2ZmFiNmU5ZDhiMmY1MzhmZmRjZWQ1NWFjNDRIMjhmOGNjMjI3MWVjNDgzMDU2Y2FiYzhkZCIsInRhZyI6IiJ9)

SELF STUDY REPORT

FOR

1st CYCLE OF ACCREDITATION

T.J.S.ENGINEERING COLLEGE

T.J.S ENGINEERING COLLEGE, TJS NAGAR, PERUVOYAL, NEAR KAVARAIPETTAI, THIRUVALLUR DISTRICT.
601206

www.tjsec.in

Submitted To

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

BANGALORE

February 2019

Executive Summary

Introduction:
Location of T.J.S. Engineering College

T.J.S. Engineering College was pioneered by T.J. Sivananda Mudaliar Educational Trust in the year 2009 with a vision to make an indelible mark in the field of Engineering Education. T.J.S.E.C inaugurated with 230 students out of 240 in four B.E. Degree Program in the year 2009.The College has gradually developed to offer two PG programmes and 1 UG programme in addition to existing 4 programme with a total intake of 480students in UG and 36 students in PG. The College is located in a sprawling campus (in 11.5 acres out of about 50 acres of trust land) at Peruvoyal, 3 km ahead of Kavaraipettai, 0.5 km west of NH5, 36 km from Koyambedu bus station, 4 km from Kavarapettai RS and 45 Km from Chennai Airport,   This lush green serene area is most suitable to maximize the effectiveness of teaching and learning.

Academic Ambience at T.J.S.E.C

The College is approved by AICTE, affiliated to Anna University and also obtained ISO 9001:2008 certificate for the Academic Standard.   Every department has excellent and well-equipped laboratories (as per Anna University and AICTE norms), smart classrooms, spacious auditorium and conference hall. The excellent faculty members, with missionary zeal, not only guide the students in their academic interest but also channelize their thoughts and actions into positive direction. T.J.S. Engineering College is ranked 58th among 530 colleges.

The institute strives to improve the student quality and further deepens of its relations with all its stakeholders. Appropriate ICT inculcation in curricular transactions, validated learning resource materials, annual calendar, creation of advanced communication and computer skill labs are the

other major activities undertaken by the institute.

The institute has well developed infrastructure to ensure students to learn in a modern, high-quality, and updated places of learning that have incorporated technology interface wherever necessary. College teaches Intellectual and Practical Skills, including Inquiry and analysis, critical and creative thinking, written and oral communication, quantitative literacy, information literacy, teamwork and problem solving. It aims in instilling Personal and Social responsibility, including civic knowledge, intercultural knowledge and competence.

Vision:
To empower the youth by developing their capabilities through quality education based on values.

Mission:
To promote education through a holistic manner to make them employable.

To make them responsible citizens to participate in the advancement of the society.

To make them contribute to the national growth and the world at large.

To promote excellence, quality and relevance in the field of technology to suit the industry needs.

SWOC

Institutional Strength :
- Sprawling Campus in a serene environment with excellent infrastructure.
- Freedom to adopt innovative methods in teaching and learning
- Self-motivated faculties
- Good retention index of faculty
- Teaching with hands on training and shifting to Students centric concepts
- Technology driven instructional methodology with NPTEL supported teaching videos.
- Active mentoring system providing continuous guidance to the student and feedback to the parent.
- Guest Lectures by Experts from Industry & Institute of National repute for students & faculties.
- The training and development programmes are designed to improve confidence levels, analytical thoughts, presentation skills, communication skills and technical knowhow.
- On campus learning centres in collaboration with companies
- Excellent campus placements
- MOU's with Leading organisations.
- Support from Industries in and around Chennai.
- No equity issues, ragging free environment
- Excellent facilities for sports
- Active participation in sports and other extra-curricular activities by both genders

- Integrated meditation course to every student.
- Location of the college is well connected with other areas
- All round and abundant support from the Management for career Planning

Institutional Weakness :

- Surrounding industries do not have R & D platform
- Industry-Institute interaction
- Rural background do not attract people with high profile
- Students from rural background take time to come out of the complexities

Institutional Opportunity :

- Exploring more opportunities for consultancy projects.
- Participation of students in various competitions and Technical activities
- To start research centre to address current issues
- Mahendra city at just 1.5km from the college will provide job and consultancy works
- Many faculty pursuing research program will increase publication and scope for patents
- High retention index of the college will ensure consistency in the quality of education and foster technological sprits in the young minds
- To bring centre of excellence in the latest technologies like Block chain, IoT, Artificial Intelligence etc....
- Adjunct faculty from nearby industrial estates like Gummidipoondi IE, Kandigaipaeir IE, Sricity, etc.
- To work with industries for upgrading automation by IoT
- Conduct international seminars on cutting edge technologies
- Setting skill development centre to nearby under privileged village for youngsters
- Taking the college to new standards by getting NBA, NIRF etc...
- Improving the placement and consultancy work through Alumni's
- Starting PG programs in the latest thrust areas
- Creating incubation centre to the rural people enabling them to bring their dream true
- Providing working platform to IT companies to expose the talents of the final year students(internship, part time job at the college itself by the MNCs)
- Preparing students for GATE, GRE and Govt. / Public Sector competitive Exam.

- Potential placement opportunities in Core industries.
- To create right ambience for Students to participation in MOOCs
- To conduct faculty development programme on essential thrust areas in Engineering and Life skills

Institutional Challenge :

- Less inclination of student in rural area towards pursuing higher technical education.
- Getting research fund from reputed organisations
- Initiating consultancy services from the industries
- Creating Entrepreneurs.

- Professors with high profile reluctant to join due to long travel from the city

Criteria wise Summary

Curricular Aspects :

The Institution is affiliated to Anna University and the curriculum prescribed by Anna University is firmly adhered to. Our institution is committed to its motto of prosperity through Technology for achieving rapid and complete growth.

Effective curriculum delivery is confirmed through a process as presented below:

- Advance preparation of academic activities with sufficient learning materials
- Maintenance of course files by the faculty
- Remedial Classes for slow learners
- Mentor-ward system
- Periodic assessment of teaching-learning process by the Principal
- Systematic examination process with regular reports to parents
- Guest lectures, Seminars, Industrial visits and Training programmes
- Refresher Courses, Workshops and FDPs for growth of faculty's skills
- CBCS introduced in 5 UG programs and in 2 PG programs from the academic year 2017-2018.
- Organizing programmes relevant to gender-equality, environment, human values and professional ethics
- Offering skill-development, field projects and value-addition courses to enrich curriculum.
- Technical activities of professional societies help students to widen their perspectives of knowledge.
- To create an exposure in developing the competencies of the students in order to prepare them to face the challenges of the changing world.
- The college ensures at least two industrial visits in a semester being organised by the department. The in - plant training is arranged by the department as well the students, to undergo such a training once in a academic year without fail and internship is also organised by the department based on the requirement by the industries or as obtained by the students themselves.
- Effective feedback system is being followed to evaluate the teaching – learning process, other services and other amenities provided by the college. The feedback is analysed systematically and remedial measures are taken with the approval of the governing body.

Teaching-learning and Evaluation :

The college adopts the guidelines issued by the Directorate of Technical Education of Government of Tamilnadu on eligibility criteria and other reservation policies. Every aspect of admission is transparent to every stake holder. The eligibility criteria and reservation policy is strictly adhered and vacancy if arises, is allotted under lapsed seat category to any eligible students. The admission is purely based on the marks scored by the student. The teaching program is

scheduled in-accordance with the schedule of working days as intimated by the University. The schedule of working days is displayed in the Department notice board and the copy is displayed in the college website also.

Teachers and students are made well aware of program outcomes and course outcomes.

The Institution evaluates the attainment of these outcomes through various means like Class tests, practical classes, competitions etc…To ensure the quality of teaching, learning and evaluation processes both the knowledge as well as the cognition dimension, the revised Bloom's taxonomy is referred by the college.

We have centralized Examination committee to conduct internal test and semester end examinations. Fair practices and transparency are maintained in the examination and evaluation processes. Online student satisfaction survey with regard to teaching learning process is performed. Owing to the efforts taken by the faculty members and students, most of the students complete their engineering program in the stipulated time with good percentage.

Research, Innovations and Extension :

The institution has created an eco-system for innovation and other initiatives for creation and transfer of knowledge. The faculty members are empowered to take up research activities. The students are motivated to take part in mind blowing competitions organized by various bodies. To meet the emerging academic and research needs, faculty enrichment programmes are conducted. Presently there are10 Ph.D. holders and 15 faculty members pursue Ph.D. in our College. There is a steep increase in publication of research papers in reputed National and International Journals every year. Six faculty members of our college have written books. The institution insists all the students to be a part of representing various social issues through parallel activities in various students club. The NSS and YRC volunteers of our college involve in multifarious activities for promoting positive social changes in neighborhood. Engagement of students in social affairs leads them to become sensitive to the challenges of a developing society. College provides extensive ideas on real time projects by visiting various industries through in-plant training and internship (30 days) for prospective learners. In addition to the above our college has signed 29 MoUs with renowned organizations for the betterment of the students.

Infrastructure and Learning Resources :

The well-developed infrastructure augments learning with significant concern of the institution. Well ventilated, spacious classrooms, tutorial room, laboratories, staff rooms, rest rooms etc. to meet the curriculum and the Anna University syllabus. The infrastructural facilities are improved in-line with the increased demand. The vibrant environment coupled with the clean-Green campus ensures the all-round development of the students. This set-up also claims of extensive sports facilities and well equipped gymnasium caters to the complete range of the students' sports requirements. TJSEC also has a qualified Physical Education Director and regularly organizes state and A U tournaments on campus. Our students also have won many prizes in inter-collegiate and state level competitions. Our library is well equipped with modern facilities including wi-fi technology. The library at our college with two separate sections efficiently facilitates the reference needs (with browsing facility, newspapers section, CD section, reference text books and sufficient seating) and book issuing process (ICT enabled). Our library has NPTEL Video Lectures, Previous year question papers, project reports, manuals, etc. catering to different needs of the students and

staff. T.J.S. Engineering College is an Eco – friendly campus with well – stocked treated RO water. The other facilities such as Separate hostel for boys and girls, large and spotlessly maintained dining hall providing nutritious food, continuous power supply (Generator backup facility, as per AICTE norms), a fleet of 40 buses operated to all the places serve the students and staff. The college provides a system of education with an atmosphere conducive to pursue their studies well.

Student Support and Progression :

The college provides a meaningful partnership between students and teachers. Financial assistance is offered in the form of scholarship every year to the students under different categories and is made available and disbursed on time. In addition to the scholarships awarded by the Government of Tamil Nadu, the college has initiated several Scholarships. Apart from regular courses the college offers add-on courses, certificate courses to facilitate the all-round development of students. Counseling is provided by the staff at an individual level to students interested in various state & national level competitive exams (GATE, GMAT, CAT, GRE, Civil Service, etc.) and at university level entrance exams. Regular tutorials, extra classes and remedial classes are held to address the academic needs of each individual student. At interpersonal level, teachers guide students to pursue postgraduate and further studies. Guidance and Counseling is given on various emotional, social and psychological needs of students from diverse backgrounds. The Training and Placement office conducts several seminars and workshops by inviting resource persons from eminent institutions and agencies to help the students to improve their skills. The success of the training is reflected in the number of companies visiting the campus for placement. The College promotes the non-academic /extra-curricular abilities/skills of the students through various societies & committees and provides guidance for their participation such as inter-college, state and National competitions, seminars etc. There are 5 Professional bodies and 2 Student Chapters effective in our college to keep abreast of innovative Technology. Student grievances are addressed through committees such as Grievance redressal Committee and anti-ragging committee. The Institution nurtures the alumni association for the significant developments. Yearly meetings of the alumni association are arranged by the Institution as to interact with the alumni.

Governance, Leadership and Management :

The organizational structure is well planned in order to achieve the vision and mission of the college. The delegation of powers to the authorities makes the governance effective and efficient. Various committees and councils are formed. Academic documents are being digitized and are well maintained.   The service rules have been formed for better governance. Various bodies are created to execute the works in time. E- Governance is introduced wherever possible; Bio-metric systems, ERP for documenting various activities connected with the students, library, payment of fees, transport and hostel, Tally and other accounting software are used in the day to day activities. Welfare measures are taken by for the betterment of the staff members. The faculty members regularly attend Faculty Development Programme in order to keep abreast of Knowledge. 50 staff members of our college participated in FDP on Student Guidance and Counselling which was conducted in our college by NITTTR. Best performing Teachers are constantly encouraged and honoured with Cash award. The college is concerned about the personal welfare and health issues of the staff and they are permitted to avail maternity leave and

sick leave. Internal and Financial audits are carried out routinely. IQAC of the college monitors the teaching learning process. Quality Enhancement Initiatives like Software development and Bio-metric systems are being implemented in the college.

Institutional Values and Best Practices :

Our College has always initiated in displaying the best institutional values and practices. The college promotes gender equity and sensitivity through various gender equity promotion programmes. Common rooms are available for girls as well as boys. Several activities are conducted for the promotion of national values and communal harmony. Suitable action has been taken on Annual power requirement and it is met by the renewable energy and alternative source of energy. The college has Installed waste management technology and rainwater harvesting system. Our campus is eco-friendly and located in a serene area suitable for various educational activities. Several awareness programs are conducted for the students (Jaithu Katuvom - Dinamalar) and it also provides space to conduct various government/non-government competitive examinations. The best practice which contributes to better academic and administrative functioning of the College is well documentation of activities. All the academic events are regularly documented. Monthly reports are maintained in order to assess the growth of the institution. The report focus on Absentees Statement for Test & Tutorials, Academic Attendance Statement, Papers Presented and Published by the Students, Details of the Events participated by the Students and staff, Placement Training, Campus Drive, Details of In-plant Training, Industrial Visits, and Value added Courses, etc. The ERP System enables integration which facilitates the entire student life cycle management and increases teacher student collaboration. Every year, the best outgoing students are awarded as a token of encouragement for their outstanding all round performance without any gender bias. The college faculty and students have responsibly engaged with people and communities, fulfilling its role in making knowledge and information accessible to people.

Profile

BASIC INFORMATION

Name and Address of the College	
Name	T.J.S.ENGINEERING COLLEGE
Address	T.J.S ENGINEERING COLLEGE, TJS NAGAR, PERUVOYAL, NEAR KAVARAIPETTAI, THIRUVALLUR DISTRICT.
City	Thiruvallur

State	Tamil Nadu
Pin	601206
Website	www.tjsec.in (http://www.tjsec.in)

Contacts for Communication

Designation	Name	Telephone with STD Code	Mobile	Fax	Email
Principal	J.prakash	044-27967602	7373730006	044-27967606	principal@tjsec.in
IQAC / CIQA coordinator	K.kamalbabu	044-27967624	7373720182	-	hodmech@tjsec.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 minroity institution	No

Establishment Details

Date of establishment of the college

University to which the college is affiliated/ or which governs the college (if it is a cons
State
Tamil Nadu

Details of UGC recognition
Under Section
2f of UGC
12B of UGC

Details of recognition/approval by stationary/regulatory bodies like AICTE,NCTE,MCI,D

Statutory Regulatory Authority	Recognition/Approval details Institution/Department programme
AICTE	View Document (https://assessmentonline.naac.gov.in/public/index.php/admin/ file_path=eyJpdiI6Ijl4TmZOcHBkS1ppTGdPRHJtb3hxK0E9PSIsInZhbHVlIjoien

Details of autonomy

Does the affiliating university Act provide for conferment of autonomy (as recognized by the UGC), on its affiliated colleges?	No

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	T.J.S ENGINEERING COLLEGE, TJS NAGAR, PERUVOYAL, NEAR KAVARAIPETTAI, THIRUVALLUR DISTRICT.	Rural	11.5	18581

ACADEMIC INFORMATION

Details of Programs Offered by the College (Give Data for Current Academic year)

Program Level	Name of Program/Course	Duration in Months	Entry Qualification	Medium of Instruction	Sanctioned Strength	No.of Students Admitted
UG	BE,Civil Engineering,	48	HSC EQUIVALENT	English	60	5
UG	BE,Computer Science And Engineering,	48	HSC EQUIVALENT	English	120	62
UG	BE,Electrical And Electronics Engineering,	48	HSC EQUIVALENT	English	60	27
UG	BE,Electronics And Communication Engineering,	48	HSC EQUIVALENT	English	120	45
UG	BE,Mechanical Engineering,	48	HSC EQUIVALENT	English	120	62
PG	ME,Computer Science And Engineering,	24	UG ENGG IN CIRCUIT BRANCH	English	18	0
PG	ME,Vlsi Design,	24	UG ENGG IN CIRCUIT BRANCH	English	18	5

Position Details of Faculty & Staff in the College

Teaching Faculty

	Professor				Associate Professor				Assistan	
	Male	Female	Others	Total	Male	Female	Others	Total	Male	Fe
Sanctioned by the UGC /University State Government				0				0		
Recruited	0	0	0	0	0	0	0	0	0	0
Yet to Recruit				0				0		
Sanctioned by the Management/Society or Other Authorized Bodies				10				20		
Recruited	4	0	0	4	6	2	0	8	49	42
Yet to Recruit				6				12		

Non-Teaching Staff

	Male	Female	Others	
Sanctioned by the UGC /University State Government				
Recruited	0	0	0	
Yet to Recruit				
Sanctioned by the Management/Society or Other Authorized Bodies				
Recruited	13	4	0	
Yet to Recruit				

Technical Staff

	Male	Female	Others	
Sanctioned by the UGC /University State Government				
Recruited	0	0	0	
Yet to Recruit				
Sanctioned by the Management/Society or Other Authorized Bodies				
Recruited	15	3	0	

