exposure
- Inculcating entrepreneurial culture in young minds and create leaders to serve the society with ethical values

## **1.2 Strength, Weakness, Opportunity and Challenges(SWOC)**

### **Institutional Strength**

- Well experienced and dedicated faculty members
- Strong administration with standard procedures,management policies and practices
- Financial support to the Faculty members for Journal publications, participation in Conference and

courses

- Excellent infrastructure with adequate laboratories
- Accredited by NBA for two programmes
- Meritorious scholarship to the deserving students and for the economically weaker section students
- Well planned and continuous Training that leads to better Placement opportunity
- Active student participation through various Cells/Clubs/Committees
- Active participation by alumni in supporting academic and placement activities
- Collaborated with reputed Industries and MNCs.
- Industry owned Institute - Barani Hydraulics, Coimbatore a leading global level Hydraulics Machine building industry

### **Institutional Weakness**

- Avenues in receiving funds through various funding agencies are limited
- Getting students from other states or other districts
- Department yet to get recognition as Research Centres

### **Institutional Opportunity**

- Resource/Revenue generation through consultancy
- Utilization of Alumni database to develop academic engagement and placement
- Opting for Autonomy to enhance the curriculum as per the industrial needs

### **Institutional Challenge**

- Attracting high caliber students
- Less number of students opting for higher studies
- Being an affiliated institute, difficult to bridge the gap between academic curriculum and industry expectations

## **1.3 CRITERIA WISE SUMMARY**

### **Curricular Aspects**

Jai Shriram Engineering College is affiliated to Anna University, Chennai. The Institute offers seven undergraduate and four post graduate programmes as per the curriculum and syllabi of Anna University. Choice Based Credit System and Elective courses are followed for all the students from 2017-18 academic years onwards. Based on the academic schedule of the university, the HoDs of all departments prepares academic calendar which includes academic and extracurricular activities. Allotment of subjects including open electives is done by Head of the Department based on the faculty expertise and preference given by the faculty members.

For the effective content delivery, the lecture plan is prepared focusing on Outcome based Education by respective Course in charges for both theory and laboratory courses. Curriculum Enrichment is achieved through Beyond Syllabus Activities, Value Added courses, NPTEL courses and programs on extra-curricular

and co-curricular activities. The Academic Development Cell (ADC) is responsible for conducting Internal and university examinations as per the academic calendar of the institute and university. Class Committee meetings are conducted periodically to get feedback from the students on syllabus completion and challenges faced in the learning process.

Institute has the provision of various committee activities which contribute to sensitizing students to crosscutting issues like Gender, Environmental Sustainability, Human Values, and Professional Ethics for the development of creative and divergent competencies with the related courses such as Environmental Science and Engineering, Professional Ethics and Human Values and Principles of Management. Students are motivated to undergo In-plant training, Field visit, Industrial visit and Internship in industries to gain practical exposure and identify problem statements for mini-projects and project work. Institute has established a structured Feedback System (Students, Faculty Members, Alumni and Employers) which is collected as per the schedule and reviewed with corrective mechanism for improvement. All the efforts are made to provide an opportunity to the students to become competent professionals by the completion of their program of study and excel in their career opportunities.

### **Teaching-learning and Evaluation**

JSREC follows the TamilNadu Engineering Admissions (TNEA) Counseling by the State Government of Tamilnadu for admissions in UG and PG programmes. The admission process ensures inclusion of students from all categories through social reservations defined by State Government of Tamilnadu. Well planned Induction programs and Bridge course are organized for the newly joined students.

The Institute follows the norms and guidelines provided by AICTE for the faculty recruitment and have the required Faculty Student ratio. The innovative teaching learning process is implemented with ICT tools and various pedagogical initiatives like NPTEL Videos, Power Point Presentation, Lectures with animated videos, Google Classrooms and Kahoot by all the faculty members. Teaching Learning Center is incepted and all faculty members utilizes the same to prepare videos and upload them in separate you tube blog accessed by all student community. All faculty members are allotted as mentor for the students to counsel the students in both academic and personal issues.

The institute practices Outcome Based Education for imparting effective teaching learning process. Faculty members adopt different student centric methods like experiential learning, participative learning and problem solving methods. Student learning experiences are enhanced by Industrial Visits, In plant training and Field Visits. Academic Development Cell (ADC) functions effectively for the successful conduct of Internal and End semester Examinations, with a team of ADC Convener and ADC coordinators from every department. The examination and evaluation system is followed systematically in par with the rules and regulations laid by the university which are revised from time to time making the ADC more efficient.

Internal Examination Question paper is framed by Revised Bloom's Taxonomy. COs are framed for all courses in the curriculum and disseminated to all students through classrooms, during lectures by faculty members and displaying it in websites. A systematic procedure is followed by every department in the attainment of Course Outcomes (CO), Program Educational Objectives (PEOs), Program Outcomes (PO) and Program specific Outcomes (PSOs) in accordance with Outcome Based Education. Program Assessment committee (PAC), Department Advisory committee (DAC) and IQAC follows the attainment of CO and PO and reviews the teaching learning process.

## Research, Innovations and Extension

Research and Development Cell (R&D) of the Institute encourages faculty members to pursue research in their respective domain. Faculty members are motivated to submit research proposals and consultancy projects for Government and Non-Government agencies by creating a linkage with Government R&D Institutes and Industries. The Institute has received funds from various government agencies like DST, ICMR, ICSSR, AICTE, TNSCST, NBHM, AICTE-ATAL, NABARD and so on. The Institute is recognized by MSME as Host Institute for Incubation Centre. IPR cell promotes the students innovation and patent to establish a Start up.

The Institution motivates all departments to organize seminars, workshops and conferences and also encourages faculty members and students to attend research oriented activities outside the college. R&D cell and IQAC have created a platform to facilitate research among faculty members and students by organizing research oriented programmes like Intellectual property rights, International and National Conferences and Product to patent. Institute provides necessary support to the faculty members and students for publication of their research work and patents in reputed journals. The faculty members have published 156 research papers in National/ International/ UGC recognized journals.

The Institute provides academic leave, for pursuing doctoral work, permission and financial support to attend conferences for paper presentation and Faculty Development Programs (FDP). Apart from the academic activities, the holistic development of students is improved by creating opportunities through extension activities which are organized by various clubs and cells. The outreach programmes are organized by NSS, YRC, ECO club, Social welfare club. Through this club, Blood donation camp, Dengue awareness, Road Safety Rally, AIDS awareness, tree plantation, Donation to ashrams are conducted periodically. The institution has been appreciated and awarded for social responsibility.

The Institution has signed 28 MoUs with various industries and foreign Universities and has more than 200 industrial linkage programs such as In-plant training, Internships, Industrial visits and industrial projects for the benefit of the students. Faculty members have gone for industrial training which enhances their research work.

## Infrastructure and Learning Resources

The Institute has developed adequate infrastructure and learning resources in the campus to achieve its objective of excellent education. The college has about 11.91 acres with 18417.3 sq.m built up area. The Institute has Hostel facility for boys and girls, 3 acres of open yard play ground, 32 ICT enabled classrooms and well equipped laboratories. All departments are equipped with the computer facilities with internet connectivity. Well stacked library with fully automated integrated Learning Management System (iLMS) of e- learning resources, 8220 Book titles, 27903 volume of books, 5000 E-Journals (DELNET) & 325 e-journals (Springer) and 10661e-books are available. Digital Library is equipped with 26 Systems; users can access e-resources like Springer and other e-resources. Faculty and students can access the facilities beyond the college working hours.

The classrooms are equipped with LCD projectors to facilitate the Modern teaching methods in addition with Interactive boards. ICT resources have been sufficiently strengthened in the institution with 562 Computer to Student ratio being about 1.72:1. Bandwidth of internet connection is 310Mbps. 4 seminar halls with each one seating capacity of 120, one conference hall with a seating capacity of 580, equipped with modern audio and visual instruments. The institute has Indoor & outdoor sports, Gymnasium, canteen, first aid centre, girl's rest/recreation room, garage and many washrooms.

Uninterrupted electricity supply is ensured in the campus with the help of 125kVA and with inverters and UPS systems. The institution has power house installed with two Diesel Generators and solar power. Power consumption, water coolers, solar panels, fire fighting equipments, energy monitoring and generator maintenance are regularly undertaken by authorized vendors under Annual Maintenance Contract (AMC). Transport facility is provided in and around the district. The college has a beautiful eco-friendly environment with herbal garden and lawns. Campus is neatly maintained in all aspects. Adequate financial allocations are made for internal maintenance work of all infrastructures and maintenance of greenery.

### **Student Support and Progression**

Institute provides necessary assistance to the students in developing their career and meaningful experience for learning. Government and Institute scholarships are provided to the needy students and more than 70% of the students get benefitted through various scholarships. Guidance for competitive examination, soft skills training, Life skills, ICT/Computing Skills, Yoga and meditation classes are initiatives for student all round development. Training and Placement cell functions effectively and offer Career guidance and skill enhancement programs such as communication skill, soft skills, technical skills to ensure better placement opportunities for the students. On an average 80% of the students are placed on campus.

The Institute follows mentoring system and remedial coaching classes are provided for academically weak students to improve their academics. Students are allowed to work during extended hours in the laboratory to enhance their skills. Grievance Redressal Committee, Anti-Ragging Committee and Internal Complaints Committee help the students to address the issues, if there are any. Various committees and Cells are being formed at various levels to enhance and support the students to improve their life skills. Subsidized food in hostel is arranged for all students. Students participating in national level activities are encouraged and supported with additional funds to explore themselves.

Physical Education department and Fine Arts club regularly conducts sports activities and cultural activities. More than 50 programs are organized every year to bring out the talent of the students. Modern Gym facilities are equipped to develop physical fitness of the students. Alumni are actively involved in student development activities. Registered Alumni cell is functioning to establish the relationship with Alumni and many programs are conducted and an Alumni Chapter is incepted at Chennai. Also alumni's are regularly contributing for development activities.

### **Governance, Leadership and Management**

The Institute functions as per the guidelines from the statutory bodies of AICTE and Anna University and has an effective and transparent governing system in tune with the vision and mission of the Institution. The organization structure of the Institution and decentralization is clearly defined in the campus. The Principal heads the academic and administrative set up. The various committees headed by senior faculty members plans and execute the activities for the development of the institute and ensure decentralized and participative management.

Institution/departments have a clear perspective/strategic plan and it is deployed effectively. Each functional body is clearly defined with service rules and procedures. Institution has well defined procedures for

recruitment and promotion. Institution has implemented e-governance in all the areas of administration, examination process and academics. Various bodies/cells/committees are working effectively and regular meetings are called for the discussion and minutes are recorded.

Faculty members and non teaching staff are motivated to participate in various career guidance programs and FDPs. Regular financial supports are provided by the institute. Institute has implemented various faculty welfare measures for the benefit of the teaching and non teaching faculty members. The allocation of budget is headed by the management and disbursed by the principal to different departments/ committees for Infrastructure development & maintenance, establishments of Laboratories, library, Sports, Membership and other necessary expenditure.

The financial management of the institution is handled by administrative section and monitored by the Administrative officer. The college has a well established Internal Quality Assurance Cell (IQAC) which ensures the quality of teaching-learning practices, faculty improvement, equipping student skill and quality related activities. The IQAC conducts regular meetings for the continuous planning, implementing, monitoring of undergoing activities towards the improvement in the overall performance of the institution. IQAC conducts the Academic and Administrative Audit and based on the observation of the report quality recommendation are given.

### **Institutional Values and Best Practices**

JSREC runs with the motto of “Towards Academic Excellence”. This is achieved by taking more measures by inculcating quality education along with moral values. Institution organizes various seminars on the safety, security and empowerment of women on every year since the day of inception. To ensure the safety and security of women, CCTV surveillance cameras have been installed. Also, committees have been formed under senior faculty members to address various concerns of students in view of promoting gender equity. Besides the academic process, various club activities are actively functioning in the institute for ensuring active participation of students in extension activities.

The college has taken some significant measures in energy conservation, waste management, rain water harvesting and tapping unconventional energy sources. Sensor-based energy conservation is done to avoid unwanted usage of electricity and steps are initiated by the Institution for the management of degradable and non-degradable wastes and water conservation. Sufficient facilities are provided to the differently abled students like lift, ramp and rails inside the campus. Green Audit, Energy Audit and Environmental Audits are conducted and Best Green Campus award has been given by the recognized certified agency.

Best practices of the Institution are “Technological Revolution through Students Real -Time Projects” and “Students Skill Enhancement Programme”. Institutional distinctiveness aims at enlightening the learning skills with a focus on futuristic demands, energizing teaching learning process, Human Values, and functional relationship with all the stakeholders for the holistic development of the individual and society. Jai Shriram Engineering College has earned the reputation of being an “Industry owned Institute”. It promotes strong interaction and collaboration with the industry for all the domains being offered, which assist the students in learning beyond the syllabus.

