SELF STUDY REPORT

FOR

1st CYCLE OF ACCREDITATION

NARASU'S SARATHY INSTITUTE OF TECHNOLOGY

POOSARIPATTY KADAYAMPATTY TALUK SALEM
636305
www.nsit.edu.in

Submitted To

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

BANGALORE

November 2022

1. EXECUTIVE SUMMARY

1.1 INTRODUCTION

Founded in 2008 by Smt. Mahalakshmi Ammal Educational Trust, Narasu's Sarathy institute of Technology, represents a rich tradition of excellence in technology-based education. A premier-league self-financed institution among the affiliates of Anna University, The institution owes its vision to Thiru.R.P.Sarathy, a philanthropist and Educationalist. The College implemented Choice Based Credit System (CBCS) with effect from the Academic year 2017-18. The college offers Six UG programmes with total sanctioned intake of 360 and 2 PG programmes with total sanctioned intake of 24. The College is one among the most preferred for admissions by the students securing top ranks in the state level examination. Narasu's Sarathy Institute of Technology, in its 15 years of existence has attained a reputation as being one of the best institutions in the State of Tamil Nadu. The college in its pursuit for quality in technical education has earned laurels in assessments carried out by various ranking agencies in the nation. The college has been participating in the NIRF rankings of MHRD successively every year, ever since it was introduced. Located on the Salem-Bangalore highway, the institution presents a picturesque view flanked by the glorious Yercaud. Situated over a sprawling 22.5 acre campus with lush lawns, a beautiful landscape, aesthetic architecture and avant-garde infrastructure, the College epitomizes an exemplary setting for higher learning.

Vision

The college aims to impart quality education combined with ethical values, the two qualities that are in congurence with the nation's development. The vision of the college is to produce Engineers who think 'out of the box' and can act as a cohesive link between the administrative and executive machinery of the country.

Mission

Our mission as an institution is to impart value based education to students from both the rural and urban areas and to train them into technically competent, ethically strong and quality professionals in order to meet the challenges of the rapidly changing technological environment.

1.2 Strength, Weakness, Opportunity and Challenges(SWOC)

Institutional Strength

The Institution has following Strength

- Focused Vision & Mission.
- Well-developed infrastructure.
- Qualified and experienced faculty & staff.
- Quality of students admitted.
- Good academic culture, ambience and working environment leading to high students and faculty satisfaction.

- Management supports faculty qualifications upgradation and good academic practices.
- The administrative and management policies & controls are well established and operate effectively.
- Standard procedures, policies and practices are in place.
- Campus placements are strong and career counselling for students is well organized and structured.
- Students are given awards and rewards for merit achievement.
- Mentor system with regular monitoring of attendance of students and their performance in examinations.
- Reputation and prestige of the college is rated high by students for its overall training, holistic development and academic results & placements.
- Institute location-accessible to all the Stakeholders.

Institutional Weakness

- Exposure of Foreign University collaboration is to be improved.
- Departments yet to get recognition as research centers

Institutional Opportunity

- Autonomy would enable the Institute to address the shortcomings under affiliation system.
- Leveraging locational advantage to network with institutes of higher learning, industry and research organisations for consultancy, collaborative R & D Projects, sponsored research, academic interaction, student internships etc.
- Use its alumni base for institutional growth. More research funding opportunities. Ph.D Programmes offered by many public and private universities.

Institutional Challenge

- Establishment of higher educational institutions, Private and Deemed Universities can cause unequal competition. Quality of student intake in certain departments due to change in preferences. Change in mind set towards R&D.
- Presence of mediocre journal publishers. Tough competition in research funding opportunities. Availability of quality faculty interested in teaching. As tuition fee is regulated, resource base could be affected.

1.3 CRITERIA WISE SUMMARY

Curricular Aspects

The curricula for the six undergraduate programs of engineering have been formulated in accordance with the guidelines of AICTE, affiliating university and is in tune with the vision and mission of the Institution.

Considering the technological advancements, the curriculum for the undergraduate programs of engineering is shaped in the form of Humanities, Basic and Engineering Sciences, Mathematics, Professional Core,

Professional and Open electives and Skill development courses. The emphasis is on overall development and knowledge acquisition. The curriculum also includes, Mini projects, laboratory and project work, technical report writing, and training in latest software's and technologies which is offered under technical skills. The core subjects in the curriculum provide technical knowledge in the chosen program. Students learn important concepts in professional core subjects and advanced concepts in professional elective subjects. With a view to promote self-learning, students are required to complete at least one online certification course of minimum eight weeks duration from SWAYAM /COURSERA. The students are also encouraged to participate in technical symposiums, take up internships and involve in NSS events and join in extra-curricular clubs which aim at enhancing their inherent creative talents.

The curriculum imparts transferrable and life skills through subjects such as Human Values and Professional Ethics, Skills Development courses - Soft skills, Communication skills and Technical skills, Economics and Finance and co-curricular activities which train students in all aspects, striving towards technological and human excellence. The curriculum including examination pattern and assessment system. New skill based courses that give students better placement opportunities have also been introduced.

Choice based credit system has been implemented in all the programs since 2017-18. The success of curriculum design and development towards employability can be gauged through increase in net selections in placements and gradual improvement in the average pay-package, and also by admissions into higher educational institutions both in India and abroad.

Post graduate engineering programs are designed with advanced core and elective courses along with emphasis on laboratory and research work. The curriculum of postgraduate courses includes all the aspects outlined above.

Teaching-learning and Evaluation

The quality of students seeking admission has been improving year on year which is evident by the ranks of the students joining. As they are from diverse backgrounds the institution is providing academic and other support.

Remedial classes are conducted for slow learners. Bridge courses are organized for the lateral entry students. The advanced learners are encouraged to participate in Hackathons/Design contests etc. The institute follows a Mentoring system in which around twenty students are assigned to each faculty and he/she functions as their local guardian.

The institute has a policy of recruiting well qualified and experienced faculty as per AICTE norms and this has contributed to improving the Teaching-Learning process. The institute maintains the requisite teacher-student ratio. The courses are assigned to the faculty based on their competencies and specializations. Teachers prepare an elaborate course plan, lesson plan and handouts as part of the academic schedule.

Innovative processes in Teaching and Learning like ICT tools and modern pedagogical techniques are adopted by the faculty. Learning Manangement System (LMS) is implemented for enriched student-teacher interaction. To bridge the gap between the curriculum and the industry requirements, discipline specific technical training programs are conducted. To further strengthen students' domain knowledge guest lectures, workshops,

conferences etc. are organised.

The examinations and evaluation system is followed systematically in par with the rules and regulations laid by the university which are revised from time to time making the system more efficient. A set of PEOs, POs and PSOs are formulated for every programme based on the 'outcome based education' approach. Course objectives and outcomes, are prepared for each course following the appropriate levels of Blooms taxonomy. The Continuous Internal Evaluation (CIE) and Semester End Examinations (SEE) question papers setters also follow various levels of Bloom taxonomy such as Application, Analysis and Evaluation, so as to set quality questions which do not cater to the route learning method.

Systematic procedures have also been devised for assessing the attainment of PEOs, POs, PSOs and COs. The appropriate corrective measures are implemented based on the attainment levels perceived every year.

Research, Innovations and Extension

The Institute has a vibrant Research environment with linkages to Government R&D Institutes, Industry and Consultancy agencies. The Institute has an approved R&D policy document to provide important information to the faculty and staff about R&D objectives, schemes, available resources and financial benefits. The Institute has formed Research Coordinators Committee and an Industry Institute Interaction committee for promoting and directing Research and Consultancy. The faculty gets to share the generated revenue according to defined revenue sharing policy. Original Research work is ensured through well publicized plagiarism policy document.

The Institute was awarded Research Projects from Tamil Nadu State Council for Science and Technology.

The Institute has 25 (perpetual & time bound) functional Memoranda of Understanding (MoU). The Institute encourages the faculty to undertake research by providing seed money, access to laboratories and research facilities. The Institute provides academic leave, for pursuing doctoral work, permission and financial support to attend conferences for paper presentation and Faculty Development Programs (FDP). NSIT faculty have published 90 papers in UGC recognized journals. NSIT faculty have filed 3 patents. A total of more than 60 linkages for internships and industrial project work have been provided to the students.

A total of more than 80 extension activities for the community were conducted in the last five years besides organizing several blood donation camps. More than 90 Percentage of students on an averages participated in these activities through NSS unit. Every year NSIT receiving awards and recognition from various Government and Non- government bodies.

Infrastructure and Learning Resources

The Institute has ICT enabled classrooms, well equipped laboratories, sports facilities and good infrastructure spread over 22.5 acres with lush lawns, beautiful landscape, aesthetic architecture and eco-friendly environment. The classrooms are well-furnished, spacious with good ventilation and are well illuminated. They are maintained as per norms for proper visibility and audibility.

The college has three seminar halls, one open auditorium and one Amphi theatre. All seminar halls have

different seating capacity, and these are equipped with ICT facilities. Digital boards have been installed at selected locations.

The college website provides all the essential information for the stakeholders. Updates in technology shared by faculty as blogs in the website in case of emergency, and Google classroom used for the teaching-learning process. In an Emergency situation, the class notes assignments are uploaded in Google classrooms. A bulk ERP-SMS facility is also available to communicate important messages to all students and faculty. Webinar and Alumni talk series in a collaborative manner, Google meet license is purchased for Google rooms.

The institution recognizes the importance of the library as a good learning resource. It is updated regularly with the latest books & journals such as MAT Journals. The central library has a facilitated with Library management Software (Lips iNET), reading space, reprographic facilities, Digital library. DELNET, National Digital Library of India (NDLI) membership for access e-resources. The digital library facilitated with internet facility. It enables student's remote access to DELNET e-journals.

 CCTVs installed at strategic places help to monitor the campus activities. The Institution has power management department to ensure uninterrupted power supply and maintenance of electrical assets. The Institution has power house installed with Two Diesel Generators and solar power with an installed capacity of 20 kW. The maintenance of equipment like Diesel Generator

Sets, Power Distribution Systems, Elevators, Air-conditioners, Fire-Fighting Equipment, Drinking water, Water-coolers and Solar Panels etc. is undertaken by authorized vendors under annual maintenance contract(AMC). The Institution provides Cafeteria, Books & Stationary and Transport facilities which includes 19 buses for all students and staff.

Student Support and Progression

The key aspects as below describe the steps taken by the institution to provide necessary assistance to the students in terms of academics such as providing meaningful experiences for learning at the campus facilitating holistic development and progression. It also aims at student performance and alumni engagement and the progression of student for higher education and/or achieving employment.

- The economically and socially challenged students are provided with financial assistance by State and Central Government Agencies based on certain economic criteria. Financial assistance is also given by college

   Management to the needy students through Equity Action Plan.

- The capability enhancement and development schemes include skill development courses: communication skills, soft skills, and technical skills and structured CRT programs. Co-curricular and Extra- curricular activities are also embedded into the system for an overall development of a student.

- Remedial coaching is provided for academically weak students so that they can improve in their academics. Bridge courses are conducted for lateral entry students in the II year to address the curriculum gaps between diploma and current course of study.
- The institute follows a Proctorial system in which around twenty students are assigned to each faculty. Besides this, personal counselling is given to students through a qualified professional Student Counsellor.
- The consistent academic and other support rendered, has resulted in increased net selections in placements and gradual improvement in average pay package. Performance in competitive exams have also increased resulting in admissions into Higher Educational Institutions both in India and Abroad.
- A plethora of sports and cultural activities / competitions are organized by the institution every year wherein the students play an important role in planning and organizing.
- The institution also has a transparent mechanism for timely redressal of student grievances. Students are represented in several academic & administrative bodies/committees of the institution. The committees are Class Review Committee, Library committee, Anti ragging committee, Canteen committee, IQAC, Women Development cell etc.
- There is also a registered Alumni Association (NSITAA- Mitramillan) which contributes significantly to the development of the institution through financial and non financial initiatives.

Governance, Leadership and Management

The institute has a well-defined organizational structure and the policies of the management committee and Board of Governors are implemented by the Principal with the help of Heads of the Department and various committees constituted for specific purposes. Faculty are represented in the BOG, Academic council and Board of studies as part of participative management. As part of decentralization, representatives of faculty, nonteaching staff and students participate in various Committees of the institution.

E-governance has been implemented for the purpose of admissions, finance and accounts and examinations using the in house developed software.

The college implements several welfare measures for the faculty and staff for their personal and professional growth. These include Gratuity, maternity leave for women, provident fund etc. and financial support for higher education.

Faculty are encouraged to attend faculty development programs, Refresher courses workshops, conferences etc and are financially supported by the way of providing on duty, travelling allowance, daily allowance, registration fee etc.

Professional development programs are conducted for teaching faculty and administrative / technical training programs for non-teaching staff.

The faculty is also encouraged to enhance their educational qualifications by reducing their work load, adjusting their time table and providing academic leave with pay.

The institute has a well-defined performance appraisal system for faculty and non-teaching staff. The institute has a well-defined policy for budgeting and audit including internal and external auditing. IQAC cell looks after quality aspects in the institute. The IQAC regularly reviews the teaching learning process evaluation and assessment, structure etc. and as a result

new courses have been introduced with an aim to enhance not just the quality of placements but also to develop their knowledge, skillsets and overall personality.

The institute has formulated a strategic plan and continues to implement it for its overall development.

Institutional Values and Best Practices

The institution follows all the rules as per the statutory requirements with respect to academics, finance and administration and maintains complete transparency in all its activities. The institute understands and meets the requirements of women employees and girl students with respect to safety, security, counselling and has made provision for requisite facilities accordingly.

The institution has adopted an environment friendly approach in maintaining the campus with continuous attention towards tree plantation, adopting water harvesting methods, sewerage recycling through an STP, use of recycled water and employing renewable energy resources for power generation. Facilities have been provided for the differently abled students, like ramps, elevators etc.

The students participate in Swachh Bharat activities, conduct blood donation camps to provide assistance to those affected by natural disasters and take part in Street cause events, also the institute conducts eye camps, for the benefit of the people in rural areas. The students are trained through two regular courses on Human Values and Professional Ethics with credit weightage.

While the Administrative Manual defines the roles and responsibilities of the various administrative positions, the Code of conduct for students is published in their handbook.

Enhancing employability skills by conducting various training programs in communication skills, logical thinking, LSRW, Group- discussions, Interview skills, in IT related skills (Fundamental and Advanced Programming Skills) and domain specific skills.

2. PROFILE

2.1 BASIC INFORMATION

Name and Address of the College	
Name	NARASU'S SARATHY INSTITUTE OF TECHNOLOGY
Address	POOSARIPATTY KADAYAMPATTY TALUK SALEM
City	SALEM
State	Tamil Nadu
Pin	636305
Website	www.nsit.edu.in

Contacts for Communication					
Designation	**Name**	**Telephone with STD Code**	**Mobile**	**Fax**	**Email**
Principal	V.munusami	04290-249661	9965769238	04290-249663	nsitiqac@gmail.com
IQAC / CIQA coordinator	K.arutselvan	04290-249662	9790229369	04290-249663	arutselvank@gmail.com

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

State	University name	Document
Tamil Nadu	Anna University	[View Document](#)

Details of UGC recognition

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

Details of recognition/approval by stationary/regulatory bodies like AICTE,NCTE,MCI,DCI,PCI,RCI etc(other than UGC)

Statutory Regulatory Authority	Recognition/Approval details Institution/Department programme	Day,Month and year(dd-mm-yyyy)	Validity in months	Remarks
AICTE	[View Document](#)	07-07-2022	12	

Recognitions

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

Location and Area of Campus

Campus Type	Address	Location*	Campus Area in Acres	Built up Area in sq.mts.
Main campus area	POOSARIPATTY KADAYAMPATTY TALUK SALEM	Rural	22.5	26927

2.2 ACADEMIC INFORMATION

Details of Programmes Offered by the College (Give Data for Current Academic year)						
Programme Level	Name of Programme/Course	Duration in Months	Entry Qualification	Medium of Instruction	Sanctioned Strength	No.of Students Admitted
UG	BE,B E Computer Science And Engineering	48	HSC	English	120	112
UG	BE,B E Electrical And Electronics Engineering	48	HSC	English	30	22
UG	BE,B E Electronics And Communication Engineering	48	HSC	English	60	57
UG	BE,B E Mechanical Engineering	48	HSC	English	30	13
UG	BE,B Tech Information Technology	48	HSC	English	60	60
UG	BE,B Tech Artificial Intelligence And Data Science	48	HSC	English	60	54
PG	ME,M E Computer Science And Engineering	24	UG	English	12	0
PG	ME,M E Vlsi Design	24	UG	English	12	0

Position Details of Faculty & Staff in the College

Teaching Faculty											
	Professor				Associate Professor				Assistant Professor			
	Male	Female	Others	Total	Male	Female	Others	Total	Male	Female	Others	Total
Sanctioned by the UGC /University State Government				9				12				73
Recruited	7	1	0	8	7	2	0	9	37	36	0	73
Yet to Recruit				1				3				0
Sanctioned by the Management/Society or Other Authorized Bodies				9				12				88
Recruited	7	1	0	8	7	2	0	9	52	36	0	88
Yet to Recruit				1				3				0