Yet to Recruit		

Qualification Details of the Teaching Staff

Permanent Teachers

Highest Qualification	Professor			Associate Professor			Assistant Professo		
	Male	Female	Others	Male	Female	Others	Male	Female	Ot
D.sc/D.Litt/LLD/DM/MCH	0	0	0	0	0	0	0	0	0
Ph.D.	3	0	0	1	1	0	3	1	0
M.Phil.	0	0	0	1	0	0	5	11	0
PG	1	0	0	4	1	0	41	30	0
UG	0	0	0	0	0	0	0	0	0

Temporary Teachers

Highest Qualification	Professor			Associate Professor			Assistant Professo		
	Male	Female	Others	Male	Female	Others	Male	Female	Ot
D.sc/D.Litt/LLD/DM/MCH	0	0	0	0	0	0	0	0	0
Ph.D.	0	0	0	0	0	0	0	0	0
M.Phil.	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	0	0	0
UG	0	0	0	0	0	0	0	0	0

Part Time Teachers

Highest Qualification	Professor			Associate Professor			Assistant Professo		
	Male	Female	Others	Male	Female	Others	Male	Female	Ot
D.sc/D.Litt/LLD/DM/MCH	0	0	0	0	0	0	0	0	0
Ph.D.	0	0	0	0	0	0	0	0	0
M.Phil.	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	0	0	0
UG	0	0	0	0	0	0	0	0	0

Details of Visting/Guest Faculties

Number of Visiting/Guest Faculty engaged with the college?	Male	Female	Others	Total
	0	0	0	0

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

Program		From the State Where College is Located	From Other States of India	NRI Students	Foreign Students	Total
UG	Male	203	26	0	0	229
	Female	0	0	0	0	0
	Others	0	0	0	0	0
PG	Male	5	0	0	0	5
	Female	0	0	0	0	0
	Others	0	0	0	0	0

Provide the Following Details of Students admitted to the College During the last four Academic Years

Category		Year 1	Year 2	Year 3	Year 4
SC	Male	30	25	41	37
	Female	18	19	18	26
	Others	0	0	0	0
ST	Male	0	0	0	0
	Female	0	0	0	0
	Others	0	0	0	0
OBC	Male	104	145	219	212
	Female	48	49	106	133
	Others	0	0	0	0
General	Male	23	24	25	27
	Female	11	21	17	27
	Others	0	0	0	0

Others	Male	0	0	0	1
	Female	0	0	0	0
	Others	0	0	0	0
Total		234	283	426	463

Provide the Following Details

Number of Programs	Self-financed Programs offered	New Programs introduced during the last five years
	7	2

Provide the Following Details

Unit Cost of Education	Including Salary Component	Excluding Salary Component
106576	106576	40591

QIF

1.Curricular Aspects

1.1 Curricular Planning and Implementation

1.1.1 *The institution ensures effective curriculum delivery through a well planned and documented process*

Answer:

The college follows the day order system. The Lesson plan or teaching plan is framed by the faculty before the commencement of the Course. These plans depend upon the syllabus prescribed by the University and the number of lectures allotted by it. Students and faculty are made well aware of the Programme Outcome and Course Outcome. The faculty members schedule their activities and lecture plan well in advance based on the academic schedule framed by Anna University. The allocation of Tutorial Classes for every subject is strictly adhered. The teaching and laboratory plans are approved by Head of Department (HOD) before the start of semester and communicated to students by respective course teacher. ICT

mode of teaching is followed to deliver the subject matter with great attention.Students are advised to follow the reference books quoted in the syllabus. Materials for Theory Subjects: Lecture notes, Question bank, Quizzes, Videos, Presentations and Applications of Concept are well structured. Laboratory classes are thoughtfully conducted in batches. A class committee is formed in the beginning of the year and it meetsat least thrice a semester. Students' participation in course work is ensured by the mandatory minimum attendance in the class, the norms for which are set by the University. Assignments are regularly given to inculcate the learning process for students to have a better understanding of the subject. The Faculty members follow Bloom's Taxonomy system to frame Question Papers in order to promote higher forms of thinking in Education. Test is conducted in every Unit and the students who fail to score more than 70% need to appear for the retest. HoDs compile test reports and remedial measures are discussed. Model Exam and practicals are habitually conducted before the university Examination. Record of attendance and assessment which contains details on overall performance of every student is maintained by the faculty in every Theory and Laboratory session. Bridge courses are organized and conducted for the first year students and lateral entry students tohelp them understand basic concepts of Mathematics and Engineering. The college engages learner centric techniques such as peer learning, group discussion, brain storming, use of NPTEL lectures case studies, etc., in the delivery of the academic courses. The college provides assistance in all forms to accomplish Mini Projects and Students are directed to Industry for the successful completion of final year projects. The students are encouraged by arranging Industrial Visit at least twice in a semester as per the norms of Anna University. The college offers value added courses in order to equip themselves to enhance their capacity. Students undergo Internship training for a month as Employers value internship experience. Views of experts from industry, academia and alumni on curriculum are taken regularly. The proficient speakers from various fields are invited to impart knowledgeable ideas.Feedback from industry and alumni is given due importance in defining graduate attributes and design of course outcomes.The college aims to encourage talents and entrepreneurship and enable all round personality growth of students

File Description	Document
Any additional information	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/102770/1

Link for Additional Information	View Document (http://tjsec.in/NAAC-UPLOADS/CRI-1/1.1.1.pdf)

1.1.2 Number of certificate/diploma program introduced during the last five years

Answer: 23

1.1.2.1 **Number of certificate/diploma programs introduced year-wise during the last five years**

Answer:

2017-18	2016-17	2015-16	2014-15	2013-14
6	9	5	2	1

File Description	Document
Minutes of relevant Academic Council/BOS meetings	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/102
Details of the certificate/Diploma programs	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/102

1.1.3 Percentage of participation of full time teachers in various bodies of the Universities/ Autonomous Colleges/ Other Colleges, such as BoS and Academic Council during the last five years

Answer: 1.56

1.1.3.1 Number of teachers participating in various bodies of the Institution, such as BoS and Academic Council year-wise during the last five years

Answer:

2017-18	2016-17	2015-16	2014-15	2013-14
0	1	1	0	0

File Description	Document
Details of participation of teachers in various bodies	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/102770/1
Any additional information	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/102770/1

1.2 Academic Flexibility

1.2.1 Percentage of new Courses introduced out of the total number of courses across all Programs offered during last five years

Answer: 26.33

1.2.1.1 How many new courses are introduced within the last five years

Answer: 347

File Description	Document
Details of the new courses introduced	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/102770/1

1.2.2 Percentage of programs in which Choice Based Credit System (CBCS)/Elective course system has been implemented

Answer: 100

1.2.2.1 Number of programmes in which CBCS/ Elective course system implemented.

Answer: 7

File Description	Document
Name of the programs in which CBCS is implemented	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/102770/1
Any additional information	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/102770/1

1.2.3 Average percentage of students enrolled in subject related Certificate/ Diploma programs/Add-on programs as against the total number of students during the last five years

Answer: 23.13

1.2.3.1 Number of students enrolled in subject related Certificate or Diploma or Add-on programs year-wise during the last five years

Answer:

2017-18	2016-17	2015-16	2014-15	2013-14
400	296	556	199	288

File Description	Document

Details of the students enrolled in Subjects related to certificate/Diploma/Add-on programs	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SS

1.3 Curriculum Enrichment

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

Answer:

1.3.1 Institution integrates cross cutting issues relevant to Gender, Environment and sustainability, Human Values and professional Ethics into the curriculum.

As an affiliated institution of Anna University, the following courses integrates the cross cutting issues relevant to Gender, Environment and sustainability, Human Values and professional Ethics. In the latest regulation 2017 of Anna University prepared curriculum with humanity social sciences, basic sciences, engineering sciences, professional core, and university also has done the mapping on the courses offered on Cos, POs, and PSOs, which naturally address the above said issues, the courses offered are

- Human Rights
- Ground Water Engineering
- Water Resources & Irrigation Engineering
- Renewable sources of energy
- Environmental Science & Engineering
- Environmental Engineering -I
- Environmental Engineering-II
- Environmental Impact Assessment
- Municipal Solid waste Management
- Industrial Waste Management
- Air pollution Management
- Disaster management
- Intellectual Property Rights
- Professional Ethics

GENDER EQUITY:

Apart from the above subjects, Institution provides a level playing field for both genders on all academic and non-academic activities. Also the student community participates on all curricular and co-curricular activities united without gender both on and off the campus.

LIST OF EVENTS ON GENDER EQUITY:

- Youth Empowerment
- Women they think ahead and they stay ahead
- Women as work force in this century
- College bazzar exhibition for women, organized by Tamilnadu state rural livelihood mission, district mission management unit, Thiruvallur district.

HUMAN VALUES:

Basic fundamental rights provided by the Indian constitution is up held ,in all aspects of the organisation , where people of different caste, religion, community, gender, economic status, education are treated as fellow human beings by each other. To make the students understand Engineering ethics &Human values to incorporate all the elements of ethics.

PROFESSIONAL ETHICS:

The best of organisation begin with a solid ethical footing, honesty and integrity is always an important aspects for educational institutions. Transparency should be attained the way the institution does in day to day activities. Accountability, confidentiality, loyalty are other parameters instilled in our institutional setup. The students have been taught an elective subject on P.E, Also the faculty members are educated by these Ethical values by the organisation continuously.

File Description	Document
Any Additional Information	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/102770/1

1.3.2 Number of value added courses imparting transferable and life skills offered during the last five years

Answer: 43

1.3.2.1 Number of value-added courses imparting transferable and life skills offered during the last five years

Answer: 43

File Description	Document
Details of the value-added courses imparting transferable and life skills	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/102770/1
Brochure or any other document relating to value added courses.	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/102770/1

1.3.3 Percentage of students undertaking field projects / internships

Answer: 5.85

> 1.3.3.1 Number of students undertaking field projects or internships
>
> Answer: 75

File Description	Document
Institutional data in prescribed format	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/102770/1

1.4 Feedback System

1.4.1 Structured feedback received from

1) Students, 2)Teachers, 3)Employers, 4)Alumni and 5)Parents for design and review of syllabus-Semester wise/ year-wise

Answer: A.Any 4 of the above

File Description	Document
Any additional information	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/102770/
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/102770/

1.4.2 Feedback processes of the institution may be classified as follows:

Answer: C. Feedback collected and analysed

File Description	Document
Any additional information	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/102770/1

2.Teaching-learning and Evaluation

2.1 Student Enrollment and Profile

2.1.1 Average percentage of students from other States and Countries during the last five years

Answer: 0.78

2.1.1.1 Number of students from other states and countries year-wise during the last five years

Answer:

2017-18	2016-17	2015-16	2014-15	2013-14
15	13	10	14	6

File Description	Document
List of students (other states and countries)	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/102770/2
Institutional data in prescribed format	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/102770/2
Any additional information	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/102770/2

2.1.2 Average Enrollment percentage

(Average of last five years)

Answer: 74.81

2.1.2.1 Number of students admitted year-wise during the last five years

Answer:

2017-18	2016-17	2015-16	2014-15	2013-14
237	289	429	467	508

2.1.2.2 Number of sanctioned seats year-wise during the last five years

Answer:

2017-18	2016-17	2015-16	2014-15	2013-14
516	516	516	516	516

File Description	Document
Institutional data in prescribed format	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/102770/2
Any additional information	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/102770/2

2.1.3 Average percentage of seats filled against seats reserved for various categories as per applicable reservation policy during the last five years

Answer: 80.73

2.1.3.1 Number of actual students admitted from the reserved categories year-wise during the last five years

Answer:

2017-18	2016-17	2015-16	2014-15	2013-14

| 203 | 245 | 319 | 321 | 349 |

File Description	Document
Institutional data in prescribed format	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/102770/2

2.2 Catering to Student Diversity

2.2.1 The institution assesses the learning levels of the students, after admission and organises special programs for advanced learners and slow learners

Answer:

2.2.1 The institution assesses the learning levels of the students, after admission and organises special programmes for advanced learners and slow learners.

The institution assesses the learning levels of student, after admission and organises special programmes for advanced learners. For advanced learner's mini projects such as robotics, glider and water rocket exhibitions. Basic classes on maths, physics and computers science is given for slow learners. A bridge course for students is conducted over a period of 10 days, which we conduct as an induction programme based on the orientation programme guide lines given by AICTE.For slow learners many initiatives are taken throughout the year for continuous improvement such as Tutorials, mind mapping techniques, evening coaching classes. U.G and P.G students are admitted to our institution through TNEA and TANCET based on a HSC examination and common entrance test respectively. After the students pass through the single window system and get admitted. Further students' academic performer are also measured and assessed through internal assessment exams, class room performance. If they are found lacking then the mentor system, special coaching classes. Extended lecture hours, practical and project demonstrations (if needed) are used as tools to improve their academic ethics.

Based on qualification examinations and internal assessment the learners are identified and they are motivated by senior faculty members of the college to get university rank. They are many special programs conducted for quick learners as well as slow learners to improve academic

and non-academic performance, placement higher studies, projects etc. ICT academy is in collaboration with the institution to improve the communication of the students, which is a key hindrance in improving the academic performance of students.

File Description	Document
Any additional information	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/102770/2

2.2.2 Student - Full time teacher ratio

Answer: 9.64

File Description	Document
Any additional information	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/102770/2

2.2.3 Percentage of differently abled students (Divyangjan) on rolls

Answer: 0

2.2.3.1 Number of differently abled students on rolls

Answer: 0

File Description	Document

Institutional data in prescribed format	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/102770/2

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

Answer:

2.3.1 Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experiences.

The institution is determined to continuously improve the learning, problem solving methodologies through a variety of activities such as, ICT Academy for improving communication providing value added course and software programmes. Apart from this many MOU's have been signed so that the students practical learning capability and real time problem solving methodologies in an industrial environment. Some of the firms that signed MOU's for civil engineering students are BIM, SPACE CADD. Similarly all programmes have their own specific MOU's. Centre of excellence such as IBM, AUTOCAD in the campus also contributes enormously towards the student centric methods of learning. Industrial visits, in plant training and Internships have played a vital role in the tremendous amount of exposure given to students on problem solving. Project works and model making are encouraged by the management and for axial, logistical support is extended to students at all levels.

Tutorial sessions serve as vital tool in understanding the problem solving methodologies. Experiential learning is insisted by the institution to students at their beginner level in first year of their degree, a special programme on fundamental laws and basic science is conducted by various departments on a common platform. The quality of teaching in laboratory classes are elevated through participative learning, where the faculty member explains the principle and basic theory behind each experiments and also make power point presentations and videos on the same experiment and then makes a demonstration. Further the students in group are allowed to complete the experiment on their own with the consent of the faculty concerned. ICTACT youth circle is organized every year aptitude skill of students are enhanced and tested. Further each student is made give a

speech in English for a session on daily basis. Internal symposiums are conducted by each department where the students exhibit his update in technological advancements in his domain.

Placement and training department of the institution is organizing various events and programs for all the students throughout the year which enables active participative learning. Wi-Fi enabled campus, and the digital infrastructure is being updated day to day for supporting all the aspects of experimental learning. Full-fledged library, with e-books, journals and vast titles of books also contributes on a large scale for improving the teaching learning process.

File Description	Document
Any additional information	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/102770/2

2.3.2 Percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources etc.

Answer: 0

2.3.2.1 Number of teachers using ICT

Answer: 0

File Description	Document
List of teachers (using ICT for teaching)	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/102770/2
Any additional information	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/102770/2

2.3.3 Ratio of students to mentor for academic and stress related issues

Answer: 9.64

> 2.3.3.1 Number of mentors
>
> Answer: 133

File Description	Document
Any additional information	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/102770/2

2.3.4 Innovation and creativity in teaching-learning

Answer:

2.3.4 INNOVATION AND CREATIVITY IN TEACHING LEARNING

Innovation and creativity are the two distinguished factors that is vital in imparting technology education to students. The quality study material prepared by our learned faculty members are interpreted and supported various tools such as LCD projector screens /overhead projectors /ICT enabled class rooms/smart class rooms / Audio setup DIGITAL CHARTS /MODELS etc. The institute is 100% enabled with smart classrooms, and other advanced teaching and learning technologies. Extensive use of digital NPTEL lecture materials has been insisted to faculty and students on day to day activities. WIFI enabled campus helps students in their educational requirements. All the study material and subject related document such as lesson plan ,question banks ,lecture notes are saved on college website for students reference .placement related activities like aptitude test , quiz program ,group discussion are also carried out online. Students are also encouraged to participate in symposiums, conference, workshops, project expo to understand continuously update recent innovations and trends in their respective domain.

For each course the faculty members are insisted to include at least 5 case studies which can enhance the creativity and innovation of the students in depth for each course. The case studies are documented in course portfolio prepared by each faculty and submitted to principal every semester. The communication skills lab is well equipped to cater the needs of the students in innovative and creative teaching-learning process towards LSRW skills.

Faculty members also take part in ICT Academy, Anna University, AICTE sponsored FDTP and other national and international technical events. Our student innovative projects have won prizes and have been displayed in reputed local media channels. Overall apart from chalk and talk methods and lab demonstrations, the digital infrastructure provided by the organisation helps both faculty and students in effective understanding and continuous improvement on technological advancements.