## 2. PROFILE

### 2.1 BASIC INFORMATION

Name and Address of the College	
Name	Jai Shriram Engineering College
Address	Dharapuram Road Avinashpalayam Tirupur
City	Tirupur
State	Tamil Nadu
Pin	638660
Website	<a href="http://www.jayshriram.edu.in">www.jayshriram.edu.in</a>

Contacts for Communication					
Designation	Name	Telephone with STD Code	Mobile	Fax	Email
Principal	R.Thirumalai	0421-2313335	9047098314	0421-2313336	principal@jayshriram.edu.in
IQAC / CIQA coordinator	J.Nandhini	0421-2313337	9843054846	-	viceprincipal@jayshriram.edu.in

Status of the Institution	
Institution Status	Self Financing

Type of Institution	
By Gender	Co-education
By Shift	Regular

Recognized Minority institution	
If it is a recognized minority institution	No

Establishment Details	



State	University name	Document
Tamil Nadu	Anna University	<a href="#">View Document</a>
Tamil Nadu	Anna University	No File Found

Details of UGC recognition		
Under Section	Date	View Document
2f of UGC	26-06-2014	<a href="#">View Document</a>
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	<a href="#">View Document</a>	02-06-2023	12	

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

Location and Area of Campus				
Campus Type	Address	Location*	Campus Area in Acres	Built up Area in sq.mts.
Main campus area	Dharapuram Road Avinashpalayam Tirupur	Rural	11.91	18417.3

## 2.2 ACADEMIC INFORMATION

<b>Details of Programmes Offered by the College (Give Data for Current Academic year)</b>						
<b>Programme Level</b>	<b>Name of Programme/Course</b>	<b>Duration in Months</b>	<b>Entry Qualification</b>	<b>Medium of Instruction</b>	<b>Sanctioned Strength</b>	<b>No.of Students Admitted</b>
UG	BE,Civil Engineering,Civil Engineering	48	HSC	English	60	15
UG	BE,Computer Science And Engineering,Computer Science and Engineering	48	HSC	English	60	60
UG	BE,Electrical And Electronics Engineering,Electrical and Electronics Engineering	48	HSC	English	60	35
UG	BE,Electronics And Communication Engineering,Electronics and Communication Engineering	48	HSC	English	60	60
UG	BE,Mechanical Engineering,Mechanical Engineering	48	HSC	English	60	21
UG	BTech,Fashion Technology,Fashion Technology	48	HSC	English	60	38
UG	BTech,Artificial Intelligence And Data Science,Artificial	48	HSC	English	60	60

	l Intelligence and Data Science					
PG	ME, Computer Science And Engineering, Computer Science and Engineering	24	UG	English	18	1
PG	ME, Applied Electronics, Applied Electronics	24	UG	English	18	1
PG	ME, Structural Engineering, Structural Engineering	24	UG	English	18	13
PG	MBA, Master Of Business Administration, Master of Business Administration	24	UG	English	60	52

### Position Details of Faculty & Staff in the College

<b>Teaching Faculty</b>												
	<b>Professor</b>				<b>Associate Professor</b>				<b>Assistant Professor</b>			
	Male	Female	Others	Total	Male	Female	Others	Total	Male	Female	Others	Total
Sanctioned by the UGC /University State Government	5				6				89			
Recruited	3	2	0	5	3	3	0	6	42	47	0	89
Yet to Recruit	0				0				0			
Sanctioned by the Management/Society or Other Authorized Bodies	5				6				89			
Recruited	3	2	0	5	3	3	0	6	42	47	0	89
Yet to Recruit	0				0				0			

<b>Non-Teaching Staff</b>						
	<b>Male</b>		<b>Female</b>		<b>Others</b>	<b>Total</b>
Sanctioned by the UGC /University State Government						12
Recruited	10		2		0	12
Yet to Recruit						0
Sanctioned by the Management/Society or Other Authorized Bodies						12
Recruited	10		2		0	12
Yet to Recruit						0

<b>Technical Staff</b>				
	<b>Male</b>	<b>Female</b>	<b>Others</b>	<b>Total</b>
Sanctioned by the UGC /University State Government				13
Recruited	8	5	0	13
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				13
Recruited	8	5	0	13
Yet to Recruit				0

**Qualification Details of the Teaching Staff**

<b>Permanent Teachers</b>										
<b>Highest Qualification</b>	<b>Professor</b>			<b>Associate Professor</b>			<b>Assistant Professor</b>			<b>Total</b>
	<b>Male</b>	<b>Female</b>	<b>Others</b>	<b>Male</b>	<b>Female</b>	<b>Others</b>	<b>Male</b>	<b>Female</b>	<b>Others</b>	
D.sc/D.Litt/LLD/DM/MCH	0	0	0	0	0	0	0	0	0	0
Ph.D.	3	2	0	3	2	0	0	2	0	12
M.Phil.	0	0	0	0	0	0	4	11	0	15
PG	0	0	0	0	1	0	38	34	0	73
UG	0	0	0	0	0	0	0	0	0	0

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

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

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

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

Programme		From the State Where College is Located	From Other States of India	NRI Students	Foreign Students	Total
UG	Male	148	1	0	0	149
	Female	147	0	0	0	147
	Others	0	0	0	0	0
PG	Male	41	1	0	0	42
	Female	25	0	0	0	25
	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	36	37	31	18
	Female	44	10	24	16
	Others	0	0	0	0
ST	Male	0	0	0	1
	Female	0	0	0	0
	Others	0	0	0	0
OBC	Male	151	143	93	52
	Female	121	102	77	36
	Others	0	0	0	0
General	Male	4	1	4	3
	Female	7	2	1	2
	Others	0	0	0	0
Others	Male	0	0	0	0
	Female	0	0	0	0
	Others	0	0	0	0
Total		363	295	230	128

**Institutional preparedness for NEP**

1. Multidisciplinary/interdisciplinary:	<p>Jai Shriram Engineering College offers various engineering and management programs in under graduate and post graduate levels. All the programs follow the CBCS (Choice Based Credit System) structure, where the credits assigned to the recommended courses are particular. Each course has a certain amount of credits and is designated as Core, Professional Elective, Open Elective, Skill-Based, Mandatory Elective and Value Based courses are provided to students. Multidisciplinary education is an academic and pedagogical approach to develop multiple capacities in the intellectual, aesthetic, social and moral domains among the students by integrating formal and informal learning opportunities in teaching, research promoting interdisciplinary perspectives and academic practice. Experiential learning is incorporated in almost all UG and PG programs in the form of projects, Industrial Visits, study tours, internships and Industry collaborative trainings. The unique goals of different courses and the scope of various programs contribute to the students' overall growth. As an affiliated non autonomous institution, the college adheres to the guidelines established by the parent university in respect of entry-level requirement for a program and the duration of a program.</p>
2. Academic bank of credits (ABC):	<p>Academic Bank Account is an individual account with the Academic Bank of Credits (ABC) opened and operated by a student, in which all academic credits earned by the individual Student throughout their learning journey are deposited, recognized, maintained, accumulated, transferred, validated or redeemed for the purposes of the award of degree. ABC stands for Antecedent (A), Behaviour (B) and Consequence (C). It is an observation tool that teachers can use to analyze what happened before, during and after a behaviour. ABC enables the student mobility. It provides the flexibility in academics and allows student to choose own learning path. As an affiliated institution, the college has limited options for implementing the ABC system. However, the organization will adhere to the guidelines set forth by the affiliating university. The institution has made initial steps to make necessary registration process for ABC. The student can earn the credits through NPTEL courses, Internship and approved schemes like Naan Mudhalvan. The</p>



	<p>validity of such credits shall be as per the norms and guidelines issued by the UGC and the affiliating university from time to time. The key features of ABC are Duration, Choice and Flexibility. The duration refers to multiple entry and multiple exit option during the course of study. By the choice any course can be chosen by the student in any stream, anytime and anywhere to learn. Basically, the student needs to learn the basic concepts then proceed to advanced concepts. Flexibility refers to student can choose any stream of the course at any time and can get the certificate for that course. Secured credit is in the Academic Bank Accounts of the students maintained in ABC can be redeemed against the courses in the curriculum or can be additionally added for the award of Degrees as per the university norms. ABC offers the credit range of 1 credit which is equal to 15 hours of course work in one semester. Credits for internship shall be one credit per one week of internship, subject to a maximum of two credits.</p>
<p>3. Skill development:</p>	<p>Integrating skill based education with general education is the most promising way to equip the students with knowledge, skills and competencies, which would pave way for them to balance both life and work. Life skill programs such as yoga, meditation, women's safety, health and hygiene are conducted to create moral principles within them. Students are instilled the virtue of national integration, by inspiring the young graduates to participate in events on the occasion of Republic Day, Independence Day, Voter's Day, Environment Day, and National Integration Day. All undergraduate students are required to join in any one of the clubs or cells, such as NSS, YRC, RRC, Eco Club, etc. based on their willingness. In addition to regular curriculum teaching the institute undertakes various efforts to provide value-based education every semester. The Institution has identified industries to collaborate for internship exposing the students to work environment and getting hands-on experience.</p>
<p>4. Appropriate integration of Indian Knowledge system (teaching in Indian Language, culture, using online course):</p>	<p>India being a diversified country it is important to preserve the culture and language. NEP 2020 envisages a greater Promotion of Indian Languages, Arts and Culture and to preserve. The institute has primary medium of instruction as English since it is a higher education institution. The university has also</p>

noted the challenges that students experience when using English in the classroom. Professional students have less opportunity to learn regional languages once they enter college life as the requirement of these languages is not mandatory in the work environment of engineering graduates. The institute integrates the knowledge system of the Tamil language and the rich cultural heritage available among the ancient Tamil with the curriculum. As the geographic location of our institute is in rural area, the students from rural background enroll more. To support these students, classes are conducted in bilingual (English and Tamil). The multi day Hindu harvest festival “Pongal” is celebrated in a grand manner with traditional dresses. Tamil Club for Tamil literature, music & poetry and drama, is available in our institution to promote the aspects of Tamil culture and tradition. This club helps the students to develop their knowledge and skills in their mother tongue. The Parent University has also introduced two UG courses (B.E.- Civil Engineering and Mechanical Engineering in Tamil Medium.

5. Focus on Outcome based education (OBE):

Outcome based Education focuses on the course's outcomes in all of its components and facets. Specific program and course outcomes are listed for each of the programs and courses that are recommended in the syllabi. During Board of Studies and Academic Council meeting, the affiliating university is sufficiently represented during the design and development of the curriculum to place more emphasis on the course outcomes and experiential learning. Two UG programs (B.E. Computer Science and Engineering and Electronics and Communication Engineering) got accredited by NBA. In this process, the OBE has been implemented in all stages of Teaching-Learning Process. In line with the Graduate Attributes, PEOs and Pos referred in the NBA documents; markers have been developed and disseminated to the stakeholders. The PEOs have been established considering the factors such as Preparation, Core Competence, Breadth Professionalism and Life Long Learning. Course outcomes have been defined for all the courses and the correlation strength with various POs has also been specified. In the evaluation process which includes Continuous Assessment and Semester Examination, the performance of the students in each

	<p>course is linked to the POs and there after the PEOs and attainment is evaluated. The loop is closed on 360° feedback mechanism to monitor continuously and achieve Outcome Based Education. Various committees at institution level and Department level keep assessing the attainment every semester. Documentary evidences are maintained so as to have a peer level evaluation.</p>
6. Distance education/online education:	<p>There is a paradigm shift in the modes of the Teaching-Learning from class room teaching methods to online Teaching. This is exhibited in the worldwide popularity of online education like MOOCs, etc. The Institution encourages the students and faculty members to register and write examinations under SWAYAM/NPTEL in recent years.</p>

### Institutional Initiatives for Electoral Literacy

1. Whether Electoral Literacy Club (ELC) has been set up in the College?	<p>Yes, The Electoral Literacy Club (ELC) exists in our college, and it is successfully running in full swing with the support of our students. Students become well-known with the election progression through variety of activities which includes voter registration and voting</p>
2. Whether students' co-ordinator and co-ordinating faculty members are appointed by the College and whether the ELCs are functional? Whether the ELCs are representative in character?	<p>We have coordinators from the side of faculty and students who are all chosen by the college, and they have their own representatives as well. This group carry over their responsibilities by involving student participants in various awareness programmes and events. The members make up the ELC are: 1. The Chairman 2. Faculty Coordinators and 3. Student Representatives</p>
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	<p>Every year, our ELC conducts guest lecture, seminars and competitions exclusively for the first-year students to enlighten their rights and inspire them to exercise those rights by casting a vote. These types of programme help to educate the young minds to know about their rights and to utilize those rights by casting a vote to apt personalities. The Election Commission of India organizes various competition for the students to make them aware about the importance of voting. Also, through the club, the students</p>

