



SELF STUDY REPORT

FOR

1st CYCLE OF ACCREDITATION

NEHRU INSTITUTE OF TECHNOLOGY

JAWAHAR GARDENS KALIAPURAM THIRUMALAYAMPALAYAM POST

641105

www.nehruinstitute.com

Submitted To

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

BANGALORE

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1. EXECUTIVE SUMMARY

1.1 INTRODUCTION

Nehru Institute of Technology is established by the Founder chairman, Late Shri. P. K. Das in the year 2008, a private self-financing technical institution recognized by AICTE, New Delhi and affiliated to Anna University, Chennai Recognized by UGC Under Section 2(f). Under the leadership of our Chairman and Managing Trustee, Adv. Dr. P. Krishna Das, and CEO & Secretary, Dr. P. Krishna Kumar, the institute marching on its way to realising the vision and mission of our Founder Chairman.

Nehru Institute of Technology is an Endeavour of Nehru Group of Educational & Charitable Trust which has served selflessly for the cause of higher education for the last four decades. It has emerged from the galaxy of Nehru Group of Institutions. Located in the scenic beauty of the Palaghat bypass and the Western Ghats, blessed with the greenery around and the abundance of Mother Nature with her calm atmosphere.



Methodological Education is the backbone of every country and is the stepping stone for a state to move into the position of a developed Nation. Nehru Institute of Technology has been contributing in the mission of transforming rural India into a developed Nation with innovation, creativity, human intelligence and patience. We have well-equipped labs, workshops, and a library to help students conquer the highest standards in Academic, Research, and Leadership Skills. The campus also has adequate sports infrastructure to take care of Sports and recreational activities. Sustainable living and care for the environment will be a strong focus in our Institute. The main focus of the Institution is to empower students with sound Knowledge, Wisdom, Experience and Training both at the Academic level of Engineering and in the highly Competitive Global Industrial market. The Infrastructure Facilities and State of the Art equipment combined with a galaxy of Competent, Talented and Dedicated Faculty members contribute to an enjoyable and easy learning experience. Everyone associated with the Nehru Institute of Technology will be encouraged to work to the best of their ability to reach their potential, striving for Excellence & Equity.

Vision

To be leading Institution in Academic Excellence, Multidisciplinary Research, Innovation, Entrepreneurship and Industry relation in order to mould true citizens of the country.

Mission

- To create innovative and vibrant young leaders in Engineering and Technology field for building India as a knowledge power by improving the teaching-learning process.
- To enhance employability, entrepreneurship and to improve the research competence to address societal needs.
- To generate Engineering graduates who use knowledge as a powerful tool to drive societal transformation and inculcate in them ethical and moral values.

1.2 Strength, Weakness, Opportunity and Challenges(SWOC)

Institutional Strength

- Team of staff members with diverse knowledge areas and self-motivated in developing the institute to the next level.
- A robust public image of quality, reputation, area, and infrastructural centers of the college.
- A manageable number of long-term employees.
- Use of ICT tools by all teachers in smart classrooms for better learning.
- Nehru vigyan Scholarship for Nehru Institute of Technology students as per the eligibility norms.
- Research Centers, Innovation and Training Centers are working with LEAP IIT Mandi and MSME to focus on interdisciplinary projects.
- Dedicated placement and training department NCP & IR assures placement.
- Internships in reputed concern with stipend.
- Value Added and online certification courses through SWAYAM-NPTEL, Coursera, etc.
- Engaging in MOU's with industries and Industrial Visits.
- Well managed and controlled hostel facility for outstation students with Gym and Riffle Academy.
- Good Academic records of students are tracked regularly.
- Concentrate on knowledge and skill-based development of the students by providing exposure to curricular and co-curricular activities.
- NOBLE training is organised for inspiration and competency resilience.
- Green & Energy sustainable campus.
- Fully Digitalized Classrooms, Lush Green, and Wi-Fi-enabled Campus.
- Specialized faculty member teams in all the streams.

Institutional Weakness

- Lack of academic freedom in curriculum design.
- Reduction in enrollment due to changeover of traditional programs.
- Maximum of the students are first graduation learners, their conversation abilities calls for improvement.
- Limited number of research faculty members.
- Limited sources of funding for research.

Institutional Opportunity

- To enhance the institute with potential for excellence.
- To become an autonomous institute to meet industry requirements.
- To provide more exposure by increasing the MOUs with industries and reputed universities.
- To encourage more faculty members to acquire Ph.D. qualification and guide approval.
- To encourage the faculty members to take up research projects.
- To increase the participation of students in start - ups and National level programs like Smart India Hackathon, Innovation Voucher Program, New Gen IEDC.
- To provide more opportunities related to Placements and Start-Ups.
- Use of Drone based applications.
- Initiation of NEP Programs.
- Interaction with foreign Universities through online platforms.
- Uninterrupted education in Covid/ Pandemic Sitauation.

Institutional Challenge

- To get featured in NIRF ranking.
- Getting more grants from government institutions for various activities.
- Encouraging students in technological based education.
- Progressing globalization of the online higher education market.
- Transform students to the level of entrepreneurs and specialized technocrats.
- To reach the apex level in the industry of academia in a short run.
- Develop innovative products and modern machines through industry connect.

1.3 CRITERIA WISE SUMMARY

Curricular Aspects

Nehru Institute of Technology follows the Curriculum and Syllabi prescribed by the Anna University, Chennai. Institute prepares academic schedule adhering strictly to the regulation and academic calendar prescribed by Anna University. The institution practices Outcome Based Education (OBE) and Revised Bloom's Taxonomy (RBT) while planning and delivering the content. The faculty members prepare their own course plan and course material for the allocated courses which includes the Syllabus, Course plan, Time table, Course Objectives, Outcomes, CO-PO mapping, previous year University question papers, question bank, teaching aids and teaching methodology to be adopted. Faculty members are encouraged to impart the curriculum innovative teaching methodologies to make the teaching learning process more effective. The Institute follows Choice Based Credit System (CBCS) as prescribed by Anna University, Chennai. The students are encouraged to choose inter-disciplinary, intra-disciplinary courses that are offered as elective courses. To bridge the gap between academic and industry, each department organizes in-plant training, industrial visits, workshops, seminars, guest lectures, hands-on training, internships, add-on courses as recommended by the Department Advisory Committee. Faculty members are encouraged to design curriculum for Value added courses. Courses addressing issues like gender equality, environment and sustainability, human values and professional ethics are incorporated in the university curriculum. The institute takes care of gender equality and also inculcates ethical values and social responsibilities among faculty members and students by conducting various activities. The institution collects the feedback on Curriculum which is prescribed by the University from different

stakeholders such as the Students, Faculty, Alumni and Employers. Feedback collected is analysed and an action taken report is made available on the institute website.

Teaching-learning and Evaluation

The Institute is affiliated to Anna University and regulated by the Directorate of Technical Education (DOTE), Government of Tamilnadu and admits students from different diversities in gender, category, and states . Our nstitute has an IQAC committee that conducts periodic meetings to ensure and enhance the quality of the teaching-learning process.

Outcome-Based Education (OBE) is a student-centered learning strategy that assists faculty in developing and delivering outcome-based courses and assessments. Faculty members and students use ICT tools such as Google Class rooms, icampuz, Edpuzzle, Kahoot , quilgo, Quizizz and e-resources to improve the effectiveness of teaching and learning. This ICT tools plays a major role during the pandemic situation to continue the teaching learning process without obstruction .The institute conducted various activities for the benefit of the students as well as to improve their leadership skills.

1) Experiential Learning through internships, industry-oriented mini-projects, and field projects; 2) Participative Learning through workshops, seminars, group discussions, and role-plays and 3) Problem-Solving Methodologies to develop models/simulations for societal and Engineering problems are all used by our college to make the Teaching-Learning process more effective for the holistic development of students.

Mentors are assigned to every students for the betterment of their academic performance. The slow and advanced learners are identified by the subject professors as well as the class mentor and greater attention is given in terms of academics and exposure to new technologies, depending on their level.

Research, Innovations and Extension

Institution benefits from a unique environment that exists within the campus to encourage research, innovations, and extension. Through stated regulations and awareness programmes, faculty members and students are also made aware of the code of ethics that must be followed when doing research. The importance of research and development was recognised at the institution, which founded the Centre for Research and Innovation (CRI) to focus on scientific and industrial research in a variety of areas. To bridge the gap between industry and academia, CRI provides technical requirements and equipment on campus. Five research centres and five innovation and training clusters are housed at the institution. The institution has held 74 seminars, workshops, and faculty development programmes on research methodology, intellectual property rights (IPR), and entrepreneurship in the last five years.

The institution has received financing from government and non-government organisations totaling 56.98 lakhs for 14 sponsored research projects, 11 endowments, and 11 consultancy projects over the last five years. To promote innovation on campus, seed money is granted to students and faculty members. In the last five years, the college's academic research has resulted in 174 journal publications, 164 book chapters, and prestigious conference proceedings. In the recent five years, the Scopus, Web of Science, and UGC care list have all indicated a high level of research publication quality.

During the last five years, NSS, YRC & RRC has done over 202 extension and outreach programmes in

conjunction with industry, community, and non-government organisations. About 2898 students participated in extension activities such as Swachh Bharat, gender issues, medical camps, and other social issues. During the last five years, the institution has collaborated on over 174 research, faculty exchange, and student exchange/internship projects. Field projects, placement training, and internships are all available to students through the institution's 33 operational Memorandums of Understanding.

Infrastructure and Learning Resources

A well-developed infrastructure with a built-up area of 20962 sq.m comprising with institutional academic, administrative, laboratory, Hostel, Canteen and Sports facilities. The institution has adequate physical facilities like smart classroom, seminar halls, laboratories, tutorial rooms, computing equipment, etc. The adequate facilities for sports and games like outdoor and indoor games and health center & yoga center are available. Also well-equipped indoor auditorium are available for organizing cultural activities. In addition, the college have well established Nehru Fitness center (Gym) and Nehru Air Rifle Academy for students and staff prosperity. The college has well equipped central library with the **collection of 29815 volumes of text books in 8991 titles** and subscribed **10943 E-Journals, 15517 E-Books** and also 144 printed Journals & 12 Magazines. Integrated Library management system of KOHA 20.05 library software has provided the facility to faculties and students for remote accessing of library e-resources. A separate digital library have comprised for learning of e-books, e-journals, e-materials and educational videos with high-speed internet facilities.

The institution is having 415 computers for both academic and administrative purposes and especially 360 systems were used for students purposes like laboratory, smart classrooms and digital library with high-speed internet of 80Mbps (LAN and Wi-Fi) facilities towards an extended learning. Also the institution is having well prepared communication laboratory for enriching communication skills of students. Additionally, the institution have well equipped e-content development center is available for developing e-resources and micro-teaching process. The institution security is more strengthen under the surveillance of CCTV cameras. The institute has maintenance cell with well systematic policies and procedures for maintenance of physical, academic and support facilities.

Student Support and Progression

The Institute provides students with the necessary assistance for their overall growth and advancement in a changing environment. Apart from government grants, the institution offers financial assistance to students in need through the free ship scheme.

The institute offers a variety of programmes for students to improve their abilities, such as competitive test preparation, career counselling, soft skill development, remedial coaching, language lab, bridge course, yoga/meditation, and personal counselling.

The institution has a transparent system in place to address student issues, if there are any concerns, the Grievance-Redressal-Committee, Anti-Ragging-Committee, and Internal Complaints Committee assist the students in resolving them.

Every year, a number of sports and cultural activities / tournaments are held at the institution level. Students with exceptional abilities are found and encouraged to compete in state and national level competitions conducted by various colleges.

Our institution's NSS, YRC, and Edison clubs encourage students and staff to participate in outreach initiatives such as blood donation awareness rallies, health camps, and orphanage visits etc.

The Alumni Association was officially established. At the moment, the Alumni are highly engaged in contributing to the students' value addition.

Governance, Leadership and Management

The vision and mission of the college is committed towards Academic excellence, Multidisciplinary Research, Innovation, Entrepreneurship and Industry relations in order to mould true citizens of the country. Nehru Institute of Technology has an effective governance mechanism with decentralized and participative management practices. Effective governance for continuous and sustained growth and enhancement of quality in an educational institution demands certain unique management strategies which are not only democratic and consultative in nature, but also participative by all stakeholders. Certain salient strategies were centered on academic freedom, decentralized academic administration, sustainable audit and accountability through inbuilt feedback systems from the stake holders. The Institute prepares strategic plans with corresponding long term plans and short term goals. The College has implemented E-governance in areas of Administration, finance and accounts, student admission and support, and examination related matters. The Institution follows the self appraisal system for both teaching and non-teaching as per the guidelines of the college and that will be evaluated by immediate superior followed by the principal. There are number of welfare measures for the benefit of teaching and nonteaching staff. Faculty is encouraged to participate in FDP, Workshop, Short term course, Course in NPTEL, publication in journals/books, participation and presentation in National and International conference, etc. to keep abreast of latest developments in their subject domain. The College has a policy and strategy for fund mobilizing resources. The financial transactions of the College are subjected to internal and external audit. The College has well-established Internal Quality Assurance Cell (IQAC) for accreditation and plays a major role in inculcating quality culture in the Institute. The IQAC, being the central body within the college monitors and reviews the teaching learning process regularly. There is a consistent effort by Staff, Management and Students of the College to persistently strive for excellence in all endeavors.

Institutional Values and Best Practices

The institute recognizes and accommodates the needs of female staff and students in terms of safety, security, and counselling, and has created appropriate provisions. Various programmes had been prepared via Women Empowerment Cell.

The institution has taken an environmentally responsible approach to campus maintenance, focusing on tree planting, water harvesting, and sewage recycling through a STP, the use of recycled water, and the utilization of renewable energy resources for power generation. MoUs signed with waste control organizations for the disposal of waste. A vermicomposting unit produces compost that is utilized for gardening and disbursed to agricultural land. Green landscaping with trees and potted plants is maintained throughout the campus

Pedestrian-pleasant pathway on campus restricts the access of vehicles. Our organization is a plastic-loose campus that bans single-use plastic items.

Our institution cares about people with disabilities, and provides amenities such as ramps, washrooms, screen reading and human assistance.

The institution has implemented a variety of programmes to foster a sense of belonging among students, regardless of their cultural, geographical, language, communal, or socio-economic differences. The institute organizes a variety of programmes aimed at improving human values and professional ethics. National celebrations, such as Independence Day, are encouraged to be celebrated by the Institute as a way of paying tribute to the country.