File Description	Document
Any additional information	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/102770/2

2.4 Teacher Profile and Quality

2.4.1 *Average percentage of full time teachers against sanctioned posts during the last five years*

Answer: 105.18

File Description	Document
Year wise full time teachers and sanctioned posts for 5 years	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/102770/
List of the faculty members authenticated by the Head of HEI	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/102770/

2.4.2 Average percentage of full time teachers with Ph.D. during the last five years

Answer: 5.96

2.4.2.1 Number of full time teachers with Ph.D. year-wise during the last five years

Answer:

2017-18	2016-17	2015-16	2014-15	2013-14
8	8	7	7	8

File Description	Document
List of number of full time teachers with PhD and number of full time teachers for 5 years	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/102770/2
Any additional information	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/102770/2

2.4.3 Teaching experience per full time teacher in number of years

Answer: 6.36

2.4.3.1 Total experience of full-time teachers

Answer: 846.25

File Description	Document
Any additional information	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/102770/2

2.4.4 Percentage of full time teachers who received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the last five years

Answer: 0

2.4.4.1 Number of full time teachers receiving awards from state /national /international level from Government recognised bodies year-wise during the last five years

Answer:

2017-18	2016-17	2015-16	2014-15	2013-14
0	0	0	0	0

File Description	Document
Institutional data in prescribed format	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/102770/2

2.4.5 Average percentage of full time teachers from other States against sanctioned posts during the last five years

Answer: 0

2.4.5.1 Number of full time teachers from other states year-wise during the last five years

Answer:

2017-18	2016-17	2015-16	2014-15	2013-14
0	0	0	0	0

File Description	Document
List of full time teachers from other state and state from which qualifying degree was obtained	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/102770/2

2.5 Evaluation Process and Reforms

2.5.1 Reforms in Continuous Internal Evaluation(CIE) system at the institutional level

Answer:

2.5.1: Reforms in Continuous Internal Evaluation (CIE) system at the institutional level

As a part of University prescribed assessment 3 internal assessments were conducted during the period between 2013 and 2015.

The pattern of assessments from 2016 was modified as follows:

- Unit wise assessment after the completion of each unit for one and half hours was introduced for timely checks.
- With the introduction of unit wise assessments, frequency of feedback from the students was substantially improved.
- Concentrated coaching on the weak areas of the students is identified and kick started.

- As best practice adoption, the assessment methodology is modified to align with Bloom's Taxonomy for better outcome.
- Post completion of unit 3, the topics under unit 1 & 2 is included along with unit 3 for a 3 hours Mini Model Exam with an objective of providing a revision to students.
- At the end of the semester, a 3 hour Model Exam is conducted on alternate days with one day available as study holiday for each exam. This pattern was implemented to provide adequate time for students to get prepared in each subject.
- The questions in assessments focus more on Key / complex concepts to enable the students to have better understanding and clarity which in turn help them to gain more confidence.
- Internal project reviews are conducted periodically to aid the students with timely guidance and support.
- The training modules and methods are reoriented based on the feedback received from the HRs during the campus drive. One day is allocated in a week for training the students from 3rdyear onwards, instead at 7th semester. Online assessments are conducted periodically to improve their aptitude skills and proficiency in language.

File Description	Document
Any additional information	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/102770/2

2.5.2 Mechanism of internal assessment is transparent and robust in terms of frequency and variety

Answer:

2.5.2 Mechanism of Internal assessment is transparent and robust in terms of frequency and variety

Being an affiliated Institution, the internal assessment is done in accordance with the rules laid by university during every regulation. As per university rules the studentsmust possess 75% attendance and good performance in three internal assessment tests as mandatoryparameters based on which the students earn their internal marks.

Marks earned by the students are reported through online to the university in cycles.

Cycle 1: Attendance of the students will be entered in University web portal for the first fortnight.

Cycle 2, 3 & 4: Attendance and assessment marksof the students will be entered in University web portal.

Cycle 5: Internal marks will be generated for 100 marks.

Anna university web page is a secured portal and the students can only view their internal scores through their individual logins. They get a chance to upgrade their learning level based on the marks scored in the internal assessment.

The attendance of the students along with the assessment scores will be notified to the parents through inland letters and the same will be displayed in the Department Notice Board.

Hall ticket will be issued to the students who possess minimum attendance of 75% in a semester and it will not be generated if the attendance is less than 75% as per the University norms.

As an exception, based on merit of the case, Principal can approve 10% attendance in addition to the actual attendance of the students on genuine medical grounds.

File Description	Document
Any additional information	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/102770/2

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

Answer:

2.5.3 Mechanism to deal with examination related grievances is transparent, time-bound and efficient.

In the beginning of every academic year, I year students are made aware of the examination norms pertaining to their regulation mentioned by Anna university. Any objection raised by students towards university results are addressed within 15 days from the date of publishing. Revaluation based on photocopies of answer scripts is reviewed by the concerned faculty and the forwarded to the university. If the student is still not satisfied with revaluation then based on the recommendation of HOD and Principal can apply for

Challenge which is the final process in case of results. All the important dates are communicated to students through proper circular from Principal office and also through all other forms of communication such as messages in registered student's mobile phones. If students raise objections or doubts towards the questions in university question paper after the examination, then the discrepancy is represented to the university through the online process in Anna university COE web portal. After verification by HOD's and Principal the internal assessment marks and attendance of students prepared by the class advisors are entered in the website. All the attendance and Internal marks entries are displayed to students through the student login in Anna university COE Web portal. University practical exam time table is prepared based on the slots given by Anna University and the given date and time are communicated to faculty members and students in prior.

In case of Natural calamities, the cancellation and postponement of exam dates are given by COE of Anna University to the Principal of the college. Then the information is passed on to students through HOD's and class advisor on time. Parents are made aware of Internal assessment marks through regular letters and university results of each student is also communicated to the parents via phone calls and letters. Every semester minimum of 3 letters per student is sent by the concerned department with HOD and Principal verification. TJSEC examination cell takes care of all issues, including provision of duplicate hall ticket, in university examinations and other unforeseen issues. Misconduct of the student in violation of rules stated by university is forwarded to COE for the next level of action. The university sends all communication to students through principal of the institution. Examination cell acts as a mediator between the COE, Anna University and the college examination cell.

File Description	Document
Any additional information	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/102770/2
Link for Additional Information	View Document (http://aucoe.annauniv.edu/)

2.5.4 The institution adheres to the academic calendar for the conduct of CIE

Answer:

2.5.4 The institution adheres to the academic calendar for the conduct of CIE.

Academic calendar is planned and prepared meticulously for every academic year in advance. The schedule is prepared based on the Anna university schedule given for affiliated colleges. The calendar prepared is based on number of working days given by the university. All the details in calendar resembles university calendar. The Academic council formed at the institution level prepares the calendar. Approval for the same is given by HOD's and Principal. Then calendar is circulated to all faculty members before the commencement of the semester. Students are also made aware of the schedule through circular and handbook.

Academic calendar includes

- Schedule of academic activities
- Internal assessment details
- Technical events
- Unit test
- List of holidays
- Extracurricular activities

COURSE PORTFOLIO includes

- Question bank
- 2 marks Q & A
- Assignment questions
- University question papers
- syllabus
- Lesson plan

Lesson Plan Indicates a clear step by step progress towards achieving syllabus completion, also explaining teaching methodology and outcomes monitoring the implementation is verified by the HOD's and Principal.

For conducting university laboratory exams the question paper are framed by the eminent panel members in Anna university and then the same is forwarded to the institution on the date of examination by the controller of examination in Anna university. Laboratory schedule is prepared batch wise and displayed on notice board, website and in corresponding labs as well. AMC (Academic monitoring committee) appointed by Principal monitors the progress of academic calendar as scheduled.

File Description	Document

Any additional information	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/102770/2

2.6 Student Performance and Learning Outcomes

2.6.1 Program outcomes, program specific outcomes and course outcomes for all programs offered by the Institution are stated and displayed on website and communicated to teachers and students

Answer:

2.6.1 Programme outcomes, programme specific outcomes and course outcomes for all programme offered by the institution are stated and displayed on website and communicated to students.

All the programme outcomes focuses on learning outcomes rather than curricular inputs. All five programmes in the institution has twelve common programme outcomes such as Engineering knowledge, problem analysis, design/development of solutions, conduct investigations of complex problems, modern tool usage, the engineer and society, environment and sustainability, ethics, individual and team work, communication, project management and finance, life-long learning. Based on these programme outcomes each department drafts its own programme specific outcomes which may be a minimum of two or a maximum of three. Based on the programme outcomes and programme specific outcomes the course outcomes of each courses in every programme is so framed that the attainment level is measured in terms of student performance in internal assessments with respect to the course outcomes of a course in addition to the performance in the university examination. Six course outcomes are stated for each courses in all programmes of the institution.

Programme outcomes, programme specific outcomes and course outcomes for all programme offered by the institution are stated and displayed on website and communicated to teachers and students. The college adheres to the curriculum provided by Anna University under 2017 regulation, it provides outcomes of the individual courses. The college vision, mission ,P.O,P.E.O,C.O are displayed in college website, handbook, prospectors, faculty logbook ,students notebook and record notes mapping of various departments vision ,mission is carried out. P.O's, P.SO's and PEO'S are displayed in prominent locations on and around the campus and various departments too.

File Description	Document
COs for all courses (exemplars from Glossary)	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/102770/2

2.6.2 Attainment of program outcomes, program specific outcomes and course outcomes are evaluated by the institution

Answer:

2.6.2 Attainment of program outcomes, program specific outcomes and course outcomes are evaluated by the institution

TJSEC is approved by AICTE, New Delhi and Affiliated with Anna University, Chennai. Being affiliated institutions the curriculum and its periodic Revision in regulation is given by Anna University. It includes subjects belonging to basic Science & Humanities, Professional Courses and its distribution in core and elective subjects.

The course attainment is evaluated through Bloom's Taxonomy of learning domains. Unit Tests, Mini Model, Model Exams are conducted. In order to attain th COs, PEOs and Pos slow learners and the student who score less than 70% are helped through remedial classes and retest. In addition to these tests, class tests, quizzes, objective tests are conducted to assess the attainment of COs.

The focus is on an all-round holistic development of each student. The Institution makes all efforts to provide. The focus is on motivating the students to equip themselves with skills so that they are ready to face the challenges of their professional life. Co-curricular and Extra-curricular activities, industrial visits & training programs, Guest/Expert lectures etc. are conducted in order to achieve some of the program specific outcomes which are not covered by the regular curriculum.

The CO attainment is calculated based on students' performance in various internal examinations and University examination in the scale of 1-3. It is observed that the attainment varies depending upon the difficulty level of the subject and may lie in the range of 1-2 for the subjects in the beginning of the program, which increases as students get accustomed to the Engineering curriculum and may lie in the range of 2-3 by the time they reach final semester.

The PO and PSO attainment are calculated for complete batch of students which progresses throughout the course of a particular program including Co-curricular and Extra-curricular activities and the project work. The attainment is calculated based upon the association level, i.e., low-moderate-high, of a particular course/ CO/ activity with respect to the PO or PSO in the scale of 1-3. The attainment level for POs and PSOs for most of the programs lie between 2 and 3.

File Description	Document
Any additional information	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/102770/2

2.6.3 Average pass percentage of Students

Answer: 73.53

2.6.3.1 Total number of final year students who passed the examination conducted by Institution.

Answer: 325

2.6.3.2 Total number of final year students who appeared for the examination conducted by the institution

Answer: 442

File Description	Document
Institutional data in prescribed format	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/102770/2

Any additional information	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/102770/2

2.7 Student Satisfaction Survey

2.7.1 Online student satisfaction survey regarding teaching learning process

Answer: 3.35 ▶

3.Research, Innovations and Extension

3.1 Resource Mobilization for Research

3.1.1 Grants for research projects sponsored by government/non government sources such as industry ,corporate houses, international bodies, endowment, chairs in the institution during the last five years (INR in Lakhs)

Answer: 0

3.1.1.1 Total Grants for research projects sponsored by the non-government sources such as industry, corporate houses, international bodies, endowments, Chairs in the institution year-wise during the last five years(INR in Lakhs)

Answer:

2017-18	2016-17	2015-16	2014-15	2013-14
0	0	0	0	0

File Description	Document

List of project and grant details	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/102770/3

3.1.2 Percentage of teachers recognised as research guides at present

Answer: 0

3.1.2.1 Number of teachers recognised as research guides

Answer: 0

3.1.3 Number of research projects per teacher funded, by government and non-government agencies, during the last five year

Answer: 0

3.1.3.1 Number of research projects funded by government and non-government agencies during the last five years

Answer: 0

3.1.3.2 Number of full time teachers worked in the institution during the last 5 years

Answer: 642

3.2 Innovation Ecosystem

3.2.1 Institution has created an ecosystem for innovations including incubation centre and other initiatives for creation and transfer of knowledge

Answer:

3.2.1: Institution has created an ecosystem for innovations including incubation centre and other initiatives for creation and transfer of knowledge

The institution is continuously trying to setup Incubation Centre at the college premises. In the year 2016-17, the institution applied for 'Atal Incubation Centre', but it was not selected. To create innovative thinking in the young minds, the college organizes every Value added Programme which ends with small projects to ensure novelty in every attempt. As a result of this practice, students have made more than 50 Robots, Temperature Control Unit for the Water Cooler to save power, and Automatic Light & Fan System in the corridors and the Classrooms. Students are encouraged to participate in all Project Expos conducted by various organizations. Students from 2 batches attended BAJA Automobile Contest in which one team has been short-listed in the event, designing E-Car. Every year, the number of students participating in 'HACKATHON' (conducted by AICTE) is increasing. The students are regularly mentored to participate in competitions where innovation is prominent to be shown.

3.2.2 Number of workshops/seminars conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices during the last five years

Answer: 1

3.2.2.1 Number of workshops/seminars conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices year-wise during the last five years

Answer:

2017-18	2016-17	2015-16	2014-15	2013-14
0	1	0	0	0

File Description	Document

| Report of the event | View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/1 |
| List of workshops/seminars during the last 5 years | View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/1 |

◄ ▮▮▮▮▮▮▮▮▮▮▮▮ ►

3.3 Research Publications and Awards

3.3.1 The institution has a stated Code of Ethics to check malpractices and plagiarism in Research

Answer: Yes

File Description	Document
Institutional data in prescribed format	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/102770/3

◄ ▮▮▮▮▮▮▮▮▮▮▮▮ ►

3.3.2 The institution provides incentives to teachers who receive state, national and international recognition/awards

Answer: No

3.3.3 Number of Ph.D.s awarded per teacher during the last five years

Answer: 0

3.3.3.1 How many Ph.Ds awarded within last five years

Answer: 4

3.3.3.2 Number of teachers recognized as guides during the last five years

Answer: 0

File Description	Document
List of PhD scholars and their details like name of the guide , title of thesis, year of award etc	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/102770/3
Any additional information	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/102770/3

3.3.4 Number of research papers per teacher in the Journals notified on UGC website during the last five years

Answer: 1.2

3.3.4.1 Number of research papers in the Journals notified on UGC website during the last five years

Answer:

2017-18	2016-17	2015-16	2014-15	2013-14
52	48	21	7	26

File Description	Document

List of research papers by title, author, department, name and year of publication	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/102770/3

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

Answer: 0.79

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

Answer:

2017-18	2016-17	2015-16	2014-15	2013-14
51	23	14	5	8

File Description	**Document**
List books and chapters in edited volumes / books published	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/102770/3

3.4 Extension Activities

3.4.1 Extension activities in the neighbourhood community in terms of impact and sensitising students to social issues and holistic development during the last five years

Answer:

3.4.1 Extension activities in the neighborhood community in terms of impact and sensitizing students to social issues and holistic development during last 5 years

 T.J.S Engineering College (TJSEC) not only excels in academics but also in other extension activities. The National Service Scheme (NSS) actively takes part in various activities organized by the Government authorities. The college organizes blood donation camp in association with Lions Club and Rotary Club on various occasions every year, in that occasion the students and faculty members voluntarily donate the blood to save lives. The College is organizing voter's awareness programme for the students on 25th January every year in association with local Taluk Office to insist the importance of voting and merit of possessing voter ID. Through this programme students are motivated to ensure the possession of voter ID by themselves, next to his eligible family members, neighbours in their street and village as a whole at the end. Rally is also conducted by considering it as social responsibility and also the students encouraged to enroll to get the voter id. To know the importance of road safety and traffic rules, the institution conduct Road Safety Awareness Programme to initiate and promote road safety measures among students, faculty members and community to reduce the number of road accidents and injury cases by applying road safety measures. The programme encourages all the citizens to follow traffic rules, wear helmets and seat belts while driving and also to make the people aware about the speed limits of Vehicles to prevent road accidents.

A rally for river is conducted in 2018 to save water bodies along with the Isha yoga foundation, Coimbatore. In 2018 to help Kerala recover from the damages cost by the flood, a fund is collected in the college and sent to Kerala to help the needy. Every year the students donate money to blind people organization. Flag Day is also celebrated in the college. Every year, programmes regarding environmental pollution are conducted and special lectures are given to the students to bring the knowledge of renewable energy and methods.

 To create the awareness of global warming, the College is conducting Tree Plantation in the college premises to understand the significance of tree plantation which prevents air pollution. To develop the humanity and social responsibility of the students, The College involves the students doing welfare activities.

During the festival times the students collect money and visit various orphanage homes and provide sweets, clothes, etc to the people. The students entertain the old age people and orphan children by singing songs,

performing skits in order to make them happy. "SAADHIKALAM VAANGA" & "SIGARAM THODU" programmes are organized by the college which helps the 10th, diploma and +2 students to choose the better courses. The programme also shows   the opportunities available in choosing different courses. Every year students are encouraged to support self help group people who stall their entire product for sale. This help to understand entrepreneur ability of people with various skill sets.