<p>citizens, etc.</p>	<p>participated in Poster Making Competition on the title “The Power of One Vote” and Singing Competition on the title “My Vote My Right” organized by The Election Commission of India. Also, various ELC competitions were organized in our campus with the support of Thasildhar / Collectorate office officials. Our Students actively participated and received cash awards, certificate and medals from the Deputy Collector Mr.Sruthan Jai Jayanth IAS. Ms.S.Kavitha and Ms.J. Faustina were the faculty coordinators and they actively involve with all the ELC club students and organize appropriate outreach activities to create the awareness and importance of voting among the rural people.</p>
<p>4. Any socially relevant projects/initiatives taken by College in electoral related issues especially research projects, surveys, awareness drives, creating content, publications highlighting their contribution to advancing democratic values and participation in electoral processes, etc.</p>	<p>Students are optimistic to make awareness among the rural people in the form of public meeting with suitable illustrative sign boards and charts in native language. As instructed by the District Collector Officer, every year our students actively participate in the awareness programme and these awareness programmes surely let the people to know the exact value of voting and its process. Also, they actively participate in social activities to enlighten the importance of casting a vote.</p>
<p>5. Extent of students above 18 years who are yet to be enrolled as voters in the electoral roll and efforts by ELCs as well as efforts by the College to institutionalize mechanisms to register eligible students as voters.</p>	<p>The club collaborates with the District Collector office who is also the District Election Officer (DEO) participate and assign events to the club for creating awareness on the importance of voting through various programs like rally , surveys and conducting Competitions for the students and with the full support of ELC, our first year students are motivated to enroll their names in the electoral roll.</p>

## Extended Profile

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### 1 Students

#### 1.1

Number of students year wise during the last five years

2022-23	2021-22	2020-21	2019-20	2018-19
986	826	849	849	1296
File Description		Document		
Upload Supporting Document		<a href="#">View Document</a>		
Institutional data in prescribed format		<a href="#">View Document</a>		

### 2 Teachers

#### 2.1

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

Response: 175

File Description	Document
Upload Supporting Document	<a href="#">View Document</a>
Institutional data in prescribed format	<a href="#">View Document</a>

#### 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
100	102	103	84	76

### 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
274.47	134.32	107.98	246.18	239.21



## 4. Quality Indicator Framework(QIF)

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### Criterion 1 - Curricular Aspects

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#### 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:**

The institution follows the curriculum laid down by Anna University, Chennai. The institute prepares academic calendar based on the Anna University schedule for each semester. As per the institute academic calendar, each department prepares their own department calendar which includes the date of commencement of the classes, duration of the semester, internal assessments, unit completion, celebration of various national and international programs, fixed holidays, project review, seminar, workshop, expert lecture, commencement of the university practical and semester examination. Based on the faculty specialization and experience, Head of the Department allocate subjects to all the faculty members. Students are allowed to choose the elective courses and the selected courses are approved by the department Head. The common templates such as internal question paper, time table, assignment, lesson plan, CO and PO attainment, etc., are formed by IQAC and it has been followed throughout the year. The time table co-ordinator prepares both class and individual time table for each semester and approved by Head and Principal. The lecture plan is prepared by the concern subject faculty and it includes topics to be covered and the pedagogy techniques to be adopted with plan of hours. Additionally, assignments, seminar and projects are given to the students which are the best practices to gain in-depth knowledge in a particular subject.

Syllabus completion report is collected from the faculty to ensure the completion of syllabus within time. The Head of the Department monitors the student's attendance and academic progress for individual course. Besides the curriculum, content beyond syllabus has been provided for each subject to enrich the skills and knowledge of the students. In the view of collecting academic feedback from the students, class committee meeting is conducted thrice per semester. In class committee meeting, students get an opportunity to share their own difficulties in both academic and non-academic progress and it plays a greatest platform for both students and faculty members to strengthen their teaching learning process.

Academic Development Cell (ADC) performs activities such as conducting internal test, model exam, result analysis, slow learners identification, revision class and monitoring the progress of slow learners. The course instructors prepare internal assessment question papers based on the revised Bloom's Taxonomy along with the scheme of evaluation. The internal assessment test timetable is prepared and published to stakeholders and test is conducted as per the schedule. The institute conducts three internal tests, one model exam for theory and a model lab for practical. ADC follows the central evaluation system to evaluate the paper in a common place in order to maintain the reliability of evaluation. After evaluation, the answer sheets are given to the students for any grievances. The grievances of the students are considered and verified by the respective subject faculty in the department. All the departments arrange special coaching classes and tutorials for slow learners. Remedial instruction is given to slow learners and challenged students. The student's academic progress is monitored regularly by adopting

the strategy of continuous internal evaluation, seminars, project work and semester examination.

File Description	Document
Upload Additional information	<a href="#">View Document</a>

## 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:** 64

File Description	Document
List of students and the attendance sheet for the above mentioned programs	<a href="#">View Document</a>
Institutional programme brochure/notice for Certificate/Value added programs with course modules and outcomes	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>
Evidence of course completion, like course completion certificate etc. Apart from the above:	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

### 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:** 87.33

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
941	804	819	753	880

File Description	Document
Upload supporting document	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>

## 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:**

The institute has strong community outreach through various curricular and co-curricular activities. The courses such as Environmental Sciences and Sustainability, Professional Ethics in Engineering, Air Pollution and Control Engineering, Environmental and Social Impact Assessment and Disaster Management are offered by Anna University, Chennai. The institute also incorporates the crosscutting issues of gender, human values, professional ethics, environment and sustainability.

#### **Professional Ethics and Human Values**

- All the first year B.E/B.Tech students have gained knowledge on ethics and human values through value-added program for the duration of 32 hours. The faculty members who have attended Universal Human Value programme and got the certificate handled the session.
- The university curriculum includes an elective subject titled 'Professional Ethics in Engineering' which inculcates ethical standards required for engineers. Ethical practices such as dress code, wearing of Identity cards, maintaining Ragging free environment and not indulging in any malpractice are ensured.
- The institution has an Anti-Ragging committee with the Principal as the convener. This committee effectively controls ragging against the fundamental human values and rights.
- Student volunteers of the NSS/Youth Red Cross/ Red Ribbon club extend their service in organizing blood donation camps and eye camps regularly. Social responsibility club organizes events like tobacco awareness, visit to orphanages, etc.,
- Tree plantation, blood donation camp, medical camp, rallies for awareness on traffic rules & safety and other social awareness campaigns are organized in the institution through NSS, Eco club and YRC to develop human values.

#### **Gender equity**

- As a co-educational institute, measures towards gender equity are taken for both the genders in all

aspects.

- The college has Women Development Cell (WDC) which is formed to redress the grievances of the girl students and promote leadership qualities among women.
- Equal opportunities are extended to boys and girls to participate in co-curricular and extra-curricular activities.
- Women Development Cell organizes many distinct programmes by inviting renowned women to share their acuity on women empowerment, health, professional development, social awareness, etc., Women's Day is celebrated every year with enlightening activities in which well performed girl students in various activities inside and outside the college are commemorated by the chief guest.

### Environment and Sustainability

- The institution has a lush green and clean campus. It is also conscious of energy conservation and adopts energy efficient practices of solar energy supplementation, and use of LEDs and CFLs lamps. Water conservation is effected by adopting water recycling and rain water harvesting techniques. The extension activities such as tree plantation, village cleaning and other activities are organized by NSS & Eco Club. Measures are also taken to make the campus plastic free.
- Environmental Science and Sustainability is a mandatory course for R2021 and other elective courses like Environmental Sciences and Engineering, and Air pollution and Control Engineering are offered to spread awareness about environmental sustainability, protection and efficient use of natural resources.
- Regular Energy and Green audit are carried out to ensure energy conservation and environmental sustainability.

File Description	Document
Upload Additional information	<a href="#">View Document</a>

### 1.3.2

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

**Response:** 57.81

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

Response: 570

File Description	Document
Upload supporting document	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>

## 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	<a href="#">View Document</a>
At least 4 filled-in feedback form from different stake holders like Students, Teachers, Employers, Alumni etc.	<a href="#">View Document</a>
Action taken report on the feedback analysis	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>
Link of institution's website where comprehensive feedback, its analytics and action taken report are hosted	<a href="#">View Document</a>

## Criterion 2 - Teaching-learning and Evaluation

### 2.1 Student Enrollment and Profile

#### 2.1.1

##### Enrolment percentage

**Response:** 48.76

##### 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
363	300	230	128	281

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

2022-23	2021-22	2020-21	2019-20	2018-19
534	534	534	534	534

#### 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:** 60

##### 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
278	239	213	123	251

### 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
368	368	368	368	368

File Description	Document
Institutional data in the prescribed format	<a href="#">View Document</a>
Final admission list indicating the category as published by the HEI and endorsed by the competent authority.	<a href="#">View Document</a>
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)	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

## 2.2 Student Teacher Ratio

### 2.2.1

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

**Response:** 9.86

## 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:**

The institution focuses on student centric methods such as experiential learning, participative learning and problem-solving methodologies which are followed to enhance learning experiences. During the course content preparation faculty members implement suitable student centric learning for enhancing student learning process.

***Experiential Learning***

- Project development on latest technologies by student to share and enhance the knowledge of students by providing an opportunity to implement the concepts learned through industrial training.
- Hands on Training are organized for students to learn about emerging technologies and to meet industrial needs.
- Field trips, industrial visits and internships are encouraged for students to learn by industrial way which develops their technical skill.
- Lab course is added with “Content beyond Syllabus” to improve and update the skills in their respective domain.
- Surveying is organized by civil department for students to assess and recording details about land and to learn the skills of surveying in real time.

***Participative learning***

- Students promptly take part in seminar which elevates their inter personal skill.
- Students express their technical views in conferences, symposium, Ideathon and various competition both in inter and intra college activities.
- Research activities such as publishing journal, applying for funding proposal are actively done by students.
- Students actively participate in peer group activities to build the team management skills, decision making skills and problem-solving skills.
- Model making is promoted among second and pre- final year students, and are encouraged to do mini-projects for extra hands-on learning process.
- Club activities are conducted at regular interval of time to foster the participation of students.
- Students are made to go in societal activities such as Swachh bharath, awareness camp etc

***Problem solving methodologies***

- Students are trained by internal and external soft skill trainer to enrich their knowledge to get place in MNCs and core.
- Students are involved in industrial project to solve the problem identified in industry.
- Institute organizes a project contest named NOVA, to exhibit students innovative projects every year and awarded with prizes.
- Surveys are conducted by students to perceive the quantitative results of the problem.
- Students are encouraged to participate in Hackathon to solve the technical and analytical problem
- The potential of problem-solving skills is enriched by reading case study.

***ICT Tools***

- Institution encourages faculty to adopt intensive use of ICT enabled to include online resources for effective teaching learning process.
- The classrooms and laboratories are ICT enabled with projectors installed and the campus is enabled with high speed Wi-Fi connections.
- As a part of effective teaching, faculty uses different audio-visual tools to demonstrate the concepts. Online classes are conducted through various digital platforms like zoom, google meet, Microsoft team and course materials are shared using google classroom.
- The digital library facilitates the students with the electronic resources such as NPTEL and spoken tutorial.
- The employability of the students are promoted through online tests and e-Assignments.

File Description	Document
Upload Additional information	<a href="#">View Document</a>

## 2.4 Teacher Profile and Quality

### 2.4.1

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

**Response:** 81.87

#### 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
114	114	114	114	112

File Description	Document
Sanction letters indicating number of posts sanctioned by the competent authority (including Management sanctioned posts)	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

### 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:** 14.84

**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
14	18	16	12	9

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.	<a href="#">View Document</a>
Institution data in the prescribed format	<a href="#">View Document</a>
Copies of Ph.D./D.Sc / D.Litt./ L.L.D awarded by UGC recognized universities	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

**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:**

College is affiliated to Anna University and it has a transparent and robust evaluation process. The Academic Development Cell (ADC) has framed the rules and guidelines for the assessment and evaluation process to analyze the performance of students for better improvement. The ADC coordinator will direct the department ADC coordinator to verify the test, evaluation process and meeting. As per the direction given by ADC coordinator the Head of the Department holds meeting for the faculty members and directs them to ensure effective implementation of the evaluation process.

Academic calendar is prepared at the beginning of each semester and is made available on the college website and notice-boards of the departments. Thus, students know about the dates of as cycle test, internal test, assignment and model examination, submission of assignments well in advance and hence, can plan accordingly. The dates and schedule of internal assessment of laboratory courses, seminars, summer internship and project are displayed through the notice board to the students well in advance. A squad team has been framed to monitor the smooth conduction of all the assessments. Changes in schedules, patterns, methods if any, are immediately notified to the students through circular which would be posted in notice boards and also through classroom briefing by the concerned course handling



faculty.

- The institution conducts various tests such as cycle test, internal test, assignment and model examination as scheduled in the academic calendar to evaluate the student performance.
- The question papers are prepared by concerned subject faculties before the commencement of every examination as mentioned above.
- The answer scripts are evaluated with help of answer key which is to be verified by course experts or Head of the Department and distributed to the students within two days after the completion of every examination. Evaluation report is submitted to the class advisor by the course handling faculty to prepare result analysis.
- Review meetings are conducted according to the schedule prepared by Academic Development Cell (ADC) coordinator, along with the Head of the department, course handling faculty, class advisor and Principal to take remedial actions for the improvement of low performed students.
- The test performance is communicated to the students and intimated to the parents through letters. Personal guidance and mentoring is given to the poor performing students to improve their performance.
- Internal assessment mark entry schedules are followed as per the Anna university directions.