NAAC

2. PROFILE

2.1 BASIC INFORMATION

Name and Address of the College	
Name	NEHRU INSTITUTE OF TECHNOLOGY
Address	Jawahar Gardens Kaliapuram Thirumalayampalayam Post
City	Coimbatore
State	Tamil Nadu
Pin	641105
Website	www.nehruinstitute.com

Contacts for Communication					
Designation	Name	Telephone with STD Code	Mobile	Fax	Email
Principal	M.sivaraja	0422-2666655	9003936801	-	nit@nehrucolleges.com
IQAC / CIQA coordinator	S.pathur Nisha	0422-2206148	9442464988	-	nitqac@nehrucolleges.com

Status of the Institution	
Institution Status	Private and Self Financing

Type of Institution	
By Gender	Co-education
By Shift	Regular

Recognized Minority institution	
If it is a recognized minority institution	No

Establishment Details	
Date of establishment of the college	02-09-2008

University to which the college is affiliated/ or which governs the college (if it is a constituent college)

State	University name	Document
Tamil Nadu	Anna University	View Document

Details of UGC recognition

Under Section	Date	View Document
2f of UGC	30-12-2021	View Document
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	25-06-2021	12	NA

Details of autonomy

Does the affiliating university Act provide for conferment of autonomy (as recognized by the UGC), on its affiliated colleges?	No
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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	Jawahar Gardens Kaliapuram Thirumalayampalayam Post	Rural	12.66	20962

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,Aeronautical Engineering	48	HSC	English	60	43
UG	BE,Agriculture Engineering	48	HSC	English	60	39
UG	BE,Civil Engineering	48	HSC	English	60	41
UG	BE,Computer Science And Engineering	48	HSC	English	60	54
UG	BTech,Food Technology	48	HSC	English	60	37
PG	ME,Civil Engineering	24	B.E OR EQUIVALENT	English	18	5
PG	ME,Computer Science And Engineering	24	B.E OR EQUIVALENT	English	18	2
PG	MBA,Master Of Business Administration	24	ANY UG	English	60	53

Position Details of Faculty & Staff in the College

Teaching Faculty												
	Professor				Associate Professor				Assistant Professor			
	Male	Female	Others	Total	Male	Female	Others	Total	Male	Female	Others	Total
Sanctioned by the UGC /University State Government	0				0				0			
Recruited	0	0	0	0	0	0	0	0	0	0	0	0
Yet to Recruit	0				0				0			
Sanctioned by the Management/Society or Other Authorized Bodies	11				5				60			
Recruited	8	3	0	11	2	3	0	5	29	31	0	60
Yet to Recruit	0				0				0			

Non-Teaching Staff				
	Male	Female	Others	Total
Sanctioned by the UGC /University State Government				0
Recruited	0	0	0	0
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				12
Recruited	4	8	0	12
Yet to Recruit				0

Technical Staff				
	Male	Female	Others	Total
Sanctioned by the UGC /University State Government				0
Recruited	0	0	0	0
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				9
Recruited	8	1	0	9
Yet to Recruit				0

Qualification Details of the Teaching Staff

Permanent Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			Total
	Male	Female	Others	Male	Female	Others	Male	Female	Others	
D.sc/D.Litt/LLD/DM/MCH	0	0	0	0	0	0	0	0	0	0
Ph.D.	8	3	0	0	2	0	9	2	0	24
M.Phil.	0	0	0	0	0	0	2	4	0	6
PG	0	0	0	2	1	0	18	25	0	46
UG	0	0	0	0	0	0	0	0	0	0

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

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

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

Programme		From the State Where College is Located	From Other States of India	NRI Students	Foreign Students	Total
UG	Male	126	26	0	0	152
	Female	47	15	0	0	62
	Others	0	0	0	0	0
PG	Male	42	4	0	0	46
	Female	18	4	0	0	22
	Others	0	0	0	0	0

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

Programme		Year 1	Year 2	Year 3	Year 4
SC	Male	37	9	31	37
	Female	11	2	3	6
	Others	0	0	0	0
ST	Male	0	0	0	3
	Female	0	0	0	0
	Others	0	0	0	0
OBC	Male	100	32	53	151
	Female	11	8	14	14
	Others	0	0	0	0
General	Male	36	15	28	43
	Female	6	11	16	11
	Others	0	0	0	0
Others	Male	0	0	0	0
	Female	0	0	0	0
	Others	0	0	0	0
Total		201	77	145	265

Institutional preparedness for NEP

1. Multidisciplinary/interdisciplinary:	Students can choose interdepartmental subjects based on their preferences, as the institution is affiliated with Anna University, the Choice Based Credit System (CBCS) is introduced by University for Regulation 2017 and Regulation 2021. The syllabi offered by the University provide for multidisciplinary approaches. The faculty at the institution has the capacity and knowledge to teach inter and multi-disciplinary subjects to bridge the academic institutions and industry. Institute initiated the process to collaborate with LEAP IIT Mandi to do multidisciplinary projects. This will enable students to fulfill the current industry demands
2. Academic bank of credits (ABC):	As per the courses, a credit structure will be created by Anna University. Choice Based Credit system is introduced by Anna University for Regulation 2017 and Regulation 2021. When a student pursues any course and clears exams, credits will be automatically awarded to them. Institute initiated the process to open an Academic Bank Account for the benefit of students. Institute under the progress of collecting name, address, certificates, course details, etc to create the ABC account. The Institute fills out the details and uploads the deposits in the students' Academic Credit Bank's account on the digital portal. A unique ID & password will be created from where students can log in at any given point to check their earned credits. Online & offline – both types of courses are included in the scheme. Some of the important National Schemes such as NPTEL, SWAYAM, etc.
3. Skill development:	Skill Develop Centre (Be Smart Club) created for students to strengthen the technical knowledge. Be Smart Club provides training to the students to ensure the scope of career in both their core and IT industry. Institute registered in Tamilnadu Skill Development Corporation and applied for courses to act as a training partner. Applied and waiting for course approval from Skill hub scheme in skill India. Institute Initiated DDGKY, NIT Idea Lab for students. NIT Idea lab is a high-intensity, interactive, and free-thinking setting in which a varied group of people from many disciplines and experiences come together to engage in collaborative thought processes in order to develop creative methods. In Addition, the institute has provided add on courses and certification

	<p>courses to the students to bridge the curriculum gap. The Institute provides vigorous training to interested students for GATE exam after the college hours. It creates opportunity for the students to face the competitive world by enhancing their employability skills.</p>
<p>4. Appropriate integration of Indian Knowledge system (teaching in Indian Language, culture, using online course):</p>	<p>India is a country with languages changing every 15 to 20 Kms according to the native communication style. In order to promote Arts & Culture, it is very important to promote Indian Languages. Tamil Mandram is a Tamil club run by a group of outstanding students that hold frequent poetry, debate, and essay writing competitions in Tamil for students of all ages. Institute ensured the availability of high-quality learning materials in the form of workbooks, textbooks, magazines, etc in the library. Language Lab was available in the college for the benefit of students to study languages, Swayam courses, Spoken Tutorials, Indian History, Indian Cultures, Indian Constitution, etc., integrate the Indian knowledge system online/offline with the guidance of faculty members. Institute organizes national commemorative days, regional festivals, and national festivals to inculcate the Indian linguistic, and cultural knowledge system among its stakeholders.</p>
<p>5. Focus on Outcome based education (OBE):</p>	<p>The Institution is practicing outcome-based education system. To achieve the vision through mission, mission through program educational objectives (PEO), PEO through the program outcome (PO) & (PSO) and PO & PSO through Course outcome have been formulated and the same approved by the Academic Advisory Committee. The institution has published its CO, PO, PSO, and PEO through the following media to reach its stakeholders: Institute's website (URL: www.nehruinstitute.com), Course Plan. Department Notice Boards, Class Rooms. The Vision, Mission, PEOs, POs and PSOs are disseminated to the fresh students and their parents every year during the Induction Programme by the HoD. Since these (PEOs, POs, PSOs) were defined recently, the same was disseminated to all the existing higher semester students at the beginning of the academic year. Individual department has framed Programme Educational Objectives (PEOs) Programme outcomes (POs) and Program Specific Outcomes (PSOs). For each course, course objectives</p>

	<p>and course outcomes are prepared by the faculty members and are explained to the students at the beginning of the semester along with the syllabus. The PEOs, POs, PSOs, and COs are frequently discussed in the class and also in Mentor-Mentee meetings. Senior faculty members are conducting seminars/meetings frequently in order to train faculty members to achieve the learning outcomes, Pos, PSOs, and COs. At the end of each IAE, a micro-analysis is made in the class and also in the class committee meeting to meet the learning outcomes. During the interaction with students in the class committee meeting, the course objectives and outcomes are discussed and emphasized by the subject in-charges and chairperson of the meeting.</p>
6. Distance education/online education:	<p>Institute has created Virtual Learning Environment (VLE) – such as Google classroom and icampuz to share multimedia lectures for teaching and learning process. The VLE is like a communication medium or an interactive learning tool through which group projects, discussion forums, and quizzes are held for peer interaction and to give it a more on-campus feel. Institute has insisted faculty members and students enroll in e-learning platforms such as SWAYAM, DIKSHA, etc. Under it, faculty members will undergo training to use online platforms which will help them in improving skills and creating content.</p>

Extended Profile

1 Program

1.1

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

2020-21	2019-20	2018-19	2017-18	2016-17
306	323	321	364	381
File Description		Document		
Institutional data prescribed format		View Document		

1.2

Number of programs offered year-wise for last five years

2020-21	2019-20	2018-19	2017-18	2016-17
8	8	9	11	11

2 Students

2.1

Number of students year-wise during last five years

2020-21	2019-20	2018-19	2017-18	2016-17
506	509	764	981	1177
File Description		Document		
Institutional data in prescribed format		View Document		

2.2

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

2020-21	2019-20	2018-19	2017-18	2016-17
273	273	368	430	472

File Description	Document
Institutional data in prescribed format	View Document

2.3

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

2020-21	2019-20	2018-19	2017-18	2016-17
177	197	285	276	424

File Description	Document
Institutional data in prescribed format	View Document

3 Teachers

3.1

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

2020-21	2019-20	2018-19	2017-18	2016-17
84	94	102	167	161

File Description	Document
Institutional data in prescribed format	View Document

3.2

Number of sanctioned posts year-wise during last five years

2020-21	2019-20	2018-19	2017-18	2016-17
80	88	102	166	161

File Description	Document
Institutional data in prescribed format	View Document

4 Institution

4.1

Total number of classrooms and seminar halls

Response: 27

4.2

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

2020-21	2019-20	2018-19	2017-18	2016-17
297.37	434.33	467.94	530.35	527.46

4.3

Number of Computers

Response: 415

NAAC

4. Quality Indicator Framework(QIF)

Criterion 1 - Curricular Aspects

1.1 Curricular Planning and Implementation

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

Response:

Nehru Institute of Technology (NIT), Kaliapuram, Coimbatore is affiliated with Anna University, Chennai and approved by AICTE, New Delhi is strictly followed the curriculum prescribed by the affiliated University.

Curriculum Planning:

At the beginning of every academic year, Anna University releases the Academic Schedule and circulates it to its affiliated colleges. The Academic Council headed by the Principal prepares the Academic Calendar of the Institution and each department frames an academic calendar including the events and assessments of the particular department.

Allocation of the subjects to the faculty is done by the Head of the Department based on qualification, experience, area of specialization, and faculty willingness and forwarded to the Principal for final approval. Time tables are prepared by Time-Table coordinators of each department for every semester considering the credit requirement of each subject.

Curriculum Delivery:

The institution practices Outcome-Based Education (OBE) and Revised Bloom's Taxonomy(RBT) while planning and delivering the content. The faculty members prepare their own course plan and course material for the allocated courses which includes the syllabus, course plan, timetable, course objectives, outcomes, CO-PO mapping, previous years' University question papers, a question bank, teaching aids and teaching methodology to be adopted. The laboratory manual is prepared for practical courses prescribed by the Affiliating University.

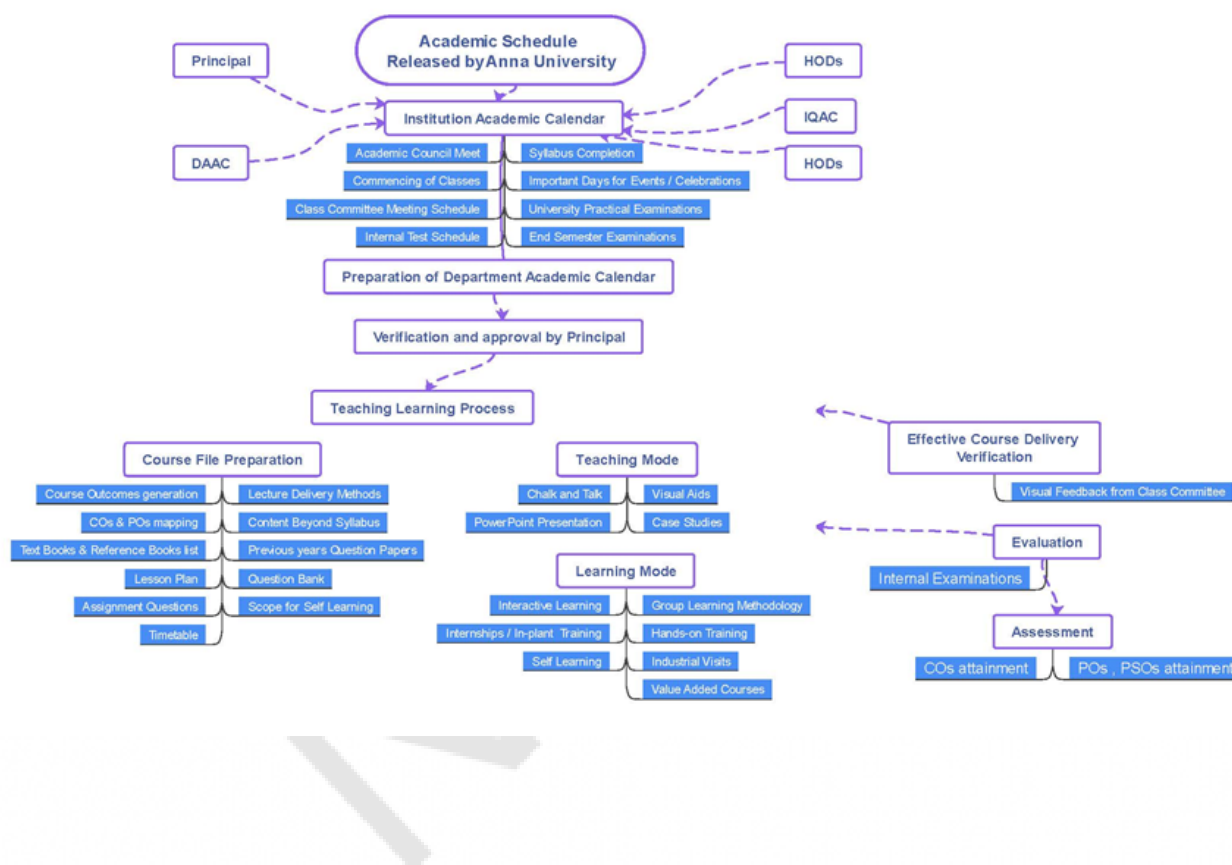
Faculty members are encouraged to impart the curriculum with innovative teaching methodologies to make the teaching-learning process more effective. To bridge the gap between academic and industry, each department organizes in-plant training, industrial visits, workshops, seminars, guest lectures, hands-on training, internships, and Add-on courses based on the recommendations by department advisory committee. In Learning Management System (LMS), Icampuz is in practice where the course contents are delivered to students through online mode. The Attendance is monitored through the LMS. Assignments and quizzes are given as per the course plan.

Monitoring:

The Head of the Department monitors the conduct of classes, tutorial sessions and student performance. Monitoring of course delivery and syllabus completion is done through class committee meetings.

Assessment and Improvement:

Internal Tests are conducted as per the Academic calendar. Based on the assessments, students are categorized into slow and advanced learners and the relevant activities are carried out. Regular feedback is collected from the students to take necessary steps for their better understanding of the subjects and for the faculty to overcome their shortcomings. Quality checks of academic programs are carried out through academic audits.