File Description	Document
Link for Additional Information	View Document (http://tjsec.in/NAAC-UPLOADS/CRI-3/3.4.1.pdf)

3.4.2 Number of awards and recognition received for extension activities from Government /recognised bodies during the last five years

Answer: 4

3.4.2.1 Total number of awards and recognition received for extension activities from Government /recognised bodies year-wise during the last five years

Answer:

2017-18	2016-17	2015-16	2014-15	2013-14
0	0	1	2	1

File Description	Document
Number of awards for extension activities in last 5 years	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/102770/3

Any additional information	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/102770/3

3.4.3 Number of extension and outreach Programs conducted in collaboration with Industry, Community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., during the last five years

Answer: 10

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

Answer:

2017-18	2016-17	2015-16	2014-15	2013-14
3	3	1	2	1

File Description	Document
Reports of the event organized	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/10
Number of extension and outreach programs conducted with industry,community etc for the last five years	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/10
Any additional information	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/10

3.4.4 Average percentage of students participating in extension activities with Government Organisations, Non-Government Organisations and programs such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the last five years

Answer: 7.77

3.4.4.1 Total number of students participating in extension activities with Government Organisations, Non-Government Organisations and programs such as Swachh Bharat, Aids Awareness, Gender Issue, etc. year-wise during the last five years

Answer:

2017-18	2016-17	2015-16	2014-15	2013-14
80	250	10	240	15

File Description	Document
Average percentage of students participating in extension activities with Govt or NGO etc	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/102770/3
Any additional information	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/102770/3

3.5 Collaboration

3.5.1 Number of linkages for faculty exchange, student exchange, internship, field trip, on-the-job training, research, etc during the last five years

Answer: 372

3.5.1.1 Number of linkages for faculty exchange, student exchange, internship, field trip, on-the-job training, research, etc year-wise during the last five years

Answer:

2017-18	2016-17	2015-16	2014-15	2013-14
78	92	66	94	42

File Description	Document
Number of Collaborative activities for research, faculty etc	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/102770/3
Copies of collaboration	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/102770/3

3.5.2 Number of functional MoUs with institutions of National/ International importance, Other Institutions, Industries, Corporate houses etc., during the last five years (only functional MoUs with ongoing activities to be considered)

Answer: 25

3.5.2.1 Number of functional MoUs with institutions of national, international importance, other universities, industries, corporate houses etc. year-wise during the last five years (only functional MoUs with ongoing activities to be considered)

Answer:

2017-18	2016-17	2015-16	2014-15	2013-14
3	7	6	1	8

File Description	Document

Details of functional MoUs with institutions of national, international importance,other universities etc during the last five years	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/1027

4.Infrastructure and Learning Resources

4.1 Physical Facilities

4.1.1 The institution has adequate facilities for teaching- learning. viz., classrooms, laboratories, computing equipment, etc.

Answer:

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

The institution has obligatory infrastructure required for effective teaching-learning process, Co-curricular and Extra- curricular activities. The Infrastructure has adequate facilities to fulfill the norms laid by AICTE and Anna University. The available facilities are enhanced by addressing the needs of students to support development activities. The facility of ICT tools helps to strengthen the teaching and learning process. The physical Infrastructure consists of 38 class rooms, 10 tutorial rooms, 28 laboratories, 2 Seminar halls, open auditorium, and play grounds. Moreover the Institute has supporting Academic and Administration rooms for UG and PG programs. Classrooms and seminar halls has LCD projector, Internet connectivity, well furnished furniture, Ventilation and Luminance.

All the departments conduct various activities to facilitate Teaching-Learning Process such as Seminars/Workshops ,FDTP, ,STTP, Conference, Symposium Guest Lectures, etc. Laboratories and equipments are regularly maintained and updated. The Workshop consist of different facilities for Mechanical based practicals.Like Machine, fitting, Carpentry, Welding black smithy and thin smithy shops. For Internet access and computing purpose, the Institute has 450 Computers connected in LAN with 40 Mbps Bandwidth. Computer laboratories are equipped with high-end servers with latest configuration.

Library has compilation of books, e-journals, journals, Web based resources, Audio/Video materials etc. With 100 seating capacity.

Exclusively, Training & Placement cell provides adequate Infrastructure for training. It has separate Seminar hall to carry out different activities of T&P such as Seminars, Interviews, Soft skill training and Workshops etc.

Sl. No.	Facilities	Total number	Total area in Sqm
1	Class rooms	10+10+2+2+5+5+2=38	(i)Main block Ist floor 10 rooms(828. (ii)Main block 2nd floor 10 rooms(80 (iii) Main block 2 ground Floor west (iv) Main block 2 first Floor west win (v) Main block 2 second Floor west (vi)Main block 2 first Floor east wing (vii) Main block 2 second Floor east wing(152.48 sqm)
2	Tutorial room UG	4	113B(38.33Sq.m),113C(38.33Sq.m)
3	Tutorial room PG	1	214(39.15Sq.m)

4	Labs	**5+8+5+5+5=28**	**CIVIL** (118,162.6,123,101.1,146.9,103.8) **MECH** (118,100.8,123.1,164,417.8,210.1,2 **CSE** (169.7,210.7,123.5,202.9,117.4) **ECE** (212.7,202.9,210.7,117.4,100.8) **EEE** (117.4,417.7,212.7,202.9,123.5)
5	Seminar halls	2	310(236.35Sq.m) 403B(72.89Sq.m)(UG) 404(72.89Sq.m)(UG) 405(75.70Sq.m)(PG) 406(75.70Sq.m)(PG)
6	Smart class rooms	38	(i)Main block Ist floor 10 rooms(828. (ii)Main block 2nd floor 10 rooms(80 (iii) Main block 2 ground Floor west (iv) Main block 2 first Floor west win (v) Main block 2 second Floor west (vi)Main block 2 first Floor east wing (vii) Main block 2 second Floor east wing(152.48 sqm)
7	Auditorium	1	3118 sqm
8	Workshop	1	602E(202.23Sq.m), 504(210.28Sq.r
9	Drawing hall	2	264 sqm

10	Computer center	5	Ist Floor 210.7 sqm, Ist Floor 117.4 sqm 2nd Floor 202.9 sqm, 2nd Floor 169.7 sqm 2nd Floor 123.5 sqm
11	Library	1+1(digital library)	407.31sqm
12	HOD's and Faculties room	10 and 5	50 sqm & 556 sqm

File Description	Document
Any additional information	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/102770/4

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

Answer:

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

The institution always encourages and supports the co-curricular and extra-curricular activities. The institute has also carried forward the legacy of society by promoting the co-curricular and extracurricular activities at their level. As part of this endeavor, the college has well established Sports Department, for effective and better coordination of various sports which is headed by Physical Director, Cultural Incharge for culturals and supported by the Student Sports and Cultural committees.

The college has the following Outdoor and Indoor sports and Cultural facilities.

Outdoor Games: Cricket, Football, Volleyball, Kabbadi and Hockey etc.,

Indoor games: Chess, Carrom, Gym and Yoga.

Cultural activities: Open Air Theatre, Cultural room and practice area.

Our students have earned applauds in the various competitions at University, State and National level sports and Cultural competitions, prominent among the students are University Inter collegiate sports competition etc.,

The students who participate at various sports and cultural events are paid transportation with food. The students who show excellent performance at University, State and National level competition are encouraged by the college by giving them tracksuits and sports kits. The student achievement is also acknowledged by felicitating them at Institute level functions. The College has a gymnasium at the boy's hostel with all the facilities Apart from participating in various sports and cultural event, the college organizes the following events every year:

1. Annual Sports meet,

2. Inter – Collegiate Sports and Cultural Competition.

3. Organizer for State level Inter-Collegiate tournament conducted by Anna University

College has a tie-up with Yoga and Meditation Centers to provide complete meditation classes for both students as well as staff on every Saturday in the last hour. Members of "**Heartfulness Voluntary Organization**" conduct the meditation program for our students and staff.

The Sports and Cultural Committees are actively involved in organizing the above events and the above events are organized by the students and for the students. The institute for the organization of various activities allocates a separate budget. Students are encouraged to get sponsorship for organizing the events.

The society and institute fully support and encourage various sports and cultural activities with the motto that every student should not only be academically fit but also physically fit to face the challenges of the society after they complete their education from the institute.

Sl.No	Available Sports Facility for	Year of Establishment	Number of Courts	Area allotted in Sq.mt	No. of Student participation	User Rate
1	Volley Ball	2015 - 2016	2	30*40mts	6+6	0.930
2	Kabaddi	2015 - 2016	1	13*8mts	7+5	0.930
3	Carom	2009 - 2010	5	5*10mts	4*5	1.550
4	Chess	2009 - 2010	5	5*10mts	2*5	0.775
5	Cricket	2009 - 2010	1	100*90mts	11+3	1.085

6	Foot ball	2009 -2010	1	110*90mts	11+5	1.240
7	Athletics	2009 - 2010	1	100*90mts	20	1.550
8	Gymnasium	2009 - 2010	1	10*3mts	15	1.162
9	Throw Ball	2015 - 2016	2	30*40mts	9+3	0.930

File Description	Document
Any additional information	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/102770/4

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

Answer: 56.52

4.1.3.1 Number of classrooms and seminar halls with ICT facilities

Answer: 26

File Description	Document
Number of classrooms and seminar halls with ICT enabled facilities	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/102770/4
any additional information	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/102770/4

4.1.4 Average percentage of budget allocation, excluding salary for infrastructure augmentation during the last five years.

Answer: 23.66

4.1.4.1 Budget allocation for infrastructure augmentation, excluding salary year-wise during the last five years (INR in Lakhs)

Answer:

2017-18	2016-17	2015-16	2014-15	2013-14
99.54	117.46	142.65	161.75	157.31

File Description	Document
Details of budget allocation, excluding salary during the last five years	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/102770/4
Audited utilization statements	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/102770/4

4.2 Library as a Learning Resource

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

Answer:

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

Library at T.J.S. Engineering College provides uncompromising information and intellectual requirements to its students and faculty members with a user friendly approach.Our college library have Open Access Catalogue for students and staff. The reading room is well furnished to accommodate students at a time and provides conducive environment for study. Exclusive reference section is available in the library. A visitor's book is maintained for students and staff. New arrivals of books and journals are displayed on separate stands and racks.Visitors are also required to sign noting the time of entry and exit. A well-equipped Digital Library having Internet connectivity is housed in the Central Library for access to E-Resources. Library is automated using Integrated Library Management System (ILMS) Library uses Efy Library Management System Software of version 1.0 fully automated from Year 2012. This module contains details regarding Book ID, Book Name, Author, Publisher, Year of Publication, Edition, Price, Total No of Pages, Department, Subject, Subject Code, Date of Purchase, Invoice Number, Book Type, ISBN & Vendor Details etc., All the data entered can be edited and can be updated, which gets stored. Library is having collections of e- journals and e- books. Library has a provision of access to e-journals, e-ShodhSindhu, e-Books. For this purpose a separate arrangement in Digital Library is made where students & staff can access, download, also they can listen to the video lectures with the help of audio-visual aids.

File Description	Document
Any additional information	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/102770/4

4.2.2 Collection of rare books, manuscripts, special reports or any other knowledge resources for library enrichment

Answer:

4.2.2 Collection of rare books, manuscripts, special reports or any other knowledge resources for library enrichment

Knowledge resources enrichment ensures library enrichment in the form of collection of 510 Educational CDs in the library. The CDs include technical lectures, videos and demos pertaining to subject areas such as Computer ScienceEngineering, Electronics and Communication Engineering, Mechanical Engineering, Electrical and Electronics Engineering & Civil

Engineering. The library has been provided with around 382 copies of rare books More than 12789 Volumes are available in the library. Near-about 3352 Titles are available in the library.

The Project report is a written evidence of tasks, processes and activities that are undertaken and accomplished by the students while pursuing their projects and implementing it.This report is an official document that reflects precise and concrete information about the different aspects of the project ranging from the overview, requirements, practical aspects, theoretical considerations, tasks furnished, outcomes gained, objectives listed, reports attached, abstracts, experiments and results, conclusions and recommendations to the implementation and scope of the project.Thus, a project report provides complete information about the project to the reader, and therefore, it is a mandatory document that must be submitted to the respective department heads after the successful completion and implementation of the projects.

The conferenceis to provide a multifaceted forum for discussion with researchers, engineers, students (UG & PG) and industrialists to promote research and technology .This brings all technocrats into single forum in order to discuss and debate on the innovative and intelligent designs along with proceedings on several topics. The proceedings of various conferences/workshop conducted at our college is collected and made availabel to students.

Library is having collection of rare books, project reports &conference proceedings which helps overall development of students and faculty.

File Description	Document
Any additional information	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/102770/4

4.2.3 Does the institution have the following:

1. *e-journals*

2. *e-ShodhSindhu*

3. *Shodhganga Membership*

4. *e-books*

5. *Databases*

Answer: A. Any 4 of the above

File Description	Document
Details of subscriptions like e-journals,e-ShodhSindhu,Shodhganga Membership etc	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/
Any additional information	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/

4.2.4 Average annual expenditure for purchase of books and journals during the last five years (INR in Lakhs)

Answer: 1.58

4.2.4.1 Annual expenditure for purchase of books and journals year-wise during the last five years (INR in Lakhs)

Answer:

2017-18	2016-17	2015-16	2014-15	2013-14
1.05	0.26	0.84	4.37	1.36

File Description	Document
Details of annual expenditure for purchase of books and journals during the last five years	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/102770/4

Audited statements of accounts	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/102770/4

4.2.5 Availability of remote access to e-resources of the library

Answer: Yes

File Description	Document
Any additional information	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/102770/4

4.2.6 Percentage per day usage of library by teachers and students

Answer: 9.19

> 4.2.6.1 Average number of teachers and students using library per day over last one year
>
> Answer: 130

File Description	Document
Any additional information	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/102770/4

4.3 IT Infrastructure

4.3.1 Institution frequently updates its IT facilities including Wi-Fi

Answer:

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

1. All the departments have LCD projectors, overhead projectors, printers and scanners.

2. The computers and printers of all the departments have software installed in them and the Hardware is also maintain from time to time.

3. The college website is monitored and updated from time to time.

4. The computers and printers of Administrative block and Computer Lab are connected in LAN.

5. The whole campus of the college has Wi-Fi facility with a speed of 40 mbps.

6. Number of system with configuration- 450

7. All computers have internet facility via Wi-Fi

8. The institute has software installed in English Language Lab, Computer Lab and Library

9. The institute have2seminarhalls.

10. All rooms having LCD for Power Point presentation of students.

11. All departments have computers, most of which have Internet facility via Wi-Fi for preparation of power point presentation as teaching learning materials

12. At UG and PG level, professors use Internet for providing notes to the students wherever required and necessary

13. The maintenance of computer, Internet Wi-Fi networking, and installation of software and maintenance and up gradation of hardware is done by every year.

14. Maintenance and up-gradation is done from time to time.

Updations in IT Facilities and Wi-FI.

S.No	Updations in Systems	Year of Updations
1	208 Systems updated from dual core to i5 processor in CSE Department	1
2	65 Systems updated fromi3 to XEZON Processor in Mechanical Department	1
3	36Systems updated in EEE Department	1

| 4 | 74 Systems updated from dual core to i3 processor in S&H Department for Communication Skills Lab | 1 |
| 5 | 67 Systems updated from time to time inECE Department | 1 |

Wi-Fi Access Points were installed in the following various locations.

S.No	Installed Location	DEVICE
1	Office	1
2	Principal Room	1
3	**Class rooms& labs**	20
4	Exam Cell	1
5	**Seminar hall**	2
6	**Boys hostel**	1
7	**Library**	1

File Description	Document
Any additional information	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/102770/4

4.3.2 Student - Computer ratio

Answer: 2.64

File Description	Document
Any additional information	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/102770/4

4.3.3 Available bandwidth of internet connection in the Institution (Lease line)

Answer: 35-50 MBPS

File Description	Document
Any additional information	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/102770/4

4.3.4 Facilities for e-content development such as Media Centre, Recording facility, Lecture Capturing System (LCS)

Answer: No

File Description	Document
Facilities for e-content development such as Media Centre, Recording facility,LCS	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/102770/4

4.4 Maintenance of Campus Infrastructure

4.4.1 Average Expenditure incurred on maintenance of physical facilities and academic support facilities excluding salary component, as a percentage during the last five years

Answer: 8.5

4.4.1.1 Expenditure incurred on maintenance of physical facilities and academic support facilities excluding salary component year-wise during the last five years (INR in Lakhs)

Answer:

2017-18	2016-17	2015-16	2014-15	2013-14
47.54	50.64	54.06	46.21	45.68

File Description	Document
Details about assigned budget and expenditure on physical facilities and academic facilities	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/102770/4
Audited statements of accounts.	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/102770/4

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

Answer:

4.4.2   **There are established systems and procedures for maintaining and utilizing physical, academic and support facilities laboratory, library, sportscomplex, computers, classrooms etc**

The college has appointed maintenance support staff and sub staff to look after the buildings, equipments and all other infrastructural facilities to maintain them in condition

Infrastructure related problems are attended by the maintenance staff under the supervision of the supervisor and the administrative officer

For Maintenance, cleaning, housekeeping   sanitary maintenance and cleaning of the classrooms, library, hostel buildings, mess, college canteen .Sub staff have been appointed to supervise them.

Centralized R.O plant for constant water supply   and power supply are maintained by technicians.

The laboratories are maintained by the lab instructor. The faculty members are responsible to maintain the computers and register the complaints. Installation is done in the lab area in the presence of the concerned lab in-charge.

Preferred location is identified for installation and computer specifications are identified for making the

required software compatible.

Lab-in-charges record the details of consumable and non-consumable equipment in respective registers.

Fire safety equipment is maintained in labs as precautionary measure.

The complaints are handled by the lab instructors and the system administrator. The systems are inspected and updated once in two months for the maintenance purpose.

Separate complaint register is maintained for various services like housekeeping, electrical, etc

The stock in the lab is verified for the available equipments and discarded equipments, by a meticulous stock verification process.