Non-Teaching Staff				
	Male	Female	Others	Total
Sanctioned by the UGC /University State Government				43
Recruited	25	18	0	43
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				43
Recruited	25	18	0	43
Yet to Recruit				0

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Technical Staff				
	Male	**Female**	**Others**	**Total**
Sanctioned by the UGC /University State Government				11
Recruited	8	3	0	11
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				11
Recruited	8	3	0	11
Yet to Recruit				0

Qualification Details of the Teaching Staff

Permanent Teachers										
Highest Qualification	**Professor**			**Associate Professor**			**Assistant Professor**			
	Male	Female	Others	Male	Female	Others	Male	Female	Others	Total
D.sc/D.Litt/ LLD/DM/M CH	0	0	0	0	0	0	0	0	0	0
Ph.D.	7	1	0	1	0	0	1	3	0	13
M.Phil.	0	0	0	0	0	0	5	8	0	13
PG	0	0	0	6	2	0	44	27	0	79
UG	0	0	0	0	0	0	0	0	0	0

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

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

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

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

Programme		From the State Where College is Located	From Other States of India	NRI Students	Foreign Students	Total
UG	Male	194	1	0	0	195
	Female	124	0	0	0	124
	Others	0	0	0	0	0
PG	Male	0	0	0	0	0
	Female	0	0	0	0	0
	Others	0	0	0	0	0

Provide the Following Details of Students admitted to the College During the last four Academic Years					
Category		Year 1	Year 2	Year 3	Year 4
SC	Male	15	10	6	10
	Female	5	12	0	5
	Others	0	0	0	0
ST	Male	2	0	0	0
	Female	0	0	0	0
	Others	0	0	0	0
OBC	Male	129	110	83	158
	Female	58	64	39	84
	Others	0	0	0	0
General	Male	0	1	2	6
	Female	2	0	0	2
	Others	0	0	0	0
Others	Male	0	0	0	0
	Female	0	0	0	0
	Others	0	0	0	0
Total		211	197	130	265

Institutional preparedness for NEP

1. Multidisciplinary/interdisciplinary:	Education with Multidisciplinary components is an academic and pedagogical approach to develop multiple capacities in the intellectual, aesthetic, social, physical, emotional, and moral domains, among the students inside and outside the classroom, by integrating formal and informal learning opportunities and teaching, research and community engagements and promoting cross-disciplinary and interdisciplinary perspectives and academic practice. NEP 2020 suggests that the colleges will be "gradually phasing out the system of 'affiliated colleges' over a period of fifteen years" i.e. by 2035. The phasing out of the system of 'affiliated colleges' shall be supported by the mentoring of the affiliated colleges by the respective affiliating university. We have mooted this to implement in our institution and various steps have been taken including attending seminars and conferences related to NEP 2020, identifying bench marks from various institutions for multidisciplinary courses and closely following the norms and regulations of the affiliating university.
2. Academic bank of credits (ABC):	As per the UGC Notification on University Grants Commission Notification (28th July, 2021) "Academic Bank Account" means an individual account with the Academic Bank of Credits opened and operated by a student, to which all academic credits earned by the Student from course(s) of study are deposited, recognised, maintained, accumulated, transferred, validated or redeemed for the purposes of the award of degree/diploma/certificates etc. by an awarding institution. Academic Bank of Credits shall be established, on the lines of the National Academic Depository shall have a dynamic website providing all details of Academic Bank of Credits and its operational mechanism for the use of all stakeholder of higher education. Academic Bank of Credits is essentially a credit-based, and highly flexible, student centric facility. Our institution has been in the process of getting approval to apply for registration with Academic Bank of Credits from statutory authorities such as Governing Council, Academic Council and university authorities. Courses undergone by the students through the online modes through National Schemes like SWAYAM, NPTEL, etc. or of any specified university, shall also be considered for credit transfer and credit accumulation.

3. Skill development:	Integrating vocational education with general education is the most promising way to provide for holistic development of the students, equipping them with knowledge, skills and competencies which would prepare them for life and work. We have identified to collaborate with industries for internship to expose the students to the work environment and get the experience of hands-on practice. We are in the process of developing some bridge courses of varying duration depending on the pre-requirements of the course a student intends to move to horizontally.
4. Appropriate integration of Indian Knowledge system (teaching in Indian Language, culture, using online course):	NEP 2020 envisages a greater Promotion of Indian Languages, Arts and Culture. The NEP document elaborates on the cultural and knowledge heritage of India, the importance of Indian Philosophy in the renewed perception and influence on the world events, the importance of the Multilanguage multicultural background of the country and the necessity for revitalizing these realms for the betterment of the country and the world. This strategy calls for a paradigm shift in our immediate past educational system (which, in general opinion, has devalued the Indian traditional knowledge). To bring back the glory of the ancestoral values and knowledge and a line with AICTE, guidelines the institution has introduced a mandatory course on 'Indian Constitution and Traditional Knowledge' for all the UG students. To augment the lectures in the class room, standard text books on Indian Constitution and Cultural heritage of India have been given to the students. Through the efforts of Fine Arts Club, competitions are being regularly conducted in the regional language viz Tamil on the contemporary topics on environment, energy conservation, etc., as well as topics on the cultural and ethnic values of India. The Parent University has also introduced two UG courses (B.E.- Civil Engineering and Mechanical) Engineering in Tamil Medium.
5. Focus on Outcome based education (OBE):	The Institute switched over to Outcome Based Education (OBE) in year to impart education through student centric approach and follow outcome oriented teaching learning process. Programme Outcomes (POs), Programme Specific Outcomes (PSOs), and Course Outcomes (COs) have been formulated for all the UG and PG programs. Programme Outcomes (POs) represent the graduate attributes formulated as

	per Washington Accord and adopted by National Board of Accreditation. Programme Specific Outcomes (PSOs) are specifically defined outcomes of the programme which the graduates have to acquire by the end of the programme. Program Outcomes (POs), Program Specific Outcomes (PSOs) of all the UG and PG Programmes have been disseminated to the stake holders
6. Distance education/online education:	There is a perceptible change in the modes of the Teaching-Learning all over the world and there is a significant shift from all class room teaching and Learning to partly classroom partly online Teaching-Learning. This is exhibited in the worldwide popularity of Online education like MOOCs, etc. India is also keeping abreast in this new paradigm. We encourage our students and faculty to register and write examinations under SWAYAM-NPTEL for several years. Students can take up full time internship in suitable industries. This doubly benefits the students to acquire skills required by the industry and also a favorable career opportunity.

Institutional Initiatives for Electoral Literacy

1. Whether Electoral Literacy Club (ELC) has been set up in the College?	Narasu's Sarathy Institute of Technology has set up the own Electoral Literacy Club (ELC) as per the direction of District Election Officer (DEO) and Electoral Roll Officer(ERO). The vision of the NSIT ELC is to make its utmost contribution to have an active democratic citizenry originating in integrated civic and voter Education and electoral participation right from a young age. Objective of ELC Engage in promoting awareness of 'Right to Vote' among Faculty Members, Student's and Community at large. Enable critical thinking on issues related to Elections, Rights, Democracies /Non-Democracies electoral system.
2. Whether students' co-ordinator and co-ordinating faculty members are appointed by the College and whether the ELCs are functional? Whether the ELCs are representative in character?	The Student and faculty Coordinator are appointed to ensure the smooth conduction of club activities. Our faculty Mr.Prakashkumar , Assitant Professor of Department of Computer science and Engineering as a faculty coordinator of ELC & Our student Selvan.K.Magesh of Third year of Electrical and Electronics Engineering student as Students

	coordinator of ELC. Student and faculty Coordinators have planned schedule that they need to fulfil in order to succeed the club role in the college. Function of ELC •The ELC members shall meet once a week to engage in group session of thematic discussions on relevant topics. •They will organize activities like outreach programme and in campus programme with targeted groups to create voting awareness. •They shall function towards the goal to create and preserve the literature for the club.
3. What innovative programmes and initiatives undertaken by the ELCs? These may include voluntary contribution by the students in electoral processes-participation in voter registration of students and communities where they come from, assisting district election administration in conduct of poll, voter awareness campaigns, promotion of ethical voting, enhancing participation of the under privileged sections of society especially transgender, commercial sex workers, disabled persons, senior citizens, etc.	NSIT Electoral Literacy Club is a platform to engage the students through interesting activities and hands-on experience to sensitize them on their electoral rights and familiarize them with the electoral process of registration and voting. NSIT- ELC is also creating awareness among college's students and nearby communities. Every year the club conducts seminars to help students know about their rights and encourage them to exercise those rights by participating in the elections. The club also encourages students to take part in competitions conducted by SVEEP (Systematic Voters' Education and Electoral Participation Program) as this will help develop their skills and confidence. Our students and staff have participated in the competitions. Our staff coordinator Mr. Prakash Kumar Assistant Professor / Computer science and Engineering has actively involved the students in various innovative activities to encourage the students to use their voting rights and spread awareness about the importance of voting among the general public.
4. Any socially relevant projects/initiatives taken by College in electoral related issues especially research projects, surveys, awareness drives, creating content, publications highlighting their contribution to advancing democratic values and participation in electoral processes, etc.	The students of NSIT have multiple role and responsibilities pertaining to their academic and extra-curricular activities. The younger generation , especially, has shown time and again their ability to innovative and come up with new and creative solutions to existing problems. Every year students are encouraged do the mini and major projects in Electronics vote Machine(EVM), For example, In academic year 2021-22 the students did a project titled on ADVANCED VOTING SYSTEM WITH ENHANCED SECURITY in their final year. ELC is creating awareness among the public through posters and participating competition as per the direction of District Collector office.
5. Extent of students above 18 years who are yet to be	The club collaborates along with the District

enrolled as voters in the electoral roll and efforts by ELCs as well as efforts by the College to institutionalize mechanisms to register eligible students as voters.	Collector office who is also the District Election Officer (DEO) periodically participate and assign events to the club to create awareness on the importance of voting through various programs like rally , surveys, Voter Awareness Contest Quiz, Voter awareness essay , Voter awareness posters creation, Voter awareness banners ,Develop apps etc. efforts are taking by the institution to enroll as voter who students above 18 years.

Extended Profile

1 Students

1.1

Number of students year wise during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
759	743	703	878	818

File Description	Document
Upload supporting document	[View Document](#)
Institutional data in the prescribed format	[View Document](#)

2 Teachers

2.1

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

Response: 201

File Description	Document
Upload supporting document	[View Document](#)
Institutional data in the prescribed format	[View Document](#)

2.2

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

2021-22	2020-21	2019-20	2018-19	2017-18
105	140	150	152	152

3 Institution

3.1

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

2021-22	2020-21	2019-20	2018-19	2017-18
428.10	174.5	347.39	344.08	233.27

4. Quality Indicator Framework(QIF)

Criterion 1 - Curricular Aspects

1.1 Curricular Planning and Implementation

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

Response:

Academic Calendar/ Almanac: At the beginning of every academic year, The Head of the Institute, Heads of various Departments & Exam Branch chalks out an academic calendar which includes Internal assessment dates. This is made available to the staff and students before the commencement of the class work. The academic calendar is displayed on all the department notice boards, and is also made available on the website https://nsit.edu.in/nsitAcademicSchedule.aspx. Based on the academic calendar, each department prepares a plan at the department level, which includes the above and co-curricular activities such as workshops, conferences, seminars, online courses, projects research activities and guest lectures by experts from both industry and academia. Extra-curricular activities such as various literary and cultural clubs are also part of the plan. This academic calendar is strictly adhered to, by the institution.

Teaching Plans: Course allotment for every semester is prepared by the respective HoDs and the same is communicated to the faculty. For each course, teaching hours are allocated based on the number of credits. The faculty prepares a 'Course Plan' which gives the number of hours required to complete each unit. The 'Lesson Plans' are prepared which includes dates for each topic of a unit and the mode of teaching.

Laboratory: Lesson plans are also prepared for each laboratory course which indicates the number of experiments and the dates for each experiment. Laboratory manuals are prepared in advance which gives a detailed description of the experiments. The students maintain a laboratory record and the teacher evaluates and awards grades for each experiment which is considered for continuous internal assessment. Hand-outs are prepared unit wise for better understanding of the course and give a brief description of the course content. Approved course plans, lesson plans and hand-outs are communicated to the students at the beginning of each semester through group e-mail. The Course plans and Lesson plans are appended to the attendance registers for ready reference by the faculty concerned. The topics covered, on the given day as per the time-table is entered in the attendance registers as log book. Effective implementation of the lesson plan and log book is reviewed by the HoD as well as Principal. The comments on any variation with respect to the lesson plan and lecture record are communicated to the faculty concerned.

Projects : Mini-projects presentation carried out by the students to help them to consolidate and apply their conceptual understanding of various subjects. Seminars help enhance the presentation skills of the students. The project work/ internship taken up in the final year enables the students to consolidate their knowledge, write and present technical reports and learn the benefits of teamwork. Students are encouraged to carry out project work as interns in industry. Co-curricular and extra-curricular activities aim to inculcate these qualities in order to bring about holistic personality development of students. Students are also encouraged to participate in technical competitions and ideation contests as part of co-curricular activities.

File Description	Document
Upload Additional information	[View Document](#)
Provide Link for Additional information	[View Document](#)

1.2 Academic Flexibility

1.2.1 Number of Add on /Certificate/Value added programs offered during the last five years

Response: 93

File Description	Document
Upload supporting document	[View Document](#)
Institutional data in the prescribed format	[View Document](#)

1.2.2 Percentage of students enrolled in Certificate/ Add-on/Value added programs as against the total number of students during the last five years

Response: 80.08

1.2.2.1 **Number of students enrolled in subject related Certificate/ Add-on/Value added programs year wise during last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
751	735	514	696	428

File Description	Document
Upload supporting document	[View Document](#)
Institutional data in the prescribed format	[View Document](#)

1.3 Curriculum Enrichment

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

Response:

The College has been working for the overall development of the students. Various courses, namely, Human values and Professional Ethics, Environmental Studies have been introduced as mandatory courses for all programmes of engineering to address issues as Gender Equality, Sustainability, Human Values and Ethics. Courses on Disaster management, Non-Conventional energy resources etc, are offered as open electives.

Human values and professional ethics: To instil Moral, Social and Ethical values, the university has offers two courses on Human Values and Professional Ethics as credit courses during the academic periods for all B. E programs. These courses help students gain a world view of the self, society and profession. It emphasizes on holistic understanding of ethical human conduct, trustful and mutually understanding human behaviour. The college also conducts Blood Donation Camp, Eye camps, Swacch Bharath, and awareness programs in the nearby villages to promote National Integrity, Human values, Communal Harmony.

Environment and Sustainability: Environmental Studies is an interdisciplinary course. The course is offered as a mandatory course for all the U.G programs. The course includes the study of natural resources with emphasis on renewable energy resources, the importance of conserving the present ecosystem, promoting biodiversity, perils of environmental pollution and raising awareness on environmental and social issues. Open Elective courses under Choice based credit systems Disaster Management is offered as an open elective to understand various types of natural and man-made disasters, their occurrences, effects, mitigation and management systems in India, the role of Geographical Information Systems (GIS), and

Remote sensing technology in disaster mitigation and management. A course on Green buildings is also offered to emphasize the significance of eco-friendly materials, green building rating systems, etc. A course on "Non-conventional Energy sources" is offered to explain the generation of electricity from various non-conventional sources of energy such as solar, wind, ocean and geothermal energies acquire knowledge of their principles and utilization. Another Open elective course on "Industrial Pollution and its control" is offered to explain the effects of uncontrolled emissions from industries understand the various disposal methods and minimize pollution.

National Service Scheme: The College also has a vibrant NSS wing which encourages student participation in programmes like tree plantation, Swacch Bharat Abhiyan and bringing awareness on renewable energy sources, conservation of water and electricity. The Eco Club of the college conducts guest lectures on environmental awareness and celebrates Eco Week annually highlighting the importance of environmental conservation.

Gender Sensitization: 'Human Values and Professional Ethics' course includes a unit on Social responsibility inculcating civic sense and virtues highlighting issues related to the dignity of women at home and workplace. Discussions, debates and guest lectures pertaining to gender sensitization are arranged. International Women's Day is celebrated every year with active student participation. Also, special talks are arranged to encourage women to explore opportunities in science and technology.

The student counsellor counsels students on gender equality and other related issues. An exclusive committee consisting of women faculty and girl students is also functioning related to gender equality issues.