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

1.1.2 The institution adheres to the academic calendar including for the conduct of CIE

Response:

Academic Calendar Preparation:

Anna University releases the Academic Schedule for the smooth conduct of theory and practical courses at the beginning of an academic semester. The Academic Council headed by the Principal prepares the Academic Calendar of the Institution based on an academic schedule prescribed by the affiliating University and announced well in advance before the commencement of the semester. The Institution strictly adheres to the timelines given by the affiliating University to confirm effective academic practice in

all aspects.

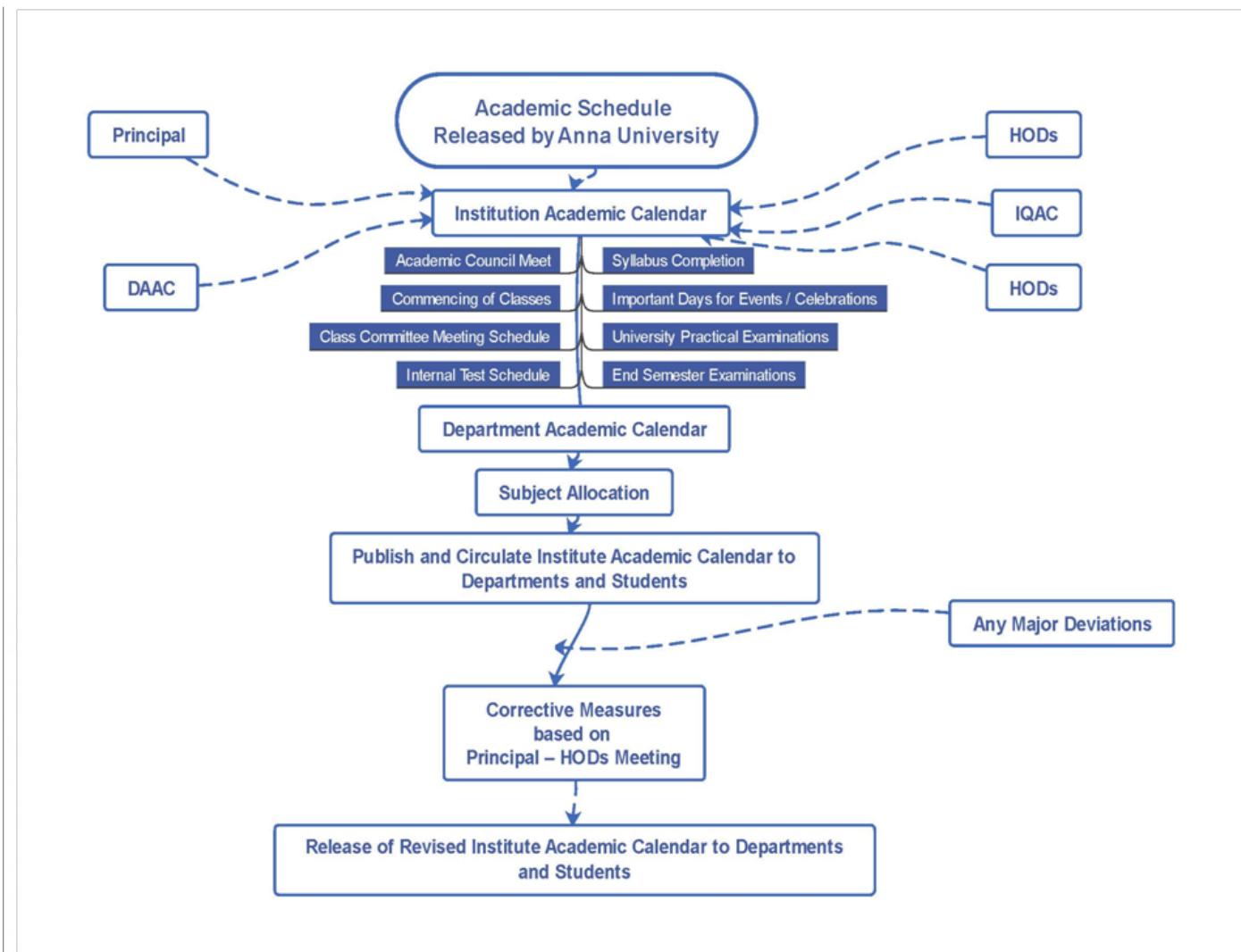
Internal Assessment Process:

Every academic year is divided into two academic semesters (July – December and January –June) in which all the academics and co-curricular activities are to be carried out by every student to attain the credits for earning their degree. The first Internal Test for the students will be conducted after the completion of the first 1.5 units (6 Weeks) from the start of the academic schedule. The attendance and assessment details are uploaded in the pre-examination monitoring system developed by the affiliating University. The second Internal Test is conducted after completing the next 1.5 units of the syllabus (12Weeks). The strict adherence to the timeline facilitates delivering the academic process in a better manner. The third Internal Test will be conducted after the successful completion of the last two units of the syllabus (16 weeks).

The quality of the teaching-learning process is ensured through the Internal Tests and the question patterns are adopted from the affiliating University. The assessment question paper consists of three parts such as Part – A (2 Marks), Part – B (13 Marks) and Part C (15 Marks). The final internal marks of a subject are calculated from the average of marks obtained by a student in Internal Tests. The question papers are prepared with the mapping of course outcomes stated in the individual course on par with out come-based education. The unit-wise assignments are given to the students to gain relevant knowledge in the potential area.

Adherence to Academic Calendar:

The head of the department ensures strict adherence to the academic calendar through continuous monitoring. If any major deviation in the academic calendar, is also discussed in the HODs meeting with the Principal and corrective action is taken as appropriately needed. The changes/additions/revisions in schedule, question paper pattern, mode of conducting examinations, and other important matters related to academics ordered by the affiliating University are strictly implemented and adhered by the institution without any delay or deviation.



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

1.1.3 Teachers of the Institution participate in following activities related to curriculum development and assessment of the affiliating University and/are represented on the following academic bodies during the last five years

- 1. Academic council/BoS of Affiliating university**
- 2. Setting of question papers for UG/PG programs**
- 3. Design and Development of Curriculum for Add on/ certificate/ Diploma Courses**
- 4. Assessment /evaluation process of the affiliating University**

Response: A. All of the above

File Description	Document
Institutional data in prescribed format	View Document
Details of participation of teachers in various bodies/activities provided as a response to the metric	View Document
Any additional information	View Document
Link for Additional information	View Document

1.2 Academic Flexibility

<p>1.2.1 Percentage of Programmes in which Choice Based Credit System (CBCS)/ elective course system has been implemented</p> <p>Response: 100</p>														
<p>1.2.1.1 Number of Programmes in which CBCS / Elective course system implemented.</p> <p>Response: 8</p>														
File Description	Document													
Minutes of relevant Academic Council/ BOS meetings	View Document													
Institutional data in prescribed format	View Document													
Any additional information	View Document													
Link for Additional information	View Document													
<p>1.2.2 Number of Add on /Certificate programs offered during the last five years</p> <p>Response: 74</p>														
<p>1.2.2.1 How many Add on /Certificate programs are offered within the last 5 years.</p> <table border="1"> <thead> <tr> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> <th>2016-17</th> </tr> </thead> <tbody> <tr> <td>14</td> <td>12</td> <td>14</td> <td>16</td> <td>18</td> </tr> </tbody> </table>					2020-21	2019-20	2018-19	2017-18	2016-17	14	12	14	16	18
2020-21	2019-20	2018-19	2017-18	2016-17										
14	12	14	16	18										

File Description	Document
List of Add on /Certificate programs	View Document
Brochure or any other document relating to Add on /Certificate programs	View Document
Any additional information	View Document
Link for Additional information	View Document

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

Response: 72.97

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

2020-21	2019-20	2018-19	2017-18	2016-17
318	424	623	612	880

File Description	Document
Details of the students enrolled in Subjects related to certificate/Add-on programs	View Document
Any additional information	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:

Response:

The Institution trusts that integrating cross-cutting issues with the curriculum would create a positive effect on the student in terms of their education and societal commitment. Courses in Environment and Sustainability, Human Values and Professional Ethics are offered by the Institution.

Gender Sensitization

Nehru Institute of Technology is a co-educational Institute and measures are taken toward gender sensitization in terms of equality for both genders in all aspects. In every co-curricular and extra-curricular

activity, teams are formed with both genders and given equal opportunity. The institution supports women faculty and also students to become members in clubs such as Women Development Cell appreciates participating in events focusing on Women Empowerment and promoting qualities in Women Administration.

Environment and sustainability

As a part of the core curriculum “Environment Science and Engineering” is included for the first-year and second-year students of all departments. Various other courses like Environment and sustainability, Disaster Management, Renewable Sources of Energy, Air Pollution and Control Engineering, Municipal Solid Waste Management, Automotive Pollution and Control, Alternate Fuels and Energy Systems are also included in the curriculum related to Environment and sustainability for Civil Engineering, Aeronautical Engineering, Automobile Engineering and Agriculture Engineering students. The organization is a green campus, that is improving energy efficiency by conserving natural resources for creating a healthy living and learning environment. The institution has taken efforts to give awareness of environmental issues and their sustainability to society through extension activities by NSS.

Human values and Professional Ethics

Elective courses such as Professional Ethics and Human Values create awareness of engineering ethics and human values, inculcate moral and social values and loyalty, and appreciate the rights of others. As a part of course improvement, the Institution conducts numerous activities like blood donation camps, SWACHH Bharat awareness programs, etc. to promote universal values, human values, national values, and social unity.

File Description	Document
Upload the list and description of courses which address the Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum.	View Document
Any additional information	View Document

1.3.2 Average percentage of courses that include experiential learning through project work/field work/internship during last five years

Response: 40.08

1.3.2.1 Number of courses that include experiential learning through project work/field work/internship year-wise during last five years

2020-21	2019-20	2018-19	2017-18	2016-17
134	107	136	130	173

File Description	Document
Programme / Curriculum/ Syllabus of the courses	View Document
MoU's with relevant organizations for these courses, if any Average percentage of courses that include experiential learning through project work/field work/internship	View Document
Minutes of the Boards of Studies/ Academic Council meetings with approvals for these courses	View Document
Any additional information	View Document

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

Response: 72.13

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

Response: 365

File Description	Document
List of programmes and number of students undertaking project work/field work/ /internships	View Document
Any additional information	View Document

1.4 Feedback System

1.4.1 Institution obtains feedback on the syllabus and its transaction at the institution from the following stakeholders 1) Students 2)Teachers 3)Employers 4)Alumni

Response: A. All of the above

File Description	Document
Any additional information (Upload)	View Document
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management (Upload)	View Document
URL for stakeholder feedback report	View Document

1.4.2 Feedback process of the Institution may be classified as follows: Options:

1.Feedback collected, analysed and action taken and feedback available on website

2. Feedback collected, analysed and action has been taken
3. Feedback collected and analysed
4. Feedback collected
5. Feedback not collected

Response: A. Feedback collected, analysed and action taken and feedback available on website

File Description	Document
Upload any additional information	View Document
URL for feedback report	View Document

NAAC

Criterion 2 - Teaching-learning and Evaluation

2.1 Student Enrollment and Profile

2.1.1 Average Enrolment percentage (Average of last five years)

Response: 33.43

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

2020-21	2019-20	2018-19	2017-18	2016-17
194	75	134	251	232

2.1.1.2 Number of sanctioned seats year wise during last five years

2020-21	2019-20	2018-19	2017-18	2016-17
396	396	534	624	684

File Description

Document

Institutional data in prescribed format

[View Document](#)

Any additional information

[View Document](#)

2.1.2 Average percentage of seats filled against reserved categories (SC, ST, OBC, Divyangjan, etc. as per applicable reservation policy) during the last five years (exclusive of supernumerary seats)

Response: 36.05

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

2020-21	2019-20	2018-19	2017-18	2016-17
154	49	92	202	160

File Description

Document

Average percentage of seats filled against seats reserved

[View Document](#)

Any additional information

[View Document](#)

2.2 Catering to Student Diversity

2.2.1 The institution assesses the learning levels of the students and organises special Programmes for advanced learners and slow learners

Response:

In the universe, every person is unique in their own way, but the walk into every classroom differs. Therefore, students are categorized for their betterment and improvement. Nehru Institute of Technology, Kaliapuram, Coimbatore believes in **moulding the true citizens** through the teaching and learning processes to suit the requirements of today's world.

Through brainstorming sessions, IQAC has listed the following strategies for advanced and slow learners for appropriate activities.

Metrics used for classification:

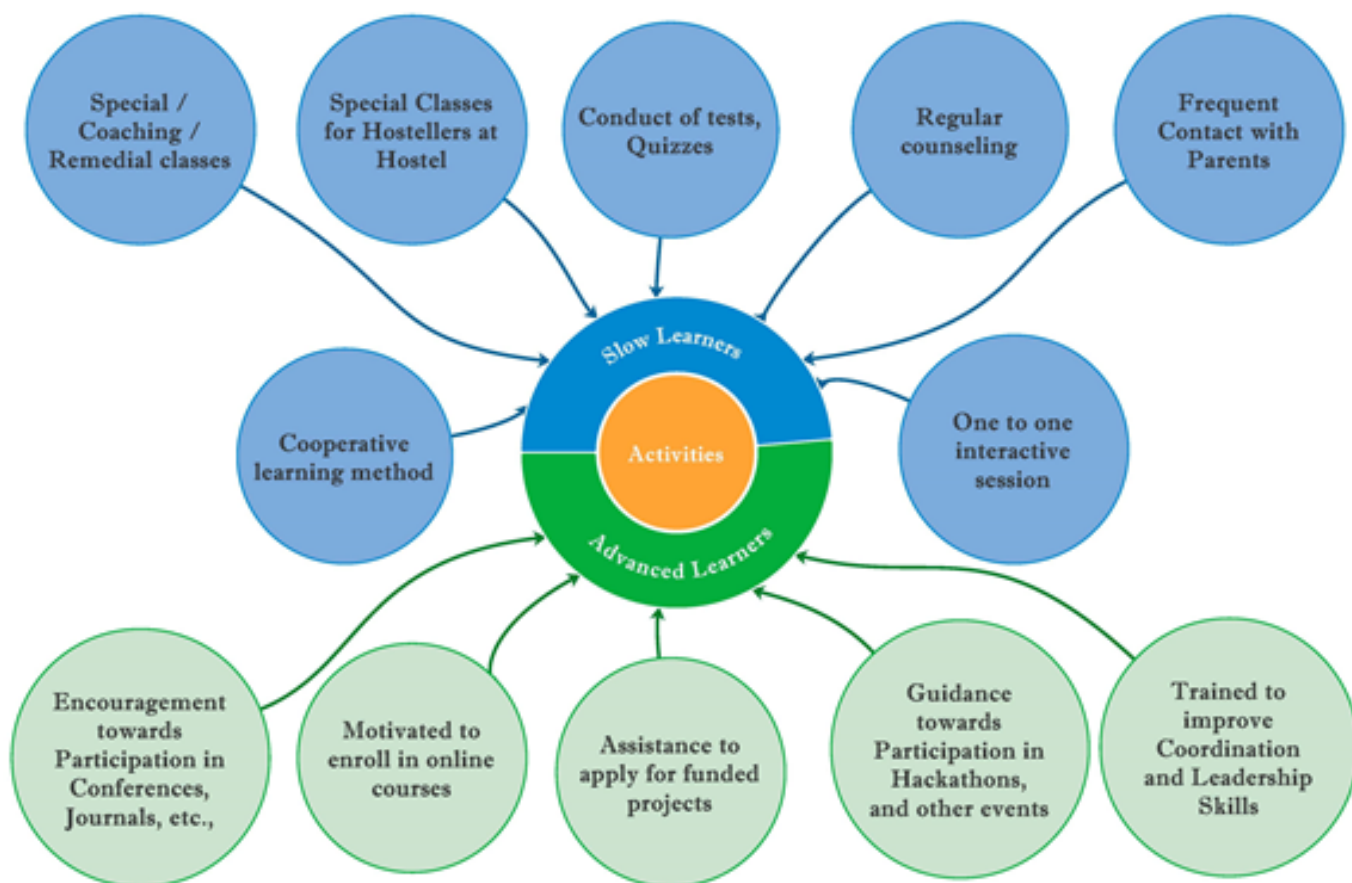
After admission students are classified based on

- Higher secondary marks, and medium of instruction
- Locality, and basic knowledge of the subjects
- Tamilnadu Engineering Admission eligibility cut-off marks and continuous assessment examinations marks after continuous assessment test.