The purchase of new computers, printer, refilling etc is supervised by the department.

 Fire and safety equipment is maintained in labs for precautionary measure and maintenance

Before the commencement of every academic year, a lab audit is conducted and a report on the requirement of new equipment, replacement of the old equipment and modernization of machines/software is prepared and it is submitted to the Head of the Department for Approval.

Along with the requirement of consumables and non-consumables as per the university guidelines to conduct experiment, regular inspection of machines is organized.

LCD projectors, air conditioners and water coolers are maintained with the help of internal resources /external resources.

Computer labs and many of the major equipments like UPS, Server are well ventilated.

The classrooms are daily cleaned by the sweepers to maintain the cleanliness and neat ambience.

The classrooms are well ventilated which ensures the pleasant learning environment.

The campus has a library that has a good collection of printed journals, e-journals, volumes of books that supports to students and faculty

The library maintenance is updated with constant check.

Regular cleaning of racks, floors, keeping the quality of books and the annual purchase of books and journals are done.

The inventory of stock or stock verification is done at regular intervals.

The sports equipments are annually purchased and maintained by the physical education department.

The cleanliness of the playgrounds and play areas is maintained by the gardener and the staff.

Regular maintenance of garden, landscapes maintenance is ensured regularly.

The college has exclusive maintenance for pestcontrol, garden maintenance, housekeeping etc.

The college has well maintained lawns to improve the ambience in the campus.

The college has an efficient management to dispose the food waste so that it could be used as feed for   animals

File Description	Document
Any additional information	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/102770/4

5.Student Support and Progression

5.1 Student Support

5.1.1 Average percentage of students benefited by scholarships and freeships provided by the Government during the last five years

Answer: 65.49

5.1.1.1 Number of students benefited by scholarships and freeships provided by the Government year-wise during the last five years

Answer:

2017-18	2016-17	2015-16	2014-15	2013-14
879	1028	1145	1027	886

File Description	Document
Upload self attested letter with the list of students sanctioned scholarships	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/102770/5
Average percentage of students benefited by scholarships and freeships provided by the Government during the last five years	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/102770/5

5.1.2 Average percentage of students benefited by scholarships, freeships, etc. provided by the institution besides government schemes during the last five years

Answer: 0.15

5.1.2.1 Total number of students benefited by scholarships, freeships, etc provided by the institution besides government schemes year-wise during the last five years

Answer:

2017-18	2016-17	2015-16	2014-15	2013-14
4	3	3	1	0

File Description	Document
Any additional information	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/102770/5

5.1.3 Number of capability enhancement and development schemes –

1. For competitive examinations

2. Career counselling

3. Soft skill development

4. Remedial coaching

5. Language lab

6. Bridge courses

7. Yoga and meditation

8. Personal Counselling

Answer: B. Any 6 of the above

File Description	Document
Details of capability enhancement and development schemes	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/102770/
Any additional information	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/102770/

Link to Institutional website	View Document (http://tjsec.in/career-development-program/)

5.1.4 Average percentage of student benefited by guidance for competitive examinations and career counselling offered by the institution during the last five years

Answer: 18.71

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

Answer:

2017-18	2016-17	2015-16	2014-15	2013-14
1177	13	10	5	0

File Description	Document
Number of students benefited by guidance for competitive examinations and career counselling during the last five years	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/102770/5
Any additional information	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/102770/5

5.1.5 Average percentage of students benefited by Vocational Education and Training (VET) during the last five years

Answer: 0

5.1.5.1 Number of students attending VET year-wise during the last five years

Answer:

2017-18	2016-17	2015-16	2014-15	2013-14
0	0	0	0	0

File Description	Document
Details of the students benifitted by VET	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/102770/5

5.1.6 The institution has a transparent mechanism for timely redressal of student grievances including sexual harassment and ragging cases

Answer: Yes

File Description	Document
Details of student grievances including sexual harassment and ragging cases	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/102770/5

5.2 Student Progression

5.2.1 Average percentage of placement of outgoing students during the last five years

Answer: 37.19

5.2.1.1 Number of outgoing students placed year-wise during the last five years

Answer:

2017-18	2016-17	2015-16	2014-15	2013-14
190	222	293	55	22

File Description	Document
Self attested list of students placed	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/102770/5
Details of student placement during the last five years	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/102770/5
Any additional information	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/102770/5

5.2.2 Percentage of student progression to higher education (previous graduating batch)

Answer: 3.85

5.2.2.1 Number of outgoing students progressing to higher education

Answer: 17

File Description	Document
Upload supporting data for student/alumni	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/10277C
Details of student progression to higher education	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/10277C

5.2.3 Average percentage of students qualifying in State/ National/ International level examinations during the last five years (eg: NET/ SLET/ GATE/ GMAT/ CAT/ GRE/ TOEFL/ Civil Services/State government examinations)

Answer: 3.33

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

Answer:

2017-18	2016-17	2015-16	2014-15	2013-14
1	2	0	0	0

5.2.3.2 Number of students who have appeared for the exams year-wise during the last five years

Answer:

2017-18	2016-17	2015-16	2014-15	2013-14
15	20	10	10	10

File Description	Document
Upload supporting data for the same	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/102770/
Number of students qualifying in state/ national/ international level examinations during the last five years	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/102770/

5.3 Student Participation and Activities

5.3.1   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) during the last five years.

Answer: 4

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:

2017-18	2016-17	2015-16	2014-15	2013-14

| 0 | 0 | 0 | 2 | 2 |

File Description	Document
Number of awards/medals for outstanding performance in sports/cultural activities at national/international level during the last five years	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/1
e-copies of award letters and certificates	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/1

5.3.2 Presence of an active Student Council & representation of students on academic & administrative bodies/committees of the institution

Answer:

5.3.2 Presence of an active Student Council & representation of students on academic & administrative bodies/committees of the institution

1. **Class Representative:** In each class, a male and a female representative based on the academic performance are chosen and regular meetings are conducted during the commencement and at the end of the semester and also whenever it is required.

2. **Committee:** The following committees are formed and a Co-ordinator is selected for each committee. A frequent discussion is done to enable the committee function efficiently and to ensure that the students exhibit their communication skills, technical skills, excellence in sports, cultural activities, team work, and time management and also expected to build leadership qualities and confidence.
   1. Co-curricular Activities: To enhance the application of technical knowledge, it is aimed to motivate students to participate in symposium and in various competitions at college or inter college levels.
   2. Sports: Sports talents of the students are exhibited through their involvement in Inter college competitions. Students are also motivated to participate in various events in inter college

matches university sports meet, etc. and the winners are encouraged.

3. Cultural Meet: Competitions are conducted in the college to enhance the literary and other skills of the students, and to participate in various events organised by other university / colleges.

4. Hostel Committee: Meetings are conducted with hostel students regarding the services and facilities given to them whenever required

5. Anti-Ragging: A student from each department is selected for Anti-Ragging Committee to address any issues regarding ragging. This committee is also responsible for making the students well-aware of the consequences on involvement in ragging.

3. **Academic governance:**

1. Student Committee involves in governing the academics by giving their views in forming the academic calendar.

2. They work with Placement Cell and ensure that the placement information regarding companies, opportunities, skills, placement training is reached to all the students.

3. With the guidance of faculty advisors, Student Committee organizes workshops and seminars.

4. They are also a part of Editorial team in Newsletter and Magazines where they exhibit students' talents in writing poetry, painting, pictures, etc.

5. They ensure that the classroom learning is exhibited practically.

6. General awareness program like Traffic rules, Women Empowerment, Fire and Safety, etc., are organized for students to get a general exposure in handling them in day to day life.

File Description	Document
Any additional information	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/102770/5

5.3.3 Average number of sports and cultural activities/ competitions organised at the institution level per year

Answer: 31.2

5.3.3.1 Number of sports and cultural activities / competitions organised at the institution level year-wise during the last five years

Answer:

2017-18	2016-17	2015-16	2014-15	2013-14
30	29	31	33	33

File Description	Document
Report of the event	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/102770/5
Number of sports and cultural activities / competitions organised per year	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/102770/5
Any additional information	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/102770/5

5.4 Alumni Engagement

5.4.1 The Alumni Association/Chapters (registered and functional) contributes significantly to the development of the institution through financial and non financial means during the last five years

Answer:

5.4.1 The Alumni Association/Chapters (registered and functional) contributes significantly to the development of the institution through financial and non financial means during the last five years

Alumni Association is formed to establish a network of the college passed outs where they can stay in touch with the institution and share their resources in terms of financial and non financial means.

The graduates of our college have widely spread in many regions as professionals in search of knowledge and growth. They show outstanding performances in various domains and add credits to the institution, as it approaches a decade.

An Alumni Meet is organised at end of every academic year to celebrate and refresh old relationships. They go down the memory lane and have interactions with others. It is an unforgettable event and a moment of excitement as they get a chance to meet their friends, former teachers.

Alumni are engaged in academic progress:

1. Chief Guest: Alumni help to invite Chief Guest. Seminars and Guest Lectures are conducted to enhance the technical knowledge of the students in recent technology and to think beyond the subjects to excel in career.
2. Guest Lecture / seminar: Alumni are the appropriate resource people to give guest lectures on their respective domain or to conduct a seminar on any recent trends in technology.
3. Placement Activity: The institution is very proud to have a few alumni as entrepreneurs and a source of placement for the current academic students of the institution. Placement Cell can get feedback from them and make right decision in suggesting students to take appropriate training before attending the interviews.
4. Conference / Workshops: Alumni can also help to invite resource persons who have experience in technology or IT tools to conduct workshop / conference in order to strengthen the knowledge of the present students.
5. Visiting Faculty: Alumni can also be invited as Visiting Faculty for any subject as their skills and values can be a source of learning.
6. Alumni Meet: Office bearers are elected in every Alumni Meet to sustain their participation with the institution. It will be a significant event to the alumni to bring back their memories by interacting with others and to have a healthy relationship to elevate the institution to great heights and also to get moulded with immense values to serve the society.

File Description	Document
Any additional information	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/102770/5

5.4.2 Alumni contribution during the last five years(INR in Lakhs)

Answer: <1 Lakh

File Description	Document
Alumni association audited statements	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/102770/5

5.4.3 Number of Alumni Association / Chapters meetings held during the last five years

Answer: 5

5.4.3.1 Number of Alumni Association /Chapters meetings held year-wise during the last five years

Answer:

2017-18	2016-17	2015-16	2014-15	2013-14
2	0	1	1	1

File Description	Document
Number of Alumni Association / Chapters meetings conducted during the last five years	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/102770/5

Any additional information	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/102770/5

6.Governance, Leadership and Management

6.1 Institutional Vision and Leadership

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

Answer:

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

Vision

To empower the youth by developing their capabilities through quality education based on values.

Mission

- To promote education through a holistic manner to make them employable.
- To make them responsible citizens to participate in the advancement of the society.
- To make them contribute to the national growth and the world at large.
- To promote excellence, quality and relevance in the field of technology to suit the industry needs.

Our institution's vision is focussed on empowering the young minds by providing education which can impart the technical knowledge and skills of the students blended with human and social values.

The participation of Students, Faculties, HoD and Principal in the governance of the institution showcases effective leadership in all the activities to achieve the vision through the missions.

Student Level:

- Conduct of events like symposiums, conferences, cultural and sports etc.
- Involvement and coordination roles of students in all college activities, Committee/ Association activities

- Organization of community services through NSS, Rotaract club etc.
- Active participation in entrepreneurial ventures and placement initiatives

Faculty level:

- Freedom to take up academic pursuits and prepares lesson plan ,Notes of lesson, question bank, content beyond syllabus and prepares course file.
- Organizing industrial visits and workshops with respect to the curricular gap with respect to industrial needs
- Provide mentoring to students to build their confidence along with moral values.
- Taking the role of class advisors and taking care of that particular class in all academic related activities.
- Planning and execution of several department activities, budget, purchase etc
- Coordinating various committees like placement, ISO, Exam cell, Industrial Visit, In plant training, Value added course sports and cultural etc.
- Organizing College Day, Graduation Day, Independence Day, Sports Day and other functions.

Head of the Department:

- Planning, execution and monitoring the performance of the department

Principal:

- Heading all the administrative and academic activities of the Institution

All the faculty members are involved in all the activities of the College. The senior staff members are appointed as conveners of various committees. Various co-curricular and extra-curricular activities are conducted under the guidance of faculty members with student representatives. In this way the college grooms leaders at all levels in tune with institution vision and mission. The organisation chart shows the involvement of every individuals in fulfilling the objective of the institution.

File Description	Document
Any additional information	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/102770/6

Link for Additional Information	View Document (http://tjsec.in/vission-mission/)

6.1.2 The institution practices decentralization and participative management

Answer:

6.1.2 The institution practices decentralization and participative management.

Describe a case study showing decentralization and participative management in the institution in practice.

The institution believes in promoting a culture of decentralized and participative governance system. For example the head of the department along with various coordinators, decides on timetable, subject allocation, purchase and maintenance of equipment, consumables, organizing guest lectures and workshops and recommends necessary industrial visits, in-plant trainings, MoUs towards achieving the vision and mission. All academic and administrative activities are decentralized and decisions are taken based on discussion and deliberations in class committee meetings, department meetings, monthly faculty meetings and HoDs meeting with Principal.

Case study:

Arranging Industrial Visit by faculty Coordinator:

The institution believes that, industrial visits are part of the curriculum to understand the real time issues and application of technology in various industrial domains. The type of industry which has core relation to that particular semester in coherence with the courses of study is identified by the faculty coordinator. Then through Head of the Department (HoD) and Principal, a formal request letter will be sent to the industry concerned through E-mail and hard copy. After getting permission from the industry the faculty coordinator will get the concern from the parents and students in a standard format (undertaking). Before the day of visit, the students are given specific instructions if any and the objective of visit is discussed with the students. A request will be made to transport department and mess to provide the bus and food to the students through principal. Two faculty members will guide the students to the industrial visit along with one non teaching staff. After completing the industrial visit a detailed report will be submitted to principal.

File Description	Document
Any additional information	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/102770/6

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6.2 Strategy Development and Deployment

6.2.1 Perspective/Strategic plan and Deployment documents are available in the institution

Answer:

6.2.1 Perspective /Strategic plan and deployment documents are available in the institution.

Describe one activity successfully implemented based on strategic plan. The perspective/ strategic plan and deployment documents are available in the institution.

Perspective Plan for the development of college:

Projections for next 10 years

1. The following table indicating mobilization of funds for the proposed project at the time of establishment & for next 10 years at intervals of five years.

Academic year	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2017-18
Total amount in lakhs	402	443	668	668	400	530	530	430	430

1. The following table shows the creation of built up area (separately for Instructional, Administrative and Amenities) for the proposed project at the time of establishment & for next 10 years at intervals of five years.

Instructional area

Academic year	2008-10	2010-2012	2012-2014	2014-2016	2016-2018

Area in sqm	6280	8424	5316	5316	5316

Administrative area

. Academic year	2008-10	2010-2012	2012-2014	2014-2016	2016-2018
Area in sqm	702	936	936	936	0

Amenities area

. Academic year	2008-10	2010-2012	2012-2014	2014-2016	2016-2018
Area in sqm	1404	1872	1872	1872	0

1. The following table indicating the investment on equipment and machinery for the proposed project at the time of establishment & for next 10 years at intervals of five years.

Academic year	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2017-18
Equipment cost in lakhs	100	70	70	70	40	50	50	50	50

Strategic plan

- Enabling completely Wi-Fi campus with high speed internet along with high configuration computing facility.
- Creating separate infrastructure building facilities for instructional, administration and amenities
- Promoting and standardizing the ICT based teaching-learning processes and preparation of course modules, such as self-learning modules using modern educational technology.

- Creating an intense research ambiance in terms of establishing R&D centres that can execute R&D sponsored projects from funding agencies as well as to produce a good number of doctoral degree holders.
- Strengthen industry-institute interaction Improve consultancy services.
- Organizing international conferences and national conferences every year.
- Getting the status of Deemed- to- be- University.

Activity successfully implemented

The buildings for instructional administration and amenities were built. The institution started with a building facility of ground floor along with central workshop facilities. However the strategic plan was to build separate hostel buildings for both boys and girls. A two lane road with greenery landscaping along with a fountain at the front was completed within target date of four years. The second floor was additionally built to have sufficient class rooms for the additional courses and additional intake.

File Description	Document
Any additional information	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/102770/6

6.2.2 Organizational structure of the institution including governing body, administrative setup, and functions of various bodies, service rules, procedures, recruitment, promotional policies as well as grievance redressal mechanism

Answer:

6.2.2 Organizational structure of the institution including governing body, administrative setup, and functions of various bodies, service rules, procedures, recruitment, promotional policies as well as grievance redressal mechanism

The institute has an organisational structure and the governance is carried out as per the hierarchy which is showed in the organogram. The governing body is making the policies to achieve the institutional vision. Principal leads both academic and administrative set up in executing and implementing policies and strategic plans through various bodies as showed in the

organization chart. Faculties coming under heads of various departments play important role in exercising teaching learning environment. Different functional bodies (committees) are formed to make holistic education and take right decision. Everyone is aware of the roles and responsibilities which they need to take in governing the institution that pave way to make our institution reach great height in the field of education.