INTEGRATES CROSSCUTTING ISSUES
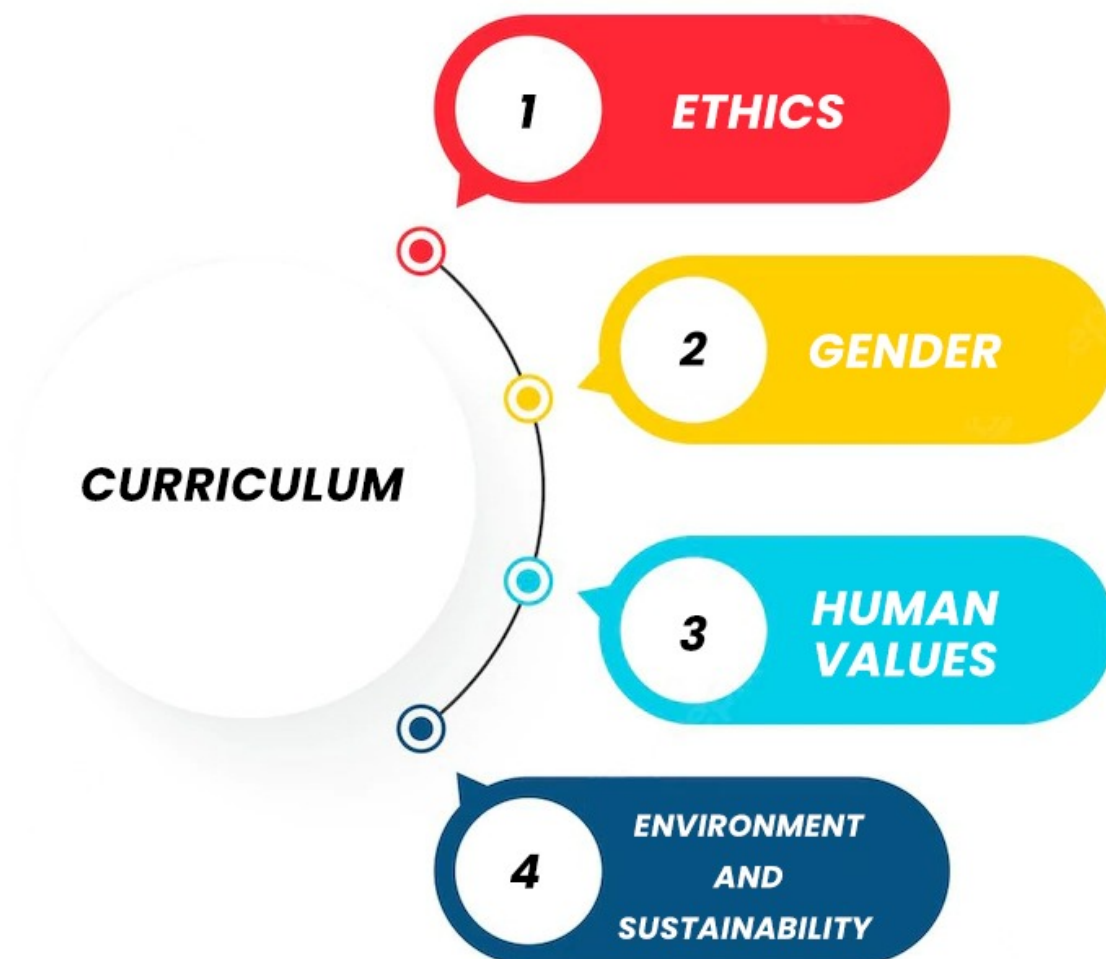
File Description	Document
Upload Additional information	[View Document](#)
Provide Link for Additional information	[View Document](#)

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

Response: 93.02

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

Response: 706

File Description	Document
Upload supporting document	[View Document](#)
Institutional data in the prescribed format	[View Document](#)

1.4 Feedback System

1.4.1 Institution obtains feedback on the academic performance and ambience of the institution from various stakeholders, such as Students, Teachers, Employers, Alumni etc. and action taken report on the feedback is made available on institutional website (Yes or No)

Response: Yes

File Description	Document
Upload supporting document	[View Document](#)

Criterion 2 - Teaching-learning and Evaluation

2.1 Student Enrollment and Profile

2.1.1 Enrolment percentage

Response: 41.38

2.1.1.1 **Number of students admitted year wise during last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
211	197	130	265	195

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

2021-22	2020-21	2019-20	2018-19	2017-18
384	354	558	588	528

File Description	Document
Upload supporting document	[View Document](#)
Institutional data in the prescribed format	[View Document](#)

2.1.2 Percentage of seats filled against seats reserved for various categories (SC, ST, OBC, Divyangjan, etc. as per applicable reservation policy) during the last five years (Exclusive of supernumerary seats)

Response: 54.16

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

2021-22	2020-21	2019-20	2018-19	2017-18
180	167	128	245	179

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

2021-22	2020-21	2019-20	2018-19	2017-18
263	242	385	406	364

File Description	Document
Upload supporting document	[View Document](#)
Institutional data in the prescribed format	[View Document](#)

2.2 Student Teacher Ratio

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

Response: 7.23

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 using ICT tools

Response:

College provides several experimental and virtual learning methods in individual laboratories to analyse the theoretical concepts of subjects through software programs in each department such as CAD, ANSYS, Solid works, Python program, PLC and Embedded program, etc., and also provides participative learning activities to impart the scope and objective of education to the engineering students. Also, Multimedia teaching aids like videos, online materials and PPT's are incorporated in the day-to-day teaching learning process that enhances the students' better understanding of the subject.

Experiential Learning

All class rooms have been established as smart classrooms to screen technological videos, PPT'S and online teaching to the students related to the relevant subjects in every semester. Various Guest lectures by experts from industries and academia are frequently organized by the respective departments to provide in depth knowledge of contents in the syllabus, to correlate the curriculum with the industry needs and also to provide knowledge beyond the prescribed syllabus which is towards the expectation of industries for better placement.

Participative Learning

The scope of learning widens giving students an education that is greater than the syllabus. Students are encouraged to organize and to participate in Inter-collegiate events such as symposium, project expo, national conference and international conference to bring out their talents. Students are organizing National level Departmental Symposium (an independent event) for the past six years and they continue to do the

same. Industrial visits, In-plant Training and Internship Training in organizations are arranged to give hands-on experience to the students.

In addition to academics, to be a socially responsible citizen, our college encourages the students to participate in NSS, Blood Donation camp, YRC, Entrepreneur Cell, Women Empowerment Club & all technical club activities with equal enthusiasm to develop their overall personality.

In addition to the traditional teaching-learning methods, the institute is providing innovative student centric methods such as Hackathons (1)Workshops (2)Seminars(3)Virtual Lab (4) Simulation (5) Role play (6) Review web literature (7) Video (8) Demonstration(9), Activity-based learning(10), Jigsaw (11) Think-Pair-Share (12), Flipped Classroom(13) Industry Visits(14)Guest lecture (15) Professional practice school (16) GD/ debate (17) Google Classroom(18)Project- based learning(19), Real-time case studies (20), Worksheets(21) PPT(22), Internship(23) Mind map(24)Journal Review(25) Industrial Visit (26)Open book test(27)Proto-type model (28) Research projects (29)Language games (30) Viva (31)Poster presentation(35), Public Speaking

Problem Solving Methodologies

Tutorial classes form a part of the course delivery to inculcate problem solving skills among the students to supplement regular teaching learning process. The problem solving ability is further emphasized by incorporating questions on case studies (Part C) in the internal assessment tests.

In addition to general aptitude and logical reasoning classes, second and third year students are offered value added programs which improve their problem solving skills. Hackathons are arranged for students to test their coding skills and work on interesting real world challenges. HackerRank programming contests are conducted on weekly basis to help students improve their programming skills.
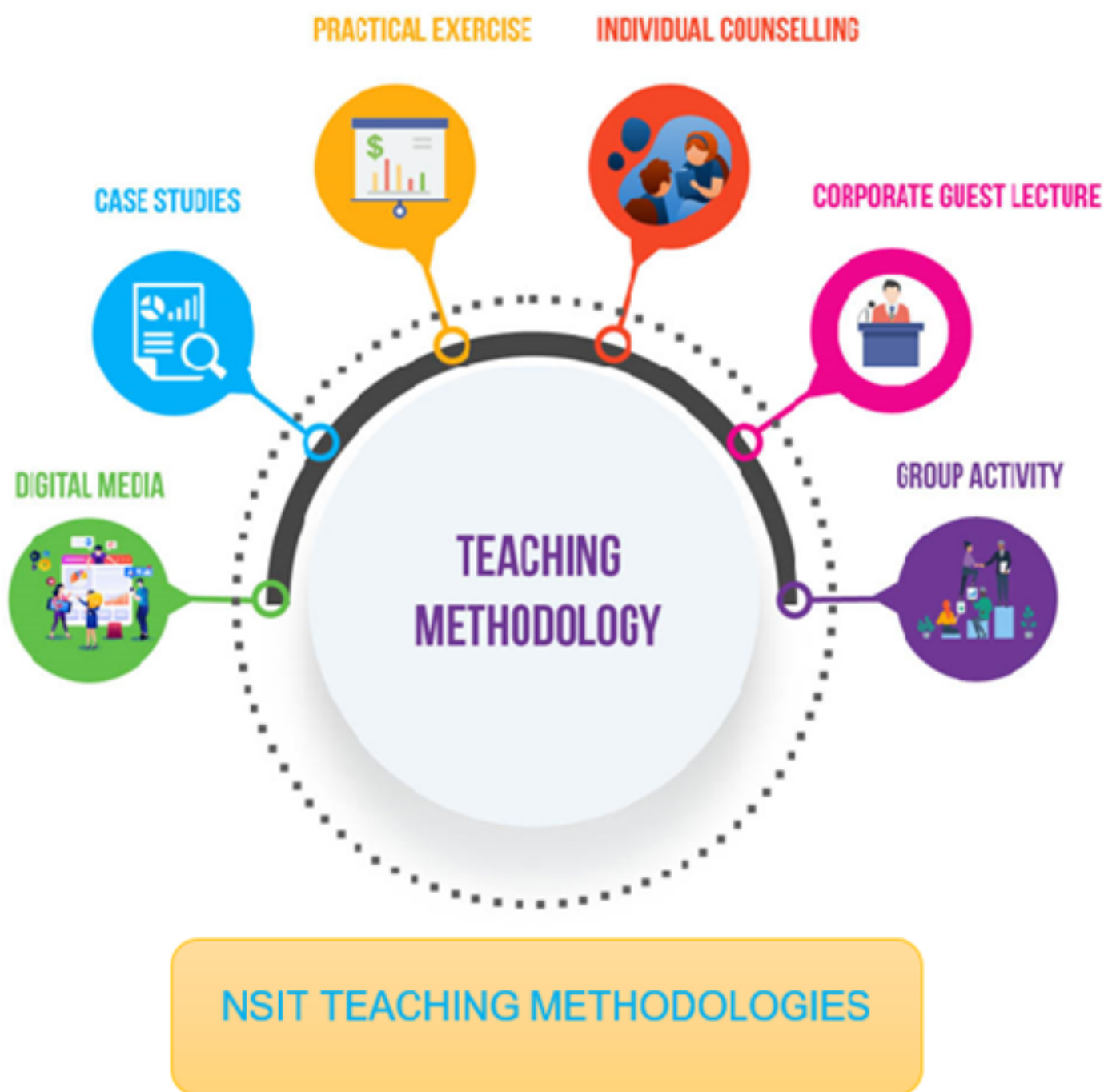
File Description	Document
Upload Additional information	[View Document](#)
Provide Link for Additional information	[View Document](#)

2.4 Teacher Profile and Quality

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

Response: 100

2.4.1.1 Number of Sanctioned posts / required positions for teaching staff/ full time teachers year wise during the last five years:

2021-22	2020-21	2019-20	2018-19	2017-18
105	140	150	152	152

File Description	Document
Upload supporting document	[View Document](#)

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

Response: 10.3

2.4.2.1 **Number of full time teachers with NET/SET/SLET/Ph. D. / D.M. / M.Ch. / D.N.B Superspeciality / D.Sc. / D.Litt. year wise during the last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
13	11	20	17	11

File Description	Document
Upload supporting document	[View Document](#)
Institutional data in the prescribed format	[View Document](#)

2.5 Evaluation Process and Reforms

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

Response:

NSIT is affiliated with Anna University, Chennai. The rules and regulations for the internal/external assessment are laid down by the university. The first-year students are made aware of the evaluation processes through induction programs. The university allows 80% marks for the end-semester exams and 20% internal marks. The internal Assessment marks are uploaded to the University web portal periodically based on the assessment schedule provided by the university.

At Institution Level:

Three internal assessment tests (IAT) are conducted per semester. Internal Assessment test Schedules are mentioned in the Academic Calendar of every semester. The timetable for the same is announced two weeks prior to the commencement of the Internal Assessment Test. The seating plan and table marking are followed even for internal assessment tests. Faculty members should set their Course question papers and all the subject question papers duly signed by the Head of the department and Principal are handed over to the internal examination cell four days prior to the respective exam. After the successful completion of the Internal assessment test, internal marks are uploaded to the Institute ERP portal and University web portal as per the University schedule. Students can view their internal marks in their own login to the University. Grievances identified in the internal assessment test for the student are rectified by the internal examination cell Coordinator and Principal.
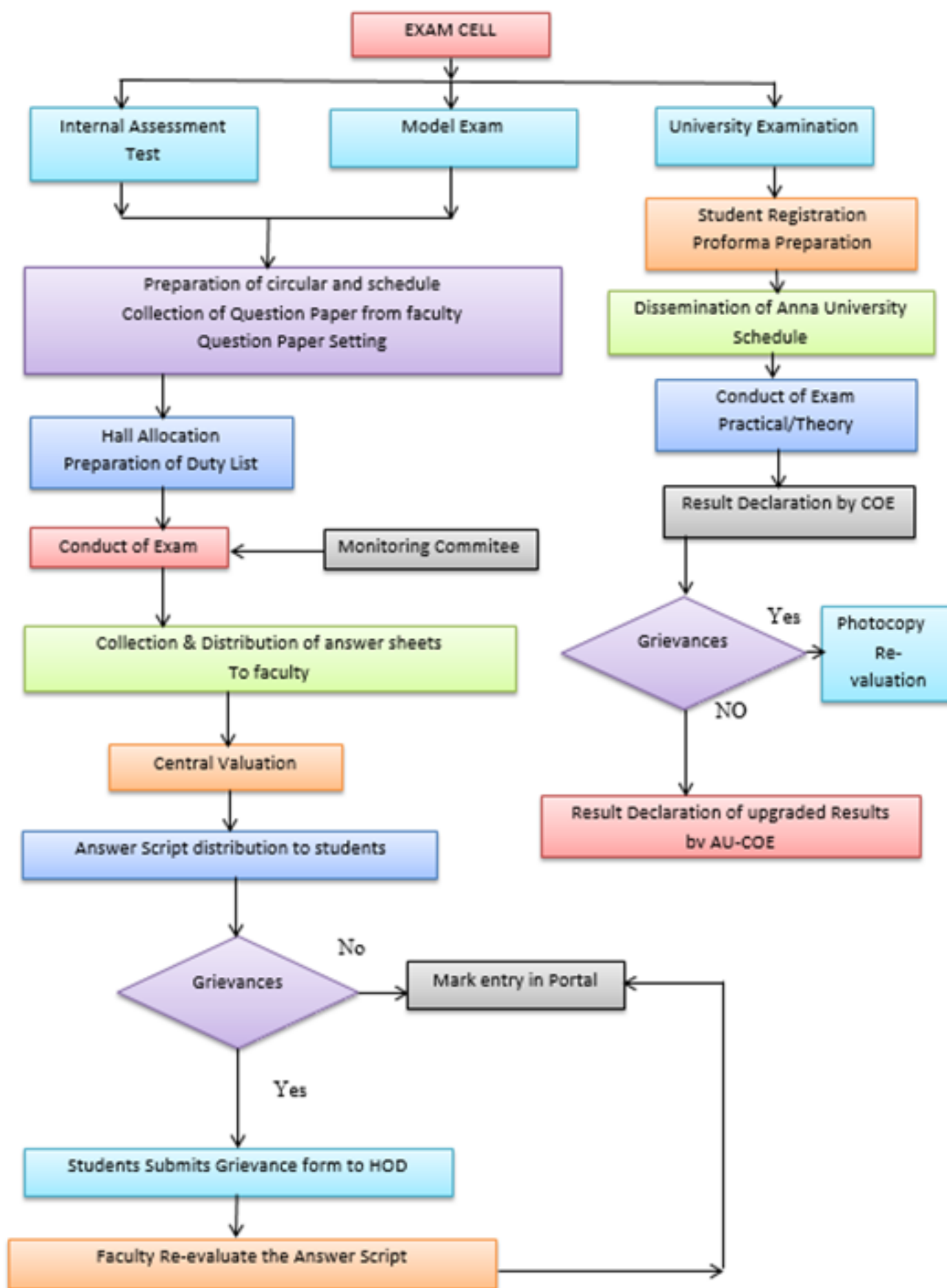
At University Level:

Students are permitted to appear for the semester examination after they registered for courses according to Anna University regulations. The hall tickets are issued to the students well in advance. Any grievance related to the hall ticket like printing of the wrong name or delay in issuance is addressed by the exam cell. After Successful conduction of the University examination, Students are getting every university semester's results through their own login in the University portal.

Grievances identified regarding the Anna University examination results such as applying photocopy, revaluation, and review process for the results they obtained, and other grievances like the correction in the grade sheet (DOB, printing mistakes, duplicate grade sheet, etc.) are rectified by College university examination cell and Control of examination of Anna University, Chennai. The issues of the students are addressed with high priority.