Class committee meetings are conducted regularly by HOD, class in-charges and mentors to discuss among the students to ensure the completion of serial tests, syllabus, study materials provided, students performance for all course. Student grievances if any are found are resolved then and there for their betterment.

File Description	Document
Upload Additional information	<a href="#">View Document</a>

## 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:**

Each academic department has created a unique vision and mission statement for the institution's organizational framework. This vision and mission statements demonstrates a concentrated effort toward a shared goal and course of action. These declarations include the essential beliefs and goals of each department, have garnered acceptance from the members of the governing council.

The creation of Program Educational Objectives (PEOs), Program Specific Outcomes (PSOs), and Course Outcomes (COs) for each program of the curriculum comprises the foundation of the pedagogical architecture. Every program and course outcome of learning are given a purpose and measurable goals as a result of this diligent effort. The Department Assessment Committee (DAC) and the Programme

Assessment Committee (PAC) committee members review and approve all the outcomes. In addition to specific course objectives that are linked to the program outcomes, each course contains a set of performance criteria that are used to evaluate how effectively the objectives are met.

The incorporation of the Washington Agreement's Graduation Attributes (GA) is essential to an all-encompassing educational framework. These characteristics develop as Programme Outcomes (POs), which are purely made into the Engineering Programme's framework.

The formulation of Programme Specific Outcomes (PSOs) is a strategic endeavor, guided by knowledge gained from a wide range of stakeholders. These outcomes, which cover knowledge, abilities, and attitudes cover a wide range of qualities necessary for an all-encompassing academic experience. Every student will follow a holistic growth trajectory thanks to the sophisticated calibration of the levels of knowledge, skills, and attitudes, which reflects a nuanced grasp of the many dimensions of education.

Students find themselves familiar with Course Outcomes (COs) as they navigate the challenging landscape of courses. These outcomes, which are carefully described for each course, establish the goals and expectations of the learning process. Course instructors are crucial in explaining these results to students because they ensure transparency and promote an environment of informed learning. In addition to facilitating understanding, instructors who thoroughly explain each aim and its effects help students feel more confident when taking university exams.

The deliberate release of authorised results reflects the institution's dedication to accessibility and clarity. These results, which are symbolic of a dynamic learning paradigm, are strongly displayed in a variety of contexts. These results are easily accessible to both students and teachers, from the institution's official website to physical locations like the department head's office, department laboratories, and college halls. This comprehensive approach to transparency demonstrates the institution's dedication to responsibility and attests to its unbreakable commitment to a strong and open educational ecosystem.

The institution's comprehensive method for evaluating educational results includes a diverse approach that includes visionary declarations, exacting programme and course-level objectives, and open communication. It is the result of a determined effort to provide education a clear direction, open communication, and measurable results a synthesis that forms the basis for both academic success and personal development.

File Description	Document
Upload Additional information	<a href="#">View Document</a>

## 2.6.2

*Attainment of POs and COs are evaluated.*

**Explain with evidence in a maximum of 500 words**

**Response:**

In the context of Outcome-Based Education (OBE), the institution demonstrates a meticulous approach to assessing the achievement of Course Outcomes (COs) through a dual-pronged assessment process. The framework for evaluating these outcomes involves two distinct techniques: Direct Assessment and Indirect Assessment, each contributing to a comprehensive understanding of students' progress within the curriculum.

A course's knowledge and abilities are systematically examined as part of direct assessment. This technique primarily hinges on two avenues: internal and external assessments. Internal assessments are intrinsic to the teaching-learning process and involve continuous evaluation through various channels. These encompass internal assessment tests, classroom and laboratory session, seminars, and semester exams. By evaluating students' performance in these diverse scenarios, the institution gains insights into their grasp of course material and their ability to apply it effectively. This approach not only underscores the institution's commitment to holistic learning but also underscores its dedication to equipping students with practical skills and knowledge.

The evaluation of students' direct course accomplishment is a balanced amalgamation of formative and summative assessments. These assessments collectively comprise 90% of the evaluation process, quantifying the tangible outcomes of students' engagement with the curriculum. To ensure a holistic perspective, an additional 10% is contributed by the Course End Survey, which provides a qualitative dimension to the assessment process by capturing students' perspectives on the course's effectiveness.

The creation of benchmark standards for course completion is part of the institution's commitment to transparent and continuous improvement. The institution uses a thorough approach to establish course competency and the level of success, gathering information from university grades from prior years. This not only puts the current evaluation into context, but it also makes sure that students' development is placed within a larger academic environment.

The combined assessment of Programme Outcomes (POs) and Course Outcomes (COs) Attainment is the basis of this evaluation approach. This analysis is accomplished by combining students' performance on university exams, which account for 80% of the evaluation depending on the curriculum, with internal assessments, which account for 20%. This calibrated approach, acknowledging both internal and external measures, reflects the institution's commitment to a comprehensive understanding of students' progress.

It is very important, that the Department Assessment Committee (DAC) will carefully review the results of these evaluations. This committee meets to assess and approve the program-wide objective values for Programme Outcomes (POs) and Programme Specific Outcomes (PSOs). In doing so, the committee makes use of knowledge gained from earlier batches, ensuring a comprehensive assessment that takes into account the program's development and consistency.

In essence, the institution's method for evaluating whether Course Outcomes have been fulfilled is distinguished by a careful balancing of internal and external benchmarks, formative and summative assessments, and qualitative and quantitative insights. The institution's dedication to all-encompassing education, open evaluation, and the development of useful skills and knowledge is reflected in this multidimensional technique.

File Description	Document
Upload Additional information	<a href="#">View Document</a>

**2.6.3****Pass percentage of Students during last five years (excluding backlog students)****Response:** 69.85**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
134	177	328	127	221

**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
140	192	332	296	453

File Description	Document
Institutional data in the prescribed format	<a href="#">View Document</a>
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.	<a href="#">View Document</a>
Annual report of controller of Examinations(COE) highlighting the pass percentage of final year students	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

**2.7 Student Satisfaction Survey****2.7.1**

**Online student satisfaction survey regarding teaching learning process****Response:** 3.84

<b>File Description</b>	<b>Document</b>
Upload database of all students on roll as per data template	<a href="#">View Document</a>

## Criterion 3 - Research, Innovations and Extension

### 3.1 Resource Mobilization for Research

#### 3.1.1

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

**Response:** 0

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

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

#### File Description

#### Document

Upload supporting document

[View Document](#)

Institutional data in the prescribed format

[View Document](#)

### 3.2 Innovation Ecosystem

#### 3.2.1

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

**Response:**

The Institute has created an ecosystem for Research and entrepreneurship activities by taking initiative for creation & dissemination of knowledge. The well structured ecosystem insist to promote Research and Innovation through the R&D cell, enhance entrepreneurial skills through the Entrepreneurship Development Cell (EDC), establish the innovation and ideas though Institutional Innovation Council (IIC).

The institution is recognized as a host institute for development of ideas and utilization of funds under the incubation component of MSME Innovation Scheme. 38 ideas are submitted from women entrepreneurs and others for MSME Idea Hackathon 2023. After evaluation, 21 ideas are forwarded for further process.

R& D Cell encourages the faculty members to participate in FDP, STTP to acquire knowledge. And also

they are motivated to publish their research in reputed journals. Institution provides financial support to faculty members for journal publication, attending Conference and filing patent. Faculty members are applying funding proposals to Government funding agencies like DST, DRDO, AICTE, SERB. Institution encourages faculty members to pursue PhD by availing ON duty for their research work. College has signed MOUs with 33 industries to collaborate with industry related activities like Student Inplant training, Student Internship, industry interaction. Moreover, various programmes related to Intellectual Property Rights (IPR) are conducted to create awareness of writing and filing patents among students and faculty members. Faculty members filed 30 patents and one patent titled “IoT based smart robot to analyzing farm and crops for smart farming” is granted.

The institution has established Entrepreneurship development cell for creating awareness about entrepreneurship among the students. This cell has organized many programs regarding entrepreneurship. Many entrepreneurs are invited to interact with the students for sharing their experience. Through this cell, entrepreneurship awareness camps are organized. DST NIMAT funded Rs.20,000 for organizing the Entrepreneurship camp. Government funds are received for this cell.

The formation of IIC is as per the guidelines of MHRD & AICTE. Ministry of Human Resource development has established Institutions Innovation Council among all Higher Education Institutions. IIC of our institution was established in to inculcate the culture of innovation, entrepreneurship, Intellectual Property Rights and Start – up among the students of various departments. Students are encouraged to present their innovative working project through project exhibition “NOVA” with the help of JSREC Incubation Centre. In this the project exhibition, 120 projects are exhibited by the students of all the departments. Few of the outstanding project ideas are identified for submission to government agencies for research funding.

File Description	Document
Upload Additional information	<a href="#">View Document</a>

### 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:** 87

**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
22	12	14	17	22

File Description	Document
Upload supporting document	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>

### 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: 0.11**

**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
08	06	04	02	0

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

#### 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: 0.25**

**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
15	13	7	8	0

<b>File Description</b>	<b>Document</b>
List of chapter/book along with the links redirecting to the source website	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>
Copy of the Cover page, content page and first page of the publication indicating ISBN number and year of publication for books/chapters	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

**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:**

The Institute organized extension activities to sensitize the students towards social issues for their holistic development. The college organizes various extension activities not only sensitizing the students and also contributes to the community through clubs like National Service Scheme, Red Ribbon Club and Youth Red Cross, Social Responsibility Club. These clubs mould the students to participate in clubs and cell activities, the participation of students helps the students to inculcate discipline in them and to understand their responsibilities towards societies. The National Service Scheme (NSS) unit of the institution conducts camp and service to the nearby village by organizing various activities like etc. Cleaning and plantation in Alaugumalai Murugan Temple, Alaugumalai, Plastic awareness Program, Clean India campaign-rally on waste Segregation awareness program, AD Panchayat, Koduvai.

During Covid, this unit masks distribution to the nearby villages and make awareness of COVID-19, vaccination camp is conducted. The Youth Red Cross Club is actively involved in conducting programmes like Eye Check up Camp and Blood Donation Camp, etc. The Red Ribbon Club organizes various programmes which is benefitted to the society like Health Awareness Programme, Helmet Awareness. The Eco club in association with Vanam foundation is conducting tree plantation in Government Schools and conducted the programme 'Ban on plastic usage'. And the ECO Club organized awareness program on soil conservation which was benefitted for farmers. Social Welfare club collects money from students and faculty members and visits ashrams and donates needed things.

UNNAT BHARAT ABHIYAN (UBA) is functioning in our institution under the Ministry of Human Resource and Development (MHRD). Through this unit our institution has adopted five villages (South Avinashipalayam, North Avinashipalayam, Nilali, Kadaiyur And Pongalur). The Institution received fund from UBA, rupees 50,000 for survey and rural development activities in the villages. Our institution has organized one day camp on the theme “UNNAT BHARAT ABHIYAN” for taking household and village survey to implement the UBA development activities in the selected cluster villages.

The Social Responsibility Club collected donation from the students and faculty members and serves to the orphanage during festival season like Deepavali. In association with the Rotary Club of Coimbatore, the institution distributed thousand computers to various rural schools in and around Tamilnadu. Social Welfare club collects money from students and faculty members and visits ashrams and donates needed things. Entrepreneurship Development cell organizes various program to create awareness among the students about how to become entrepreneurs. The institution is identified as a centre for conducting competitive examinations, Government department promotion exams, CA, TNPSC, JEE, NEET, Bank Examinations, RRB.

File Description	Document
Upload Additional information	<a href="#">View Document</a>

### 3.4.2

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

##### **Response:**

The institution has received Awards and recognitions received for extension activities from government / government recognized bodies. The institution is linking with society by contributing societal activities and organizing outreach programmes. It promotes students volunteerism to involve in society development. Through National Service Scheme, Youth Red Cross and Red Ribbon Club, the institution serves society by organizing events like Blood Donation Camp, Eye Checkup Camp, Cleaning Temple Survey Camp etc. In order to foster comprehensive development and long-term advancement, the College encourages Faculty, Students, and Staff interaction with the Community. The College has been periodically interacted with the Society, especially to make awareness about the scientific knowledge for solving the problems of Farmers, unemployed Youth. During the last Five Academic Years, Faculty Members and Students of the Institution have donated blood to the Society.

During the last five academic years, the institution organized community service activities under different outreach programmes through clubs like National Service Scheme, Youth Red Cross and Red Ribbon Club, Eco Club, Social Responsibility Club. The list of activities like

- Village Survey
- Swatch Bharath
- Health Awareness
- NSS Camp

- Tree Plantation
- Road Safety Awareness
- Covid Vaccination Camp

### **Tree Plantation**

Eco Club organized the event Plantation of tree in nearby villages, Government school with the motto to plant as many saplings and make the green environment. In association with Vaanam Foundation, the Eco club organized Tree Plantation Awareness Rally in the Village Kadayur. And also the club organized Ban Plastics and make aware of the concept of Ban Plastics and importance of Herbal Plants to the Government School Students.