From Semester II onwards student performance in

- Class tests
- Continuous assessment examinations
- The way they interact in the theory and laboratory classes
- University Examinations
- Communication skills and understanding capabilities etc.

The Institute concentrates on each and every student with the help of class advisors and mentors in their academic and personal growth.



Slow learners:

- Bridge courses are conducted for the students to fill the gap between the school and college in the first year.
- Students who earn less than 60% marks in the internal examinations are considered slow learners. (Mark threshold will be subject to approval based on the student performance in internal test)
- Special/ coaching/ remedial classes are conducted during the weekends and lunch hours.
- One to one interactive session is conducted for clearing doubts.
- The conduct of tests, quizzes etc. is practised.
- The cooperative learning method is implemented. From each unit, four or five questions are identified and assigned to each group by the faculty. Each and every student in each group will have a discussion among their group and they will explain the same to other batch mates.
- Student's performance is intimated to the parents via SMS, Inland letter and registered post regularly.
- Regular counselling is done by teaching faculty to attend classes and tests regularly.
- For hostel students, faculty residing at the hostel is conducting evening special classes for slow learners. Day scholars who are interested are also permitted to attend the evening classes in the hostel.

During this pandemic period, recorded videos, and audio/digital content were shared as additional resources for the slow learners in our institution's Learning / Enterprise Resource Planning Software *Icampuz* and also in Google Classroom.

Advanced learners:

- Encouraged to participate and present papers in national/international conferences and journals.
- Motivated to enrol in online courses like Coursera, Sololearn, spoken tutorial, NPTEL, great learning, etc.
- Guidance is Assisted to apply for Government and Non-government research funded projects like TNSCST, NEWGENIEDC and endowments with their innovative ideas.
- Guided to take part in events like Hackathon, etc.. to be the part of members in professional society bodies.
- Motivated to participate in GATE, IELTS etc.

During this pandemic period, advanced learners are motivated to attend webinars, online value-added / certification courses, virtual national/international conferences, quizzes and to be part of members in online professional bodies.

File Description	Document
Upload any additional information	View Document
Past link for additional Information	View Document

2.2.2 Student- Full time teacher ratio (Data for the latest completed academic year)

Response: 6:1

File Description	Document
Any additional information	View Document

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**

Response:

The institution focuses on students' development in academics as well as personal from day one itself. For their betterment, the following activities adhere our students to think out of the box.

Experiential Learning:

Experiential learning develops our students' knowledge and skills through experience in addition to theoretical.

- **Field Visits**

Regular field / industrial visit is arranged to bridge educational experiences to actual settings.

- **Internships and in-plant training**

Internships and in-plant training during semester-end lead students to do their mini projects and projects with practical knowledge.

- **Mind Map**

During lecture classes, mind mapping improves our students to think, collect knowledge, remember and create ideas about a concept easily / in-depth due to its diagrammatic representation.

- **Concept Map**

In regular classes, concept maps are used to improve our student's understanding through visual learning.

- **Laboratory sessions**

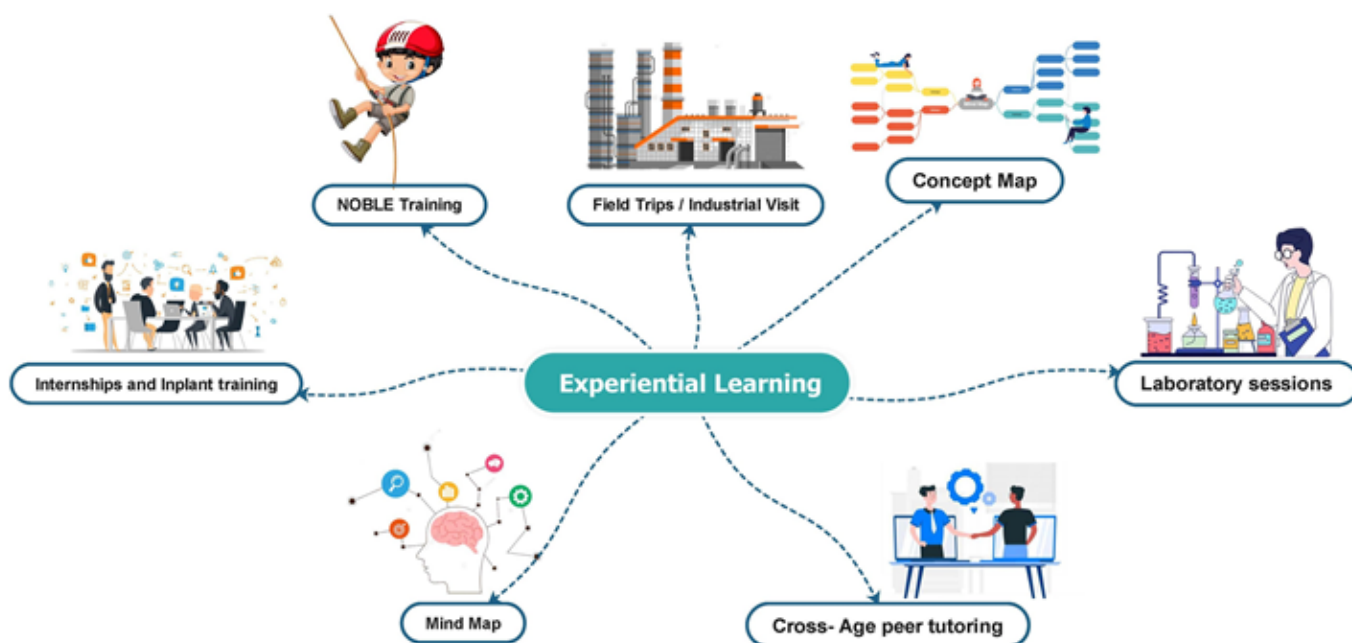
Software and model experiments and projects in the laboratory sessions make our students learn apart from the regular curriculum.

- **Cross-age peer tutoring**

During Cross-age peer tutoring, a tutor-tutee scheme is practised, where learning is done among students when one student instructs another on a subject in which the first student is proficient and the second student is a novice.

- **NOBLE (Nehru Outbound for Leadership Excellence)**

NOBLE unleash the hidden potential of our freshers to reinvent themselves.



Participative learning:

- **Workshops, seminars, technical symposiums**

Student participation in co-curricular activities helps to learn content beyond the syllabus and build their confidence level.

- **Self-Learning through certification courses**

Active participation in certification courses through Spoken tutorial, Sololearn, Coursera etc.

- **Group Discussion**

Group /classroom discussion improves our student's communication skills. For the betterment, the Language lab also takes part in reading and writing practices.

- **Seminars**

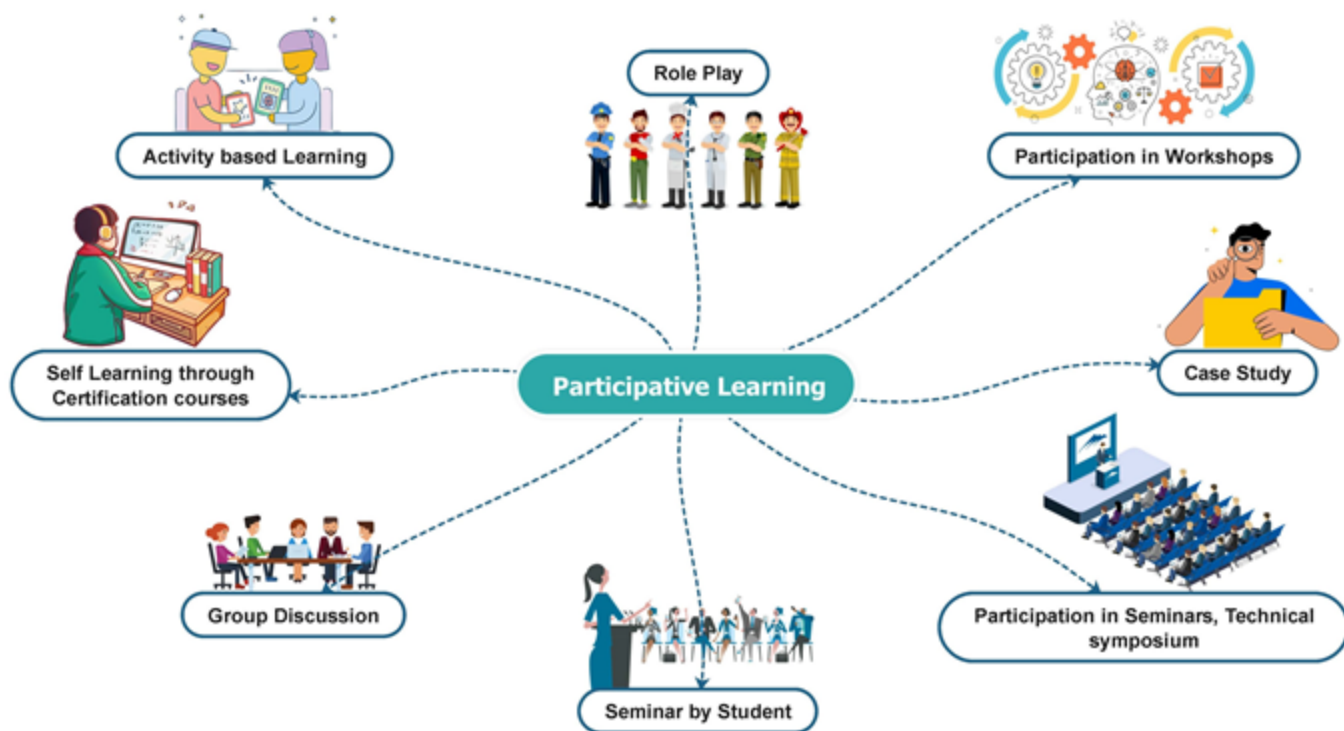
Guidance is given to students by faculty members for preparing and presenting PPTs which motivates them to present seminars/ papers at conferences.

- **Case Study**

Case studies are identified and included for problematic courses and assigned to students in evaluation of students' performance in indirect assessment.

- **Role Play**

Students take a title/concept in a subject and play through speaking, acting, etc for better understanding.



Problem-solving methodologies:

- **Smart India Hackathon**

We encourage our students to participate in hackathons to bring out their design and creative thinking.

- **NEW GEN IEDC**

NGI NEWGEN IEDC is funded by DST, which initiates our students to prepare and submit their startup proposals for converting their innovative ideas into startups. Here the students are encouraged to be Job Creators and not Job Seekers.

- **TNSCST**

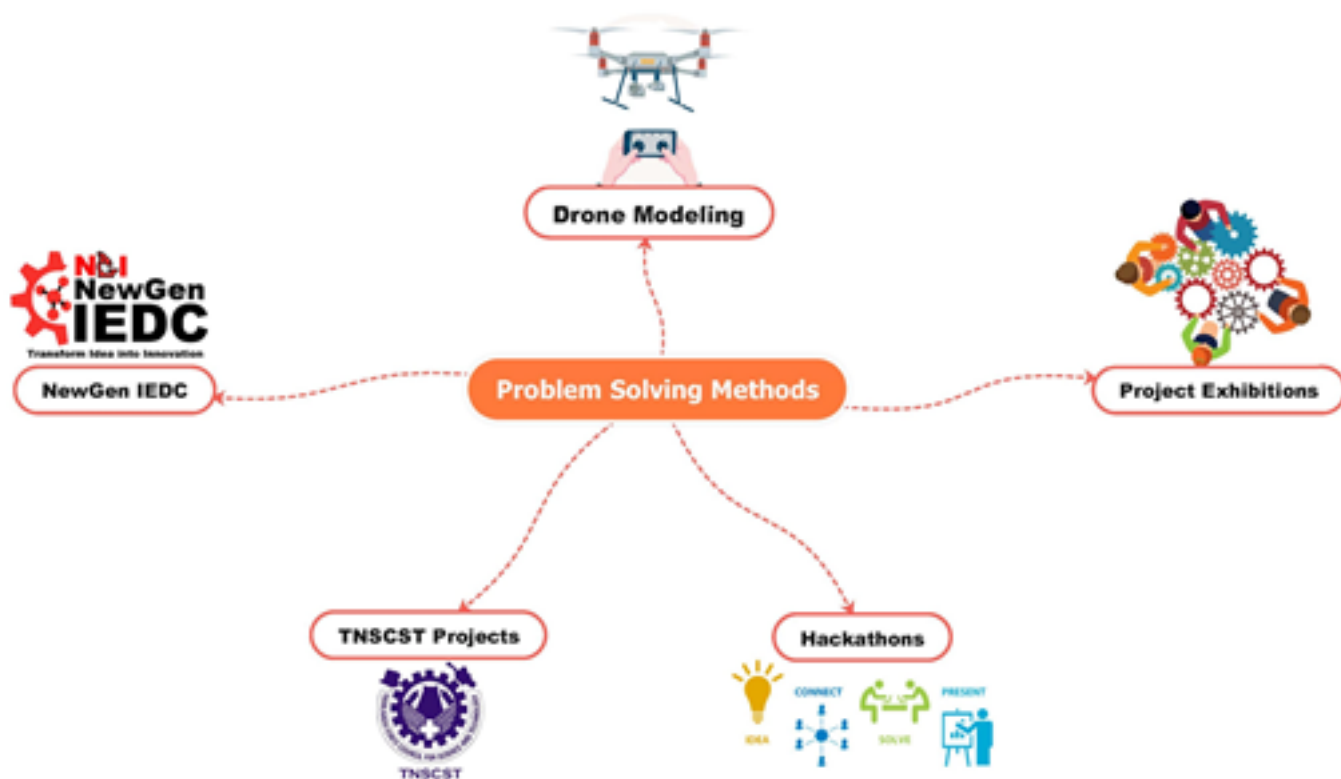
Our final year and pre-final year students are guided and motivated to convert their projects into funded proposals to TNSCST.

- **Science Expo**

During the science expo, students from all streams prepare models and projects to exhibit their ideas in an innovative way.

- **Drone Modeling**

Students are taught the skills of handling tools involved in making drones. To have better control over overflying a drone, Students are given practice on simulators.



In addition to this, soft skills and aptitude training hours are included in the regular timetable and handled by the placement cell faculty.

File Description	Document
Upload any additional information	View Document
Link for additional information	View Document

2.3.2 Teachers use ICT enabled tools for effective teaching-learning process.

Response:

ICT has also become integral to the teaching-learning interaction which replaces the traditional approaches like chalkboards with interactive digital whiteboards and also makes the students use their own smartphones or other devices for learning.

Our institute achieved the effective teaching-learning process by means of,

- **Classrooms and Seminar halls:** Provided with Computers, LCD projectors, WI-FI connectivity, speakers and mikes.