Challenge Evaluation:

 If the re-evaluation results are not satisfactory, a student can apply for challenge evaluation within a week after the announcement of the results. This evaluation process is carried out in the presence of students by two subject experts; one represents the institution and the other from the university.

```
                              EXAM CELL

   ┌──────────────┐      ┌──────────────┐      ┌──────────────────────┐
   │   Internal   │      │  Model Exam  │      │ University Examination │
   │  Assessment  │      │              │      │                        │
   │     Test     │      │              │      │                        │
   └──────────────┘      └──────────────┘      └──────────────────────┘
                                                          │
                                                          ▼
   ┌──────────────────────────────────────┐   ┌──────────────────────┐
   │  Preparation of circular and schedule │   │  Student Registration │
   │  Collection of Question Paper from    │   │  Proforma Preparation │
   │  faculty                              │   └──────────────────────┘
   │  Question Paper Setting               │              │
   └──────────────────────────────────────┘              ▼
                       │                       ┌──────────────────────┐
                       ▼                       │ Dissemination of Anna │
   ┌──────────────────────┐                    │ University Schedule   │
   │  Hall Allocation      │                   └──────────────────────┘
   │  Preparation of Duty  │                              │
   │  List                 │                              ▼
   └──────────────────────┘                   ┌──────────────────────┐
                       │                       │  Conduct of Exam      │
                       ▼                       │  Practical/Theory     │
   ┌──────────────┐  ┌──────────────────┐      └──────────────────────┘
   │ Conduct of   │◄─│   Monitoring      │                │
   │ Exam         │  │   Commitee        │                ▼
   └──────────────┘  └──────────────────┘      ┌──────────────────────┐
                       │                        │ Result Declaration    │
                       ▼                        │ by COE                │
   ┌──────────────────────────────────────┐    └──────────────────────┘
   │ Collection & Distribution of answer   │               │
   │ sheets To faculty                     │               ▼
   └──────────────────────────────────────┘        ◇ Grievances ◇ ── Yes ──► ┌──────────┐
                       │                                    │                 │ Photocopy│
                       ▼                                    NO                │ Re-      │
   ┌──────────────┐                                         ▼                 │ valuation│
   │ Central      │                            ┌──────────────────────┐       └──────────┘
   │ Valuation    │                            │ Result Declaration of │
   └──────────────┘                            │ upgraded Results      │
                       │                        │ by AU-COE             │
                       ▼                        └──────────────────────┘
   ┌──────────────────────────────────────┐
   │ Answer Script distribution to students│
   └──────────────────────────────────────┘
                       │
                       ▼
                ◇ Grievances ◇ ── No ──► ┌──────────────────┐
                       │                 │ Mark entry in     │◄────┐
                      Yes                │ Portal            │     │
                       ▼                 └──────────────────┘     │
   ┌──────────────────────────────────────┐                      │
   │ Students Submits Grievance form to HOD│                      │
   └──────────────────────────────────────┘                      │
                       │                                          │
                       ▼                                          │
   ┌──────────────────────────────────────┐                      │
   │ Faculty Re-evaluate the Answer Script │──────────────────────┘
   └──────────────────────────────────────┘
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File Description	Document
Upload Additional information	[View Document](#)
Provide Link for Additional information	[View Document](#)

2.6 Student Performance and Learning Outcomes

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

Response:

The Institute switched over to Outcome Based Education (OBE) in year to impart education through student centric approach and follow outcome oriented teaching learning process. Programme Outcomes (POs), Programme Specific Outcomes (PSOs), and Course Outcomes (COs) have been formulated for all the UG and PG programs. Programme Outcomes (POs) represent the graduate attributes formulated as per as per affiliated University. Programme Specific Outcomes (PSOs) are specifically defined outcomes of the programme which the graduates have to acquire by the end of the programme. Program Outcomes (POs), Program Specific Outcomes (PSOs) of all the UG and PG Programmes have been disseminated to the teachers and students.

Electronic Media /Location	Communication media
Webpage	Web site (http://www.nsit.edu.in)
Artificial Intelligence and Data science	https://www.nsit.edu.in/nsit-ai-dsPeo.aspx
Computer science and Engineering	https://www.nsit.edu.in/nsit-csePeo.aspx
Electronics and Communication Engineering	https://www.nsit.edu.in/nsit-ecePeo.aspx
Electrical and Electronics Engineering	https://www.nsit.edu.in/nsit-eeePeo.aspx
Information Technology	https://www.nsit.edu.in/nsit-it.aspx
Mechanical Engineering	https://www.nsit.edu.in/nsit-mechPeo.aspx
Department Corridors	Printed Boards
Class Rooms	Printed Boards
Laboratories	Printed Boards
Teaching Materials	Log Book/Lab Manuals

Course Outcomes (COs) are statements that describe essential learning that students should achieve, and can reliably demonstrate it at the end of a course.

The Course (learning) outcomes define the knowledge skills and behaviour that a student should be able to demonstrate. The course outcomes for each course are prepared by the course coordinator. For every course, 4 to 6 COs as recommended by NBA are drafted addressing most of the applicable levels of Blooms Taxonomy incorporating knowledge, skill and attitude. These COs are modified and reframed, in accordance with the changes in Curriculum and revised as per the need from time to time. These COs are discussed and finalized in the Board of Studies (BoS) of the respective programmes. The COs of every course are published in the college webpage (https://www.nsit.edu.in/nsit-ecePeo.aspx)

Correlation matrices are generated to link Courses with their outcomes, POs and PSOs. These matrices specify the correlation in terms of high, medium and low (3, 2 and 1 respectively) indicating the levels. The average mapping of Program outcomes for the given program is obtained by averaging the levels of mapping for each of the courses. Similarly the averaging is done for Program specific outcomes as well. These COs, POs and PSOs are circulated to all the students and staff through conference brochures, proceedings and Faculty Development programs.

POs and PSOs are displayed in the Department, Laboratories, Department Library, Seminar Hall and the same is also disseminated to students

While addressing the students, the course handling faculty members create awareness on COs, POs and PSOs. The HOD, faculty members, class in charges, Faculty in charges , also inform the students and create awareness and emphasize the need to attain the outcomes.

To evaluate, whether corresponding COs are achieved or not. According to the performance of the student in answering each question, mapping is carried out with the respective COs for assessing the attainment level of the specific CO of the subject.
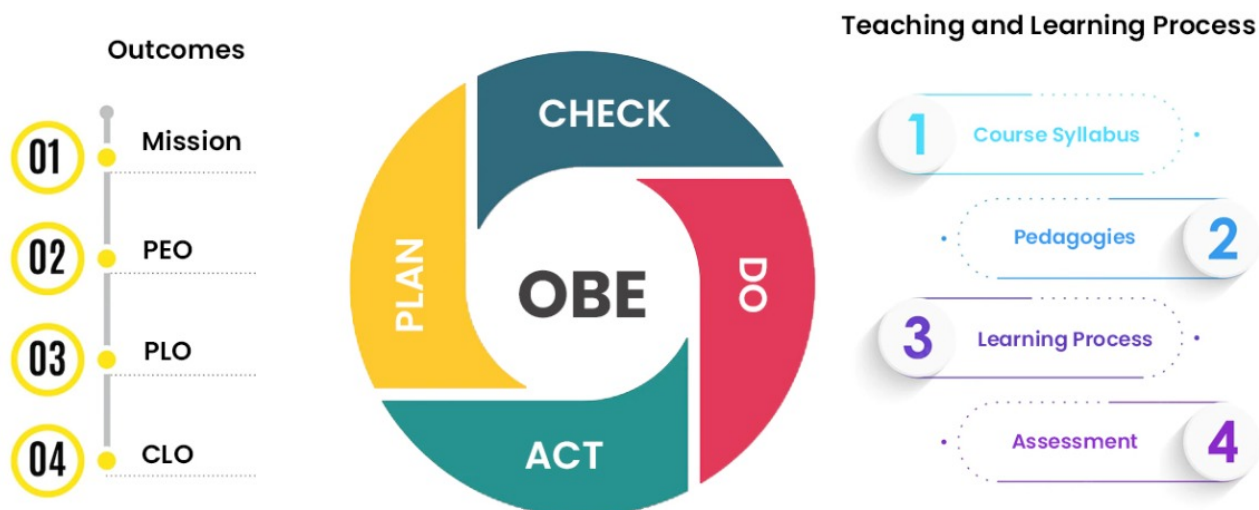
File Description	Document
Upload Additional information	[View Document](#)
Provide Link for Additional information	[View Document](#)

2.6.2 Pass percentage of Students during last five years

Response: 89.47

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

2021-22	2020-21	2019-20	2018-19	2017-18
215	197	164	174	168

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

2021-22	2020-21	2019-20	2018-19	2017-18
224	198	165	248	191

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

2.7 Student Satisfaction Survey

2.7.1 Online student satisfaction survey regarding teaching learning process

Response: 3.86

File Description	Document
Upload database of all students on roll	[View Document]

Criterion 3 - Research, Innovations and Extension

3.1 Resource Mobilization for Research

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

Response: 15.63

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

2021-22	2020-21	2019-20	2018-19	2017-18
4.005	5.83	2.54	3.01	0.24

File Description	Document
Upload supporting document	[View Document](#)
Institutional data in the prescribed format	[View Document](#)

3.2 Innovation Ecosystem

3.2.1 Institution has created an ecosystem for innovations and has initiatives for creation and transfer of knowledge

Response:

Introduction

An eco-system has been created in the institution to promote innovation, transfer of knowledge and entrepreneurship. The Innovation Entrepreneurship Development Cell (IEDC) has been set up in the year 2015 for nurturing innovative ideas from the students. An amount of Rs. RS.32, 000/-has been sanctioned by Entrepreneurship Development Institute of India to establish IEDC in the institution for five years starting from the academic year 2018. As part of this initiative, Ideation contests were conducted every year. The students participated in large number and showed enthusiasm towards presenting innovative ideas and problem-solving practices.

Institution Innovation Cell

The institute provided necessary facilities and financial support to conceptualize and execute each of these projects. A Committee consisting of experts from diverse fields representing industry, banking and other allied areas are involved in the short listing the innovative ideas for pursuing further action like business plans. The Institution is an active member in Institution Innovation Council activities (IIC) and conducts various programmes for creating an awareness among students regarding business plans, start-ups and

research activities. It is also a member in professional technical bodies like ISTE, CSI, CII, IETE, ICT Academy, IEI (Institution & Individual). The institution has a very active Entrepreneur Development Cell that encourages students to become self-employed and generate successful start-ups while still in college.

Projects

The R.P. Sarathy Incubation Centre is an approved Centre of Entrepreneur Development which nurtures the students to earn while they learn.

As part of choice based education system, the students are encouraged to take up co- curricular activities involving theme based projects which culminate into creation of innovative concepts helpful for the society. Students are encouraged to work on live projects. As part of their project work, students are encouraged to participate in code development activities such as Smart India Hackathons, Debugging and Coding contests etc., which train the students towards problem solving, testing and software development.

Innovation based Activities

Faculty is encouraged to conduct research activities and make publications in the journals of repute for knowledge sharing. The institution has the practice of conducting various Seminars, Symposiums, FDPs, workshops and conferences periodically for creation and sharing of knowledge. They are also encouraged to contribute to national and international conferences conducted outside the institution as part of this initiative. Similarly some of the faculty members have published technical books for knowledge creation and transfer. The faculty are also encouraged to work towards Intellectual Property rights for their innovative concepts and knowledge sharing. The faculty delivers guest lectures and expert lectures to other institutions as part of knowledge sharing. They have also successfully conducted funded programmes through ICSSR and worked on Government projects like TNSCST projects, AICTE Karma Projects etc.

File Description	Document
Upload Additional information	[View Document](#)
Provide Link for Additional information	[View Document](#)

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

Response: 108

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

2021-22	2020-21	2019-20	2018-19	2017-18
23	27	21	15	22

File Description	Document
Upload supporting document	[View Document](#)
Institutional data in the prescribed format	[View Document](#)

3.3 Research Publications and Awards

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

Response: 0.67

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

2021-22	2020-21	2019-20	2018-19	2017-18
31	24	23	26	31

File Description	Document
Upload supporting document	[View Document](#)
Institutional data in the prescribed format	[View Document](#)

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

Response: 0.18

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

2021-22	2020-21	2019-20	2018-19	2017-18
8	12	4	7	5

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

3.4 Extension Activities

3.4.1 Extension activities are carried out in the neighborhood community, sensitizing students to social issues, for their holistic development, and impact thereof during the last five years.

Response:

Introduction

Extension activities are encouraged to be taken up by the students in order to fulfil the aspirations of Vision and mission statements of the institution. Holistic development of the individual is the aim with which the students are encouraged for participation in extension activities through agencies such as NSS, clubs and societies. The institution has an active NSS wing which takes up projects like keeping the Villages clean and green, doing community service by conducting awareness drives through street cause to educate people on literacy and cleanliness, organizing blood donation camps and alike.

Covid Care Centre

During Second wave COVID 19 Period, Salem district administration was facilitated COVID-19 care centre at Salem Steel plant with 500 beds. Our college has extend the support to create the COVID 19 care centre with district administration team to uplift the affected people's lives.

Activities for holistic development

The students feel a sense of responsibility and believe that they need to give back to society and the environment what they have taken. Our NSS Unit student volunteers take up social service activities such as special camps in adopted villages, service to orphanages, tree plantation, and flood relief camps. All these programs develop in the students a sense of responsibility, accountability, integrity and human values towards achieving the vision and mission of the institution.

The students and faculty participated actively in the relief camp for the Chennai floods. Our students collected relief material from the neighborhood and also within the college and participated in the relief camp actively. Our students actively participated in the cleaning nearby village as part of Swatch Bharat initiatives.

Our first first year B.E students Encouraging to participate orphanages, home for blind and correctional centre to make them aware of the societal issues. As part of holistic development of the students, credit courses are offered on human values and professional ethics as well as environmental studies. Guest lectures are organized at periodic intervals by inviting experts from outside to sensitize on social issues such as drug abuse, traffic regulations, voter responsibilities, anti ragging, cyber crimes etc.

The NSS, NCC and Unnat Bharat Abhiyan unit of Narasu's Sarathy Institute of Technology had jointly

organized **Blood Donation Camp** in the college premises in association with Tamil Nadu AIDS control society and State Blood Transfusion council, Chennai on 10.09.2018, 30.08.2019 and 31.12.2021.In addition, NSS team doing many medical service to the nearby villages and Government schools in association with Government Hospital, Kadayampatti. Village Panchyat.