### **Swachh Bharath**

The Swachh Bharat Abhiyan is the most significant cleanliness *campaign* by the Government of *India*. To foster the thought of clean India campaign, the National service Scheme addressed the public regarding Swachh Bharath.

### **Health Awareness Programme**

The National service Scheme organized Dengue awareness programme to the public. In this awareness, they addressed about the importance of health drink “Kabasura kudineer”.

### **NSS Camp**

The NSS organized camp in the nearby villages. Through this, the cleanliness of temple, Cleaning and painting the Government schools are organized.

### **Road Safety Awareness**

In association with Road Transport Department, Tirupur, the NSS organized Helmet awareness program, Road Safety Awareness rally. To create awareness about the rules and regulations of road safety among the public, such type of activities are organized periodically in the institution.

### **Blood Donation Camp**

The YRC/RRC organized Blood donation camp periodically. During the last Five Academic Years, Faculty Members and Students of the Institution have donated blood to the Society.

### **Donation to Ashrams**

The Social Responsibility Club collected fund from the students and faculty members and donated needy things to ashrams like Sanmarga Gurukulam, Keeranur, Donation to Bharthiyar Gurukulam.

<b>File Description</b>	<b>Document</b>
Upload Additional information	<a href="#">View Document</a>

**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:** 30

**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
15	08	00	01	06

File Description	Document
Photographs and any other supporting document of relevance should have proper captions and dates.	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>
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	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

**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:** 13

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

## 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:

Jai Shriram Engineering College has always been persistent in embracing the new trends in Engineering and Technology. JSREC sits on 11.91 acres with build up area 2 lakh sq.ft. The Institution has sufficient infrastructure and physical facilities for students to innovate, impart team spirit and have competence to enable them to face the global challenges and become a contributing members of modern society.

The available facilities are more surplus than the requirement prescribed by the AICTE and Anna University. As the institution is affiliated to Anna University, all the courses and academic programs are designed well by Anna University taking suggestions from the college, industry and other stakeholders. The requirements of various industries, current developments in the fields of science, engineering and technology and the specific needs of the society, decide new courses to be included in the curriculum. There is also a prerequisite in curriculum to offer specialized elective course.

As an integral part of this commitment, our campus boasts state-of-the-art classroom facilities designed to enhance the educational experience for engineering students. These lecture halls are equipped with comfortable seating, LCD Projector, Wifi facility. Innovative teaching methods, including Moodle, Google Classroom, and Microsoft Teams, are employed for effective learning.

The central library is automated, offering a wide range of resources with a collection of 27,903 volumes, online journal subscriptions, and e-resource access. Additionally, there is a digital library with internet-connected systems and departmental libraries for quick reference.

IT infrastructure is excellent with 562 computers on campus contains a high-configured rack server for network connectivity, Desktops like HP, Acer and Zenith with latest processor such as i5 processor, 12th Gen with 16 GB RAM, 512 GB SSD, and 1TB HDD and Campus-wide Wi-Fi access points.

Institution innovation council was developed to convert student's project into new products and Startup area was developed to improve entrepreneurship skills.

The hostel offers a comfortable living environment for both genders, providing healthy food and Wi-Fi connectivity.

As an integral part of the curriculum the college emphasizes the importance of sports providing more

than 2 acres of space. Have numerous outdoor playgrounds and indoor facilities. In addition, the students are divided into different houses and encouraged to participate in different competitions.

A fitness center with modern equipment is accessible along with facilities for yoga practice. The campus observes International Yoga Day annually. A separate meditation hall of 100.04 Sq.m is available for yoga and meditation.

The college encourages the students to participate in various types of extracurricular activities like dancing, Singing, Mime, Mimicry, Oratory, Poetry, Drawing and Essay writing, etc., by the Fine Arts and Humor club with sufficient facilities like keyboard, drums, piano and flute.

The campus offers additional facilities such as drinking water on each floor, barrier-free mobility features, a dispensary, college bus transportation, 24x7 security, vehicle parking, fire safety equipment, and rainwater harvesting and sewage treatment.

File Description	Document
Upload Additional information	<a href="#">View Document</a>

#### 4.1.2

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

**Response:** 20.45

**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
38.75	112.75	25.91	23.54	3.97

File Description	Document
Institutional data in the prescribed format	<a href="#">View Document</a>
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)	<a href="#">View Document</a>

## 4.2 Library as a Learning Resource

#### 4.2.1

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

#### **Response:**

Library is automated using Campes I-Lib Software (2009), Integrated Library Management System.

#### **Library Automation:**

- The central Library had been automated using Campes I-Lib Software (College Version 5.8.7). The automation is useful to improve and streamline the library operations in a more effective and efficient manner.
- There is an Open Access Catalog for students and staff.
- Web OPAC (Online Public Access Catalog) facility is made available through Campes I-Lib Software to know the bibliographical details about the collection. As it is a Web OPAC, user from any location can search the library collection by giving Title, Author, and Publication
- New arrivals of books and journals are displayed on separate stands and racks. Stock maintenance is done effectively using Campes I-Lib software.

#### **Scanning Technology**

Library is using systems application and product software for library automation and has implemented bar- coded Scanning. All the books are bar coded and bar code laser scanners are used in circulation counter for book transaction. The searching, systematic shelving and circulation of books and journals are made easier by bar code technology after entering the details recording the books / journals in the data base, bar code are printed on the adhesive labels according to the accession number of the book / journals. User id contain the bar coded library reference number of the staff and students.

#### **Circulation**

Major functions of the circulation module: Membership, Transaction, Inter-library loan, Overdue charges, Reminder, Search status, Maintenance of the items such as binding, lost, replace, missing, withdrawal, etc. and Report generation based on the various requirements.

#### **Electronic Resource Management package for e-journals**

- The college library has various institutional memberships for e resources and e journals. The institute has a membership for National digital library of India (NDLI), NPTEL active local chapter and digital library with 50 mbps leased line connected to computer in the library. The library has NPTEL video Courses, SWAYAM program and other e -learning resources initiated by government of India. The library can access via <https://www.nsit.edu.in/nsit-Library.aspx>



- We have received membership from Springer. In that we have articles - 8,649,902 Chapters - 5,246,206, conference papers - 1,448,431 reference work entries- 727,002 protocols - 73,376 videos – 445. By use the follow link <https://www.springer.com>

### Digital Library

- A well-equipped Digital Library with 24 nodes having Internet connectivity is available in the Central Library for access to E-Resources.
- As the access facility to e-journals is multi-user and IP address-based, students can access the E Resources from anywhere in the campus.
- The e-Resources of the Central Library can be accessed remotely by using the IP given below: <http://172.16.100.100>

### Usage of Library

We can generate and print more numbers of reports like book issued and return reports categorized by accession number, author, subject, department, publisher and title. Monthly reports and yearly report facility are also available in the library management system. The module records an average of 350 and above users per day.

File Description	Document
Upload Additional information	<a href="#">View Document</a>

## 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:**

#### System Resources

The institute provides excellent IT facilities to the faculty members and students for various programs with ICT – enabled classrooms. A total number of **562 computers** are available in the campus with LAN facilities for students use. There are **2 servers** to provide network connectivity in the campus. Desktops are available from various brands like HP, Acer and Zenith with latest processor capacity such as i5 processor, 12th Gen with 16 GB RAM, 512 GB SSD, and 1TB HDD. 7 high configured laptops are provided for faculty members usage. Both faculty members and students are provided with access to

desktop systems which allows them to make use of systems for academic projects, research and learning.

### **Wi-Fi and Internet**

The institute has Internet and Wi-Fi facilities for providing continuous and uninterrupted internet connectivity to students and faculty members. Internet service is provided by SP internet technologies Pvt Ltd and BSNL at a speed of **310 Mbps**. The entire campus including hostel block has Wi-Fi access points. There are **11** Wi-Fi access point (1-Hostel,10-Campus) with a frequency of 2.4 GHZ / 5 GHZ and bandwidth of 200 Mbps. IP and MAC authenticated ID is given to students and faculty members for Wi-Fi access and internet inside the campus.

### **E-Services**

Institute has cloud based Educational **ERP** system for automation of faculty-student lifecycle. College ERP software comprises nearly all activities like student registration, fees collection, student attendance, homework, notes etc., under one application. Parents can access this software to monitor students' performance.

Besides ERP, Institute has **Learning Management System (LMS)** for students to improve their skills. **Moodle** server is used to train and assess students for placement related activities. Training programs are periodically organized to upgrade the programming skills of faculty members and students. Telecommunication apps like Google Meet, Zoom, MS teams are utilized to organize Webinars, alumni talks.

### **UPS facilities**

Online UPS with 180 minutes backup facility for all lab is available in the institute. Warrior power systems with a capacity of **240 kVA** are used for this purpose.

### **Software Tools**

Linux, windows 7, windows 10 operating systems are used in desktops. Office Automation packages like MS Office and Antivirus have been purchased by the college and updated periodically. Licensed versions of Oracle, IBM, ODLL, MS baseline have been used in laboratories. Many open-source software's have been installed and used in institute.

### **Updating IT facilities**

Based on the gradual increase in the student's strength, the numbers of systems in all the laboratories are upgraded. As per AICTE norms, the student to the computer ratio is maintained as **1.75:1**. Based on the requirements, computer systems and its peripheral devices are purchased. To carry out research and project activities, highly configured systems are provided in the laboratories. ICT enabled smart classes are available for all departments.

### **CCTV surveillance**

College campus is equipped with surveillance of CCTV camera network. It would also make it much easier to constantly monitor the everyday activities of the students, employees, workers, and members of

the public inside the campus.

File Description	Document
Upload Additional information	<a href="#">View Document</a>

#### 4.3.2

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

**Response:** 1.75

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

Response: 562

File Description	Document
Purchased Bills/Copies highlighting the number of computers purchased	<a href="#">View Document</a>
Extracts stock register/ highlighting the computers issued to respective departments for student's usage.	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

## 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:** 2.24

##### 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
7.26	3.25	2.33	6.34	3.25

<b>File Description</b>	<b>Document</b>
Institutional data in the prescribed format	<a href="#">View Document</a>
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)	<a href="#">View Document</a>

## 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:** 79.71

**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
607	726	738	764	996

File Description	Document
Year-wise list of beneficiary students in each scheme duly signed by the competent authority.	<a href="#">View Document</a>
Upload Sanction letter of scholarship and free ships (along with English translated version if it is in regional language).	<a href="#">View Document</a>
Upload policy document of the HEI for award of scholarship and freeships.	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

#### 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)	<a href="#">View Document</a>
Report with photographs on ICT/computing skills enhancement programs	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

### 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:** 45.73

**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
679	572	630	139	178

File Description	Document
Upload supporting document	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>

### 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	<a href="#">View Document</a>
Proof related to Mechanisms for submission of online/offline students' grievances	<a href="#">View Document</a>
Proof for Implementation of guidelines of statutory/regulatory bodies	<a href="#">View Document</a>
Details of statutory/regulatory Committees (to be notified in institutional website also)	<a href="#">View Document</a>
Annual report of the committee motioning the activities and number of grievances redressed to prove timely redressal of the grievances	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

## 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:** 88.28

**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
111	160	253	121	221

**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
134	177	328	121	221

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)	<a href="#">View Document</a>
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)	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

### 5.2.2

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

**Response:** 6.09

**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
3	0	1	0	3

File Description	Document
List of students qualified year wise under each category and links to Qualifying Certificates of the students taking the examination	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>

## 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
03	01	0	02	04

File Description	Document
Upload supporting document	<a href="#">View Document</a>
list and links to e-copies of award letters and certificates	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>

### 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: 27.2**

**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
45	45	35	06	05

File Description	Document
Upload supporting document	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>

## 5.4 Alumni Engagement

### 5.4.1

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

**Response:**

Jai Shriram Alumni Association has been registered under the Tamilnadu Societies Registration Act 1975 in the year 2021. Jai Shriram Alumni association comprises of President, Vice President, Secretary, Joint Secretary, Treasurer, Joint Treasures and Executive Members.

The main objectives of the alumni association is to

- To promote, encourage the interests of association and Members
- To maintain the updated information of all alumni
- To maintain cordial relation among the institution and alumni
- To dissemination and provide information regarding their alumni, faculty members, students and institutional related activities.
- To provide guidance to their juniors towards career development and and higher studies.
- To involve all alumni in the overall development of the college and the society.
- To provide scholarship for the needy poor students from the alumni association fund.
- To utilize the experiences of old students of the college for the benefit and progress of the present students.

The alumni association of the college conducts the alumni meet annually. Based on the alumni feedback, various programs are organized to meet the current scenario of industrial requirement. Alumni are invited for various programs through all the departments at regular intervals. Alumni presents seminar, workshops and lectures for the benefit of students. Alumni provide financial support to the needy students. They provide career guidance program and conduct mock interviews for their juniors. They support career opportunities and extend their help in providing placement training and industry training. Alumni extend their support in all aspects for the institutional development. Through alumni support, many students got placement and they provide guidance for becoming entrepreneurs. To strengthen the alumni association, Alumni Chennai Chapter is incepted on 20.05.2023.

The following actions were carried out with the assistance of Alumni.