- **Smart classrooms:** Provided with Monitors with WI-FI facility.
- **Digital Library:** Our college's Digital library and National Digital Library act as additional tools for learning along with e-journal packages of DELNET, Knowledge hub and e- shodhusindhu which enables the students and faculty members to update their knowledge on recent technology and developments.
- **Videos and PPTs:** Our faculty members create videos and PPTs for the course contents and shared them on the YouTube channel and also in our institution LMS –*icampuz* software. This helps our students, who missed/are not able to attend the regular classes on any day.
- **LMS**
 - **I-campuz:** Our institution LMS–*icampuz* maintains faculty profiles, student profiles, class timetables, lesson plans, student attendance, internal marks, assignments, SMS facility, etc.
 - **Google Classroom:** Used to manage and upload course materials, provides an option to create, grade and share the tests and assignments, feedback etc.
 - **Edpuzzle:** Our teachers used this tool to create online videos by embedding open-ended or multiple-choice questions, audio notes, and audio tracks on a video.
 - Along with this, NPTEL Lecture notes, videos and MOOC links are provided to the student.
- **Quiz Tools:** The following tools are practised by our faculty for testing the students' knowledge.
 - **Quizizz:** Used for group assignments, pre-test reviews, formative assessments and pop quizzes.
 - **Socrative:** A Tool used for immediate feedback for the learning process.
 - **Quilgo:** A tool that is used as a timer and tracking tool in Google forms.
 - **Plickers:** This assessment tool is used by a teacher who was looking for a quick and simple way to check students' understanding and allows to collect of on-the-spot formative assessment data without paper and pencil.
 - **Kahoot:** -An online classroom review game that students join using smartphones to answer quizzes. It uses a point system to reward correct responses quickly.
- Faculty and staff have attended more workshops and webinars on ICT tools to improve effective teaching and learning.

The entire teaching fraternities have moved from the physical classroom and adopted online mode during this pandemic situation and to follow the Government SOP (Standard Operating Procedure). Our campus achieved and continues the teaching-learning process along with regular classes by means of online lectures through Google-Meet, Zoom etc. It really plays a vital role to connect our students and faculty members to their doorsteps which brings the same effect as physical classes.



File Description	Document
Upload any additional information	View Document
Provide link for webpage describing the ICT enabled tools for effective teaching-learning process	View Document

2.3.3 Ratio of students to mentor for academic and other related issues (Data for the latest completed academic year)

Response: 11:1

2.3.3.1 Number of mentors
Response: 45

File Description	Document
Upload year wise, number of students enrolled and full time teachers on roll.	View Document
mentor/mentee ratio	View Document
Circulars pertaining to assigning mentors to mentees	View Document

2.4 Teacher Profile and Quality

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

Response: 102.48

File Description	Document
Year wise full time teachers and sanctioned posts for 5years(Data Template)	View Document
List of the faculty members authenticated by the Head of HEI	View Document
Any additional information	View Document

2.4.2 Average percentage of full time teachers with 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: 0.89

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

2020-21	2019-20	2018-19	2017-18	2016-17
1	1	1	1	1

File Description	Document
List of number of full time teachers with Ph. D. / D.M. / M.Ch. / D.N.B Superspeciality / D.Sc. / D.Litt. and number of full time teachers for 5 years (Data Template)	View Document
Any additional information	View Document

2.4.3 Average teaching experience of full time teachers in the same institution (Data for the latest completed academic year in number of years)

Response: 5.7

2.4.3.1 Total experience of full-time teachers

Response: 478.6

File Description	Document
List of Teachers including their PAN, designation, dept and experience details(Data Template)	View Document
Any additional information	View Document

2.5 Evaluation Process and Reforms

2.5.1 Mechanism of internal assessment is transparent and robust in terms of frequency and mode

Response:

The institute follows a semester system for both U.G and P.G programs. Before commencement of the classes, the semester academic calendar is prepared based on the University academic schedule and displayed to the students.

Academic calendar includes

- Class Commencement Date
- Ending Date
- Internal Test Dates
- Model Exam Dates
- University Exams Dates.
- Project review Dates
- Events / Activities Dates etc.

During the orientation program the freshers and the parents are updated about the Continuous Performance Monitoring System (CPMS) and the minimum attendance requirements for appearing in the university examination, pass mark requirements and grading systems of university examinations.

Examination Management System (EMS):

- EMS integrates and plays an important role in the smooth conduction of exams with exam coordinators from each department.
- Evaluation is done at a maximum of three days of exam completion and marks are displayed to the students and immediate responses to the grievances also.
- Due to recent pandemic, the whole process from written examination has been shifted to multiple choice questions. The assessment of answer sheets is auto generated through the Google forms, where respective subject teacher provides correct choices making the evaluation process robust and transparent.

Continuous Performance Monitoring System:

- Continuous Performance Monitoring System includes Class test, Internal Test and Model Examination from time to time. Class tests are regularly conducted after the completion of half units or some topics.
- Internal tests are conducted after the completion of two units. Model Exams are conducted for both

theory and practical courses after the syllabus.

- Grievances and syllabus completion status is verified through class committee meeting.
- CPMS help the faculty to track the student's progress and is used to classify slow and advanced learners as well as the student to know his/her performance for improvement through coaching classes/certification courses.
- The student's performance is intimated to the parents via SMS and Inland letter and displayed on the Notice board.

Result Analysis:

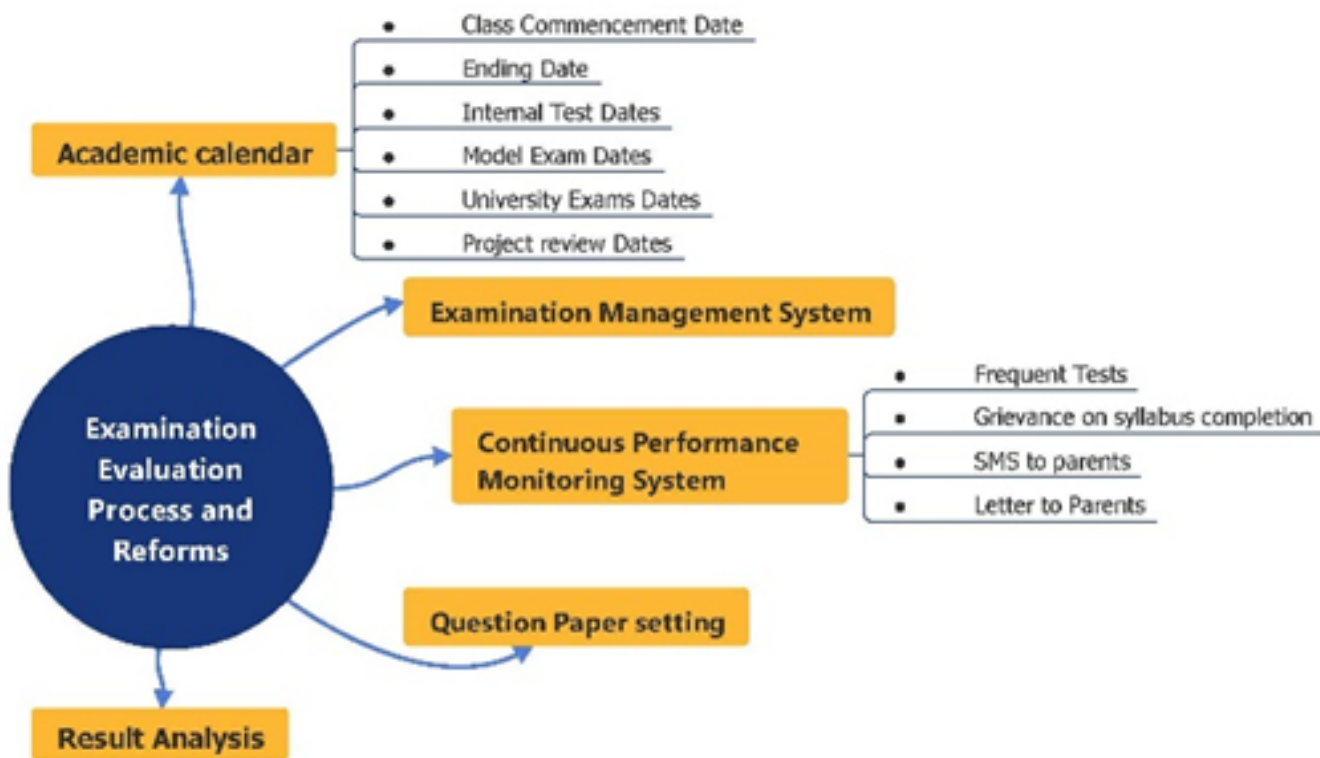
Each department conducts result analysis meetings at the micro level to improve the student's performance in the later internal exams. Based on the HoD's / Principal's recommendation the slow learners are given a second chance to write the exam or to submit assignments for the improvement of marks. All the process is audited/verified by IQAC and the head of the institution periodically.

Question Paper Setting:

- IQAC has prepared standard formats for question papers based on Course Outcomes (COs).
- Department IQAC coordinator / Examination Management System coordinator scrutinizes the question papers to ensure the standard, syllabus coverage and COs with revised bloom taxonomy for higher-order thinking.

Question Paper Pattern: Internal Test (50)

Regulation	Part A	Part B	Part C
R2013	(5 x 2 Marks = 10 Marks)	(Either or Questions 2 x 13 Marks = 26 Marks)	(1 x 14 marks = 14 Marks)
R2017	(5 x 2 Marks = 10 Marks)	(Either or Questions 2 x 12 Marks = 24 Marks)	(1 x 16 marks = 16 Marks)



File Description	Document
Any additional information	View Document
Link for additional information	View Document

2.5.2 Mechanism to deal with internal/external examination related grievances is transparent, time-bound and efficient

Response:

Validating is more important than verification. Our student’s performance is measured by the means of Internal and External -University Examinations that are being conducted by EMS.

Internal Examination:

- As per the Academic calendar, the internal exam timetable is prepared and approved by HoD/Principal and displayed on the Notice board for students’ knowledge.
- Course faculty prepares two sets of question papers and one will be selected by the department EMS coordinator or HoD.
- Students are instructed not to involve in any form of malpractice. If any found indulging in malpractice the student is not allowed to continue the examination and the answer script is handed over to HoD and warned seriously. Along with this, counselling is also given to the student to not repeat the same in future. Then he/she will be allowed to rewrite the exam with the approval of the Head of the Institution.
- Within three working days, the answer script will be evaluated and marks are displayed to the

students. If any grievance, it will be addressed by the concerned course faculty immediately and if needed reported to HoD/ Principal for further action.

- Slow learners and absentees which valid reasons are given a second chance to appear for the internal tests or to submit assignments which gives an opportunity for the improvement of internal marks (Internal marks carry 20% weightage)
- The result analysis of each examination will be prepared by the Class advisor and the same is duly submitted to the Principal after approval from the Head of the department for the assessment entry.
- Each and every student has individual login in the university portal where he/she can view their internal assessment marks which are transparent.

External / University Examination:

- University examinations are conducted by the EMS as per university guidelines.
- University exam rules and regulations are displayed on the Notice board and hall tickets are issued to eligible students.
- During the examination, latecomers are permitted and allowed to write within 30 minutes of commencement of exam, with valid reason.
- Course instructor reviews the question papers on that day itself to find out the percentage of toughness, and grievances in the question paper and the feedback is given to the Principal with HoD knowledge.
- If any grievances are found in the question paper such as out of syllabus, typographical errors, values not properly mentioned, missing values etc. are informed to the University through mail/post immediately for consideration during evaluation.
- After the declaration of results by the University, if any student has a grievance/dissatisfaction in evaluation he/she can apply for the photocopy of the answer scripts with the university prescribed fee.
- The University sends the photocopies of students' answer scripts to the institution and it is evaluated by the concerned course faculty. Based on the internal valuation the student can apply for revaluation with a nominal fee.
- Even after the revaluation, if the student is not satisfied with the result, he/she can apply for a challenge valuation. The institution provides all support for applying the same.

File Description	Document
Any additional information	View Document
Link for additional information	View Document

2.6 Student Performance and Learning Outcomes

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

Response:

Outcome-Based Education (OBE) is practised in our institution since 2016 which is a student-centric

learning model that helps our faculty members to plan the course delivery and assessment with the outcomes in mind. In line with OBE, Course Outcomes (COs), Program Outcomes (POs) and Program Specific Outcomes (PSOs) are evolved.

Program Educational Objective (PEOs), Programme Specific Outcomes (PSOs), Programme Outcomes (POs), and Course Outcomes (COs), defined in Anna University 2017 & 2021 regulations, are used as guidelines for all U.G and P.G programmes.

Course Outcomes remain the base of the hierarchy of outcomes and act as a tool to measure student performance in each course. COs are major domain-specific outcomes written using action verbs that are specific, measurable and can be demonstrated by students on completion of the course. Course Outcomes are defined for all courses.

An OBE-course plan includes course objectives, outcomes, COs-POs and COs – PSOs mapping along with a lecture plan. It is prepared by the concerned course instructor with adequate knowledge. To get awareness and more ideas about PEOs, POs, PSOs and COs mapping and attainment, training and webinars are provided to faculty members. Student awareness is created during lecture classes and also presented in the internal examination question papers, so every student is well aware of the COs of the subject.

The Program Outcomes are disseminated at

- Institution website
- Syllabus
- Library
- Departments
- Laboratories
- Classrooms

The Course outcomes and Program-specific outcomes are disseminated to students through

- Course plan
- Institution website
- Laboratories

Additionally, dissemination of PEOs to various stakeholders of the program is done at the meetings of faculty members, Academic Advisory Committee (AAC), Governing council and our ERP – *icampuz*.

File Description	Document
Upload COs for all Programmes (exemplars from Glossary)	View Document
Upload any additional information	View Document
Past link for Additional information	View Document

2.6.2 Attainment of programme outcomes and course outcomes are evaluated by the institution.

Response:

Assessment gives us essential information about what the students are learning and about the extent to which our teaching goals are met.

Attainment of Course outcomes:

Attainment of course outcomes are evaluated by considering the following two categories.