Medical camps are organized in the neighborhood for the benefit of society as part of NSS activities. The institution participated and hosted an eye camp in the name of "R P SARATHY EYE CAMP". People in and around of villages , Students and staff of the institute got benefitted through this program.
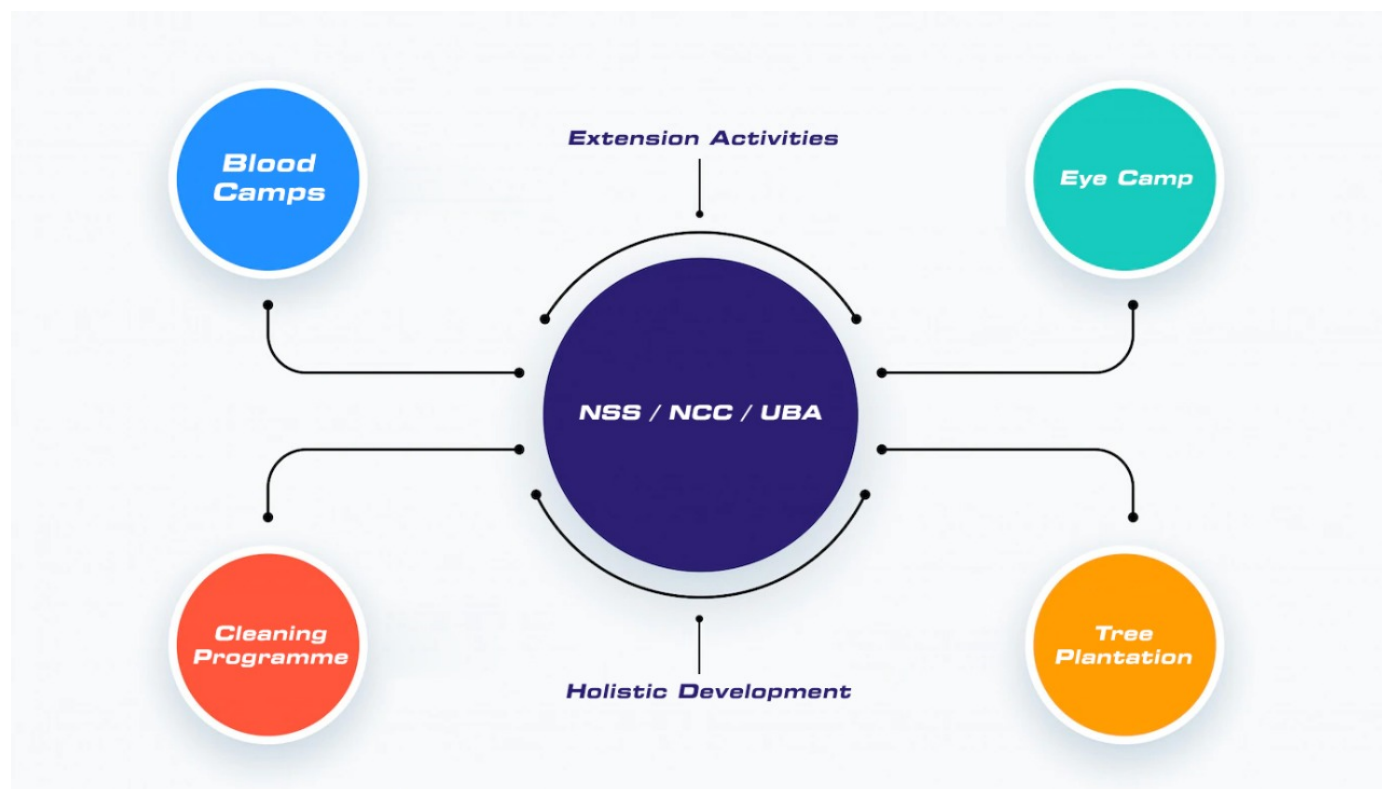
File Description	Document
Upload Additional information	[View Document](#)
Provide Link for Additional information	[View Document](#)

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

Response:

Introduction

Our students have participated regularly in many events organized by the various college and other organization. Besides, our campus is identified as a central venue for Government activities like Higher Education Awareness Programs, Public grievances days, Medical camps, Blood donation camps,

COVID-19 vaccination camps, School Campus cleaning program, Temple premises cleaning program, Awareness rally, Tree planation , Village cleaning program, Eye camps, and Frequent medical camps etc. These Corporate Social Responsibility (CSR) activities are greatly appreciated by the Government officials and our participation is appreciated by Government officials.

Award for COVID 19 care center

During Second wave COVID 19 Period, Salem district administration was facilitated COVID-19 care centre at Salem Steel plant with 500 beds. Our college has extend the support to create the COVID 19 care centre with district administration team. To recognise this support, Salem district administration presented a recognition certificate to our college during 74th Independence Day celebration held at district collectorate, Salem.

With the motto 'Donate Blood, Donate Life', We took some time off from regular academic schedule for a noble cause and organized a voluntary blood donation camp in our college campus which received an excellent response from the students and staff. This serves as a motivating factor for the donors; encouraging them to actively participate in blood donation camps in the future and contribute towards society.

Blood Donation Camp Award

The NSS, NCC and Unnat Bharat Abhiyan unit of Narasu's Sarathy Institute of Technology had jointly organized **Blood Donation Camp** in the college premises in association with Tamil Nadu AIDS control society and State Blood Transfusion council, Chennai on 10.09.2018, 30.08.2019 and 31.12.2021. In the blood donation camp above 100 NSS, NCC and UBA volunteers are donate their blood. Blood bank medical officer from Tamil Nadu AIDS control society and State Blood Transfusion council, Chennai extended his deep satisfaction to the Chairman and Principal of our college and presented certificate as a mark of recognition to the college.

Eye Camp Recognition

From the academic year 2021-22 our college is conducting frequent eye check-up camps periodically in association with Aravind eye hospitals. The eye camps are conducting Salem, Dharmapuri District villages. A village with a population of ten to twenty thousand including the surrounding areas in an accessible radius of 5 Kms is selected for conducting an eye camp. A convenient venue such as a large school building in the area and a suitable date which does not interfere with local festivals, marriages and other functions or with other camps will be selected for conducting the camp.

NSIT Delegate a separate team of members and NSS/NCC Volunteers to look after the community mobilization. College team will take care of Publicity of the camps, sponsor for effective execution and entire eye camp activity.   For this activity, Aravind eye hospitals express their gratitude through Recognition letter for every camp.

In addition, NSS team doing many medical service to the nearby villages and Government schools in association with Government Hospital, Kadayampatti. Village Panchyat and Government health centre has presented Recognition certificates and letter for recognising our voluntarism.
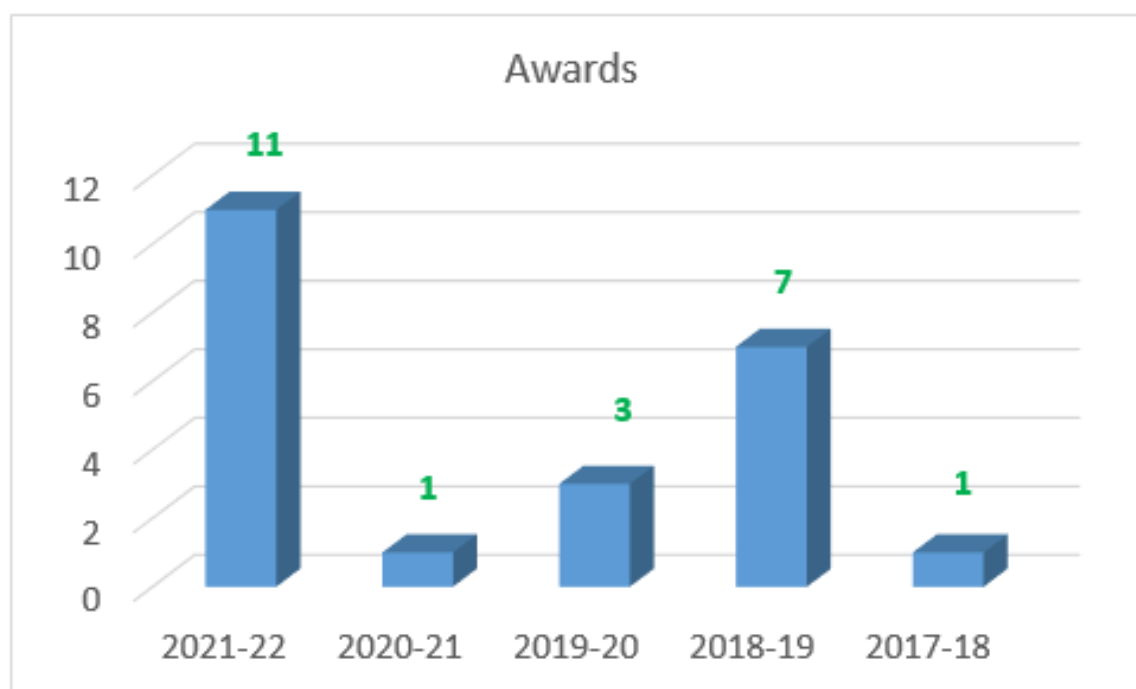
File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

3.4.3 Number of extension and outreach programs conducted by the institution through NSS/NCC/Red cross/YRC etc., (including the programmes such as Swachh Bharat, AIDS awareness, Gender issues etc. and/or those organised in collaboration with industry, community and NGOs) during the last five years

Response: 93

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**

2021-22	2020-21	2019-20	2018-19	2017-18
36	9	17	24	7

File Description	Document
Upload supporting document	[View Document](#)
Institutional data in the prescribed format	[View Document](#)

3.5 Collaboration

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

Response: 79

File Description	Document
Upload supporting document	[View Document](#)
Institutional data in the prescribed format	[View Document](#)

Criterion 4 - Infrastructure and Learning Resources

4.1 Physical Facilities

4.1.1 Availability of adequate infrastructure and physical facilities viz., classrooms, laboratories, ICT facilities, cultural activities, gymnasium, yoga centre etc. in the institution

Response:

Narasu's Sarathy Institute of Technology has a beautiful landscape, aesthetic architecture, eco-friendly environment, spacious classrooms, well equipped laboratories and good infrastructure spread over 22.5 acres. Classrooms The Institute has well-furnished, spacious and well ventilated classrooms which are also well illuminated. Classrooms are maintained as per norms for proper visibility and audibility. The classrooms are equipped with adequate furniture, blackboard, projectors, fans, lights and power backup.

ICT Enabled class rooms

The class room, laboratories, seminar halls & Conference hall has equipped with LCD projectors and screens, audio systems, white boards and a computer with Internet connectivity. The smart class room facilitated with Interactive boards and other ICT facilities.

Laboratories

The Institution has domain centric laboratories as per the regulations of AICTE and Anna University. Adequate and well-maintained equipment to conduct experiments is provided. The laboratories are kept open beyond the working hours depending on the need of the students. Sufficient safety measures have been incorporated and are displayed at strategic locations in the laboratories.

Library

The institution recognizes the importance of the library as a good learning resource. It is updated regularly with the latest books & journals such as MAT Journals. The central library has a facilitated with Library management Software (Lips iNET), reading space, reprographic facilities, Digital library. DELNET, National Digital Library of India (NDLI) membership for access e-resources. The digital library facilitated with internet facility. It enables student's remote access to DELNET e-journals.

Sports

A spacious play ground is available for outdoor and indoor games like Cricket, Football, Volleyball, Athletics, Throw Ball, Kho-Kho and Kabaadi, Table tennis, Carroms, Badminton and Chess. The Physical director have separate room for monitor the sports activities.

Cultural Activities

The students participate in the various cultural events organized during N'FEST & YUVA-the college cultural fest. With systematic and generous support from the college and overwhelming participation of students from all the department. We have been able to incorporate clubs to facilitate all-round development.

Yoga centre and Gymnasium

Awareness on Yoga and its practice has been included in the student induction programme besides which Yoga Day is celebrated every year in the institute. Besides, college has a well-equipped gymnasium and yoga centre which is made used by the students and staff thus enabling a stress free & a healthy environment.

Transport, medical and canteen facilities

The institute provides transport facilities for the students and staff from and to various parts of the city. A health care center provides first aid facilities and has a tie up with a nearby hospital for any medical emergencies.

Canteen facilities are also provided for students& staff which has adequate seating capacity. Food served is hygienically prepared and subsidized.

Miscellaneous

The Amenities and facilities also include well maintained Lift, Wheel chair for Physically challenged students , Ro water plant, Fire Extinguisher, Sanitary napkin vending machine, Water Purifier, CCTV Surveillance, Solar plant , Gen set, Biogas plant, and Rainwater harvesting. College has provisions of NSS and NCC cell for the extension activities to the neighbourhood Community development.
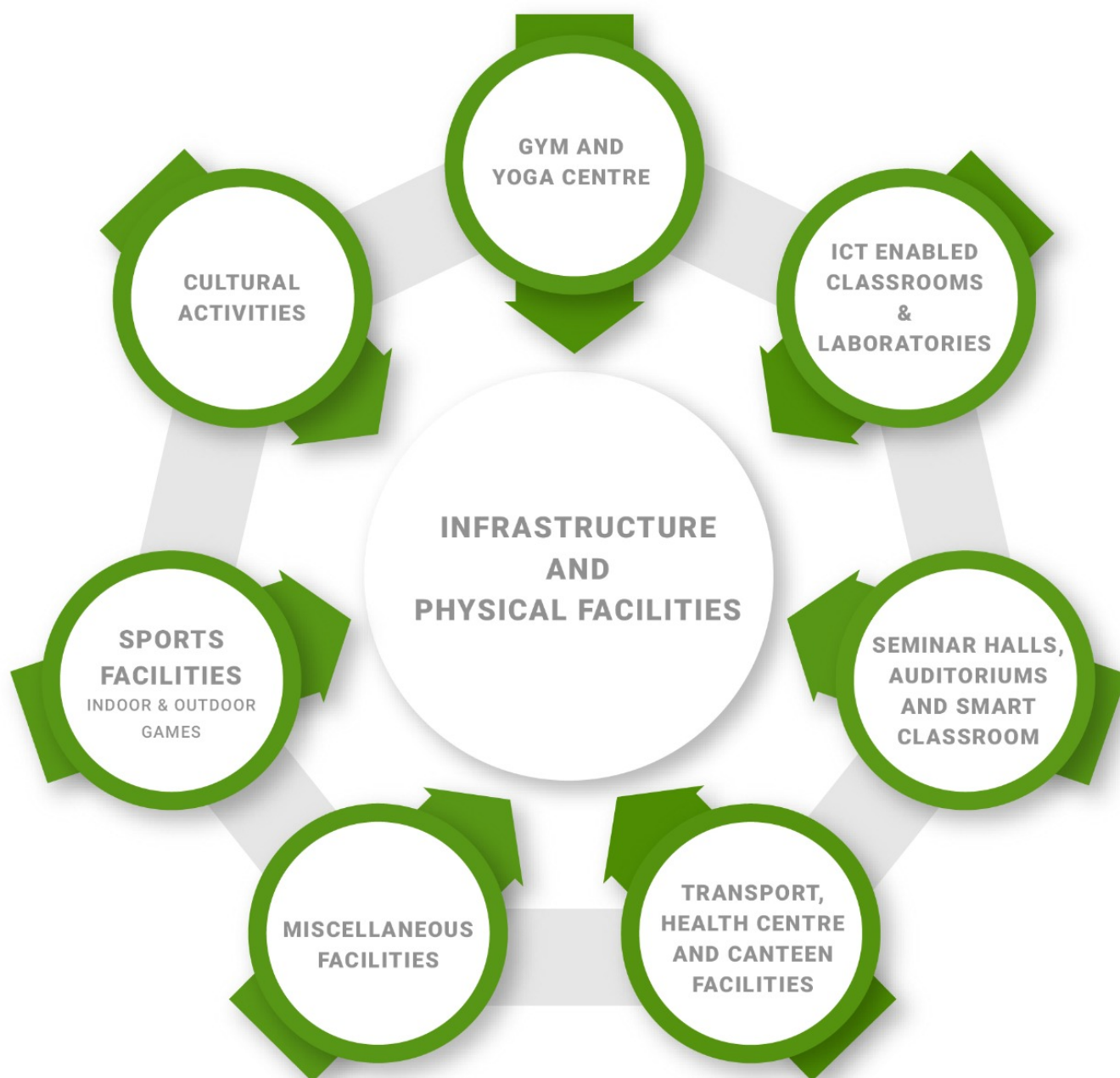
File Description	Document
Upload Additional information	[View Document](#)
Provide Link for Additional information	[View Document](#)

4.1.2 Percentage of expenditure, excluding salary for infrastructure augmentation during last five years (INR in Lakhs)

Response: 9.79

4.1.2.1 **Expenditure for infrastructure augmentation, excluding salary during the last five years (INR in lakhs)**

2021-22	2020-21	2019-20	2018-19	2017-18
11.89	13.52	17.32	40.75	66.04

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

4.2 Library as a Learning Resource

4.2.1 Library is automated using Integrated Library Management System (ILMS), subscription to e-resources, amount spent on purchase of books, journals and per day usage of library

Response:

ILMS - Library Automation

Narasu's Sarathy Institute of Technology, have enabled library with Dolphin- LIPS iNET 5.0 Library management Software (LMS) with perceptual license. Dolphin LIPS iNET 5.0 Software Supports for Circulation Control of Book issue & return Entry , Online Public Access Catalogue with Title & Periodical wise Search, General Book Reports in Accession No./Title/Author/Publisher wise. Additionally LIPS iNET 5.0 software help to track the book in the library and books can be classified by genre, author, subject, and Publisher. It can be used for search of lost/misplaced books is possible in a very short time. Multiple audits ensure a well maintained library with easy accessibility of books.

Catalogue:

Catalogue module is used for retrospective conversion of library resources.

The strong features of catalogue module are

1. Allows user-generated customized reports
2. Facilitates authority database of person name
3. Corporate body, subject headings and series name
4. Master database of publishers

Scanning Technology

Library is using systems application and product software for library automation and has implemented bar-coded Scanning. All the books are bar coded and bar code laser scanner are used in circulation counter for book transaction. The searching , systematic shelving and circulation of books and journals are made

easier by bar code technology after entering the details recording the books / journals in t the data base , bar code are printed on the adhesive labels according to the accession number of the book / journals . User id contain the bar coded library reference number of the staff and students.

Circulation:

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

Subscription to e-resources

The college library has various institutional membership for e resources and e journals. The institute has a membership for National digital library of India (NDLI), NPTEL active local chapter and digital library with 50 mbps leased line connected to computer in the library. Direct access to online paid (849 DELNET e journals). Faculty publication and students publication are accessible in the library. The library has NPTEL video Courses, SWAYAM program and other e -learning resources initiated by government of India. The library can access via https://www.nsit.edu.in/nsit-Library.aspx

Usage of Library

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

File Description	Document
Upload Additional information	[View Document](#)
Provide Link for Additional information	[View Document](#)

4.3 IT Infrastructure

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

Response:

The Institute has ICT-enabled classrooms, well-equipped laboratories, sports facilities, and good infrastructure spread over 22.5 acres with lush lawns, beautiful landscapes, aesthetic architecture, and an eco-friendly environment. The classrooms are well-furnished, spacious with good ventilation, and well illuminated. They are maintained as per norms for proper visibility and audibility.

The college has established a high-speed campus-wide network connecting all departments with 426 systems. Full access is provided to all staff to access online sources of services and information through two leased lines each of 50 Mbps from Airways Communication and also a 50 Mbps. Broadband from AIRTEL FIBERNET.A fully distributed computing environment based on clusters of workstations and PCs provides users with ready access to computing resources, services software, and applications. The environment is tailored to the specific teaching/learning needs of each department.

Computing resources

NSIT has excellent IT facilities for students and faculty. 450 Computer systems are available in the campus with LAN connection. The highly configured system available is the i5 processor 11th Gen at 2.60GHz 2.59 GHz with 16 GB RAM, 250 GB SSD, and 1TB HDD. There are 2 servers available in the server room to provide network connectivity in the campus.

Wi-fi Campus

Internet facility provided through Airways communication with a bandwidth of 50 Mbps. By estimating the volume of data transmission, the bandwidth will be further increased during an ad hoc situation. For essential services Airways communication as a secondary backup with 50 Mbps is available. The computers in the different departments are interconnected with LAN through switches. The entire campus has various Wi-Fi access points to access educational resources.

E-Services

The college website provides all the essential information for the stakeholders. Updates in technology shared by faculty as blogs in the website in case of emergency, and Google classroom used for the teaching-learning process. In an Emergency situation, the class notes assignments are uploaded in Google classrooms. A bulk ERP-SMS facility is also available to communicate important messages to all students and faculty. Webinar and Alumni talk series in a collaborative manner, Google meet license is purchased for Google rooms.

Updating the IT Facilities

Based on the gradual increase in the student's strength, the number of systems in all the laboratories is updated. As per AICTE norms, the student to the computer ratio is maintained as 1.93:1. Based on the requirements, necessary software and hardware devices, computer systems and its peripheral devices are purchased. To carry out project activities, highly configured systems are provided in the laboratories in the campus.

CCTV surveillance

The NSIT campus has a complete CCTV camera system. It helps in monitoring the activities of the students especially during the exam time and also a better security performance that will make it much easier to regularly monitor the daily activities of the students, staff, workers, and members of the public inside the campus.

File Description	Document
Upload Additional information	[View Document](#)
Provide Link for Additional information	[View Document](#)

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

Response: 1.93

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

Response: 393

File Description	Document
Upload supporting document	[View Document](#)

4.4 Maintenance of Campus Infrastructure

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

Response: 37.86

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

2021-22	2020-21	2019-20	2018-19	2017-18
101.76	59.08	144.50	144.26	128.62

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

Criterion 5 - Student Support and Progression

5.1 Student Support

5.1.1 Percentage of students benefited by scholarships and freeships provided by the Government and Non-Government agencies during last five years

Response: 94.77

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

2021-22	2020-21	2019-20	2018-19	2017-18