**Curriculum Enrichment:** Alumni are engaged in the identification of curricular gaps and the development of value-added course modules

**Interactive Sessions:** The alumni association aids in organizing interactive sessions to excite current students about employment and study abroad options. They express their views on social networks.

**Industry connects:** Alumni aid in the formation of MOUs with industries. Alumni who are entrepreneurs arrange industrial tours for students and offer advice on how to establish a business, thereby transforming them into job creators. The alumni provide assistance for student internships.

**Research and consultancy:** To encourage college students and association members to conduct research and consulting work in sectors such as engineering, automation, industrialization, etc. Alumni support the departments by directing entrepreneurs to conduct consulting work in several technical disciplines.

**Mentorship:** Alumni can play an active role in volunteer activities such as mentoring students in their respective fields of expertise. To exploit the rich experiences of former college students for the benefit of the institution. To aid students in finding suitable employment.

**Placements / References:** A college's alumni network is one of the most significant sources of placement opportunities for students. Alumni can assist students with company referrals and placement within their respective enterprises.

**Administration:** Alumni are members of the IQAC and contribute feedback to impart a quality system that is adaptable to current industry trends and needs.

File Description	Document
Upload Additional information	<a href="#">View Document</a>

## 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:

Jai Shriram Engineering College, established in the year 2009, has a vision and mission to inculcate the innovative practices to provide the best-in-class education to the students Community. The institute follows a decentralized participatory way of governance for achieving its motto. The institute's administrative setups are planned and executed in the governing council. Our institution has a well-established administration which follows the guidance of governing council.

The participative management of the institution effectively works towards the achievement of vision. The system and process of the Institution focus to imbibe the academic excellence. The periodical meetings of the Governing Council are conducted to monitor the progress of the institution activities. The institution has a perspective plan for the conducive growth of the institution and its stakeholders. Modernization of the existing facilities, implementation of new ventures for Centre of excellence and R&D, expansion of infrastructure by means of laboratories, library resources, class rooms, meeting halls and sporting facilities are the usual criteria in the annual plan of the institution. The Principal conducts regular meetings with the faculty, students and parents. Faculty meetings with the Head of the Department play a pivotal role as the collective suggestions are well analyzed later in the Head of the Department meetings with the Principal.

Our institution also in line with NEP policies to initiate holistic multidisciplinary approach, Credit based courses, Digitalization of Teaching-Learning Process and Skill Development. We have conducted a three days face to face AICTE FDP on Universal Human Values. All faculty members have participated and benefited.

The Institution practices the culture of decentralization and participative management by executing various committees with assigned roles and responsibilities to make the process in a successful manner. The Management, The Principal, Heads of Departments and senior faculty members and faculty representatives are involved in all activities and they are in part of decision-making at their respective levels. Institute endeavors best substantial independence to the Institutions in all area of decision-making process through decentralization and participative management. The periodic meetings are conducted by the Head of the Institution to monitor, review the effective functioning of institutional practices.

File Description	Document
Upload Additional information	<a href="#">View Document</a>

## 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:

Institute practices strategic planning to achieve targets in different academic dimensions. It also analyses the current institutional and higher education scenario, foresees the future and prepares perspective plans.

The Institute has a well-defined organizational structure and accordingly the administrative decisions are carried out. The Organogram shows the hierarchy of academics and administration.

- The Principal steers the academic and administrative activities of the college.
- The heads of the various departments work towards the smooth and efficient functioning of the respective departments by assigning various tasks to different members of faculty.
- The Principal serves as the Chief Superintendent of examinations for the smooth conduct of examination.
- The coordinator of the exam cell is assisted by a team of members for the successful conduct of examinations.
- The various statutory and non-statutory committees take care of the academic and administrative matters. The committees are constituted as per the guidelines of the AICTE and Anna University.
- The Administrative Officer is responsible for the administrative functions executed by HR, clerical, accounts, transport, hostel & Infra structural development and maintenance.
- The respective department functions under the guidance of their head of department.
- The functions of the college are meticulously planned perfectly coordinated and executed by both the teaching and non- teaching members of the college as per the guideline of principal.

File Description	Document
Upload Additional information	<a href="#">View Document</a>
Institutional perspective Plan and deployment documents on the website	<a href="#">View Document</a>

### 6.2.2

*Institution implements e-governance in its operations*

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

**Response:** A. All of the above

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

### 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:**

A good performance management system works towards the improvement of the overall organizational performance of teams and individuals for ensuring the achievements of the overall organizational mission and vision. An effective performance appraisal system plays a crucial role in managing the organization in an efficient manner. The management plays an active role in the performance appraisal of the faculty members. Faculty Self-appraisal form is collected from each faculty member in which they show their innovations, research and steps taken towards their self-renewal to cope up with changes in technology and develop expertise for effective implementation of curriculum. The self appraisal form has several sections like Teaching / Learning Activities, Co-curricular, Extension, Professional Development and Department/ Institution related activities, Research /Publications and other academic contributions. Student's feedback is taken and analyzed every year and the necessary steps initiated. Based on the appraisal submitted by the faculty members appropriate actions are taken. Best faculty members are awarded and those who need improvement are counsel and guided appropriately

Jai Shriram Engineering College is established under Senthil Velavan Charitable Trust; The Institute has set up well-established principles, regulations, complaint redressal components that are open at Information Desk. Governance structure of the institution conveys total transparency at various levels in the organization. Innumerable welfare measures are executed to assist the staff.

- Group Insurance Policy
- Employee's Provident Fund
- Free Transport facility for teaching and non-teaching staff
- Marriage leave along with gift is provided for faculty/staff wedding

- Various leaves such as vacation leave, compensation leave and maternity leave are available for teaching and non-teaching staff
- On-Duty for research scholars
- The Institution appreciates faculty on acquiring higher qualifications and special achievements
- Financial support for publication/FDP/Workshops
- Free hostel lodging facilities for faculty members and Subsidiary Food Policy
- Child Scholarship
- Annual Gift for teaching and non teaching
- Advance salary option available for needy faculties
- Faculty Recreation Club

Institute provides avenues for the faculty career enhancement by organizing the faculty development programmes in the thrust areas and also creates awareness programmes for research & publications and patent rights. Faculty members are encouraged to attend various training like NPTEL/SWAYAM/MOOC/Course era and other platforms to enrich their domain knowledge. To cater this culture institute provides different faculty welfare policies.

File Description	Document
Upload Additional information	<a href="#">View Document</a>

### 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:** 62.8

**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
87	82	65	20	38

File Description	Document
Policy document on providing financial support to teachers	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>
Copy of letter/s indicating financial assistance to teachers and list of teachers receiving financial support year-wise under each head.	<a href="#">View Document</a>
Audited statement of account highlighting the financial support to teachers to attend conferences / workshop s and towards membership fee for professional bodies	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

### 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:** 60.53

**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
99	100	93	40	13

**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	20	22	20	18



File Description	Document
Refresher course/Faculty Orientation or other programmes as per UGC/AICTE stipulated periods, as participated by teachers year-wise.	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>
Copy of the certificates of the program attended by teachers.	<a href="#">View Document</a>
Annual reports highlighting the programmes undertaken by the teachers	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

## 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:

Jai Shriram Engineering College run by Senthil Velavan Charitable Trust, Koduvai. External audits are conducted regularly in the Institution. Institutional accounts team is responsible for monitoring and Control of financial transaction in the institution. They monitors the process comprising of Voucher, Day to Day expenditure settlement, Confirmation balance of Assets & Liabilities and Statutory payment like EPF, TDS and other local taxes and Prompt payment of Bank re-payables. Every three months once institutional accounts team verify all the documents and then documents are submitted to auditor for external audit. Institutional accounts team look after the queries and follows the recommendations given by the auditor.

#### External Audit:

Every three months once accounts team submits Bank and Cash Vouchers, Purchase orders with Bills, Bank statements and other statutory related documents to the auditor. Auditor review the relevant documents and artifacts, identifies exceptions and recommendation, forward the same to the Institution accounts team. Follow up actions have been implemented to the address the findings identified. At the end of financial year, the auditor prepares the annual audit report with unbiased, independent review of systems and process. The report reflects the realistic view of the financial operation activities of the Institution.

Jai Shriram Engineering College is a self-financed institution, where the funds are generated through the fees paid by the students. Additional funding is generated with the support of NGOs, Industries and Government funding for various funding schemes. The institute has a well-defined mechanism to

monitor effective and efficient utilization of available financial resources for the development of the academic processes and infrastructure development. Institutional budget is prepared under various heads for every year considering both recurring and non-recurring expenditures. Accordingly, all the administrative and academic heads are requested to submit the budget required for the subsequent financial year. Along with this all coordinators of different cells viz., R& D Cell, Exam Cell, T&P Cell, NSS Cell, etc. are instructed to submit their budget to the principal. All the major financial decisions are taken by the Principal and Administrative officer with the approval of the Management. Reimbursements are also provided in special unplanned requirements with the approval of Principal. All the major financial transactions are analyzed and verified under following sections:

Research & Development

Training & Placement

Software & Internet charges

Library Books / Journals

Infrastructure Development & Maintenance

Membership / AMC / Licenses

Equipments & Consumables

File Description	Document
Upload Additional information	<a href="#">View Document</a>

## 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:

The Internal Quality Assurance Cell (IQAC) was started in the year 2016 to monitor, maintain and enhance the quality of education. An IQAC committee is formed and approved by the governing council to take care of Quality assurance strategies and processes. The IQAC ensures the quality of teaching-learning practices through stringent initiatives such as Faculty development Programs, Workshops, Conferences, Evaluation System, Mentoring and Industrial Training for both Students and faculty members. The IQAC conducts Academic and Administrative Audit to evaluate the quality of the institute progress. The frequency of IQAC Meeting is twice in a semester.

Institute has developed a well-planned and robust teaching learning process which is continuously improved through implementing the suggestions and guidelines as provided by IQAC. Institute reviews its teaching-learning process, structures and methodologies of operations and learning outcomes once in a semester through IQAC meeting. In addition, teaching-learning process is reviewed in the meetings of Academic Development Cell, Department Academic Committee (DAC) meetings, Programme Assessment Committee (PAC), Faculty interaction meetings there by appropriate measures are taken at regular intervals of time.

**The Goals of IQAC are:**

- The primary goals of IQAC cell is to develop a quality maintenance system for planning, executing, monitoring and continuously improving the performance characteristics and outcome of the process being utilized inside the campus.
- To support the institution in ensuring the quality being inherited in teaching- learning and student support process.

**The roles and responsibilities of the IQAC are:**

1. Quality policy formation
2. Creating and monitoring the conducive learner centric environment
3. Organizing the faculty enhancement programs
4. Preparation and submission of Annual Quality Assurance Report (AQAR)
5. Documentation of the various quality improvement activities
6. Acting as a nodal agency of the institution for quality-related activities
7. Dissemination of information on the various quality parameters of higher education
8. Arrangement for feedback responses from the students, alumni and other stakeholders on quality related process of the institution

**Strategies of IQAC**

- Timely, efficient and progressive performance of academic, administrative and financial tasks.
- The relevant and quality of academic and research programmes.
- Equitable access to and affordability of academic programmes for various section of society
- Optimization and integration of modern methods of teaching and learning
- The creditability of evaluation procedures
- The adequacy, maintenance and proper allocation of support structure and services
- Research sharing and networking with other institution in India and abroad.

Faculty members develop lesson plan aligned with course outcomes, which focused towards skill development of students (cognitive, sociological, and emotional). Syllabus completion as per lesson plan is recorded and reviewed by Academic Development Cell with details of the lesson plans specific to the topic, methodology adopted, allocated hours to handle particular topic by course handling faculty and reviewed by the Head of the department. Group Discussions, Role

play, Demonstration, Debates, students assessment, Internal Tests are conducted and recorded in logbook after the completion of every activity and audited periodically (15 days) by respective department Head's and Dean's. Bloom's Taxonomy integrates course activities and assessments that support student attainment of these outcomes.

File Description	Document
Upload Additional information	<a href="#">View Document</a>

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

File Description	Document
Quality audit reports/certificate as applicable and valid for the assessment period.	<a href="#">View Document</a>
NIRF report, AAA report and details on follow up actions	<a href="#">View Document</a>
List of Collaborative quality initiatives with other institution(s) along with brochures and geo-tagged photos with caption and date.	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>
Link to Minute of IQAC meetings, hosted on HEI website	<a href="#">View Document</a>

## 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:**

Gender equity is one of the priority of the college to give equal opportunity both boys and girls students in all the curricular and extra- curricular activities. The gender equity programs are bestowed the student's community to be aware of their rights, opportunities and making them strong both mentally and physically.

**The Major efforts made by the college to promote gender equity are highlighted below:**

The annual gender equity and sensitization action plan is prepared in advance that includes curricular and extra-curricular initiatives which are planned and executed.

College is always giving equal importance in recruitment process and conducting events and activities, with equity concept. Female faculty members are actively involved in coordinating the women cultural activities and counseling the girls through effective mentor mentee system and create confidence among the students to participate sports, cultural and other activities.