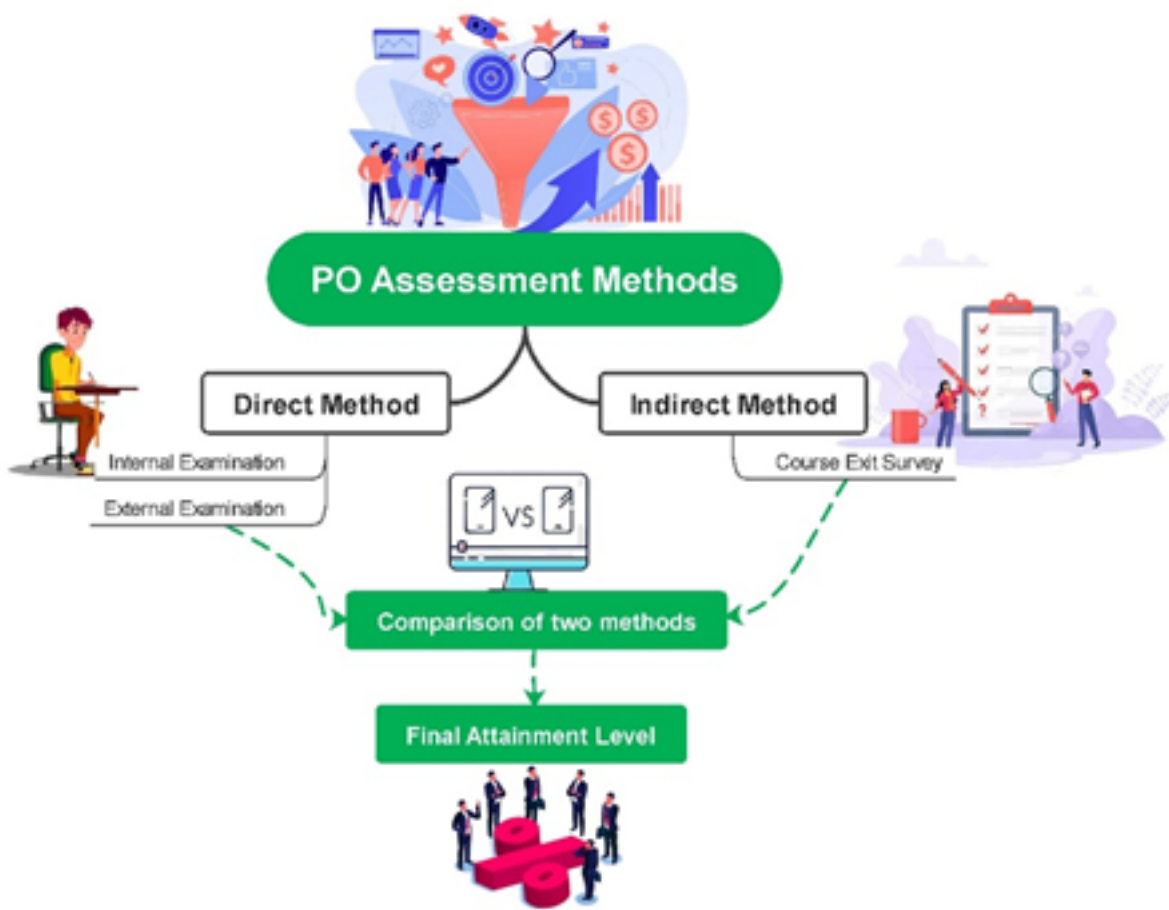
1. Direct Assessments
 1. Internal Assessment Marks
 2. End Semester University Examination Results
2. Indirect Assessments
 1. Mini projects and case studies
 2. Assignments / seminars
 3. Quiz programs and events
 4. Feedback on subjects / post analysis
 5. Class committee meeting
 6. Exit survey

Internal Assessment Test:

- Internal Assessment Tests (three) are conducted to assess the course outcomes at the micro level thereby attaining the programme outcomes.
- **Assessment Period:** - After every internal test.
- **Documentation:** - The Internal Assessment Test marks are analyzed and documented in the department and also communicated to the parents along with the percentage of attendance.

Feedback on subjects / Post analysis:

- **Assessment Tool:** Students will assess the class room delivery on various parameters. This will help in assessing the attainment of course outcomes.
- **Assessment Period:** Every Semester
- **Documentation:** The HoD/Senior faculty/Senior Class Advisor will collect the feedback at the end of the semester and analyzed. The results are documented in the department.



The IQAC conduct coherent assessment of the learning outcome through academic audit to watch and ensure the quality and consistent academic progression. In case of not achieving the anticipated learning outcome, the IQAC takes essential steps to revamp the program assessment methods.

File Description	Document
Upload any additional information	View Document
Paste link for Additional information	View Document

2.6.3 Average pass percentage of Students during last five years

Response: 82.24

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

2020-21	2019-20	2018-19	2017-18	2016-17
174	183	189	197	349

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

2020-21	2019-20	2018-19	2017-18	2016-17
177	197	285	276	424

File Description	Document
Upload list of Programmes and number of students passed and appeared in the final year examination (Data Template)	View Document
Upload any additional information	View Document
Paste link for the annual report	View Document

2.7 Student Satisfaction Survey

2.7.1 Online student satisfaction survey regarding teaching learning process

Response: 3.93

File Description	Document
Upload database of all currently enrolled students (Data Template)	View Document
Upload any additional information	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, Chairs in the institution during the last five years (INR in Lakhs)

Response: 56.98

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)

2020-21	2019-20	2018-19	2017-18	2016-17
48.71	6.66102	0.639	0.46	0.5055

File Description	Document
List of endowments / projects with details of grants	View Document
e-copies of the grant award letters for sponsored research projects / endowments	View Document
Any additional information	View Document

3.1.2 Percentage of teachers recognized as research guides (latest completed academic year)

Response: 3.57

3.1.2.1 Number of teachers recognized as research guides

Response: 03

File Description	Document
Institutional data in prescribed format	View Document
Any additional information	View Document

3.1.3 Percentage of departments having Research projects funded by government and non government agencies during the last five years

Response: 55.88

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

2020-21	2019-20	2018-19	2017-18	2016-17
5	3	3	5	3

3.1.3.2 Number of departments offering academic programmes

2020-21	2019-20	2018-19	2017-18	2016-17
6	6	6	8	8

File Description	Document
Supporting document from Funding Agency	View Document
List of research projects and funding details	View Document
Any additional information	View Document
Paste link to funding agency website	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:

The Centre for Research and Innovation (CRI) serves as a vehicle for developing processes for conducting research and scholarly activities, as well as promoting applied research and innovation.

Research Centres:

1. Centre for Materials Research (CMR)

Centre for Materials Research (CMR) is to support the broad materials science and engineering community at Nehru Institute of Technology (NIT), Coimbatore to enable disciplinary and interdisciplinary research of benefit to society, to develop and sustain effective educational and societal outreach programs and to engage with industry.

2. Centre for Data Processing and Information Security (CDPIS)

The mission of centre is to promote the advancement and implementation of Research activities among faculty and students through research and education in partnership with industry in the areas of Data Processing & Information Security.

3. Centre for Environmental and Social Research (CESR)

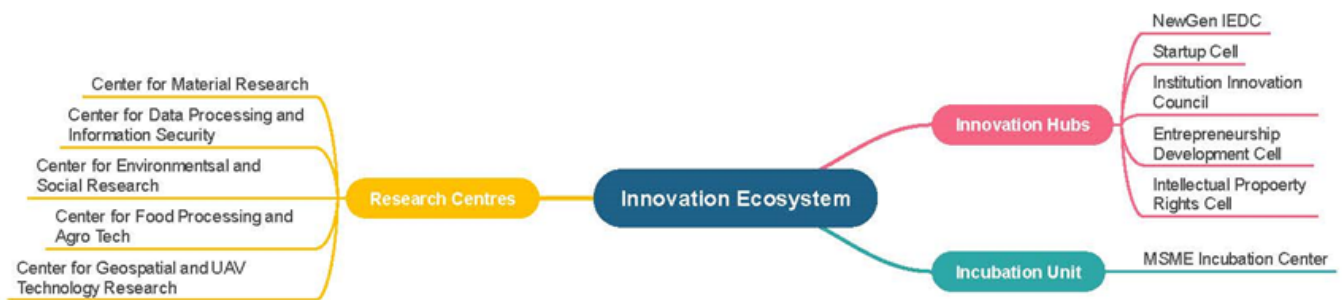
Centre for Environmental and Social Research (CESR) works in the area of Science & Technology, Scientific & Industrial Research, New & Renewable Energy, Tribal Welfare, Humanities, Human Resource, Marketing, Finance, Logistics, and Business Analytics.

4. Centre for Food Processing and Agro Tech (CFP&AT)

The centre plays a lead role in developing appropriate, need based and cost effective farm machinery tools, soil and water conservation techniques, post-harvest technologies, renewable and energy resources, food product development, novel food processing technologies and dissemination of the outputs to the user groups for large scale adoption.

5. Centre for Geo Spatial and UAV Technology Research (CG&UTR)

The Centre for Geospatial and UAV Technology Research through Various programmes & Workshops will train both the Faculty & students towards handling sophisticated survey equipment, remote sensing techniques & GIS in alignment with the smart city requirements & Digital India vision.



Innovation Hubs:

1. NIT – New Gen IEDC Cell

New Gen IEDC is a platform where the college students can transform their ideas into commercially viable business and can become entrepreneurs.

2. NIT – Start-up Cell

Objective of this cell is to help create and grow young business by providing them with necessary support and financial and technical services.

3. NIT – Institution Innovation Council (IIC)

NIT IIC is conducting various innovation and entrepreneurship-related activities prescribed by Central MIC in time bounded fashion.

4. NIT – Entrepreneurship Development Cell (EDC)

NIT initiated Entrepreneurship Development Cell and registered it under Entrepreneurship Development and Innovation Institute, Government of Tamil Nadu (TN-EDII). NIT - EDC is one of the Spoke Institutions of the Anna University Regional Center Coimbatore.

5. NIT – Intellectual Property Rights (IPR) Cell

The primary objective of the IP Policy of Nehru Institute of Technology is to establish appropriate principles for creation, protection, ownership and management of intellectual property in the Institute.

6. MSME Incubation Centre

The main objective of the scheme is to promote & support untapped creativity of individual and to promote adoption of latest technologies in manufacturing as well as knowledge based innovative MSMEs.

The Institute provides well-equipped laboratories to meet the needs of students and to encourage them to engage in research and development.

File Description	Document
Upload any additional information	View Document
Paste link for additional information	View Document

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

Response: 74

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

2020-21	2019-20	2018-19	2017-18	2016-17
17	14	13	15	15

File Description	Document
Report of the event	View Document
List of workshops/seminars during last 5 years	View Document

3.3 Research Publications and Awards

3.3.1 Number of Ph.Ds registered per eligible teacher during the last five years

Response: 3**3.3.1.1 How many Ph.Ds registered per eligible teacher within last five years**

Response: 09

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

Response: 03

File Description	Document
List of PhD scholars and their details like name of the guide , title of thesis, year of award etc	View Document
Any additional information	View Document
URL to the research page on HEI website	View Document

3.3.2 Number of research papers per teachers in the Journals notified on UGC website during the last five years**Response: 1.43****3.3.2.1 Number of research papers in the Journals notified on UGC website during the last five years.**

2020-21	2019-20	2018-19	2017-18	2016-17
32	51	15	25	51

File Description	Document
List of research papers by title, author, department, name and year of publication	View Document
Any additional information	View Document

3.3.3 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: 0.04****3.3.3.1 Total number of books and chapters in edited volumes/books published and papers in national/ international conference proceedings year-wise during last five years**

2020-21	2019-20	2018-19	2017-18	2016-17
1	1	1	1	1

File Description	Document
List books and chapters edited volumes/ books published	View Document
Any additional information	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:

Nehru Institute of Technology (NIT) promotes a multitude of extension and outreach activities for the surrounding community and encourages students to take part in activities in order to better understand social issues and ethical values, as well as to act with more socio-economic responsibility in their careers after graduation. The NIT-NSS students have formed a network with the local community to carry out and learn about social projects such as Rally programmes on the theme of saving the river, road safety, AIDS awareness, dengue fever eradication, and breaking the Corona Chain. Every year, NIT-NSS holds a 5-day special camp in the adopted villages, during which they paint school blackboards, organise sports, and provide computer education.

Through the volunteers of NIT-NSS, RRC & YRC Units, our Institute has conducted many blood donation camps, health awareness camps, and medical camps in adjacent villages to improve their health and diagnosis fatal diseases early. Approximately 500 units of blood have been donated to the government hospital at Thirumalayampalaym and the Coimbatore Central Hospital as a result of these camps. According to the Swach Bharat Programme, volunteers from the institute's NIT-NSS and NIT-YRC arrange cleaning programmes to restore the cleanliness of schools and temples and roads through sanitization camps. Rally programmes on Eradication of Swine Flu, Dengue fever, AIDS Awareness, World Environmental Day, Stop Polluting Everything, Zero Food waste and Food recycling were organized in the neighborhood areas.

Through volunteers from the NSS, YRC, and RRC, the Institute NIT raises awareness about the significance of planting saplings in the surrounding areas, as tree planting can help to mitigate global warming by absorbing more carbon dioxide. As part of a project to raise awareness about global warming and afforestation, primary guests speaking at each programme were given a tree sapling, and every NIT student and faculty member was encouraged to plant "One NITian - One Tree" at their house or a convenient site.

Dream Home for the Dreamers

The Institution stands front in supporting underprivileged in the society by giving them a warm shelter in the name “**Nehru Dream Home**” which gives them a new life with more enthusiasm and confidence. The institution extends its helping hands to families who suffer from financial crunch under various aspects.

Awareness on Vaccination and Corona’s Fatal Impact

The institution has taken extreme measures to break the corona chain by conducting programs about the intensity of the disease being fatal to life and also the importance of vaccination to the village peoples. The programs organized have increased the percentage of people vaccinated to the maximum or fullest.

Other Activities

Our NIT Institute Students and staff members provided relief materials to the people of natural disaster (Flood) affected areas like Kerala, Chennai and Cuddalore in the year 2016. From the inception of the year **2008**, food is being provided at free of cost to the Thirumalayampalayam & Kaliyapuram village peoples every day morning and afternoon under **AMUDHA SURABY scheme for a decade**.

File Description	Document
Upload any additional information	View Document
Paste link for additional information	View Document

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

Response: 0

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

2020-21	2019-20	2018-19	2017-18	2016-17
0	0	0	0	0

File Description	Document
Number of awards for extension activities in last 5 year	View Document

3.4.3 Number of extension and outreach programs conducted by the institution through NSS/NCC, Government and Government recognised bodies during the last five years

Response: 202

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

2020-21	2019-20	2018-19	2017-18	2016-17
13	25	64	60	40

File Description	Document
Reports of the event organized	View Document
Number of extension and outreach Programmes conducted with industry, community etc for the last five years	View Document
Any additional information	View Document

3.4.4 Average percentage of students participating in extension activities at 3.4.3. above during last five years

Response: 70.03

3.4.4.1 Total number of Students participating in extension activities conducted in collaboration with industry, community and Non- Government Organizations such as Swachh Bharat, AIDs awareness, Gender issue etc. year-wise during last five years

2020-21	2019-20	2018-19	2017-18	2016-17
324	248	562	822	942

File Description	Document
Report of the event	View Document
Average percentage of students participating in extension activities with Govt or NGO etc	View Document
Any additional information	View Document

3.5 Collaboration

3.5.1 Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship per year

Response: 174**3.5.1.1 Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship year-wise during the last five years**

2020-21	2019-20	2018-19	2017-18	2016-17
26	53	22	58	15

File Description	Document
e-copies of related Document	View Document
Details of Collaborative activities with institutions/industries for research, Faculty exchange, Student exchange/ internship	View Document

3.5.2 Number of functional MoUs with institutions, other universities, industries, corporate houses etc. during the last five years**Response:** 33**3.5.2.1 Number of functional MoUs with Institutions of national, international importance, other universities, industries, corporate houses etc. year-wise during the last five years**

2020-21	2019-20	2018-19	2017-18	2016-17
7	8	5	6	7

File Description	Document
e-Copies of the MoUs with institution/ industry/corporate houses	View Document
Details of functional MoUs with institutions of national, international importance, other universities etc during the last five years	View Document
Any additional information	View Document