750	725	669	813	740

File Description	Document
Upload supporting document	[View Document](#)
Institutional data in the prescribed format	[View Document](#)

5.1.2 *Capacity building and skills enhancement initiatives taken by the institution include the following*

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

Response: A. All of the above

File Description	Document
Upload supporting document	[View Document](#)
Institutional data in the prescribed format	[View Document](#)

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

Response: 98.9

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

2021-22	2020-21	2019-20	2018-19	2017-18
735	724	703	878	818

File Description	Document
Upload supporting document	[View Document](#)
Institutional data in the prescribed format	[View Document](#)

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

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

Response: A. All of the above

File Description	Document
Upload supporting document	[View Document](#)

5.2 Student Progression

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

Response: 67.61

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

2021-22	2020-21	2019-20	2018-19	2017-18
200	82	76	137	125

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

2021-22	2020-21	2019-20	2018-19	2017-18
225	198	165	248	191

File Description	Document
Upload supporting document	[View Document](#)
Institutional data in the prescribed format	[View Document](#)

5.2.2 Percentage of students qualifying in state/national/ international level examinations during the last five years (eg: JAM/CLAT/GATE/ GMAT/ CAT/ GRE/ TOEFL/ Civil Services/State government examinations)

Response: 90.48

5.2.2.1 *Number of students qualifying in state/ national/ international level examinations (eg: JAM/CLAT/NET/ SLET/ GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/ Judicial Services/Public Prosecution services/All India Bar Exams/State government examinations) year wise during last five years*

2021-22	2020-21	2019-20	2018-19	2017-18
3	4	2	7	3

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

2021-22	2020-21	2019-20	2018-19	2017-18
3	4	2	7	5

File Description	Document
Upload supporting document	[View Document](#)
Institutional data in the prescribed format	[View Document](#)

5.3 Student Participation and Activities

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

Response: 46

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

2021-22	2020-21	2019-20	2018-19	2017-18
24	09	06	04	03

File Description	Document
Upload supporting document	[View Document](#)
Institutional data in the prescribed format	[View Document](#)

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

Response: 21.6

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

2021-22	2020-21	2019-20	2018-19	2017-18
29	06	26	24	23

File Description	Document
Upload supporting document	[View Document](#)
Institutional data in the prescribed format	[View Document](#)

5.4 Alumni Engagement

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

Response:

Narasu's Sarathy Institute of Technology Alumni Association (NSITAA) was registered under the Tamil Nadu Societies Registration Act, 1975(Tamil Nadu Act 27 of 1975)   in the year 2019 vide Sl.No. SRG/Salem west/20/2019 with the Office of the Registrar of Societies, Salem., Tamil Nadu.

NSITAA is a platform through which the alumni get in touch with their almamater and with their classmates. The primary objective is to reconnect, reminisce, and revisit the rich memories, connect with

classmates, strengthen the bond, and savour the rich experiences gained over the years. The driving force behind NSITAA is to encourage vibrant student-alumni interactions that would benefit our students in terms of learning, as well as the alumni in terms of sharing their rich expertise.

Objectives of NSITAA

To provide an interface through which the alumni of the institute can keep in touch with the institute, faculty, staff and students of the institute and among themselves.

To enable the alumni to take part in the institute's activities that will contribute to the improvement of the institute.

To promote the exchange of skills and experience.

To conduct seminars, workshops and guest lectures.

To promote social and cultural activities.

To institute prizes and scholarships for students of the institute on a merit basis.

To render financial aid to needy and deserving students.

To help the alumni by giving advice to them on various technical problems that they might face in their work.

To further such objectives the General Body may decide from time to time.

The various contributions by the alumni are listed as under:

Guest Lectures and Career Counselling NSITAA encourages alumni to provide technical lectures to update the students with the latest technological trends. Alumni are invited to share their success stories and motivate and groom them holistically.

NSITAA also schedules career guidance sessions to lecture and/or counsel the students. All these activities are done by planning a convenient date and time in consultation with the NSITAA Secretary, Department Coordinators and the HOD. NSITAA promotes alumni in instituting such awards which are given to the students during the Annual Day and Annual Cultural fest.

Scholarships Needy and deserving students are given scholarships and other forms of financial assistance to help them concentrate on their academics. NSITAA has been constantly providing many initiatives by the alumni every year. Provide internships, projects and placements NSITAA takes up initiatives like providing internships, encouraging alumni to visit the college for campus placements, provide project assistance, encouraging employee referrals to our students and facilitating industrial visits for students. These steps help to increase the employability of the students to become successful engineers.

Entrepreneurship Assistance

The College has always promoted the spirit of entrepreneurship among students. Alumni Entrepreneurs

have shared their experiences with the students through the "Entrepreneurship Development Cell". Alumni actively contribute by helping students in setting up their start-up companies.
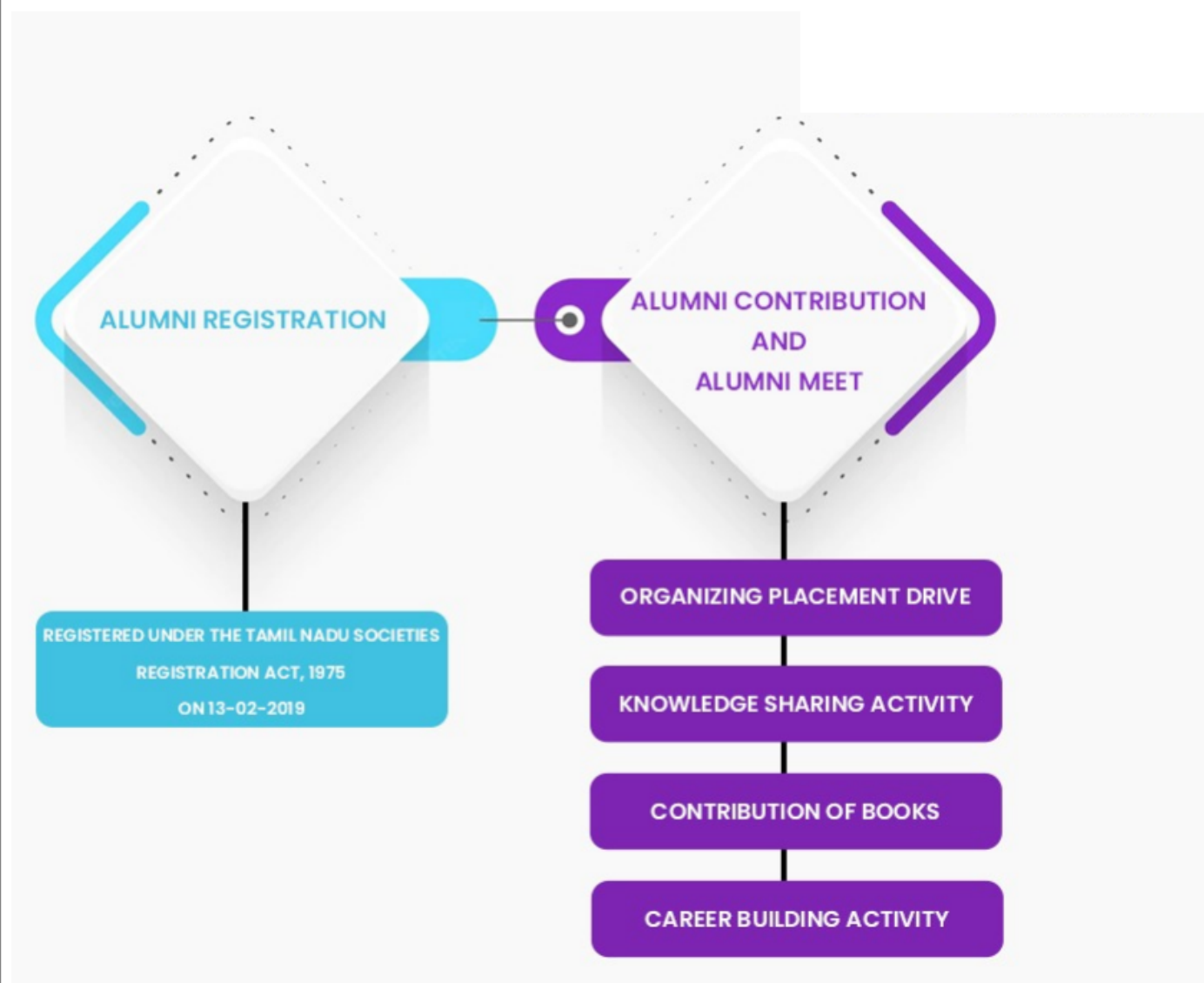
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Provide Link for Additional information	[View Document](#)

Criterion 6 - Governance, Leadership and Management

6.1 Institutional Vision and Leadership

6.1.1 The governance and leadership is in accordance with vision and mission of the institution and it is visible in various institutional practices such as decentralization and participation in the institutional governance

Response:

The College aims to impart quality education combined with ethical values, the two qualities that are in congruence with the nation's development. The vision of the college is to produce Engineers who think 'out of the box' and can act as a cohesive link between the administrative and executive machinery of the country.

Mission:

Our mission as an institution is to impart value based education to students from both the rural and urban areas and to train them into technically competent, ethically strong and quality professionals in order to meet the challenges of the rapidly changing technological environment.

The mission statement spells out the needs of the society in explicit terms, namely technically competent and holistic development of the individual to accomplish the vision of the institution. To achieve these objectives, the teaching-learning process involves effectively imparting competitive technology to the students through various courses classified as Basic Sciences, Humanities, Engineering sciences, Professional core, Professional electives, Open Electives, Skill development courses and project work. Courses in Human Values and Professional Ethics are offered to the students as part of curriculum to impart knowledge on human values and ethics to students which they can imbibe and cultivate in their personal and professional lives. The students are provided with skills to meet the competitive technologies through skill development programs. The board of governors, constituted as per the norms, oversee the operations of the institute and provide guidelines for proper functioning of the institute. The Board of Governors meet at regular intervals and review the operations of the institution and provide guidance for further improvements keeping vision and mission, strategic plan in view.

Perspective Plans:

The Principal of the Institute, discusses the broad contours/components of the Perspective Plan with the Managing Committee of the Institution and it is then finalized in consultation with the Governing Body of Narasu's Sarathy Institute of Technology. The Strategic Plan for the institute was developed in the year 2019 for duration of 5 years. Based on the achievements till 2018, further plans were prepared up to 2025.

Participation of the teachers in the decision-making bodies:

Faculty are represented in all decision making bodies of the institute namely, Academic Council, IQAC etc. While two senior faculty have been nominated as members of Governing Council, two professors and one Associate Professor have been nominated as members of the council. While all the HODs and some of the faculty are members of the IQAC. Most of the faculty are also members of various other Committees viz., Anti Ragging, Grievances Redressal, Anti Sexual harassment committee etc., which have been

constituted with specific functions and responsibilities.

While the minutes of the meetings of the IQAC are posted on the Institute Website, the minutes of the meetings of other Committees are recorded and circulated to the concerned. Faculty are also the members of Programme Assessment Committee and Department Advisory Committee.

File Description	Document
Upload Additional information	[View Document](#)
Provide Link for Additional information	[View Document](#)

6.2 Strategy Development and Deployment

6.2.1 The functioning of the institutional bodies is effective and efficient as visible from policies, administrative setup, appointment and service rules, procedures, deployment of institutional Strategic/ perspective/development plan etc

Response:

Narasu's Sarathy Institute of Technology Established in 2008 by the Smt. Mahalakshmi Ammal Educational Trust and offers UG and PG Programmes. NSIT has a Governing Council consisting of the President, Secretary, and Members. The Governing Council is constituted as per UGC provisions. It consists of Chairman, Nominees of Management, Members representing Academia, Industry, faculty and the Principal as the Member Secretary. Academic Council oversees policies and procedures regarding academic matters with Principal as the Chairman and HoDs & Senior faculty of the college, experts from premier Institutions, Industry representatives and University nominees as members. The College Academic Committee meets regularly for monitoring and implementation of policies, Academic and Admissions,

Placement & Training and the Controller of Exams report to the Principal. Functional heads for Finance, Administration, Learning Resource Centre, Computer Centre, Physical Education and Maintenance also report to the Principal. Other committees include: Anti-Ragging,Finance, Women Empowerment etc. Administrative Manual includes employee's duties, responsibilities, leave and conduct rules, recruitment process, etc. A provision is available for stake holders to give their feedback/suggestions through on-line and suggestion boxes.

The institutional Strategic/ Perspective plan has been clearly articulated and implemented The following Goals of the Strategic Plan 2019-2025 are being implemented.

1. To establish better academic practices and procedures

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

3. To produce technically competent and ethically strong

4. To encourage Research & Consultancy

5. To develop a smart campus

The tasks involved are Comprehensive Academic ERP System which is under development Provision of more number of Wi-Fi Hotspots Increasing the scope of Campus Surveillance System Enhancement of energy conservation systems Enterprise Resource Planning (ERP) software is designed to manage day to day academic and administrative activities. It is designed as a web application, with a responsive user friendly interface that can be accessed from desktop or mobile. Wi-Fi access points have been provided in the campus to strengthen the teaching learning process. Surveillance cameras have been installed in the campus for the safety of the students and faculty and for monitoring the conduct of examinations.

Organization Structure
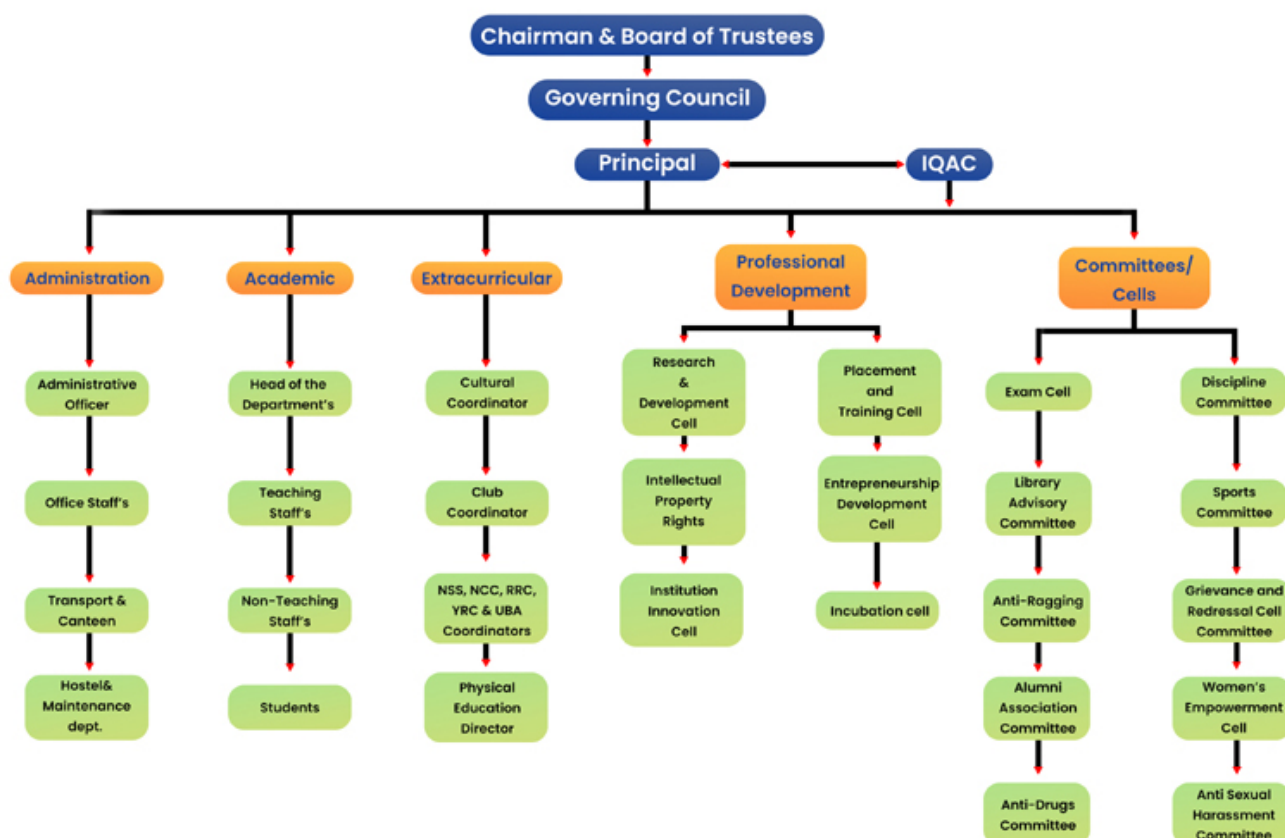
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Provide Link for Additional information	View Document

6.2.2 Implementation of e-governance in areas of operation

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

Response: A. All of the above

File Description	Document
Upload supporting document	View Document

6.3 Faculty Empowerment Strategies

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

Response:

NSIT takes good care of its employees both teaching and non-teaching. The college values the contributions of its employees to the development and progress of the institution.

For Professional growth:

- Registration fee, Dearness allowance, travel grants for teaching and non-teaching staff for attending various conferences, workshops
- Incentives for publications, sponsored research projects, completing Ph.D, consultancy, patents
- Permission to faculty to deliver guest lectures at other Institutes
- Visits to industry and higher learning Institutes for knowledge acquisition
- For non-teaching staff, academic leave is provided for writing various examinations

Welfare measures: Gratuity for both teaching and non-teaching staff

- Earned leave, Half Pay leave/Medical leave for both teaching and non-teaching staff
- Maternity leave for the women staff
- Management contribution to Provident fund for both teaching and non-teaching staff
- Extension of ESI benefits to non-teaching staff @4.5% of basic
- Emergency medical care, An Ambulance and first-aid is available in the campus with one Nursing Assistant in the college

Performance Appraisal system: Teaching being the primary function of the faculty, Performance appraisal is done by various methods. Information on quality of their teaching, course delivery, etc., is collected through

- Class Review Committee-CRC
- Semester end feedback of students
- Faculty Review Committee-FRC

CRC:2 students from each section in each year, for recording the faculty assessment and observations on the various parameters of course delivery

Semester end feedback of students: All the students are required to give their feedback online for all their respective subject staff on metrics as listed below: Coverage of syllabus,ability to explain the concepts in clear and simple language, Creating interest through examples, Audibility while giving the lecture Eye contact, voice modulation and mannerisms, etc. Interaction in the class, Overall class control and discipline, Punctuality, Internal tests and assignments – Quality.

Each of these parameters has been given different threshold limits and the overall threshold limit is 80.5%. Faculty members who could perform above the desired thresholds were encouraged to pursue other dimensions of their role as listed below:

1. Encouraged to pursue research by providing seed money grant if necessary.

2. To upgrade qualification by deputing them on academic leave.

3. To stay abreast to current state of the art technologies. Faculty members who could not perform to the desired thresholds are advised,To undergo pedagogical trainings to improve their teaching methods and techniques and Personal interaction with Head of the Department to work on necessary improvements.

FRC: A review committee is constituted with the following members: Subject Expert(s), HOD Principal, Management representative(s)