File Description	Document
Any additional information	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/102770/6

6.2.3 Implementation of e-governance in areas of operation

1. **Planning and Development**
2. **Administration**
3. **Finance and Accounts**
4. **Student Admission and Support**
5. **Examination**

Answer: B. Any 4 of the above

File Description	Document
Screen shots of user interfaces	View Document (https://assessmentonline.naac.gov.in/storage/app/he
ERP Document	View Document (https://assessmentonline.naac.gov.in/storage/app/he
Details of implementation of e-governance in areas of operation Planning and Development,Administration etc	View Document (https://assessmentonline.naac.gov.in/storage/app/he

6.2.4 Effectiveness of various bodies/cells/committees is evident through minutes of meetings and implementation of their resolutions

Answer:

6.2.4 Effectiveness of various bodies/cells/committees is evident through minutes of meetings and implementation of their resolutions

Every committee assigned with specific tasks pertaining to the requirements of conducting college functions. Heads of the committees monitor the works. A minimum of two meetings will be held prior to the function in the presence of Principal, HODs and Committee heads. The committees constituted are not permanent. Members are reshuffled for change of committees for different functions. This enables the members getting familiarized with any kind of activities related to any function. The conduct of functions fosters relationship and nurture unity.

Planning and Monitoring Committee: Planning for the improvement of infrastructure of the Institute, modernization of the laboratory, Research & Development and Institute Industry Interaction etc. Planning and monitoring of various activities related to department such as conducting Symposium, Guest Lectures, Workshop, and Conferences etc..

Discipline and Welfare Committee: Reviewing the Institution rules for student behaviour and its policy and practices in relation to discipline. Supporting the development of strategies designed to promote and encourage good student behavior.

Complaints & Redressal Committee: To accept the genuine grievances from the students and suggest remedial measures to solve in the stipulated period of time. The Grievance Redressal committee of the Institution shall monitor status and progress of Grievance Redressal and shall furnish report on Grievance Redressal position to the Principal.The committee ensures effective solution to the faculty / students grievances with an impartial and fair approach.

Anti Ragging Committee: To ensure compliance with the provisions of the anti-ragging regulations as well as the provisions of any law for the time being in force concerning ragging. To monitor and oversee the performance of the Anti-Ragging Squad in prevention of ragging in the Institution.

Calendar Committee: Maximize student attendance to support student learning. Propose a calendar that supports student participation in a wide range of college related activities industrial visit, symposium, conference, etc..

Magazine Committee: Each year, the College Magazine is launched. The purpose of the Magazine Committee will be to publish a regular magazine that highlights student concerns and activities. It will be a student-led publication, which is written by students, for students. The teacher-in-charge for the publication of Magazine will advice and guide where needed.

Sample of Minutes of Meeting of Graduation Day:

- Reception Committee: Receiving the Chief Guest and invitees
- Guard of Honour: Chief Guest will be given guard of honour by NCC contingent
- Helpdesk: Registration Work

- Stage Arrangement : Stage Decoration
- VIP Robe: To enable the guests getting robed for the ceremony
- VIP Hospitality: Taking care of the VIPs
- Award of Certificates: Distribution of certificates
- Catering Committee: Taking care of food services to graduates, parents and guests
- Transport Committee: Taking care of transport facilities as recommended in the minutes of the meeting
- Banners / Photography / Video, Press & Publicity: Bringing visibility and publicity
- Seating Arrangement & Discipline: confirming the participation (Announcements & Scheduling: Coordinating the program.

File Description	Document
Any additional information	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/102770/6

6.3 Faculty Empowerment Strategies

6.3.1 The institution has effective welfare measures for teaching and non-teaching staff

Answer:

6.3.1 The institution has effective welfare measures for teaching and non-teaching staff

The college is implementing various schemes for the welfare of the teaching and non teaching staff members.

The staff members are encouraged and given financial assistance to pursue higher education, to attend FDP in their field of interest, to attend and present research papers in National/International conferences, to publish research papers in refereed journals, to organize seminar, guest lecture, FDP for faculty members.

Orientation programs are conducted for the newly recruited faculty members once in a year to enhance their teaching ability.

Faculty members were appreciated and motivated for their performance by means of certificates and cash awards. The faculty members are encouraged to attend the seminars conferences as well as refresher courses organized by university and AICTE by providing on duty.

Cash awards and Appreciation certificates has been provided to the faculty members for their best performances in academic for providing 100% results. The faculty members were given on duty to attend or either participate as a resource person in the outside world.

Vacation for teaching and non-teaching staff members every semester, 12 Days casual leave per year, Free transportation and Food for both the teaching and non-teaching staff members.

Welfare measures for teaching staff

- Free transport facilities
- Waiver of fees upto for teachers' children in the Institution
- Medical leave and Maternity leave
- Supporting for education of the children of the teachers in the group institutions
- Marriage gifts with the sanction of one week leave
- Gifts and mementoes during Teachers' Day celebrations and ferstivals.
- Sponsoring for attending conference, workshops and FDPs
- Incentive for publication of papers / research articles
- Reward for producing University Ranks
- Cash awards for academic excellence / 100% pass
- Special Study Leave (SSL) to pursue higher education
- Family Get - togethers
- Free food facilities
- Group Insurance
- Welfare schemes for non-teaching staff
- Educational support to the children of the staff
- Marriage gifts with the sanction of one week leave
- Granting medical leave / maternity leave
- Free tansport facilities
- SSL for higher studies
- Incentive for attending orientation programmes, workshops and conferences
- Gifts during Teachers' Day celebrations
- Family Get - togethers
- Incentive for dress materials for non-teaching staff
- Incentive for vehicle utilization or transport allowance for non-teaching staff
- Incentive for dress materials for housekeeping staff
- Free food facilities for non-teaching staff

File Description	Document
Any additional information	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/102770/6

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

Answer: 0

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:

2017-18	2016-17	2015-16	2014-15	2013-14
0	0	0	0	0

File Description	Document
Details of teachers provided with financial support to attend conferences,workshops etc during the last five years	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSI
Any additional information	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSI

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6.3.3 Average number of professional development /administrative training programs organized by the institution for teaching and non teaching staff during the last five years

Answer: 0.2

6.3.3.1 Total number of professional development / administrative training programs organized by the Institution for teaching and non teaching staff year-wise during the last five years

Answer:

2017-18	2016-17	2015-16	2014-15	2013-14
0	0	0	1	0

File Description	Document
Details of professional development / administrative training programs organized by the Institution for teaching and non teaching staff	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/102770/
Any additional information	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/102770/

6.3.4 Average percentage of teachers attending professional development programs viz., Orientation Program, Refresher Course, Short Term Course, Faculty Development Program during the last five years

Answer: 16.62

6.3.4.1 Total number of teachers attending professional development programs, viz., Orientation Program, Refresher Course, Short Term Course, Faculty Development Programs year-wise during the last five years

Answer:

2017-18	2016-17	2015-16	2014-15	2013-14
42	50	4	14	1

File Description	Document
Details of teachers attending professional development programs during the last five years	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/102770/6
Any additional information	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/102770/6

6.3.5 *Institution has Performance Appraisal System for teaching and non-teaching staff*

Answer:

6.3.5 Institution has Performance Appraisal System for teaching and non-teaching staff

The management evaluates the performance of the faculty based on teaching, research, participation in teamwork, arranging co-curricular and extracurricular activities and publication works. They are awarded and appreciated during teachers' day celebrations. The appraisal system motivates the staff to excel and put forth the best of their efforts. Staff retention is one among the strengths of the institution.

The following factors are deeply analyzed in the appraisal system for teaching staff Experience Skill up gradation through participation in Conferences, Workshops, Faculty Development Programs.

- Research activities and obtaining patents
- Result percentage produced in the University Examination

- Publication works in the Scopus indexed / impact factor / e - journals & conference proceedings
- Publication of chapters in books and publication of books
- Carrying out sponsored projects
- Mentoring and Counseling methods
- Feedback from HOD and Principal
- Feedback from students
- Active participation in team work
- Undertaking new academic ventures and being team leads
- Attending specific conferences / workshops / training programs related to cells and clubs, for which they coordinate as team leads
- Awards and Rewards for being good academician – state and national level
- Community service through the institution and outside the institution
- Participation in conducting extracurricular activities

The following factors are deeply analysed in the appraisal system for non-teaching staff

experience

- Skill upgradation through Orientation Programs, Refresher Course, Short Term Courses and
- Faculty Development Programs
- Higher Studies
- Feedback from HOD and Principal
- Active participation in team work
- Work Discipline
- Outstanding Achievements in their studies
- Participation in Community services

Flow chart for the Appraisal Process:

Establishment of Faculty Performance Appraisal and Development System (FPADS)
Creating Awareness of FPADS to the Faculty
Self-Evaluation and Submission of Appraisal Performance Report (APR) by the Faculty at the end of the Academic Year
Discussion onAppraisal Performance Report (APR) with Faculty Members and Committee Members(HOD and Principal)
Suggestions and Corrective Actions by HOD/Principal to improve the Faculty Performance
Based on the APR score, the HOD and Principal Approve the Promotion and Increment Polices

File Description	Document
Any additional information	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/102770/6

6.4 Financial Management and Resource Mobilization

6.4.1 Institution conducts internal and external financial audits regularly

Answer:

6.4 Financial Management and Resource Mobilization

6.4.1 Institution conducts internal and external financial audits regularly

The audited income and expenditure statement for all the previous years are available with accounts section of the college. Thus audit plays an important role in controlling the finanicial activities. The financial resources of the institute are managed in a very effective manner. There is fully computerized accounts department in the institute. Each and every transaction is supported by the vouchers. All the collections are in the bank and all expenditures, recurring and non-recurring, are incurred through cheques. Only duly authorized persons can operate the bank account.

Internal Audit is performed by officials deputed from Trust office periodically and the reports are obtained which is normally done after the closure of the accounts in all respects. During the course of Internal Audit, all required steps are taken to regularize the accounts and to obtain confirmations for the credit balances, to collect documentary evidences wherever inadequate in respect of payments, compliances of T.D.S. and Statutory Formalities and Reconciliation of Unit wise balances with the Control Accounts and Bank Reconciliations. The copy of the Internal audit report covering all matters related to maintenance of accounts is preserved.

The consolidation of the findings of the Institutions with Trust office has been completed and the annual returns have been submitted to Income tax Authorities, Registrar of Societies, Tamil Nadu and to the other relevant authorities concerned.

File Description	Document
Any additional information	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/102770/6

6.4.2 Funds / Grants received from non-government bodies, individuals, Philanthropists during the last five years (not covered in Criterion III) (INR in Lakhs)

Answer: 0

6.4.2.1 Total Grants received from non-government bodies, individuals, philanthropists year-wise during the last five years (INR in Lakhs)

Answer:

2017-18	2016-17	2015-16	2014-15	2013-14
0	0	0	0	0

File Description	Document

Details of Funds / Grants received from non-government bodies during the last five years	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/102770/6

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

Answer:

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

Fee collected from students is the major source of the Institution. In addition management is funding for capital expenses like new building and major equipments required if any

Mobilization Fees Collections

Students are admitted as per the Tami Nadu Government prescribed Higher Education norms by admitting 65% of students through Anna University Counseling (TNEA) and 35% through Consortium of Self Financing Professional, Arts and Science Colleges in Tamil Nadu. The latter kind are admitted with the Fees higher than Government Quota students.

The optimal utilization of fund is as given below:

- For salary, arrears, & welfare measures
- For mandatory deposits, annual fee of statutory bodies/university, etc
- For creation and maintenance of academic infrastructure
- For purchasing of equipments and software
- For research and development
- For organization of International & National Conferences/Seminar
- For conduction of Curricular, Co-curricular, Extra-curricular and extension activities
- For recurrence expenses, etc.

File Description	Document
Any additional information	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/102770/6

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

Answer:

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

The Institute has started an internal quality assurance cell (IQAC) constituted based on the guidelines given by NAAC. Previously the quality of the Institute and its practices were elucidated in accordance with ISO. The main objective of this IQAC is to improve the overall quality of academic and administrative functioning and activities of the Institute in accordance with vision and mission. This committee will periodically review the outcome of various academic and administrative committees. This cell will play a significant role in strategic planning, formulating, standardizing and implementing various quality policies needed then and there.

IQAC is constituted for:

- Facilitating the creation of a learner-centric environment conducive to quality education through participatory teaching learning process.
- Monitoring and guiding activities of various committees.
- Channelizing and arranging for feedback response from students, parents, employers and other stakeholders on quality-related institutional practices.
- Monitoring the organizationofinterandintrainstitutionalworkshops,seminarsonqualityrelate themes and promotion of quality circles.
- Monitoring the developmentandmaintenanceofinstitutionaldatabaseforthepurposeof maintaining /enhancing the institutional quality.

Preparation of the Annual Quality Assurance Report (AQAR) as per guidelines and parameters of NAAC, to be submitted to NAAC

File Description	Document
Any additional information	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/102770/6

6.5.2 The institution reviews its teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals through IQAC set up as per norms

Answer:

6.5.2 The institution reviews its teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals through IQAC set up as per norms

The institute received ISO 9001:2008 certification. The teaching learning processes were monitored and examined by ISO audit committee. The process starts with preparation of academic calendar before commencement of each semester. Subject allotment will be based on previous experience and faculty competency. Each faculty will prepare a lesson plan to the course allotted to them along with notes of lesson. The course file is verified by the HoD and Principal for its compliance. The syllabus coverage is verified with the help of class log book and faculty log book once in a week by principal and daily by HoDs and class advisors. The effectiveness of the teaching learning process is assessed by internal tests conducted. The result analysis will reveal the attainment level of the course outcome. The slow learners and fast learners will be identified based on the result analysis. Slow learners will have an additional tutorial classes and fast learners will be mentored to take up the participation in various activities like presenting a seminar, doing assignments, carrying out mini project and participating in national level competitions etc,. Class committee meeting are regularly conducted to review the teaching learning process for every individual class. The minutes of the CCM is submitted to principal for further action if any needed. The feedback is collected from the students regularly to identify any lapse in the course taught. Faculty members having poor competency will be asked to attend faculty development programme on the particular course they taught. Faculties are encouraged to use Blooms Taxonomy and pedagogic teaching techniques for high impact teaching skills.

File Description	Document
Any additional information	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/102770/6

6.5.3 *Average number of quality initiatives by IQAC for promoting quality culture per year*

Answer: 0

6.5.3.1 Number of quality initiatives by IQAC for promoting quality year-wise for the last five years

Answer:

2017-18	2016-17	2015-16	2014-15	2013-14
0	0	0	0	0

File Description	Document
Number of quality initiatives by IQAC per year for promoting quality culture	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/102770/6

6.5.4 *Quality assurance initiatives of the institution include:*

1. *Regular meeting of Internal Quality Assurance Cell (IQAC); timely submission of Annual Quality Assurance Report (AQAR) to NAAC; Feedback collected, analysed and used for improvements*

2. *Academic Administrative Audit (AAA) and initiation of follow up action*

3. Participation in NIRF

4. ISO Certification

5. NBA or any other quality audit

Answer: D. Any 1 of the above

File Description	Document
e-copies of the accreditations and certifications	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/102770/
Details of Quality assurance initiatives of the institution	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/102770/

6.5.5 Incremental improvements made during the preceding five years (in case of first cycle)

Post accreditation quality initiatives (second and subsequent cycles)

Answer:

6.5.5: Incremental improvements made during the preceding five years

There are many number of quality enhancement initiatives being taken continuously. They were successfully implemented and showing a positive response. The following paragraphs will showcase glimpses of initiatives successfully implemented in academic and administrative domains.

Academic Improvement

Faculties are encouraged to attend course related Faculty Development Programmes (FDP) in every semester. They were constantly motivated for pursuing their higher education like Ph.D., PDF(Post Doctoral Fellowship), etc., Financial assistances provided by the institution for attending International and national level conferences, workshops and short term training programmes. Quality enhancement of faculty is also made through sending them, professional certificate courses conducted by industries.

The Teaching learning process is improved by adopting pedagogy techniques assisted with ICT. To enrich knowledge to the faculty and students community, central library has made available with e-learning facilities like NPTEL, e-journals for all the disciplines.

Regular Internship was arranged to the students to strengthen their subject knowledge and to facilitate a real industrial working environment. In-plant trainings for a week to a month are provided to the students in every semester. A couple of industrial visits are arranged twice in an academic year. To improve the skill set hands on training as workshops being arranged. Several MoU's signed between the industries and institutions with regard to this. Certificate courses were conducted to provide a value addition to the academic strength of the students.

Internal Technical symposiums are organized to gear up the confidence level and the presentation ability of the students which in turn help them to organize national level technical symposiums and conferences. Participation in national level technical symposiums and national conferences are encouraged. The inherent innovative talents of the students were triggered by organizing project expo and sending them to participate in national level project expo competitions.

As a part of curriculum, mini projects were done by students which elucidate the design and fabrication skills. Regular guest lecturers were arranged by individual departments to get the knowledge sharing by the experts from different sectors of industries.

Soft skill training was provided to improve the employability of the students. Special attention is focused to improve the communication skills by arranging special training programmes to face the interview. Several initiatives being taken by the Training and Placement Department like specialised placement training and project based placement training to improve the employability of the students.

An active Entrepreneurship Development Cell organizing camps, guest lecturers, trainings to allow them are pursuing their dreams along with a sense of direction in Entrepreneurship. It facilitates the students to implement their ideas into start-up through various stages.

Administrative Improvements

Our college infrastructure is keep on growing with respect to change in requirements. Spacious lecture halls, fully air-conditioned seminar halls, Wi-Fi facility, homely environment hostel facility, best physique practicing Gym facility etc., are some of them. The administrative accounts department introduced the fee payment system from cash to online payment / swiping machine system. Tally is being used for office administration.

New computers are added to the existing in the computer lab wherever the syllabus was revised, which requires higher configuration. The components in the electrical and electronics labs are replaced with the upgraded ones to keep on par with the updated syllabus. The Civil and Mechanical lab facilities are used for consultancy services in testing of materials and fabrication. New machineries are also added to the existing Labs. Students are using latest facilities for their development of innovative projects.