Criterion 4 - Infrastructure and Learning Resources

4.1 Physical Facilities

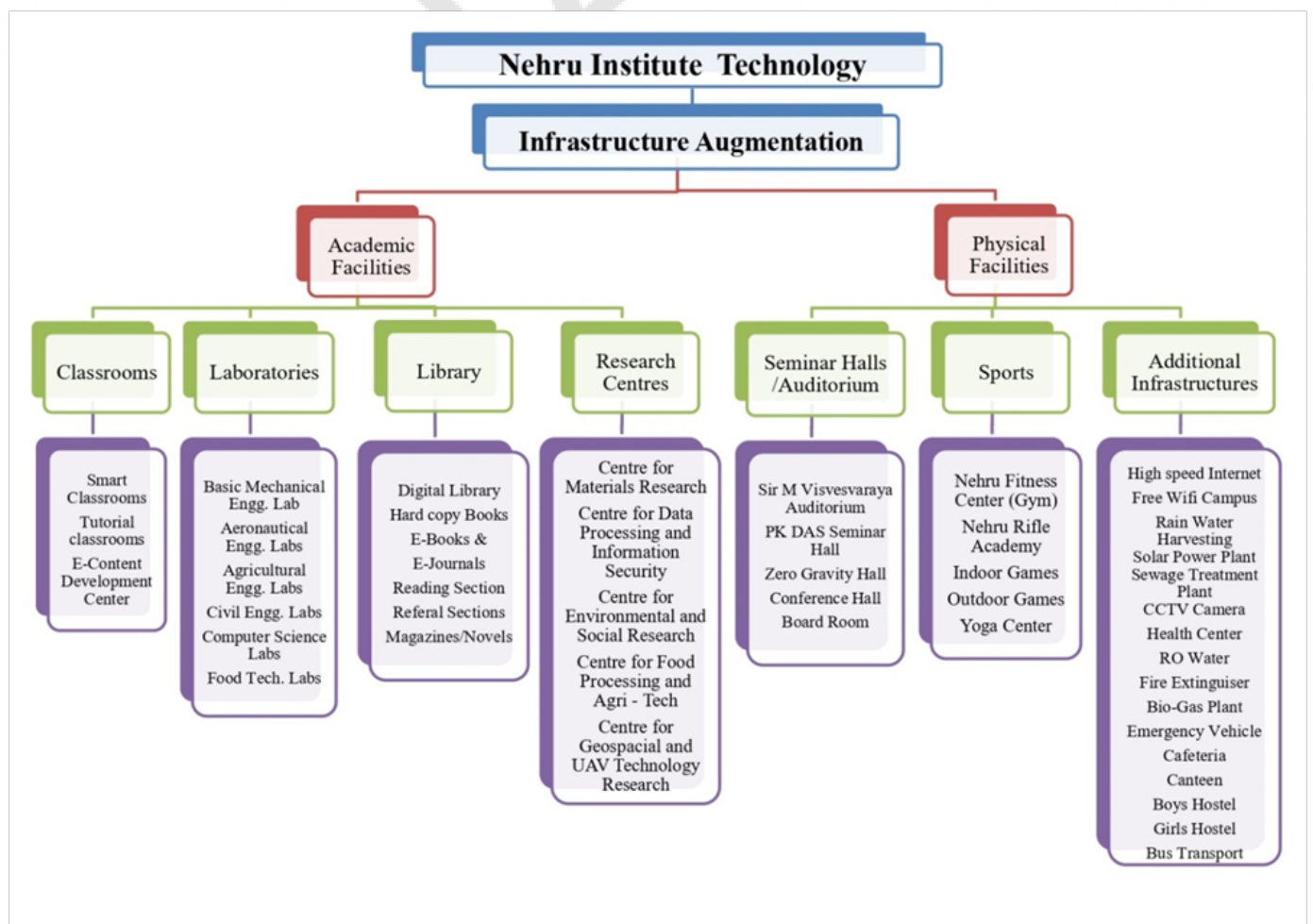
4.1.1 The Institution has adequate infrastructure and physical facilities for teaching- learning. viz., classrooms, laboratories, computing equipment etc.

Response:

Nehru Institute of Technology is a green campus with scenic beauty, attractive architecture and an eco-friendly environment spread across 12.66 acres with a built-up area of 20962 square meters (including Hostel, Canteen, and Sports).

The Campus have sophisticated classrooms, highly equipped laboratories and high standard infrastructure for supporting teaching-learning facilities with smart classrooms, e- content development center, Seminar Halls, Tutorial rooms, Digital library and Computing facilities like high configured computer laboratories and high speed of Wi-fi connectivity to the entire campus which makes the teaching-learning more effective.

Additionally for the benefit of students, institution has facilities such as an indoor auditorium, hostel facilities for boys and girls, health center, boys and girls common rooms, stationaries, reprographic facility, transport facility, sports facilities such as indoor and outdoor games, Nehru Fitness Center (Gym) and Nehru Air Rifle Academy.



Salient facilities of Nehru Institute of Technology for teaching – learning:***Classrooms***

- All the classrooms are well-furnished, roomy, well-ventilated and well-lit. Classrooms are well-equipped for optimal visibility and audibility. Their sizes are in line with AICTE norms.
- Wi-Fi connectivity and sufficient audio systems have been enabled in smart classrooms with smart digital boards or LCD projectors with high-quality interactive devices.
- All the classrooms are furnished with enough furniture, fans, lighting, a green board, whiteboards and ample power outlets.

Laboratories

- According to Anna University regulations, the laboratory facilities are established in two Laboratory Blocks (I & II) offer Engineering Courses.
- Each laboratory is equipped with safety equipment such as fire extinguishers, first aid kits, "DO's and DON'Ts" awareness boards, and a detailed list of experiments.

Computing Facilities

- The institution has 415 computers for both academic and administrative purposes.
- The internet speeds of 60 Mbps (BSNL) and 20 Mbps (Railtel) are available.
- WIFI enabled campus facilitates the student and staff to access E-resources and journals.
- An in-house ERP software (Icampuz) is available to fulfill all our academic and administrative processes like Staff and Student database Management, Curriculum Management, Academic Process Management (Timetable, Attendance, Internal marks, Question bank, Lesson plan documents), Examination Management, Library Management, Documentation Management and Analytics.
- It is comprised with 5 computer laboratories with 300 computers
- Digital library and Smart classrooms have 60 computers with more than 80 Mbps internet speed for enhancing teaching-learning process of students and faculty members.
- The computer laboratories are enabled with various softwares like MatLab, Xilinx, Python Turbo-C, Java, AutoCAD, CATIA, ANSYS, Solid Works, etc., and the knowledge resources like NPTEL, NDLI, YouTube video tutorials for enhancing teaching-learning process.
- Power back-up of UPS-100 KVA+50 KVA and power generator of 125 KVA are available.

Seminar Halls / Auditorium

- Sir M Visvesvaraya Indoor Auditorium of 4000 sq.ft area with Air conditioning with 500 seating capacity.
- P.K.DAS Hall is a sprawling 2170 sq. ft. space with full air conditioning (A/C) and seats for 250 people.
- Zero Gravity Hall of 1120 sq.ft with Air conditioning with 100 seating capacity is available.

Seminar halls and Auditorium are equipped with ICT facilities like projectors, wireless microphones, and public addressing system with internet facility to conduct lectures, seminars, webinars, conferences, guest lectures and workshops.

File Description	Document
Upload any additional information	View Document
Paste link for additional information	View Document

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

Response:

Facilities for sports & games

Both genders of students have access to suitable sports and game facilities at the institution. Both outdoor and indoor games are well-served at the institution. We have a well-equipped playground and play-court/stadium for outdoor games such as Kabaddi, Football, Volleyball, Basketball, Cricket, Throw ball, Tennikoit and a 200-meter track for athletics. Table tennis, Carrom Boards, and Chess Boards, indoor court amenities, are available to both male and female.

The Institution has actively encouraged students to participate in numerous sports and games because it feels that an individual's total development is important. For employees and students, the Department of Physical Education organizes sports and games such as cricket, football, volleyball, athletics, and throw ball as well as indoor games such as tennikoit, table tennis, Caroms, Badminton, and Chess.

Gym Facilities

The institution includes a large gym named the Nehru Fitness Center, which has a variety of equipment for students and staff to improve their physical fitness with the help of a trained coach. The gym has also equipped with both cardiovascular and weight training equipments. Through these fitness centers, many of our students have won state and national bodybuilding contests.

Nehru Air Rifle Academy

The institution has a modern rifle shooting facility known as the Nehru Air Rifle Academy, which provides experienced trainers to cater to the shooting talents of students and employees.

Yoga Center

Yoga practices every day on campus to nurture pupils' young brains, and other events were conducted throughout the year. Students are encouraged to participate in Independence Day, Republic Day, and cultural events both inside and outside the campus.

The details of facilities available for sports and games are detailed in the table below:

Name of the Facility	Quantity	Area / Size in sq. ft.	Year of Establishment
Play Ground	1	196020.49	2008
Gymnasium	1	6404.53	2008
Yoga centre	2	13993.08	2008
Indoor Games			
Carom Boards	2	1937.5	2008
Chess Boards	2	1937.5	2008
Table Tennis	2	2368.06	2008
Outdoor Games			
Volley Ball Court	1	8708	2008
Football Court	1	53819.55	2008
Athletic 200 m track	1	13993.08	2008
Kabaddi Court	2	8611.13	2008
Long Jump Track	1	2152.78	2008
High Jump Track	1	2152.78	2008

Facilities for cultural activities

The institution contains an indoor auditorium, an open-air auditorium and a practice area with well-equipped equipments for both male and female students, with a seating capacity of more than 500. Students are encouraged to participate in many cultural events around India, such as dancing, singing, miming, painting and so on. They have also taken part in various inter-college and intra-college cultural fests conducted by the Nehru group of institutions.

File Description	Document
Upload any additional information	View Document
Paste link for additional information	View Document

4.1.3 Percentage of classrooms and seminar halls with ICT- enabled facilities such as smart class, LMS, etc. (Data for the latest completed academic year)

Response: 100

4.1.3.1 Number of classrooms and seminar halls with ICT facilities

Response: 27

File Description	Document
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	View Document
Upload any additional information	View Document
Paste link for additional information	View Document

4.1.4 Average percentage of expenditure, excluding salary for infrastructure augmentation during last five years(INR in Lakhs)

Response: 26.09

4.1.4.1 Expenditure for infrastructure augmentation, excluding salary year-wise during last five years (INR in lakhs)

2020-21	2019-20	2018-19	2017-18	2016-17
0.50160	135.08619	2.30400	174.12528	347.24919

File Description	Document
Upload Details of budget allocation, excluding salary during the last five years (Data Template)	View Document
Upload audited utilization statements	View Document
Upload any additional information	View Document

4.2 Library as a Learning Resource

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

Response:

Details about Integrated Library Management System (ILMS) during last five years

Year	Name of ILMS software	Nature of automation	Version	Year of Automation
2020-21	Koha	Fully	20.05	2020
2019-20	AutoLib	Partially	6	2008
2018-19	AutoLib	Partially	6	2008
2017-18	AutoLib	Partially	6	2008
2016-17	AutoLib	Partially	6	2008

Central Library

The central library has two floors with a total area of 8000 square feet and 3500 square feet of reading space, with a seating capacity of 130. The library has also provided with reprographic services. The library provides Web OPAC (Online Public Access Catalogue) facility to access the digital library. The digital library offers 30 computers with internet connectivity allowing students to access e-journals, e-books, and other resources. In addition to this institution, Central Library offers five systems for NPTEL learning platforms, which are available on all working days (9 a.m. to 6 p.m.).

The institution recognizes the importance of the library as a good learning resource. It is keep on updated regularly with the latest books & journals. The library to cater to the needs of faculty members and students with access to books and journals. The central library has availed the various collections which are 29815 hard copy books among with 8991 titles, 1917 back volumes of journals, 1018 project reports, 1721 compact disks, 72 national journals and 72 International journals. It enables remote accessing facility of DELNET e-journals and many e-learning platforms to student and faculty members through Icampuz ERP software. In addition to the institution has subscribed 860 and 10083 e-journals through DELNET and K-Hub respectively. The institution also subscribed **10685** in **709** categories and 4812 E-books through DELNET and K-HUB respectively. In summary, the Library has a collection of **29815 volume of text books in 8991 titles** and subscribed **10943 E-Journals, 15517 E-Books** and also 144 printed Journals & 12 Magazines.

Salient features of KOHA

- Customizable Web-based Interfaces
- Full MARC support (MARC21 and UNIMARC)
- Contains All Core Modules (OPAC, cataloguing, circulations, acquisitions, serials, reporting)
- Enhanced patron services eg. Online reservations and Borrower purchase suggestions support

Brief usage of KOHA Modules in Nehru Institute of Technology

CIRCULATION: This module is responsible for all circulation-related functions. The circulation module complies with all NISO Circulation requirements.

ADMINISTRATION: The following features are included in the administration module: user grouping based on policy, transactional rights over systems, transaction level security for users, various configuration settings such as labels, e-mail, and other parameters related to software use, and common master databases used in modules.

OPAC: KOHA-OPAC offers a variety of search options, including basic, advanced, and Boolean searches. The status of library materials can be viewed by users. Web-OPAC has been used to connect the OPAC with digital library access outside of the campus.

MEMBER LOGIN/LOGOUT: KOHA software offers a member log-in and log-out module to authenticate attendance in the library with a bar-coding option for students and staff. It's also possible to generate log reports by date, month, and year.

File Description	Document
Upload any additional information	View Document
Paste link for Additional Information	View Document

4.2.2 The institution has subscription for the following e-resources

- 1.e-journals
- 2.e-ShodhSindhu
- 3.Shodhganga Membership
- 4.e-books
- 5.Databases
- 6.Remote access to e-resources

Response: A. Any 4 or more of the above

File Description	Document
Upload any additional information	View Document
Details of subscriptions like e-journals, e-ShodhSindhu, Shodhganga Membership , Remote access to library resources, Web interface etc (Data Template)	View Document

4.2.3 Average annual expenditure for purchase of books/e-books and subscription to journals/e-journals during the last five years (INR in Lakhs)

Response: 5.64

4.2.3.1 Annual expenditure of purchase of books/e-books and subscription to journals/e-journals year wise during last five years (INR in Lakhs)

2020-21	2019-20	2018-19	2017-18	2016-17
1.58905	4.28809	2.01639	11.48322	8.80974

File Description	Document
Details of annual expenditure for purchase of books/e-books and journals/e-journals during the last five years (Data Template)	View Document
Audited statements of accounts	View Document
Any additional information	View Document

4.2.4 Percentage per day usage of library by teachers and students (foot falls and login data for online access) during the latest completed academic year**Response:** 6.61**4.2.4.1 Number of teachers and students using library per day over last one year****Response:** 39

File Description	Document
Details of library usage by teachers and students	View Document
Any additional information	View Document

4.3 IT Infrastructure**4.3.1 Institution frequently updates its IT facilities including Wi-Fi****Response:**

The institution has established a high-speed campus-wide network that connects all departments consisting of **415 systems**. NIT-computing Facilities have availed with 16 Printers, 3 Copiers with Scanners, 2 Color Printers with Scanners, Printers with Scanners (2) and Scanner (1) for document imaging and reprography.

All the departments are having necessary hardware and software facilities and all the class rooms, seminar halls are provided with Smart Panel or LCD projector with Interactive smart board to enhance teaching - learning process.

Digital Library is used to access information from web pages, e-journals, e-books at any time. University Question papers, Project Report are also available as hardcopy to the students for their reference.

Research and development lab is provided with adequate facilities for Ph.D research scholars, post graduate and undergraduate final year students for research and project purpose.

Staff daily attendance is maintained through biometric and all the floors, hostel are under surveillance with the help of CCTV camera for safe and security purpose.