The faculty whose performance is to be reviewed will be given adequate notice to appear before the Review Committee. Based on his/her choice of interest of the subjects taught, the faculty is required to give a presentation on the chosen topic. During the presentation, the subject experts interact with the faculty and assess his/her subject knowledge, clarity in presentation, etc. The assessment report is prepared based on the parameters shown above

Effectiveness and follow-up action:Review it is for newly recruited or on the probationary period, and is for faculty whose performance has not been satisfactory. The performance of non-teaching staff is monitored at the laboratory/ department level

Welfare Measures
Quality Management

Faculty Review Committee FRC
Faculty - Curriculum Enrichment

Class Review Committee CRC
Students Centric Learning

Semester end Feedback by Students
Strategic Quality Enhancement

Professional Growth
For Teaching and Non Teaching Staff

EFFECTIVE WELFARE MEASURES

File Description	Document
Upload Additional information	[View Document](#)
Provide Link for Additional information	[View Document](#)

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

Response: 44.64

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**

2021-22	2020-21	2019-20	2018-19	2017-18
93	109	52	52	6

File Description	Document
Upload supporting document	[View Document](#)
Institutional data in the prescribed format	[View Document](#)

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

Response: 72.16

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

2021-22	2020-21	2019-20	2018-19	2017-18
107	151	106	103	93

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

2021-22	2020-21	2019-20	2018-19	2017-18
11	12	12	12	12

File Description	Document
Upload supporting document	[View Document](#)
Institutional data in the prescribed format	[View Document](#)

6.4 Financial Management and Resource Mobilization

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

Response:

Narasu's Sarathy Institute of Technology Established under Smt. Mahalakshmi Ammal Educational Trust and the Mobilization of Funds for various resources:

Funds are mobilized from the following resources.

1.Smt. Mahalakshmi Ammal Educational Trust

2. Student Tuition Fees, Anna University, Government and Non-Government Agencies.

3. Interest on Corpus Fund

4. Additional funding sanctioned from various funding agencies such as CSIR, ICSSR, TNSCST etc., for research and seminar proposals submitted by various departments.

The main financial resource for the Institute is by way of tuition fee. The tuition fee is fixed in line with government regulation and previous year's expenditure and the impact of the inflation in the next three years. The institution furnishes all the relevant details of the expenditure and projections for every three years to the Internal Fee Regulatory Committee which fixes the tuition fee of the Institute as per the guidelines stated by the university. While submitting the projections, the Institute also incorporates increase in salaries by way of DA, increments, etc. The internal Fee Regulatory Committee also provides scope for the Institute to allocate funds for the capital expenditure, which the Institute is planning over the next three years. Hence, the major resource mobilization depends on the fee fixation done by the internal Fee Regulatory Committee.

The Sponsoring trust, SMT. MAHALAKSHMI AMMAL EDUCATIONAL TRUST, extends financial support to the Institute for the shortfall and ensures the availability of requisite funds.

Budget Preparation

Systematic process of preparing budget, accounting, systematic purchase and bill settlement process along with regular periodical audit are the important aspects of making best use of financial resources. Our institution has a proper system for effective and efficient use of available financial resources. The funds are allocated to each department during the preparation of yearly budget. This budget is generally for the requirement or up-gradations.

Optimal utilisation of resources

An annual budget is prepared to ensure optimal utilisation of financial resources, based on the estimates received from the departments and functional units of the Institute. The amount is sanctioned by the Managing Committee/ Board of Governors. Monthly statements are prepared for income and expenditure. Audit is performed periodically to ensure that the budget is optimally utilized for the purpose it is intended. The resources in the form of facilities and equipment are maintained to ensure optimum performance.

Auditing

A qualified Chartered Accountant reviews the accounts/entries on quarterly basis. Suggestions/objections, if any, raised by the Chartered Accountant are discussed with the management for necessary action. Every year the accounts are further reviewed and finalized by external auditors and audited financial statements are prepared. The balance sheet is verified by the external auditors and submitted to the management. Based on this report the budget for the next academic year is prepared effectively. The external audit helps the management to understand the financial requirements and the suitable actions are taken to utilize the fund mobilized through various sources.
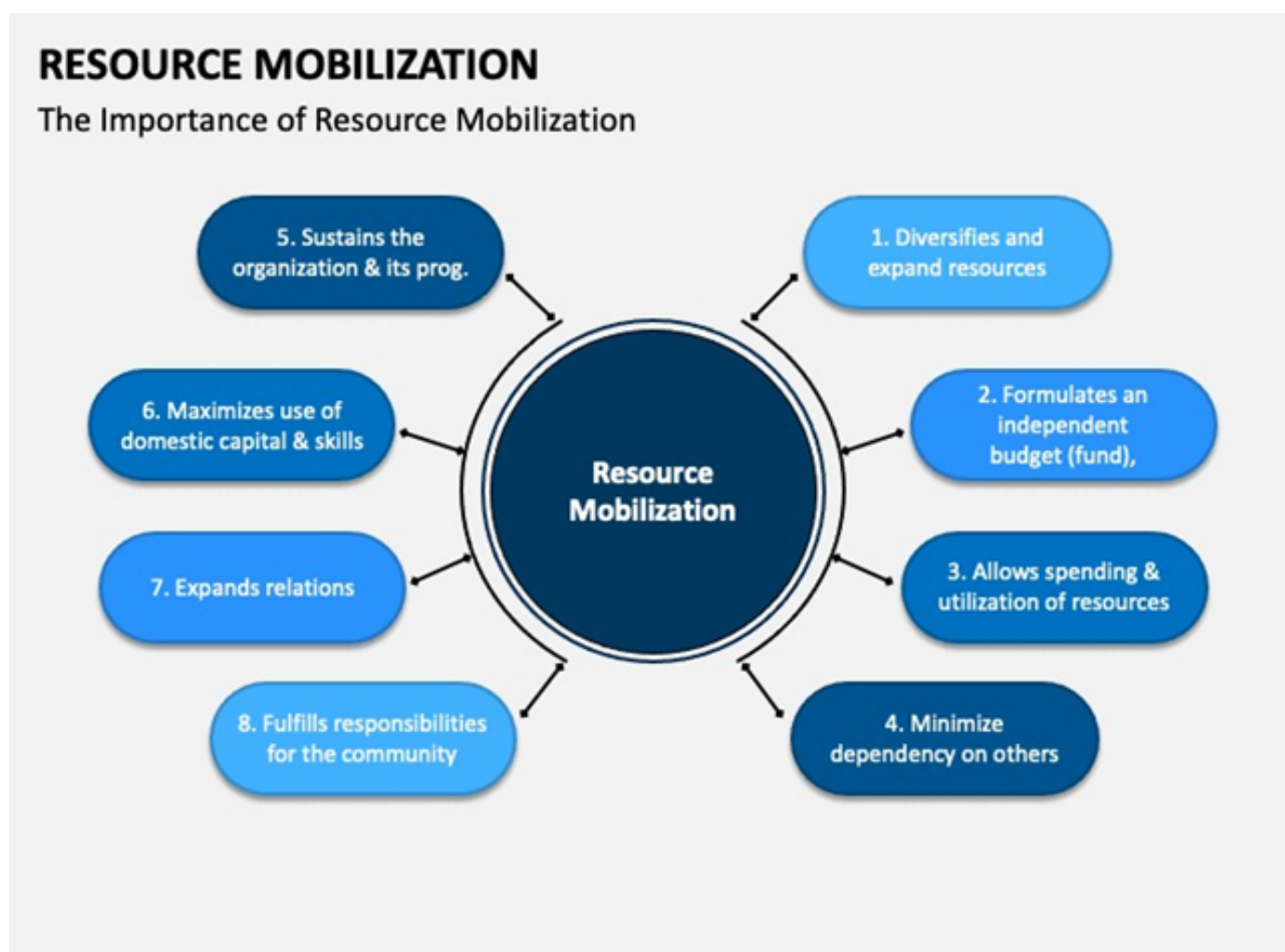
RESOURCE MOBILIZATION
The Importance of Resource Mobilization

- 1. Diversifies and expand resources
- 2. Formulates an independent budget (fund),
- 3. Allows spending & utilization of resources
- 4. Minimize dependency on others
- 5. Sustains the organization & its prog.
- 6. Maximizes use of domestic capital & skills
- 7. Expands relations
- 8. Fulfills responsibilities for the community

Resource Mobilization

File Description	Document
Upload Additional information	[View Document](#)
Provide Link for Additional information	[View Document](#)

6.5 Internal Quality Assurance System

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

Response:

The IQAC Cell was set up in the year 2016 in the institute. The main purpose of this Cell is to assure internal quality in all the activities of the institute in terms of academics, administration, finance, and other allied areas.

Some of the best practices instituted even before the formation of the Cell are:

- Student Attendance monitoring
- Proctor groups
- Peer Learning Groups
- Remedial coaching
- Encouragement towards research and publications
- Regular auditing of accounts

The following initiatives have been taken up after the formation of IQAC Cell while continuing the above:

- Outcome based education Course Outcomes and their refinement.
- Implementation of CBCS from Academic year 2017-2018
- Introduction of open electives and increase in number of professional electives.
- Participation in NIRF Ranking process.
- Collaboration with Industries and Institute
- Participation in Atal Ranking of Institutions on Innovation Achievements (ARIIA)
- Established Institution Innovation Council (IIC) for enriching Innovation and entrepreneurship development activities.
- Feedback collection from stakeholders, Analysis, and action-taken reports are prepared every year to enrich the quality of the teaching-learning process.
- The IQAC ensures the teaching-learning process and its outcomes through the following methods.

1. Periodic IQAC meeting

2. Class Committee meeting

3. Semester-end feedback

4. Student exit survey

5. Course-end feedback

Example 1: Feedback Mechanism

An effective feedback mechanism is devised to ensure the proper teaching-learning and evaluation processes. The teaching-learning process is monitored by the hierarchies such as the principal, Vice Principal, Head of the department, and Class advisor.

Feedback is one of the best quality enhancement strategies. It always gives us an opportunity to know how others perceive us. Our institution always conducts a structured feedback activity and feedback is obtained from both internal and external stakeholders including students, parents, faculties, alumni, and employers. The feedback is analyzed and appropriate action will be taken by the departments.

Example 2: Collaborative activities

The mission of the college Collaboration with Industry helps reduce the distance between education and employment opportunities. This is the well-defined relationship to achieve the results in greater benefits of outcomes of students. Knowledge creation and technology development require considerable training for the young budding engineers to pace with their expectations. These contributions occur through the signing of a Memorandum of Understanding (MoU) with the leading and core industries as well as institutes to provide collaborative training programs to the students in their relevant discipline. NSIT is enriching the collaboration every year and the training from the industries is supporting student Placements.

File Description	Document
Upload Additional information	[View Document](#)
Provide Link for Additional information	[View Document](#)

6.5.2 Quality assurance initiatives of the institution include:

1. **Regular meeting of Internal Quality Assurance Cell (IQAC); Feedback collected, analysed and used for improvements**
2. **Collaborative quality initiatives with other institution(s)/ membership of international networks**
3. **Participation in NIRF**
4. **any other quality audit/accreditation recognized by state, national or international agencies such as NAAC, NBA, ISO Certification etc**

Response: A. All of the above

File Description	Document
Upload supporting document	[View Document](#)
Institutional data in the prescribed format	[View Document](#)

Criterion 7 - Institutional Values and Best Practices

7.1 Institutional Values and Social Responsibilities

7.1.1 Measures initiated by the Institution for the promotion of gender equity and Institutional initiatives to celebrate / organize national and international commemorative days, events and festivals during the last five years

Response:

Gender Equity is creating an awareness that it is everybody's responsibility to ensure that women are given equal rights and opportunities in life. Our college takes may measures to give our girl students equal opportunity in all areas of academic, co-curricular and extracurricular activities. Students of both the genders are given equal opportunities to grow and develop into able, responsible citizens of the future. College makes efforts to maintain gender balance among the faculty members, administrative and housekeeping departments.

 The recent increase in incidents of violence against women has created a need for safety and security for our girl students. Hence, we have taken measures to tighten security in our campus. NSIT has a separate boys and girls hostel. Day scholars who travel by college bus are segregated based on the gender in the bus girl students are provided with a separate common room and sick room where they can relax during break hours or can be used by sick students to take rest.

 Besides these infrastructural and academic facilities, NSIT has Clubs and Committees to address the needs of girl students. They are PEN- Poovaiyar Empowerment Association (Women Empowerment Cell), Guidance and Counselling Cell, Grievance and Redress Cell and Anti Ragging Cell. They ensure that student problems are addressed promptly and effectively. International Women's Day is celebrated every year during which eminent women personalities, qualified doctors and psychologists are invited to teach our girl students on how to manage a mixed gender classroom and work place. A suggestion box has been placed on the premises of the college to ensure redressal of grievances and create proactive response to students' requirements. First Aid boxes are available in each department and fire extinguishers are placed in prominent places for emergencies.

National identities and symbols:

The students are encouraged to celebrate the greatness of our nation and its cultural diversity in every opportunity. These celebrations, and awareness programmes ensures that the civic duties of the students is taught to them and they exercise their rights in a proper way without disturbing others. Besides this birth Anniversaries and death anniversaries of great leaders are observed to remind our students of their achievements and contribution to our society

The fundamental rights in our constitution are Right to equality, Right to freedom, Right against exploitation, Right to freedom of religion, Right to cultural and education, Right to constitutional remedies, Right to vote. Students are given awareness about the basic constitutional rights and their rights to use the college campus for acquiring academic knowledge.

Independence Day: Independence Day is celebrated every year to create a pride for our nation.

Republic Day: Republic Day another important National festival is celebrated by flag hoisting and parade by the NSS and NCC students in the college campus

Pongal: Pongal is the Festival of Harvest is celebrated every year so that students understand the importance of agriculture and protecting our environment.
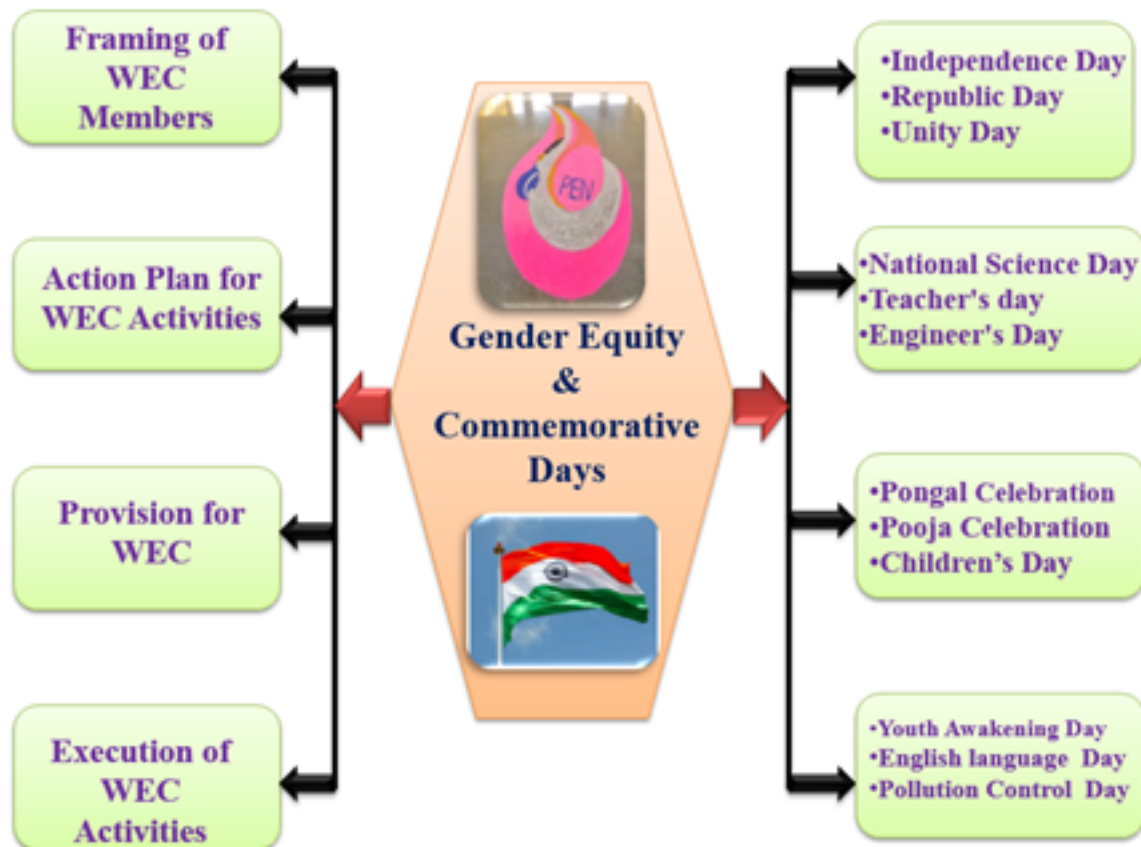
File Description	Document
Upload Additional information	[View Document](#)
Provide Link for Additional information	[View Document](#)

7.1.2 The Institution has facilities and initiatives for

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

Response: A. 4 or All of the above

File Description	Document
Upload supporting document	View Document

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

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

Response: A. All of the above

File Description	Document
Upload supporting document	View Document

7.1.4 Describe the Institutional efforts/initiatives in providing an inclusive environment i.e., tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic diversity and Sensitization of students and employees to the constitutional obligations: values, rights, duties and responsibilities of citizens (Within 500 words)

Response:

Narasu's Sarathy Institute of Technology is a secular campus which gives equal importance to all religions, languages and cultures. The students come from various socio economic and communal backgrounds. The Management and faculty create a sense of belonging in all of them. A multitude of efforts are taken to help the students adapt into the college mainstream and get the benefits of all the opportunities provided by the institution. In addition, the students are taught about their rights and responsibilities as dutiful citizens of this nation. They are encouraged to become responsible professionals who contribute to the well being of the nation.

Initiatives taken by our college to ensure tolerance, Harmony, peace and equality:

- Orientation to freshers regarding college rules and regulations and the opportunities available during their course of study.
- Bridge course and induction programme for the seamless introduction of the students into their department.
- Freshers welcome party by the seniors to understand the prospects of their individual departments.
- Anti-ragging committee to support the freshers and help them adapt to their new campus.
- Equal opportunity to all students in both academics and Placement regardless of their religion, culture, gender and socio-economic background.
- The college celebrates Annual day, Sports day, Cultural day, and International Women's day etc., to give our students the opportunity to display their talents.
- Our NCC and NSS members take active participation in social development events like, medical camps, blood donation camps, and Awareness programmes in local schools for Higher Education

etc.

- The students are encouraged to exercise their rights during elections.
- Our college premises is used to conduct Government programmes by the local Administrative Office, Government Primary Health Centre etc., for the benefit of our students and the general public.
- The local RTO officers visit our college regularly to create awareness amongst students about the importance of safe driving and wearing helmets.
- Value based sessions like Yoga, meditation, Universal Human Values, Ethical Behaviour etc are instilled in our students through Guest Lectures, Motivational workshops and Seminars.
- The students are given awareness of their rights and duties as a responsible citizen with the support of Guest lecturers an awareness camps.