Our transportation department is providing bus facility to our students. This year the limited bus routes are expanded to all the bus routes, especially covering the rural area bus routes. The physical education department is provided with all sports facilities. The inspiring sports students are motivated and trained to reach their sports achievements.

The cultural committee is providing the arts practicing environment with full of musical, cultural instruments. Those students are allowed for practicing their arts in intra / inter college competitions.

Initiations have been taken to reduce the stress levels of the students and to improve the IQ level through Yoga which was organized weekly by the professionals. To impart the human values and social etiquette, programs like blood donation camp, rally for river, voter's awareness camp, fire safety camp are organized regularly.

A dedicated housekeeping and landscaping team makes the environment clean and greenery which creates a pleasant mindset. A high genie food is served to all the incumbents of the institution along with RO treated water. Hot water from solar water heater supplied to both men and women hostels.

File Description	Document
Any additional information	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/102770/6

7.Institutional Values and Best Practices

7.1 Institutional Values and Social Responsibilities

7.1.1 Number of gender equity promotion programs organized by the institution during the last five years

Answer: 4

7.1.1.1 Number of gender equity promotion programs organized by the institution year-wise during the last five years

Answer:

2017-18	2016-17	2015-16	2014-15	2013-14
1	0	0	2	1

File Description	Document
Report of the event	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/102770/7
List of gender equity promotion programs organized by the institution	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/102770/7
Any additional information	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/102770/7

7.1.2

1. Institution shows gender sensitivity in providing facilities such as:

   1. Safety and Security

   2. Counselling

   3. Common Room

Answer:

7.1.2 Institution shows gender sensitivity in providing facilities such as:

The construction, planning of the college building is done in such a way that it provides a safe, secure and conducive   workandacademic environment to the students and the employees. The college is extremely alert to matters pertaining to any kind of harassment and gender sensitivity. The college timing is 8.30AM -3.40 PM, In case of any special classes to be conducted beyond college hours students are transported up to their nearby locations by college vehicles. Main gates are guarded and entry points are

screened.The institution has its own security agency posted in different locations. Boysandgirls are provided with separate hostel and wardens. Hostel Wardens will reside inside the campus for easy approachability during emergencies. There is a spacious common room in the hostel and inside the campus are provided for students. The hostel, provides all the students a safe and comfortable environment and a Zero ragging and a No Smoking Zone. Vehicles and people are examined at entry as well as exit points.A complaint box has been installed on the premises of the college to ensure redressal of grievances. Inside the college campus rest room for girl students are located near ECE, CSE department where girl students are major in population. Male toilet is placed near mechanical department.The girl students are assured of their well-being, safety, security and mental health and are encouraged to approach any faculty.Counselling is done on periodic basis for all issues pertaining to students. In each department for every 20 students one faculty counsellor is appointed who help the students in academics, co and extracurricular activities and personal matters like general disinterestedness in studies, ward- parent , mental stress, depression, and student-faculty relationships, failing in examinations, personal losses etc.

7.1.3 Alternate Energy initiatives such as:

1. **Percentage of annual power requirement of the Institution met by the renewable energy sources**

Answer: 0.06

7.1.3.1 Annual power requirement met by the renewable energy sources (in KWH)

Answer: 1

7.1.3.2 Total annual power requirement (in KWH)

Answer: 1720

File Description	Document
Details of power requirement of the Institution met by renewable energy sources	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/102770/7
Any additional information	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/102770/7

7.1.4 Percentage of annual lighting power requirements met through LED bulbs

Answer: 15.79

7.1.4.1 Annual lighting power requirement met through LED bulbs (in KWH)

Answer: 12

7.1.4.2 Annual lighting power requirement (in KWH)

Answer: 76

File Description	Document
Details of lighting power requirements met through LED bulbs	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/102770/7

| Any additional information | View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/102770/7 |

7.1.5 Waste Management steps including:
- ***Solid waste management***
- ***Liquid waste management***
- ***E-waste management***

Answer:

7.1.5 Waste Management steps including:

Solid Waste Management:

The institution takes all the measures required to ensure that the campus is free of plastic items and other wastes that harm the environment. The solid waste generated in the campus are paper waste from day to day activities, and food waste from canteen. The waste is reduced at the source, further the paper waste is collected and sent to "ITC" a recycling vendor and the waste papers are replaced by normal A4 sheets. Usually a minimum quantity of food waste is generated and that too is donated to nearby orphanages and also is fed to some domestic animals in villages. Dried leaves and plant chopping are collected and disposed properly and is also used as an organic manure.

Liquid Waste Management:

The sources of liquid waste, inside the campus are sullage from canteen, sewage inside the campus and waste water from R.O plant. Sullage is treated by natural oxidation disposed to nearby agricultural land. Sewage is collected in septic tank where it undergoes anaerobic decomposed and which is disposed off through collecting trucks. Waste water from R.O. plant is reused for gardening.

E-Waste Management:

All Electronic waste like CPU's, Hard disks, Laboratory Equipment scrap is sent to JDAG – E waste management company located in Thiruvallur district. Once the computers get expired, they are collected from different locations of the campus by designated technicians.The irreparable are inspected by the authorities and it's open fordisposal through contractors or vendors for reuse / recycling purpose.

File Description	Document
Any additional information	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/102770/7

7.1.6 Rain water harvesting structures and utilization in the campus

Answer:

7.1.6 Rain water Harvesting

Rain water Harvesting is one of the important initiatives taken for the conservation of water resources and recharge of underground water table. Considering the importance of the system in our campus rain water harvesting is implemented over the available built up area, especially in the open terrace all-round the campus. The total college campus occupies 44596 sq m of green land. The built in area used for construction of buildings and facilities is only 21067 sq m. That is only 28% of green land is occupied by buildings.The open spaces are not paved with impermeable materials hence direct percolation of rainwater after the surface run off takes place naturally which in turn increases the ground water level.

The rain water collected from the open terrace of the building was collected and conveyed through proper conduits provided on all corners of the terrace which is further passed onto the sump and to the natural underground water table. The building construction plan facilitates the details of rainwater harvesting layout. The total runoff water during heavy rains was sent to the nearby channel which is then utilized for irrigation of the agriculture fields available beside the campus. The rainwater harvesting facility was made mandatory for all new buildings in the state of Tamilnadu since 2001. As per the state government guide lines the rain water harvesting installations were constructed and well maintained in our campus since 2009.

File Description	Document
Any additional information	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/102770/7

7.1.7 Green Practices
- *Students, staff using*
a) *Bicycles*
b) *Public Transport*
c) *Pedestrian friendly roads*
- *Plastic-free campus*
- *Paperless office*
- *Green landscaping with trees and plants*

Answer:

7.1.7 GREEN PRACTICES

The Institute is quite aware of its role towards the environmental consciousness and hence the institute is following the various green practices for the same.

The college campus about 11.02acres. There are more than 500 trees in the college. The green patch of the campus included well maintained in the gardens, plants and trees. Tree Plantation and maintenance is the major practice of the institute to maintain the pristine, purity and aesthetic beauty of the institute to provide a congenial atmosphere of the academic and non-academic pursuits. Organic vegetation, Fruits and flowers are grown in the campus to promote healthy living. The Institute has pedestrian path on both side of road within the campus. Pedestrian roads are widely used by faculty and students. The college has its own bus facility for transportation. Transport department functions in the institute to provide transport facility to student and staff from different destination. Students only 10% use bicycle that are staying around the college. The Institute provides a separate corner for parking bicycles used by some of the students. Plastic Items are strictly not allowed in the campus. Steel Plate, Steel Glass or Crystal Glasses are used in the College Canteen instead of Plastic plates and cups. Paper bags are widely used at the time of events. Enterprise Resource Planning (ERP) Software is a step towards e-governance. ERP consists of all student data related to their personal and curriculum profile and the software can generate various types of report related to student. e-notes are provided to students by staff to minimize the usage of papers. Most of the communications are done by sending mails among the staff members. Circulars and notifications are sent by using electronic methods such as mail and social networking sites. Hi Speed Internet Wi-Fi facility is available for paper free practice. Students successfully invented E-bike project as we running out of petroleum products, it is useful for our society and safe for our future generation and also we applied Pattern write for this innovation.

7.1.8 Average percentage expenditure on green initiatives and waste management excluding salary component during the last five years

Answer: 0.15

7.1.8.1 Total expenditure on green initiatives and waste management excluding salary component year-wise during the last five years(INR in Lakhs)

Answer:

2017-18	2016-17	2015-16	2014-15	2013-14
1.28	0.88	1.30	0.34	0.50

File Description	Document
Details of expenditure on green initiatives and waste management during the last five years	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/102770/)
Any additional information	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/102770/)

7.1.9 Differently abled (Divyangjan) Friendliness Resources available in the institution:

1. *Physical facilities*
2. *Provision for lift*
3. *Ramp / Rails*
4. *Braille Software/facilities*
5. *Rest Rooms*
6. *Scribes for examination*
7. *Special skill development for differently abled students*
8. *Any other similar facility (Specify)*

Answer: E. None of the above

File Description	Document
Resources available in the institution for Divyangjan	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/102770/7

7.1.10 Number of Specific initiatives to address locational advantages and disadvantages during the last five years

Answer: 1

7.1.10.1 Number of specific initiatives to address locational advantages and disadvantages year-wise during the last five years

Answer:

2017-18	2016-17	2015-16	2014-15	2013-14
1	0	0	0	0

File Description	Document
Number of Specific initiatives to address locational advantages and disadvantages	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/102770

7.1.11 Number of initiatives taken to engage with and contribute to local community during the last five years (Not addressed elsewhere)

Answer: 3

7.1.11.1 Number of initiatives taken to engage with and contribute to local community year-wise during the last five years

Answer:

2017-18	2016-17	2015-16	2014-15	2013-14
2	1	0	0	0

File Description	Document
Report of the event	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/102770/7

7.1.12

Code of conduct handbook exists for students, teachers, governing body, administration including Vice Chancellor / Director / Principal /Officials and support staff

Answer: Yes

File Description	Document
URL to Handbook on code of conduct for students and teachers , manuals and brochures on human values and professional ethics	View Document (https://www.annauniv.edu/cai/statutesandregulation.pdf)

7.1.13 Display of core values in the institution and on its website

Answer: Yes

File Description	Document

| Provide URL of website that displays core values | View Document (http://tjsec.in/about-tjs/) |

7.1.14 The institution plans and organizes appropriate activities to increase consciousness about national identities and symbols; Fundamental Duties and Rights of Indian citizens and other constitutional obligations

Answer: Yes

File Description	Document
Details of activities organized to increase consciousness about national identities and symbols	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/102770
Any additional information	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/102770

7.1.15 The institution offers a course on Human Values and professional ethics

Answer: Yes

File Description	Document
Any additional information	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/102770/7
Provide link to Courses on Human Values and professional ethics on Institutional website	View Document (http://cac.annauniv.edu/PhpProject1/aidetails/afug_2

7.1.16 The institution functioning is as per professional code of prescribed / suggested by statutory bodies / regulatory authorities for different professions

Answer: Yes

File Description	Document
Any additional information	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/102770/7
Provide URL of supporting documents to prove institution functions as per professional code	View Document (https://www.annauniv.edu/cai/statutesandregulation.

7.1.17 Number of activities conducted for promotion of universal values (Truth, Righteous conduct, Love, Non-Violence and peace); national values, human values, national integration, communal harmony and social cohesion as well as for observance of fundamental duties during the last five years

Answer: 4

7.1.17.1 Number of activities conducted for promotion of universal values (Truth, Righteous conduct, Love, Non-Violence and peace); national values, human values, national integration, communal harmony and social cohesion as well as for observance of fundamental duties year-wise during the last five years

Answer:

2017-18	2016-17	2015-16	2014-15	2013-14
2	1	1	0	0

File Description	Document
List of activities conducted for promotion of universal values	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/102770/7
Any additional information	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/102770/7

7.1.18 Institution organizes national festivals and birth / death anniversaries of the great Indian personalities

Answer:

7.1.18 Institution organizes national festivals and birth / death anniversaries of the great Indian personalities.

1. Republic Day is celebrated on 26th January every year with great enthusiasm. Variousprogrammes are conducted after flag hoisting in the college.
2. Every year in the month of January the institution celebrating the samathuvaPongal.
3. Independence Day is celebrated on 15th August every year with great zeal.
4. On 15th October the college celebrate Dr. A. P. J. Abdul Kalam birthday as Students' Day with great fervour.
5. Gandhi Jayanti as a national festival is celebrated in the college to mark the birth anniversary of Mohandas Karamchand Gandhi, on 2ndOctober.
6. The institution celebrates Engineer's day on 15th September every year as a remarkable tribute to the greatest Indian Engineer Bharat RatnaMokshagundamVisvesvaraya.
7. The college celebrates teacher day on 5th September, Dr. SarvepallyRadhakrishnan birthday. Students celebrate the day by felicitating the teachers on this day.

File Description	Document
Any additional information	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/102770/7

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7.1.19 The institution maintains complete transparency in its financial, academic, administrative and auxiliary functions

Answer:

7.1.19: The institution maintains complete transparency in its financial, academic, administrative and auxiliary functions

Staff, students and the stakeholders enjoy the association with the institution due to its transparency in entire process of academics and administration.The college administration is always pleased and enthusiastic in extending complete support for the overall progress of the student.

Transparency in financial functions: The institution has developed plans for organizing resources and ensures transparency in financial management of the institution. Budgeting and best utilization of finance as well as mobilization of resources are the significant issues handled by the Management. There are established procedures and processes for planning and allocation of financial resources which leads to effective &well-organized use of financial resources.

Transparency in academic and administrative functions: The functions of the institution and its academic and administrative units are administered by the principles of participation and transparency. Preparation of development goals, directives and guidelines with definite plans for implementation by aligning the academic and administrative features improves the overall quality of the institutional provisions. All the decisions related to effective administration are taken through meetings of various committees and the recommendations are implemented. This exhibits the administrative transparency of the college. The stakeholders like alumni, parents and society at large, are actively associated with the college due to the efforts of inculcation of human values, professional ethics and development of the society with complete transparency. The formal and informal arrangements in the institution to co-ordinate the academic and administrative planning and implementation reflects the institution's efforts in achieving its vision, mission and goals and also builds the organizational culture.

7.2 Best Practices

7.2.1 Describe at least two institutional best practices (as per NAAC Format)

Answer:

7.2 Best Practices

Best Practice I

Title of the Practice

Evaluation Practices

Objective of the Practice

"To make every student excels in their subject". It is expected that every student should learn their subjects by understanding the concepts, and the development should be reflected in their performance in the University examinations. Hence, making students to get good marks in the examinations with constant academic improvement is focused.

The Context

One of the challenging issues faced by the institution while practicing this method is that conducting regular tests, evaluating, and arranging for re-test may affect the completion of the syllabus since it consumes the time of the class hours. To overcome this challenge, it becomes obvious to work extra hours. So that special classes are held in the evenings or in the weekends to conduct the tests.

The Practice

The institution practices its unique method of evaluating students. To assess the performance of the students, tests are regularly conducted and the performance level of the students is reviewed based on their marks in the unit tests. Once the unit is completed, the students have to write unit test. The questions for the unit test would be designed as per the Bloom's Taxonomy. It helps the students to understand the subject and to develop confidence in facing examinations. The students who get below 70% in the unit test need to write the re-test. In the re-test it is mandatory for them to get more than 70%. Through this practice, the slow learners can improve their performance in the university examinations.

There are some constraints in this Evaluation Practice. Students who don't regularly attend the classes or the students who absent themselves in the unit test or the re-test cannot be properly evaluated. In such cases, special tests are needed to evaluate their performance. And also, at times some students may consider the unit test with less vivaciousness by thinking that they can write the re-test.

Evidence of Success

The impact of this Evaluation Practice is reviewed based on the improvement in the performance of the students in the unit tests. It is ensured that the level of each student is increased with every test. The success of this practice is reflected in the university examinations. The ranking place of the college has tremendously been increased in the last 3 years. At first the college has got 163rd rank, in the year 2018 the college has been ranked in 58th place among the 530 colleges which come under Anna University.

Problems Encountered and Resources Required

It is difficult to evaluate the students who absent themselves in the unit tests. To encounter this problem, it is made sure that no student skips the tests. Moreover, special tests are conducted for the students whose level of performance is low and also to the students who do not attend the tests. When the students are evaluated and if they are found to be low in their performance, special classes are conducted in the weekends. This improves the performance of the students in the upcoming tests and examinations. By this method students are made fearless to face the university examinations.

BEST PRACTICE II

Title of the Practice

WOW – Well-being out of Waste – A Green Initiative

Objectives of the Practice

The main purpose is to create a cleaner and better environment and also aims in developing appropriate knowledge to manage and dispose waste materials among the students. Initiative is being taken for recycling paper and reducing the hazards associated with it.

The Context

Recycling and management of waste paper are the main activities practiced. Paper is an essential commodity linked with the educational growth of our students. The demandwhich is   increasing by leaps and bounds are met through this process and it also supports and benefits the environment.

The Practice

The innovative paper recycling is done systematically.Waste paper is collected in an organized manner. Waste collection such as examination papers, old newspapers, unwanted office documents, shredded papers and

carton boxes are segregated and transported for recycling. Incineration method of waste disposal is not exercised in our campus as we are aware of the emission of gaseous pollutants.

Evidence of Success

We have received annual "Recycling" certificate for the contribution towards the greenest option and ecological sustainability.

Problems encountered and resources required

During monsoon paper waste will become damp as this significantly reduces the recycling process. Sometimes paper waste gets mixed with other wet waste when it is unknowingly dumped in the trash bin which is not meant for it. This can be prevented as it is just a matter of consciousness and motivation.