Besides their academics students are encouraged to participate all the social activities headed by various clubs such as YRC, SRC, NSS, and Energy club which strengthen their helping tendency and showing best contribution for the welfarement of the nation.

#### **I. Infrastructure Facilities for women on campus:**

##### **Safety & Security:**

Safety and security of students, particularly for female students, college has adequate security personnel who are vigilant 24x7 in the campus. Identity cards are mandated for everyone on campus. Security is provided at the entrance to ensure all the visitors adhere to the entry procedure. The entire campus is under the surveillance of CCTV camera which records the movements of everyone and thus ensures safety of girl students within the campus. Adequate provision is made with first aid box for the employees.

##### **Common Rooms:**

To provide healthy environment a separate common room with all the facilities are available for girls

students .If the students are suffered by health issues, college has the medical facility inside the campus and 24\*7 ambulance facilities also available for the emergency purpose.

### **Counseling:**

College has been facilitated with mentoring system where students are mentored periodically by their respective faculty mentors. Personalized and Carrier counseling supports them to achieve the pinnacle of success in their future endeavors.

### **Internal Complaints Committee**

The institute has Internal Complaints Committee which resolves any issues related to girls students and women inside the campus. Suggestion and complaint boxes are also placed and grievances, if any, are addressed.

<b>File Description</b>	<b>Document</b>
Upload Additional information	<a href="#">View Document</a>

### **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

<b>File Description</b>	<b>Document</b>
Policy document on the green campus/plastic free campus.	<a href="#">View Document</a>
Geo-tagged photographs/videos of the facilities.	<a href="#">View Document</a>
Circulars and report of activities for the implementation of the initiatives document	<a href="#">View Document</a>
Bills for the purchase of equipment's for the facilities created under this metric	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

## 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:** A. All of the above

<b>File Description</b>	<b>Document</b>
Report on Environmental Promotional activities conducted beyond the campus with geo tagged photographs with caption and date	<a href="#">View Document</a>
Policy document on environment and energy usage Certificate from the auditing agency	<a href="#">View Document</a>
Green audit/environmental audit report from recognized bodies	<a href="#">View Document</a>
Certificates of the awards received from recognized agency (if any).	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

## 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:**

Students are made aware about the code of ethics, human values, rights, duties and responsibilities as a citizen of India during induction as well as other programmes throughout year. As responsible citizens of the country the students are motivated to take part in various activities of the college such as blood donation camps, free eye camp, voter's awareness rally, road safety, dengue awareness program, plantation of trees and energy revolution movement for change in an effective manner.

Singing of national anthem in the campus every day so as to bring a feeling of patriotism among all is practiced. The students also being the responsible citizens take many community services and provide services to mankind and society. Every year through Social reasonability club, students are visiting the orphanages in Tirupur district in order to help the poor and needy people. Based on the basic

requirements of the people, we are providing enough support with the help of our management and students volunteers and also these kinds of activities can improve the helping tendency among the student community with the moral ethos.

Every year Republic day is celebrated on 26th Jan with joy and patriotic fervor with various activities to highlight the importance of Indian Constitution as well as Independence day is also celebrated on 15th Aug, to pay tribute to the freedom fighters of our nation.

Our constitution provides for human dignity, equality, social justice, human rights and freedom, Rule of law, equity and respect and superiority in the Constitution of India. In this regard, college provides equal opportunity to both the genders in all the roles and responsibilities.

Swachh Bharat Abhiyan has also been an important initiative taken up by the college where we have organized an awareness rally to insist the importance of clean and green environment. The college has also conducted a Voter awareness programme for all the students and it is sensitized about their constitutional powers of voting.

Environmental science constitutes the part of curricular teaching and evaluation to sensitize the students on the conservation of the ecosystem and environment. Students are also sensitized to adapt green practices, conservation of natural resources, alternative source of renewable energy. The special lectures also focus on enlightening the students about their rights and duties being the responsible citizens of the country.

The students have taken up many cleanliness drives both inside and nearby villages which is a responsibility of every citizen. The students have also taken up Plantation drives to provide a clean and green environment. Each department organizes many skill enhancement programs to strengthen linguistic culture among the students. JSREC provides utmost care to inculcate all the moral values to the young minds to become a responsible citizen of India.

File Description	Document
Upload Additional information	<a href="#">View Document</a>

## 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:**

**Best practices -1**

**1. Title of the Practice: Technological Revolution Through Students Real -Time Projects**



## 2. Objectives of the Practice:

- **Industry Collaboration:** Providing ample opportunities for students to develop strong relationships with reputed industries to facilitate internships, projects, and knowledge exchange.
- **Interdisciplinary Collaboration:** To encourage collaboration between engineering departments and other disciplines to create well-rounded projects besides students are facilitated in cross-disciplinary workshops and seminar.

## 3. The Context

There is an increased demand of transformation of R&D from Lab-to-Land, which is basically research adopted by the college through new startups successfully and creates new products with the industrial support. Further, this Lab-to-Land transformation is only possible through the industries with the leading-edge technologies, where our students are grabbing the opportunity to overcome the challenges created through R&D towards higher value addition and resolving existing usage problems.

## 4. The Practice

- **Project Expo:** Every year college organizes project expo “NOVA” a mega event to explore the students innovative ideas through research based Mini and Main projects. More than 300 hundred different projects can expect from all the domains.
- **JSR Techno Innovation:** It is one of the best start ups of EEE department to perform “Panel Board Assembly and PLC programming” in the college premises for the benefit of JSREC students and faculty members to enrich hands on practices, entrepreneurial skills and employable opportunities.

## 5. Evidence of Success:

### I. Real Time Projects:

- A project on “**Traditional Indian Motifs**” done by students of JSREC, portrays State wise motif developed and printed on cloth received International level wonder book of record is a tremendous achievement of our students.
- The project “**Royale E- Scooter**” has done by students of JSREC, is an eco -friendly and easy ride from one place to another place.
- The project “**Go – Kart**” race track is laid out in many tricky patterns by students of JSREC, it is a safer option for beginners who are interested in racing.
- The project on “**Bluetooth Control Serving Robot with Voice Assistance DHIA**” has done by ECE students and it was successfully demonstrated in releasing of NOVA proceedings.
- “**QR Code Enabled Packaging System**” done by CSE students and this project is deployed to the industrial purpose.

### II. Funding and Resource Management:

- Still now 11 students innovative research projects received funding from TNSCST and AICTE government grants and 10 students got Non- Governmental funding by private sectors are more useful to find out environmental and societal need based solutions.

## 6. Problems Encountered and Resources Required:

- Striking a balance between Research and Academia.
- Identifying and retaining the research team Expertise in upcoming technologies, on a continuous basis.

### Best practices -2

#### 1. Title of the Practice: Students Skill Enhancement Programme

#### 2. Objectives of the Practice:

- Bridge the gap between theoretical knowledge and practical application.
- Equip students with industry-relevant skills to make them job-ready.
- Enhance problem-solving and critical thinking abilities.

#### 3. The Context:

- In this process of skill enhancement programs address the evolving needs of the engineering industry and provide students with practical skills, knowledge, and experiences that complement their academic education. Furthermore, these programs aim to ensure that the students are better prepared for the real-world challenges and expectations of their future careers, which often go beyond the theoretical knowledge gained in traditional coursework.

#### 4. The Practice

- **Value added courses:** The college provides domain based value added courses such as “ **Tekla Software, Revit- Architecture, Auto CAD, Solid Works, Mat Lab, Embedded System & IOT, Industrial Pattern Engineering, Fashion CAD, Daas Frame work** etc. fosters a culture of continuous learning and self-improvement, which is essential in the ever-evolving field of engineering. These courses can cover topics and technologies that are not fully integrated into the regular curriculum, ensuring that students stay up- to- date with the latest industry trends.
- **Technological Resources:** Students are always encouraging to utilize modern technology, online platforms like **NPTEL and e-learning** tools for flexible learning.
- **Career Guidance:** Training and placement cell is actively functioning to provide counseling and support for both core and IT based placement, resume building and interview preparation and also regularly evaluate students’ progress and gather to refine the program.
- **Networking opportunities:** Each department organizes various types of events, workshops, seminars at the Inter- Department; inter Collegiate, state, National and International levels to connect students with professionals and peers.

#### 5. Evidence of Success

**Students Achievements:**

- Student from the mechanical department secured 41.64% in **GATE** and got six week internship with stipend sponsored by **IIT, Dharwad** and **SERB**. This make a huge mark in his career and it paves a way for a good future.
- In NPTEL Exam 29 students certified with Elite, 8 students certified with Silver 5 students certified with Gold and 4 students got course topper is a great achievement of our students.
- Around 512 students participated in NOVA project. It develops critical thinking and problem solving skills. 3 Students received “**Best Performer Award**”. One of the big milestones is that 5 students’ name got registered in **International Book of Record**. Around 60 students participated in Texathon, Hackathon and Texon and received the cash prize.
- Institution’s Innovation Council (IIC) at JSREC received **3 Star Ranking** by Ministry of Education, Govt.of India to promote Innovation and Start-up in campus during the IIC calendar year 2021-22.

**Industry Partnerships:**

- **Barani Technology Training Centre (BTTC) & JSR Techno Innovation** promoting short - term courses for core engineering and advanced technology helps to keep strong partnership and collaboration within industry indicate that the program is meeting the needs of the job market.
- In association with **BTTC**, Faculty and Students of JSREC are engaged with many industrial projects such as the project on “**Hydraulic Pressing Machine Processing Animation with Robot ARM**” done for **Panasonic**, appreciated with cash prize.
- Another major project “**Hydraulic Pressing Machine Processing Animation with Pneumatic Pick and Place Arm Movement for Butterfly Cookers**” done for **BHIPL**, appreciated with cash prize.

**6. Problems Encountered & Resources Required:**

- Ensuring active student participation on the motivation can be a challenge.
- Ensuring that students have access to technical support for equipment and software is crucial.

File Description	Document
Any other relevant information	<a href="#">View Document</a>
Best practices as hosted on the Institutional website	<a href="#">View Document</a>

**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:**

Jai Shriram Engineering College is promoted by Shenthil Velevan Charitable Trust with a motive of promoting higher education to the rural community students. Institute has a strong owned Industry as its trust members have 4 major manufacturing divisions in Coimbatore with international reputation. College is renowned for its Industry Academia Interaction. The vision and priority of Jai Shriram Engineering College gives utmost importance for the students, their education, training, skill development and successful career.

Jai Shriram Engineering College has earned the reputation of being an “Industry owned Institute”. It promotes strong interaction and collaboration with the industry for all the domains being offered, which assist the students in learning beyond the syllabus. MoU’s have been signed with the industries to uplift the students’ relationship with the industries to a higher level which afford opportunities for the students to endure Industrial training, In-plant training and Internship. One of the proudest and biggest achievements of our industry is that they have signed a MoU for Deen Dayal Upadhyaya Grameen Kaushalya Yojana (DDU-GKY), MoRD, Government of India.

Having acclaimed as an Industry Owned Institute, JSREC has grabbed the attention of the outside industries and the education fraternity at national and international level which focuses on industrial training inside the college premises. The Institute provides more space for the students to develop their innovative skills by which their hard work gets visible in their projects. Our institute has established JSR Techno Innovation, Centre of Excellence Laboratory, Barani Technological Training Centre, IIPC and Teaching Learning Centre inside the college premises. Research oriented competitiveness are developed through Innovative projects designed by the students. Our students are well updated with the latest technological and management developments and they can easily enhance collaborative industrial research opportunities.

Barani Technology Training Centre (BTTC) & JSR Techno Innovation promoting short - term courses for core engineering and advanced technology helps to keep strong partnership and collaboration within industry indicate that the program is meeting the needs of the job market. Further, high levels of student’s satisfaction, as measured through student’s surveys and feedback form, show that students find the program more valuable and improved graduation rates can also be a sign of program success. In association with BTTC, Faculty and Students of JSREC are engaged with many industrial projects such as the project on “Hydraulic Pressing Machine Processing Animation with Robot ARM” done for Panasonic, appreciated with cash prize. Another major project “Hydraulic Pressing Machine Processing Animation with Pneumatic Pick and Place Arm Movement for Butterfly Cookers” done for BHIPL, appreciated with cash prize. One more project “Hydraulic Pressing Machine Processing Animation for Saint Gobain Clutch Manufacturing Plant Layout” done for Saint Gobain, appreciated with cash prize.

JSREC students undergo internships, industrial training through Technological Training Centre. They also undertake hands - on industrial training in various industries. Skill based training courses are certified by Government agencies. Our institution has sturdy industry institute collaboration. Experts from industry are invited to share their insights with the students on latest technologies like AI, IOT, Cyber Security, and Block Chain. Also, various training programmes are organized for the students like Value Added Courses and Certificate courses. Many events and competitions are conducted for the students every year to bring out their innovative ideas through Project Expo (NOVA) and students underwent the real time projects like Train accident prevention system, Password based circuit breaker for electrical line man safety, Project on ERP for packaging department etc.