- The students are also advised to stay away from unethical behaviour, contra brands like alcohol, smoking and drugs. It is strictly prohibited inside the campus and violators will be counselled, warned and monitored till they mend their ways.

- The fundamental rights in our constitution are Right to equality, Right to freedom, Right against exploitation, Right to freedom of religion, Right to cultural and education, Right to constitutional remedies, Right to vote. Students are given awareness about the basic constitutional rights and their rights to use the college campus for acquiring academic knowledge.

Republic Day: Republic Day another important National festival is celebrated by flag hoisting and parade by the NSS and NCC students in the college campus

Pongal: Pongal is the Festival of Harvest is celebrated every year so that students understand the importance of agriculture and protecting our environment.

File Description	Document
Upload Additional information	[View Document](#)
Provide Link for Additional information	[View Document](#)

7.2 Best Practices

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

Response:

Title of the Practice:

Training Students for holistic development

Objectives of the Practice:

1. To train the students on life skills so that they can excel in their academics
2. To train the students towards preparing them for Campus Recruitments
3. To train the students to build a career for themselves, as per their potential, they gain after training

The Context:

1. Students from vernacular background need additional training to acquire the skills expected by recruiting companies.
2. Most of the students admitted through lateral-entry i.e., with a diploma qualification, need more grooming to perform on-par with the other students.
3. Training students to improve their chances of getting recruited in Product Development and Consulting companies so that they have a better start in their career.

The Practice:

1. The Institution provides a well-structured skill training program to all the students.
2. The Institution has included Communicative English, as part of the curriculum, in Semesters I and II, to improve the communication skills of the students. As a part of this, every week, each class of 60 students is divided into 2 groups of 30 students each. Phonetics, Communication and Reading labs are conducted for them on rotation basis.
3. The students undergo 56 hours of training in III Semester and 56 hours of training in IV semester, on LSRW (Listening, Speaking, Reading and Writing) skills. These are done with an objective towards improving listening, understanding, comprehending and representation skills of students in their regular subjects, thus helping them to improve their academics.
4. During III and IV semesters, each class of 60 students is divided into two batches of 30 students each. One trainer for each batch conducts the sessions. The purpose of dividing the students into two batches is to give personal attention and to make every student participating in every activity and thus encouraging a participative learning.
5. During the V and VI semesters, training is provided on soft-skills such as Quantitative, Logical, Aptitude, Verbal, Reasoning, etc.,are for preparing them to Placements and competitive exams. The students are also provided with online practice tests periodically.
6. The classes conducted during the III, IV, V and VI semesters are outsourced to third-party training partner. This is done to provide the students with the industry point of view.
7. The third-party training partner also takes care of providing online tests to the students every week and monitors their performance periodically.
8. From the academic year 2017-2018, the Institution has also included Technical Skills Training into the curriculum, for the students graduating in the year 2019. This is owing to the fact that, the model of recruitment by various companies had become more specific.
9. The CRT (Campus Recruitment Training) program conducted during the summer vacation between VI and VII semesters involves 140 hours of training to reinforce the skills acquired during III, IV, V and VI semesters. Besides this, the students are trained in Group Discussions, Resume Preparation and Interview Skills. The students are also given company-specific online practice tests in every alternate days during this training period.
10. Pre, mid and post assessment tests are administered by new leaf and top freshers, a reputed training partner and hiring agency. The pre-test helps in identifying the training needs of the students and for customizing the training based on their competencies. The mid and post assessment tests help the students understand areas of improvement and proficiency acquired respectively. The pre-test is conducted before the CRT. The mid and post tests are conducted during and after the CRT.

Evidence of Success:

1. Through the above practices, more students are trained and are placed in many reputed companies .

2. Through best training our institution uplifts the life of many average students that to become a best entrepreneur in the society.

Problems Encountered:

1. Some of the students, though capable, couldn't afford the training due to their economic background. In such a case, the college supported those students by extending financial assistance.

Resources Required:

1. Professional trainers for conducting the training Resources to conduct the training i.e., video lectures on topics in communication and aptitude, on-line exams for practice purpose, company-specific mock tests, etc,

Title of the Practice:

A Social Upliftment Campaign by National Service Scheme (NSS)

Objectives of the Practice

1. Identify the needs and problems of the community and involve them in problem-solving
2. Develop among themselves a sense of social and civic responsibility.
3. Utilise their knowledge in finding practical solutions to individual and community problems
4. Develop competence required for group-living and sharing of responsibilities
5. Gain skills in mobilising community participation

The Context

1. The NSS Unit of the College under the effective leadership of the NSS Programme Officer is actively engaged in a variety of activities throughout the academic year.
2. The NSS unit had started its activities in the beginning of the academic session with the full support of our NSS volunteers under the leadership of programme officer. NSS Volunteers learn how to work with rural community people, generating awareness about blood donation, hygiene and prevention of various diseases.
3. NSS volunteers conducted a wide range of activities like cleanliness programme, special camp, surveys, observance of important days and awareness campaign.

The Practice

NSS Volunteers participate in the Swachh Bharat Mission Pogrammes and they take initiatives for keeping the campus clean. Cleanliness Drive on the college campus under Swachh Bharat Mission was conducted by the Volunteers in which the Principal, Teacher, students and staff members too rendered their services.

Evidence of Success

1. The main outcome of the National Service Scheme is that it helps the students to gain a democratic attitude along with the confidence to become leaders.
2. The students learn the social problems faced by villagers and have an understanding of the part they

play in society

3. This Scheme helps the students to gain the strength to handle emergency or challenging situations with calmness.

Problems Encountered

1. One of the major problems of the NSS is that the goals and objectives of the NSS are numerous and College as well as people have high expectations of the NSS volunteers.
2. At the same time, NSS volunteers do not have all resources at their disposal.

File Description	Document
Best practices as hosted on the Institutional website	[View Document](#)
Any other relevant information	[View Document](#)

7.3 Institutional Distinctiveness

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

Response:

Response:

The Vision, Mission and Quality Policy of the institution are all oriented towards the holistic development of the student, which is evident during admissions. Narasu's Sarathy Institute of Technology is the most preferred college and almost 70% of the seats are filled from the top 30% of engineering qualified students. The institution's focus has been to impart quality education coupled with overall development of the students. To achieve this, the Institution encourages students to participate in various activities:

NSIT makes continual attempts to fulfil its social responsibility to rural students, primarily first-generation learners, to pursue higher education and achieve greater success, both professionally and economically. The college's founding has also offered career prospects for the area's rural residents.

1.SAHAAY:The motto of SAHAAY is "A Life without a Cause is a life without effect"

The SAHAAY started in 2021 undertaking the causes of the underprivileged sections of the society such as orphans, street children and elderly people. This unit also undertakes awareness activities like health and hygiene and educating children in the slums, teaching of life skills so as to help them to lead a better life. "Sahaay by Narasu's also provides career guidance to students in government schools and colleges by conducting classes based on their areas of interest.

The object of Sahaay is to render to the needy through activities undertaken by the five departments as follows:

1. Education Department
2. Old age homes and Orphanages Department
3. Environment Department
4. Women Empowerment Department
5. Social Impact Department

Our institution has actively participating in Street cause activities and receives appreciations from government and industry, educational institutions periodically.

2. Student Centric Methods

The Institutions make use of innovative teaching learning methodologies to enhance the learning experience of the students. The students receive a holistic education in house training, Seminars, Workshops, Guest Lectures and Value Added Courses. The faculty makes use of ICT tools like Power point presentations, Google class room, Online content, outbound training, flipped class rooms and blended learning to enhance their knowledge.

3. NPTEL /MOOCs Courses

To develop self-learning skills, students are encouraged to obtain a certification in online courses before the completion of the programme from reputed agencies such as NPTEL, Coursera and to enhance academic knowledge on latest topics Faculty are encouraged to complete one MOOC for each semester. During the last three years the faculty members and students have completed NPTEL certification courses.

4.Projects

Students at UG and PG degree levels take up Internships from industries and pursue their projects which give them hands on training in their field of interest. Special motivation and innovative counselling are also provided for further research.

5. Service Learning

Students are participating in local community development activities such as, visits to social welfare centres, cleaning campaigns, and the distribution of free food and clothing. Students can also learn about the harsh facts of life, acquire social skills and become responsible through these student-led programmes.

6. University Ranks

Our students consistently performed well in semester examinations and secured University ranks.

Refer https://www.nsit.edu.in/Academics/University Ranks.

7. Ideation Contest:

Student chapter of Entrepreneurship Development cell named SWAYAM was established to help them to become entrepreneurs. The Entrepreneurship Cell is a manifestation of the efforts, ideas, dreams and aspirations of not one, but of many people who are associated with it. It was established to develop and nourish the latent entrepreneurial spirit which is inherent in every student, so as to help them gain a broader

and more importantly entrepreneurial perspective of looking at life in every situation thus empowering them to become Entrepreneurs. A course in Entrepreneurship is offered as a mandatory course for all the students, while advanced courses are offered as open electives in collaboration with National Entrepreneurship Network (NEN).

8. Equity Action Plan (EAP) Financial Assistance:

With a view to provide assistance to the needy students studying in UG and PG courses in the institution and belonging to disadvantaged and socio-economically weaker sections of the society, guidelines have been formulated in consonance with the Equity Action Plan. To inculcate the qualities of empathy, generosity, kindness and charity, Sahaay was initiated in our Institution. It is a student initiative to support their needy peers. The students voluntarily contribute and a matching amount is added by the Management and is distributed to the students in need.

Concluding Remarks:

With dedicated efforts of over a decade, Narasu's Sarathy Institute of Technology has emerged into a centre of excellence in Engineering Education. Building purposive partnerships with the industry, bolstering its wherewithal continually and evolving innovative programmes consistent with changing times. Narasu's Sarathy Institute of Technology strives to maintain its pre-eminent position.

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

5. CONCLUSION

Additional Information :

The institution has participating in NIRF and ARIIA every year. The institution has own Institution Innovation cell (IIC). The credit weightage for Open Elective courses has been revised as 2 and 3 to encourage interdisciplinary participation.

Concluding Remarks :

With dedicated efforts of over three decades, Narasu's Sarathy Institute of Technology has emerged into a centre of excellence in Engineering Education. Building purposive partnerships with the industry, bolstering its wherewithal continually and evolving innovative programmes consistent with changing times, Narasu's Sarathy Institute of Technology strives to maintain its pre-eminent position

6.ANNEXURE

1.Metrics Level Deviations

Metric ID	Sub Questions and Answers before and after DVV Verification
1.3.2	**Percentage of students undertaking project work/field work/ internships (Data for the latest completed academic year)** 1.3.2.1. **Number of students undertaking project work/field work / internships** Answer before DVV Verification : 734 Answer after DVV Verification: 706 Remark : DVV has made the changes as per shared clarification.

2.1.2 — **Percentage of seats filled against seats reserved for various categories (SC, ST, OBC, Divyangjan, etc. as per applicable reservation policy) during the last five years (Exclusive of supernumerary seats)**

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

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
193	179	128	245	179

Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
180	167	128	245	179

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

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
263	242	385	406	364

Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
263	242	385	406	364

Remark : DVV has made the changes as per shared clarification.

3.4.3 — **Number of extension and outreach programs conducted by the institution through NSS/NCC/Red cross/YRC etc., (including the programmes such as Swachh Bharat, AIDS awareness, Gender issues etc. and/or those organised in collaboration with industry, community and NGOs) 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**

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
36	9	18	24	9

Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
36	9	17	24	7

Remark : DVV has excluded days activities.

2.Extended Profile Deviations

ID	Extended Questions
1.1	**Number of teaching staff / full time teachers during the last five years (Without repeat count):** Answer before DVV Verification : 105 Answer after DVV Verification : 201
2.1	**Expenditure excluding salary component year wise during the last five years (INR in lakhs)** Answer before DVV Verification:

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
427.3	172.8	339.0	417.0	400.7

Answer After DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
428.10	174.5	347.39	344.08	233.27