File Description	Document
Any additional information	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/102770/7

7.3 Institutional Distinctiveness

7.3.1 Describe/Explain the performance of the institution in one area distinctive to its vision, priority and thrust

Answer:

7.3.1 Institutional Distinctiveness

The vision of this institution is:

"**To empower the youth by developing their capabilities through quality education based on values**".

The college is keen to stimulate the students in order to get a wide knowledge in their subject. To satiate the academic gap in the syllabus designed by the Anna University, the institution encourages the students to update themselves in new technologies as well, thus it helps the students to be cognizant of the developed technologies. For this, the college offers Value added Courses to the students.

It has been made mandatory to do minimum of one course in one semester. Every department selects courses related to their respective department subjects. Every year different courses are offered according to the updated innovations in the field. Civil Engineering department offers courses like Auto Cadd, Total Station, and Stadd Pro. Computer Science Engineering department provides courses like Oracle, IBM, C, C++, JAVA, Machine Learning, and IOT (Internet of Things). Electronics and Communication Engineering department offers courses like Rasberry Pi, PCB Designing, C & Embedded, and Robotics. The department of Electrical and Electronics Engineering teaches courses like ARDUINO, PLS, Basic Electronics and PCB Desicninc, Arduino and Lab View, PCB Design, and Industrial Automation and Techniques using PLC and SCADA. The courses offered by Mechanical Engineering department are Pro-E, Auto Cad, ANSYS, Solid Works, and Catia. Moreover, Entrepreneurship Awareness camps are also conducted in the institution to empower the students to become entrepreneurs.

The duration of the courses would vary from 5 days (minimum 40 hours) to one month. These value added courses are taught by the professionals from well-known organizations as well as by the teachers of this institution. Course certificate is also issued to the students at the completion of every course. The Value added Courses would be designed in a way that it must incorporate the latest innovations in the field. In addition to that it is also ensured that the students should posses basic knowledge in every subject or the course they are taught. For this, the basics of the courses are taught by the teachers before taking up the value added courses.

- "To promote education through a holistic manner to make them (the student)

employable" is one of the missions of this institution.Learning the Value added Courses and getting certificate brings more opportunity to the students to get placed in various reputed organizations.The companies expect the students to have knowledge in the updated technologies which are not included in the current syllabus of Anna University.

- "To make them responsible citizens to participate in the advancement of the

society" is a mission of this institution.The college conducts various programmes which make the students socially responsible.To promote gender equity, Women Empowerment programme is conducted.Swachh Bharat Mission programme is given importance to make the students serve the society by maintaining the environment free from litter.To infuse professional ethics in the minds of students, they are encouraged to participate in various programmes.

- "To make them contribute to the national growth and the world at large" -

Programmes and camps are conducted in the institution by the Entrepreneurship Cell.The college signs in the MoU with EDII (Entrepreneurship Development Institute of India) Gujarat which conducts Entrepreneurship Awareness Camp in the institution.EDII (Entrepreneurship Development Innovative Institute) - TN, Chennai has an agreement with the college which promotes Entrepreneurial Eco System in the campus.CED (Centre for Entrepreneurship Development), Anna University has selected the institution as a Spoke College to conduct entrepreneurship activities. PM-YUVA Project has selected the institution as an Empanelled Institution for conducting Learnwise Courses with Wadhwani Foundation as a Technical Partner.

- "To promote excellence, quality and relevance in the field of technology

to suit the industry needs" – Apart from participating in seminars, workshops , the value added courses also help the students excel in their academic performance. The courses cover the new inventions in the field and so it helps the students to update their knowledge in the field. The industries expect knowledge in the updated technologies. Thus, doing value added courses makes the students more employable. The institution has signed a number of MoUs with other institution / industries / corporate houses. These industries offer courses and organize various programmes. SIEMENS INDUSTRY SOFTWARE (INDIA) PRIVATE LIMITED, BIM GLOBAL SOLUTIONS PRIVATE LIMITED, WESTERN THOMSON, CADD CENTRE, SIMTEK SOLUTIONS, and BARRY WEIHMHLER are the industries with which the institution has made agreements.

Thus the institution ensures that every student gets knowledge in their field to become more successful in their academic performance as well as in their performance in the work places.For this, value added courses are taught to the students; they are sent to seminars, workshops, and symposia.This practice contributes to the growth of their capabilities.

File Description	Document
Any additional information	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/102770/7

Link for Additional Information	View Document (http://tjsec.in/NAAC-UPLOADS/CRI-1/1.2.3-VAC.pdf

Extended Profile

Program

Number of courses offered by the institution across all programs during the last five years

Answer: 1318

File Description	Document
Institutional Data in Prescribed Format	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/102770/dynam

Number of programs offered year-wise for last five years

Answer:

2017-18	2016-17	2015-16	2014-15	2013-14
7	7	7	7	7

Students

Number of students year-wise during the last five years

Answer:

2017-18	2016-17	2015-16	2014-15	2013-14
1282	1533	1667	1633	1471

File Description	Document
Institutional Data in Prescribed Format	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/102770/dynam

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

Answer:

2017-18	2016-17	2015-16	2014-15	2013-14
356	356	356	356	356

File Description	Document
Institutional data in prescribed format	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/102770/dynam

Number of outgoing / final year students year-wise during the last five years

Answer:

2017-18	2016-17	2015-16	2014-15	2013-14
442	457	406	379	285

File Description	Document
Institutional Data in Prescribed Format	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/102770/dynam

Teachers

Number of full time teachers year-wise during the last five years

Answer:

2017-18	2016-17	2015-16	2014-15	2013-14
133	138	137	122	112

File Description	Document
Institutional Data in Prescribed Format	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/102770/dynam

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

Answer:

2017-18	2016-17	2015-16	2014-15	2013-14
133	135	125	117	102

File Description	Document
Institutional data in prescribed format	View Document (https://assessmentonline.naac.gov.in/storage/app/hei/SSR/102770/dynam

Institution

Total number of classrooms and seminar halls

Answer: 46

Total Expenditure excluding salary year-wise during the last five years (INR in Lakhs)

Answer:

2017-18	2016-17	2015-16	2014-15	2013-14
560.38	578.18	603.59	527.86	606.42

Number of computers

Answer: 485

Conclusion

Additional Information :

The institution is situated in a rural area where we have more number of under privileged people. The students who come from this background are taught and motivat to compete with rest of the students. We have secured 13 university ranks.

To help the needy and to motivate the efforts of the students, scholarships are provided by the college management. Every year, 100% scholarship is offered to the 1st Top Scorer (+Higher Secondary Board Examination) among the students who get admitted in our College. 75% for the 2nd Top Scorer and 50% for the 3rd Top Scorer. 13 diligent students are greatly benefitted for all the 4 years by this offer.

To make the first year students understand the basic principle and concept of the Engineering subjects, Basic Science Workshops like Robotics, Water Rocket, Basic Laws of Science, and Basics of Mechanical Engineering are regularly conducted.

The first year students are guided by their seniors in making projects, 50 students have built their own robotics during their first- years.

Moreover, various mini projects like Automatic Temperature Sensing Water Cooling System, Six to Six, and Visitor Counter in the Classroom have been completed by the students and are functioning in the campus. Final year students are encouraged to undertake their own projects in their final semester.

The students have exposed their talents and skills in various inter collegiate level competitions. Our students got selected in the virtual round in SAE E-Baja competition which was held in Punjab.

Learning never ends and it is true with some of our students who pursue their P.G. and doctorate degrees in renowned institutions of our country and abroad. Certain number of students positively cleared Civil Service Examinations like UPSC and TNPSC.

The college strives to create good professionals and it is also keen on producing self-made Entrepreneurs through Entrepreneurship Training Programme which enhances skills to execute their business.

The college has been experiencing a constant growth since its inception. Based on the result of the last four semesters, our college has got 58th rank among 530 colleges which come under the control of Anna University.

Concluding Remarks:

Student Centric Classroom Teaching Method is the most powerful method for effective learning. Thus, the institution is adapts this method to make students get involved in classroom teaching- learning activities.

Besides theories, practical classes are also given equal importance. The concept and the application of the experiment are well explained at the beginning of every practical class as it gives them a complete knowledge of every topic and it also enables them to carry out Mini Projects.

The students are encouraged to do quality concerned projects to empower themselves in research and innovation field. We encourage the students to undergo Internships and In-plant Trainings to get acquainted with the workplace environment and also to gain firsthand experience. It is mandatory for the students of our Institution to undergo at least one In-plant Training in a semester. All the final year students are guided to do real-time Quality Concerned Projects to the extent that the outcome of the works are presented as papers and get published in journals.

Students are given Placement Training right from their second year to ensure that they get placed in reputed companies once their course gets completed. Students as well as the faculty members are suggested to do certificate courses through NPTEL, MOOOCS like SWAYAM. Totally 512 members from our institution have enrolled themselves to the courses.

Faculty members are encouraged to learn new technologies by regularly updating themselves. To kindle the research attitude in them, they are advised to attend seminars, workshops, and symposia. Currently 15 teachers are pursuing their research. It is essential for the staff our college to get involved in FDPs which would enable them to update their research and pedagogical skills.

Our College renews its commitment to uphold and sustain excellence in education and ensures justice and equality in all aspects of its vision and mission.

EXCLUDED METRICES

List of Excluded Metrices

2 Teaching-learning and Evaluation : Weightage (350)

2.4 Teacher Profile and Quality : Weightage (80)

Ref No	Details of Metric	weightage	Metric Performance
2.4.4	Percentage of full time teachers who received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the last five years (Metric Type : **Derived** , Question Type : **QN** , Evaluation : **By DVV** , Nature :**Value**)	15	0

3 Research, Innovations and Extension : Weightage (120)

3.1 Resource Mobilization for Research : Weightage (10)

Ref No	Details of Metric	weightage	Metric Performance
3.1.1	Grants for research projects sponsored by government/non government sources such as industry ,corporate houses, international bodies, endowment, chairs in the institution during the last five years (INR in Lakhs) (Metric Type : **Derived** , Question Type : **QN** , Evaluation : **By DVV** , Nature :**Value**)	3	0
3.1.2	Percentage of teachers recognised as research guides at present (Metric Type : **Derived** , Question Type : **QN** , Evaluation : **By DVV** , Nature :**Value**)	3	0
3.1.3	Number of research projects per teacher funded, by government and non-government agencies, during the last five year (Metric Type : **Derived** , Question Type : **QN** , Evaluation : **By DVV** , Nature :**Value**)	4	0

3.3 Research Publications and Awards : Weightage (20)

Ref No	Details of Metric	weightage	Metric Performance
3.3.2	The institution provides incentives to teachers who receive state, national and international recognition/awards (Metric Type : **Direct** , Question Type : **QN** , Evaluation : **By DVV** , Nature :**Y/N**)	1	No

4 Infrastructure and Learning Resources : Weightage (100)

4.3 IT Infrastructure : Weightage (30)

Ref No	Details of Metric	weightage	Metric Performance
4.3.4	Facilities for e-content development such as Media Centre, Recording facility, Lecture Capturing System (LCS) (Metric Type : **Direct** , Question Type : **QN** , Evaluation : **By DVV** , Nature :**Y/N**)	1	No

5 Student Support and Progression : Weightage (142)

5.1 Student Support : Weightage (50)

Ref No	Details of Metric	weightage	Metric Performance
5.1.5	Average percentage of students benefited by Vocational Education and Training (VET) during the last five years (Metric Type : **Derived** , Question Type : **QN** , Evaluation : **By DVV** , Nature :**Value**)	5	0

5.4 Alumni Engagement : Weightage (22)

Ref No	Details of Metric	weightage	Metric Performance
5.4.2	Alumni contribution during the last five years(INR in Lakhs) (Metric Type : **Direct** , Question Type : **QN** , Evaluation : **By DVV** , Nature :**MC**)	4	<1 Lakh

6 Governance, Leadership and Management : Weightage (100)

6.3 Faculty Empowerment Strategies : Weightage (30)

Ref No	Details of Metric	weightage	Metric Performance
6.3.3	Average number of professional development /administrative training programs organized by the institution for teaching and non teaching staff during the last five years (Metric Type : **Derived** , Question Type : **QN** , Evaluation : **By DVV** , Nature :**Value**)	5	0.2

6.4 Financial Management and Resource Mobilization : Weightage (20)

Ref No	Details of Metric	weightage	Metric Performance
6.4.2	Funds / Grants received from non-government bodies, individuals, Philanthropists during the last five years (not covered in Criterion III) (INR in Lakhs) (Metric Type : **Derived** , Question Type : **QN** , Evaluation : **By DVV** , Nature :**Value**)	8	0

ANNEXURE

1.Metrics Level Deviations

Metric ID	Sub Questions and Answers before and after DVV Verification
1.1.2	Number of certificate/diploma program introduced during the last five years 1.1.2.1. **Number of certificate/diploma programs introduced year-wise during the last five years** Remark : Minutes of meetings for certifcate/diploma course not provided. Only syllabus available
1.1.3	Percentage of participation of full time teachers in various bodies of the Universities/ Autonomous Colleges/ Other Colleges, such as BoS and Academic Council during the last five years 1.1.3.1. Number of teachers participating in various bodies of the Institution, such as BoS and Academic Council year-wise during the last five years
1.2.1	Percentage of new Courses introduced out of the total number of courses across all Programs offered during last five years 1.2.1.1. How many new courses are introduced within the last five years Answer before DVV Verification : 347 Answer after DVV Verification: 347 Remark : HEI has not provided the basis of claiming 348 courses as new course introduced. HEI has not provided copy of the information on website identifying the 348 cases as new courses. Basically no supporting document for the introduction of the new courses
2.3.2	Percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources etc. 2.3.2.1. Number of teachers using ICT Answer before DVV Verification : 0 Answer after DVV Verification: 0 Remark : Neither list of teachers not ICT facility learning link or photographs provided

2.6.3	Average pass percentage of Students
	
	    2.6.3.1. Total number of final year students who passed the examination conducted by Institution.
	Answer before DVV Verification : 325
	Answer after DVV Verification: 325
	
	    2.6.3.2. Total number of final year students who appeared for the examination conducted by the institution
	Answer before DVV Verification : 442
	Answer after DVV Verification: 442

3.3.5	Number of books and chapters in edited volumes/books published and papers in national/international conference proceedings per teacher during the last five years 3.3.5.1. Total number of books and chapters in edited volumes / books published, and papers in national/international conference-proceedings year-wise during the last five years
3.4.2	Number of awards and recognition received for extension activities from Government /recognised bodies during the last five years 3.4.2.1. Total number of awards and recognition received for extension activities from Government /recognised bodies year-wise during the last five years
3.4.3	Number of extension and outreach Programs conducted in collaboration with Industry, Community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., during the 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/ Red Cross/ YRC etc., year-wise during the last five years
4.1.4	Average percentage of budget allocation, excluding salary for infrastructure augmentation during the last five years. 4.1.4.1. Budget allocation for infrastructure augmentation, excluding salary year-wise during the last five years (INR in Lakhs) Remark : Revised as per the letter provided by the Senior Finance Officer along with the statement of Accounts. However, the Budget allocation for Infrastructure augmentation is not highlighted anywhere in the annexed statement of accounts.

4.2.4	Average annual expenditure for purchase of books and journals during the last five years (INR in Lakhs) 4.2.4.1. Annual expenditure for purchase of books and journals year-wise during the last five years (INR in Lakhs) Remark : Revised as per the letter provided by the Senior Finance Officer along with the statement of Accounts.
4.4.1	Average Expenditure incurred on maintenance of physical facilities and academic support facilities excluding salary component, as a percentage during the last five years 4.4.1.1. Expenditure incurred on maintenance of physical facilities and academic support facilities excluding salary component year-wise during the last five years (INR in Lakhs) Remark : Revised as per the letter provided by the Senior Finance Officer along with the statement of Accounts. However, the Expenditure incurred on maintenance of physical facilities and academic support facilities is not highlighted in the statement

5.1.3	Number of capability enhancement and development schemes –
	
	    1. For competitive examinations
	
	    2. Career counselling
	
	    3. Soft skill development
	
	    4. Remedial coaching
	
	    5. Language lab
	
	    6. Bridge courses
	
	    7. Yoga and meditation
	
	    8. Personal Counselling
	
	Answer before DVV Verification : A. 7 or more of the above
	Answer After DVV Verification: B. Any 6 of the above

5.3.1	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) 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

6.2.3	Implementation of e-governance in areas of operation 1. Planning and Development 2. Administration 3. Finance and Accounts 4. Student Admission and Support 5. Examination Answer before DVV Verification : A. All 5 of the above Answer After DVV Verification: B. Any 4 of the above Remark : Excluding Examination, where the snapshot is not provided
6.3.2	Average 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 Remark : No proper supporting document based on HEI clarification
7.1.8	Average percentage expenditure on green initiatives and waste management excluding salary component during the last five years 7.1.8.1. Total expenditure on green initiatives and waste management excluding salary component year-wise during the last five years(INR in Lakhs) Remark : Revised as per the letter duly signed by the Senior Finance Officer. However, the expenditure on green initiatives and waste management is not highlighted
7.1.17	Number of activities conducted for promotion of universal values (Truth, Righteous conduct, Love, Non-Violence and peace); national values, human values, national integration, communal harmony and social cohesion as well as for observance of fundamental duties during the last five years 7.1.17.1. Number of activities conducted for promotion of universal values (Truth, Righteous conduct, Love, Non-Violence and peace); national values, human values, national integration, communal harmony and social cohesion as well as for observance of fundamental duties year-wise during the last five years

2.Extended Profile Deviations

ID	Extended Questions

| 1.2 | Total Expenditure excluding salary year-wise during the last five years (INR in Lakhs)

Answer before DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14
376.419	391.840	336.613	343.288	416.517

Answer After DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14
560.38	578.18	603.59	527.86	606.42