JSREC students made projects for panasonic, Butterfly Cookers, saint gobain clutch manufacturing plant layout etc. through Barani Hydraulics India pvt ltd. Control Panel assembly was carried out by the students and faculty. They were appreciated and also received cash prizes for their projects. Our mechanical students made an E-Vehicle, “**Royal EV**” and it has become one of the prides of our institute. Trained students of JSREC are placed in leading corporate and MNCs through Barani Technological Training Centre.

Students and Faculty undertake training in industries to convert theoretical learning into practical experience. Students can equip themselves with the necessary skills-set required to perform a particular job which helps to build their self-confidence and to acquire leadership skills. Industrial training provides a platform for the students to become Industry ready graduates. Many Patents filed by the faculty and students are sanctioned. Research development programmes are organized for the faculty to motivate them to publish research papers in reputed journals and to undertake sponsored research in industries and organizations.

File Description	Document
Any other relevant information	<a href="#">View Document</a>
Appropriate web in the Institutional website	<a href="#">View Document</a>

## 5. CONCLUSION

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### Additional Information :

The institution is a Self-financing Non-Autonomous College, affiliated to Anna University, Chennai. The institution is recognized by UGC and AICTE. Two programs are accredited with NBA (ECE & CSE).

The entire NAAC Cycle II preparation has been anchored by faculty who has spent time, energy and dedicated services. The alumni of our institution reconnect with their alma mater by interacting with students through knowledge sharing sessions. The college enjoys a healthy and positive relationship between faculty and students. While teachers are firm, they deal with students with kindness and concern. The girl students enjoy equal access to resources without bias. The college is proud to report about the non-occurrence of ragging / sexual harassment in the campus. The Management practices secularism, equal opportunity given for everybody and transparent Governance.

### Credentials:

- The institution has applied for autonomous status
- The institution is participating in NIRF every year
- UGC 2f certified institution and has Institution Innovation cell (IIC)
- Bluez Informatics System initiated as startup in the institution
- JSR Techno Innovation established in the institution
- Business incubation support for aspirants through MSME Host Institute recognition
- Centre of excellence in 3D Printing, Robotics, Drones and IoT
- Collaborated & established Technology Training Center in Barani Hydraulics India Pvt. Ltd.
- Host institution for UHV by AICTE
- Rigorous training for student placements
- Bagged 26 University rank holders in both UG and PG
- Signed MoUs with overseas University
- Bagged 6 Golds, 14 Silvers and 96 Elite Certificates in NPTEL
- Strengthened formal feedback from students for quality improvement and analytic evaluation of teachers for improvement in quality of teaching
- Increased Research Publications in indexed journals
- Promotion of research projects from Government and Non-Government organizations
- Best institution in Tirupur District by Puthuyugam Television
- Received International Wonder Book of Records for Indian Traditional Motif
- Second Runner up in Indian Prokart Endurance Championship 2023
- Head of the Institute is listed in Top 2% Scientist from Stanford University, USA
- Strong Industrial relationship with leading industries like Saint Gobain and Rane Industries
- Funds received from AICTE, ICMR, DST and ICSSR
- Institute is recognized by Rural Development and Panchayat for four districts as consultant for material testing by Government of TamilNadu

### Concluding Remarks :

Jai Shriram Engineering College accomplished by prominent industry, M/s.Barani Hydraulics India Pvt. Ltd.,

Coimbatore and run by **Shenthil Velevan Charitable Trust**, is committed to provide excellence in Academics, Research and Governance, with its greatest strength in the cadre of men and women devoted to excellence in every process and undertaking. The institution has all statutory committees such as Governing Body, Academic Council, Finance committee and other non-statutory committees. The respective committees take policy decisions related to the academic and non-academic activities and it is implemented whenever necessary. The institution has a well-defined strategic plan drafted in line with the institute's vision and mission and it will be periodically reviewed by statutory committee.

The institution has adequate infrastructure for teaching and learning activities. The classrooms are enabled with ICT tools. The institute also has desired infrastructural facilities to conduct Co-Curricular and Extracurricular activities. To encourage financially weaker section of the students, Govt. / Non-Govt. schemes (which provide financial assistance throughout the degree program) are facilitated as per the criteria. The students are prepared through value education, enriched training and research to become intellectually inspired and morally upright individuals who boldly face the global challenges. The institution has a strong industry institute collaboration to strengthen the gap between industry and academics.

IQAC has been contributing significantly to sustain and enhance the quality in all aspects of the functioning of the Institute. The quality enhancement is a continual process of IQAC and all the initiatives are properly planned and conducted for each program with internal and external experts by the coordinator.

To sum up the institution is marching towards achieving the vision, to promote world class engineering and management education to promote the rural community students with research oriented global competitiveness. The institution is keen to promote multidisciplinary learning among the students as per the NEP 2020 aligned Curriculum, Choice Based Credit System, Outcome Based Education, ICT based Teaching and Learning, Industry-Partnered Centers, Professional Societies and Club.

## 6.ANNEXURE

### 1.Metrics Level Deviations

Metric ID	Sub Questions and Answers before and after DVV Verification																																								
1.2.1	<p><b>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)</b></p> <p>Answer before DVV Verification :</p> <p>Answer After DVV Verification :64</p> <p>Remark : DVV has made changes as per report shared by HEI and values have been downgraded due to repetitive count</p>																																								
1.3.2	<p><b>Percentage of students undertaking project work/field work/ internships (Data for the latest completed academic year)</b></p> <p>1.3.2.1. <b>Number of students undertaking project work/field work / internships</b></p> <p>Answer before DVV Verification : 920</p> <p>Answer after DVV Verification: 570</p> <p>Remark : DVV has made necessary changes</p>																																								
2.1.2	<p><b><i>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</i></b></p> <p>2.1.2.1. <b>Number of actual students admitted from the reserved categories year wise during last five years (Exclusive of supernumerary seats)</b></p> <p>Answer before DVV Verification:</p> <table border="1"> <thead> <tr> <th>2022-23</th> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> </tr> </thead> <tbody> <tr> <td>352</td> <td>297</td> <td>225</td> <td>123</td> <td>272</td> </tr> </tbody> </table> <p>Answer After DVV Verification :</p> <table border="1"> <thead> <tr> <th>2022-23</th> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> </tr> </thead> <tbody> <tr> <td>278</td> <td>239</td> <td>213</td> <td>123</td> <td>251</td> </tr> </tbody> </table> <p>2.1.2.2. <b>Number of seats earmarked for reserved category as per GOI/ State Govt rule year wise during the last five years</b></p> <p>Answer before DVV Verification:</p> <table border="1"> <thead> <tr> <th>2022-23</th> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> </tr> </thead> <tbody> <tr> <td>368</td> <td>368</td> <td>368</td> <td>368</td> <td>368</td> </tr> </tbody> </table> <p>Answer After DVV Verification :</p> <table border="1"> <thead> <tr> <th>2022-23</th> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> </tr> </thead> <tbody> <tr> <td>368</td> <td>368</td> <td>368</td> <td>368</td> <td>368</td> </tr> </tbody> </table>	2022-23	2021-22	2020-21	2019-20	2018-19	352	297	225	123	272	2022-23	2021-22	2020-21	2019-20	2018-19	278	239	213	123	251	2022-23	2021-22	2020-21	2019-20	2018-19	368	368	368	368	368	2022-23	2021-22	2020-21	2019-20	2018-19	368	368	368	368	368
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Remark : DVV has made changes as per prescribed format shared by HEI and values have been downgraded due to excess of seats in reserve category.

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

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

Answer before DVV Verification:

2022-23	2021-22	2020-21	2019-20	2018-19
100	102	103	106	100

Answer After DVV Verification :

2022-23	2021-22	2020-21	2019-20	2018-19
114	114	114	114	112

Remark : DVV has made necessary changes.

#### 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)

##### 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

Answer before DVV Verification:

2022-23	2021-22	2020-21	2019-20	2018-19
14	18	16	14	12

Answer After DVV Verification :

2022-23	2021-22	2020-21	2019-20	2018-19
14	18	16	12	9

Remark : DVV has made necessary changes

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

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

Answer before DVV Verification:

2022-23	2021-22	2020-21	2019-20	2018-19
134	177	328	287	303

Answer After DVV Verification :

2022-23	2021-22	2020-21	2019-20	2018-19
134	177	328	127	221

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

Answer before DVV Verification:

2022-23	2021-22	2020-21	2019-20	2018-19
140	192	332	296	453

Answer After DVV Verification :

2022-23	2021-22	2020-21	2019-20	2018-19
140	192	332	296	453

Remark : DVV has made necessary changes as per supportings shared in SSR.

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

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

Answer before DVV Verification:

2022-23	2021-22	2020-21	2019-20	2018-19
12.075	0.375	2	5.15	16.088

Answer After DVV Verification :

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

Remark : DVV has made necessary changes.

**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
24	31	24	26	51

Answer After DVV Verification :

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

08	06	04	02	0
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Remark : DVV has made necessary changes

**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
15	33	18	9	9

Answer After DVV Verification :

2022-23	2021-22	2020-21	2019-20	2018-19
15	13	7	8	0

Remark : DVV has made necessary changes as per prescribed format shared by HEI based on calendar year (JAN-DEC).

**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
28	11	03	03	06

Answer After DVV Verification :

2022-23	2021-22	2020-21	2019-20	2018-19
15	08	00	01	06

Remark : DVV has made changes as per prescribed format shared by HEI and values have been downgraded in this assessment years as those programmes was not related to NSS/NCC/YRC (Swachh Bharat, AIDS awareness, Gender issues etc. and/or those organised in collaboration with industry, community and NGOs) in last 5 years.

**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 :13  
 Remark : DVV has made necessary changes

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

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

Answer before DVV Verification:

2022-23	2021-22	2020-21	2019-20	2018-19
38.75	112.75	25.91	25.38	7.091

Answer After DVV Verification :

2022-23	2021-22	2020-21	2019-20	2018-19
38.75	112.75	25.91	23.54	3.97

Remark : DVV has made necessary changes.

**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
138.79	76.33	39.84	108.43	61.79

Answer After DVV Verification :

2022-23	2021-22	2020-21	2019-20	2018-19
7.26	3.25	2.33	6.34	3.25

Remark : DVV has made necessary changes

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

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

Answer before DVV Verification:

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

111	160	253	162	237
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Answer After DVV Verification :

2022-23	2021-22	2020-21	2019-20	2018-19
111	160	253	121	221

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

Answer before DVV Verification:

2022-23	2021-22	2020-21	2019-20	2018-19
140	192	332	296	453

Answer After DVV Verification :

2022-23	2021-22	2020-21	2019-20	2018-19
134	177	328	121	221

Remark : DVV has made necessary changes.

**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
3	0	1	1	5

Answer After DVV Verification :

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

Remark : DVV has made necessary changes.

**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
11	4	0	1	4

Answer After DVV Verification :

2022-23	2021-22	2020-21	2019-20	2018-19
03	01	0	02	04

Remark : DVV has made necessary changes

**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
50	50	35	13	41

Answer After DVV Verification :

2022-23	2021-22	2020-21	2019-20	2018-19
45	45	35	06	05

Remark : DVV has made necessary changes as per prescribed format shared by HEI and values have been downgraded due to repetitive names

**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**

**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**

Answer before DVV Verification:

2022-23	2021-22	2020-21	2019-20	2018-19
87	82	65	30	42

Answer After DVV Verification :

2022-23	2021-22	2020-21	2019-20	2018-19
87	82	65	20	38

Remark : DVV has made necessary changes.

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
124	122	111	40	13

Answer After DVV Verification :

2022-23	2021-22	2020-21	2019-20	2018-19
99	100	93	40	13

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	20	22	20	18

Answer After DVV Verification :

2022-23	2021-22	2020-21	2019-20	2018-19
25	20	22	20	18

Remark : DVV has made necessary changes as per prescribed format shared by HEI and values have been downgraded due to repetitive count.

## 2.Extended Profile Deviations

ID	Extended Questions																				
1.1	<p><b>Number of students year wise during the last five years</b></p> <p>Answer before DVV Verification:</p> <table border="1"> <thead> <tr> <th>2022-23</th> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> </tr> </thead> <tbody> <tr> <td>986</td> <td>826</td> <td>849</td> <td>905</td> <td>1298</td> </tr> </tbody> </table> <p>Answer After DVV Verification:</p> <table border="1"> <thead> <tr> <th>2022-23</th> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> </tr> </thead> <tbody> <tr> <td>986</td> <td>826</td> <td>849</td> <td>849</td> <td>1296</td> </tr> </tbody> </table>	2022-23	2021-22	2020-21	2019-20	2018-19	986	826	849	905	1298	2022-23	2021-22	2020-21	2019-20	2018-19	986	826	849	849	1296
2022-23	2021-22	2020-21	2019-20	2018-19																	
986	826	849	905	1298																	
2022-23	2021-22	2020-21	2019-20	2018-19																	
986	826	849	849	1296																	
2.2	<b>Number of teaching staff / full time teachers year wise during the last five years</b>																				

Answer before DVV Verification:

2022-23	2021-22	2020-21	2019-20	2018-19
100	102	103	106	100

Answer After DVV Verification:

2022-23	2021-22	2020-21	2019-20	2018-19
100	102	103	84	76