List of facilities:

- **Name of the Internet provider :** BSNL, Railtel Network
- **Available Bandwidth:** 60Mbps, 20Mbps
- **Wi-Fi Availability:** Library, Seminar halls, Placement cell, Canteen, Hostels, etc.
- **Internet Accessibility:** Class rooms, library, department, and Laboratory & Administrative Block .
- **Research and Development Lab** to improve research activities.

'Language and Communication Lab' with audio-video gadgets and state of the art communication

teaching-learning tools.

File Description	Document
Upload any additional information	View Document
Paste link for additional information	View Document

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

Response: 1:1

File Description	Document
Upload any additional information	View Document
Student – computer ratio	View Document

4.3.3 Bandwidth of internet connection in the Institution

Response: A. 750 MBPS

File Description	Document
Upload any additional Information	View Document
Details of available bandwidth of internet connection in the Institution	View Document

4.4 Maintenance of Campus Infrastructure

4.4.1 Average 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: 54.86

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)

2020-21	2019-20	2018-19	2017-18	2016-17
131.21712	243.94873	270.96808	318.69415	295.55793

File Description	Document
Upload any additional information	View Document
Details about assigned budget and expenditure on physical facilities and academic support facilities (Data Templates)	View Document
Audited statements of accounts	View Document

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

Response:

Infrastructure Policy and Procedure

Objective

The institution offers a large teaching and learning facility for both curricular and co-curriculum programmes. To use computers, classrooms, equipment, and laboratories in the college campus, the Institute has a well-established system for electrical and mechanical maintenance. The sports complex and library follow the same methodical maintenance procedure.

Maintenance of Physical Facilities:

The administrative officer of the institution is in-charge of maintaining the physical facilities. In addition to administrative employees and site supervisors, the campus also has support staff such as plumbers, electricians, carpenters, and others. The institution has a power house that provides power to the entire campus. The administrative staff is exclusively responsible for the operation and maintenance of equipment such as the generator, general illumination, and power distribution system, among other things. The administrative officer is also in charge of the water distribution system and sewage issues. Complaints about the department's or institution's physical facilities can be submitted through email.

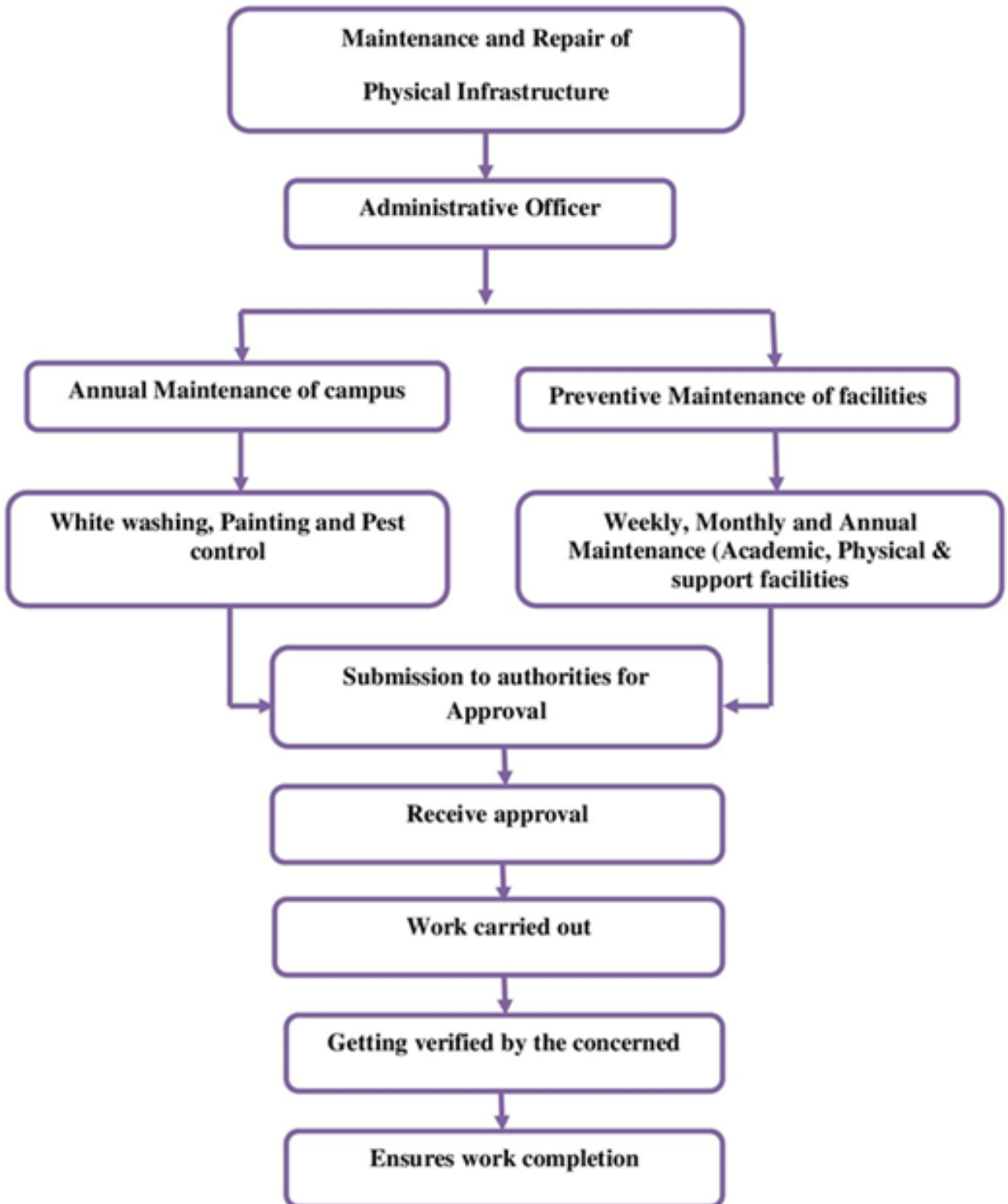
The housekeeping supervisor and site supervisors oversee the upkeep and cleanliness of the campus buildings, classrooms, laboratories, furnishings, campus grounds, sports facilities, cafeteria, and student amenity areas with the help of a team of volunteers. Housekeeping services are provided by on-site housekeepers and are available during the day.

Maintenance of Classrooms, Furniture and Laboratories:

The administrative department's personnel and attendants maintain classrooms with furniture, teaching aids, and laboratories, which are supervised by the administrative officer. The workshop superintendent and laboratory assistants are responsible for the upkeep and services of their individual laboratories' equipment. Heads of Departments are asked to seek all essential maintenance work from the administrative personnel through the proper channels. Minor repairs are recorded in a ledger kept in the office and are responded to on a first-come, first-served basis. The staff of each department keeps track of how well the laboratories are being used. All laboratories have a student entrance record that is updated on a regular

basis to ensure that the laboratories are being used effectively and that the experiments are being practiced.

Maintenance Procedure flow chart for Physical Facilities:



Maintenance and Utilization of Seminar Halls and Auditorium:

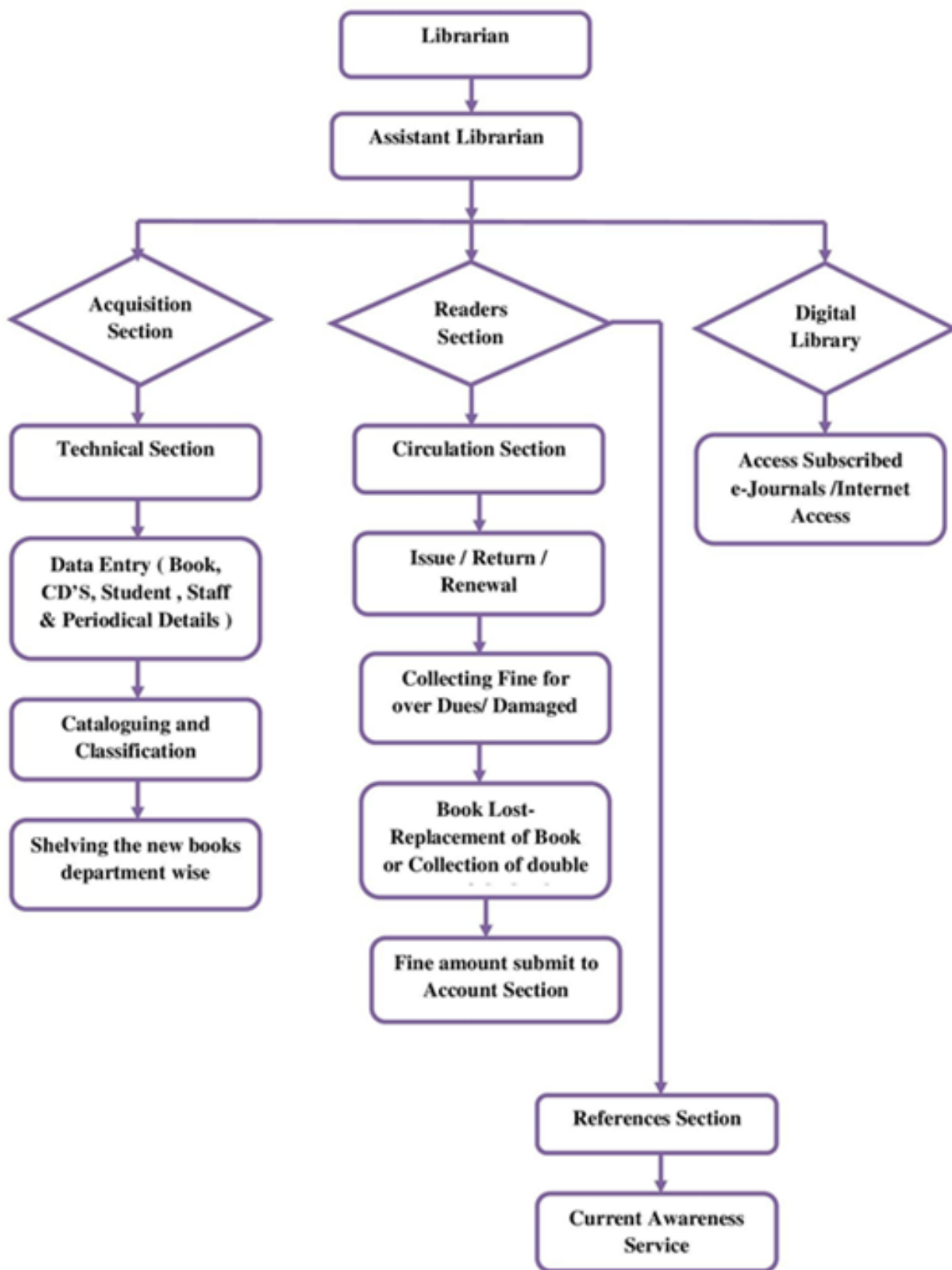
The maintenance of seminar halls and auditorium facilities is overseen by the maintenance team, who follow the administrative officer's instructions. The cleaning staff has been in charge of keeping them tidy. The efficient use of seminar halls and auditoriums for academic meetings, seminars, conferences, and cultural events has been prioritized through pre-booking. The organising faculty/staff member submits a form to the office of Principal through their HoD for allotment of a slot in order to have access to the facilities.

Maintenance and Utilization of Central Library:

The library's upkeep is a priority for its employees. A gate-register is used to keep track of how much time people spend in the library. Using the Koha software, the library staff will record the issue, return, and renewal of books. Based on recommendations from the library advisory group and curriculum changes, the library stock is periodically/spontaneously upgraded. New technical books are also added to the library on a regular basis, as per the recommendation of the department's head.

All staff/students are reminded of due dates and told to return or renew their books on a regular basis. If there is a discrepancy in the return of a book, a fine is imposed on the students and professors. Following the reading of newspapers, journals, or special reports, they are filed in the appropriate location. After reading newspapers, journals or special reports, they are kept in appropriate places. The login credential for accessing DELNET, e-journals and other e-sources are disseminated in notice board and its concerned sections.

Maintenance Procedure flowchart for Central Library:

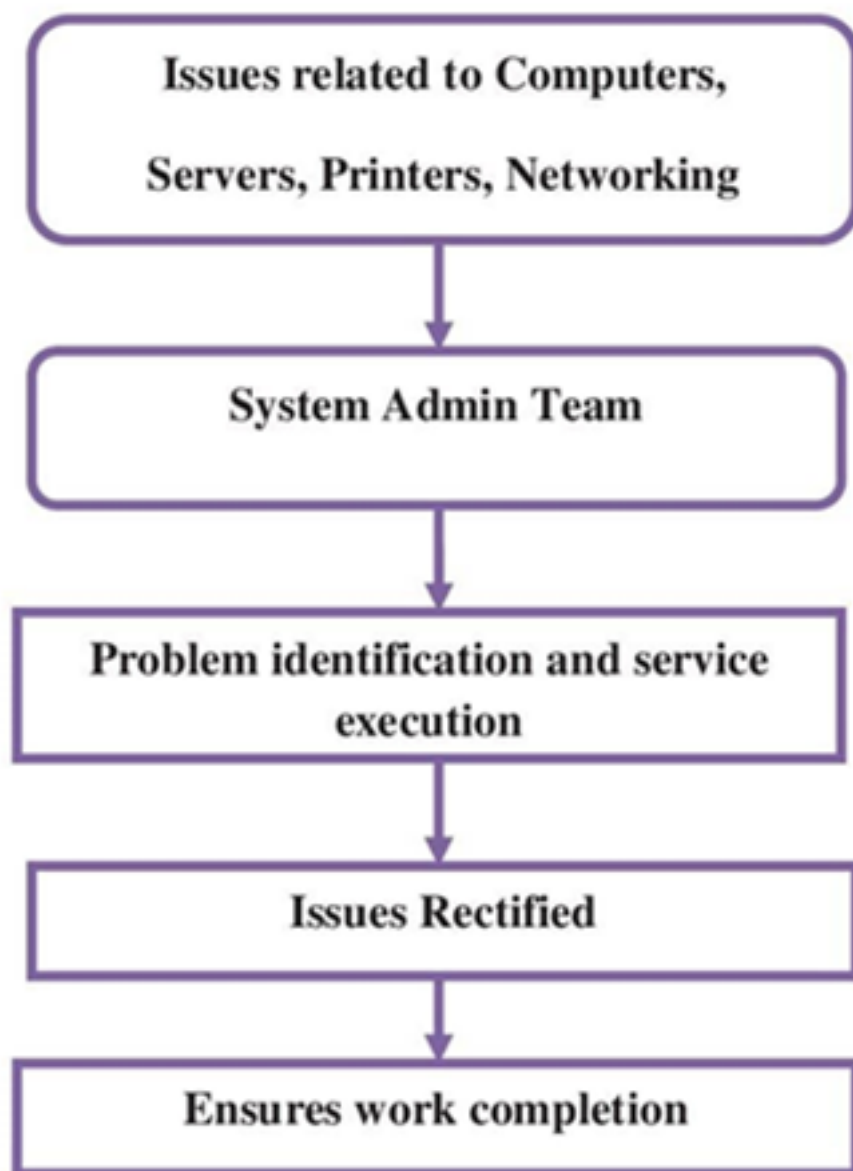


Maintenance of Facilities in computer centre:

The institution maintains a distinct division for system administration, which is responsible for the upkeep of computers, servers, and other ICT equipment. A coordinator (faculty) from the computer science and engineering department leads the team, which is backed up by support staff. Replacement or repair of

computers and accessories, hardware upgrades, software installations and upgrades, Wi-Fi maintenance, and troubleshooting issues are all included in the maintenance services. The supporting staff of all departments conducts periodic inspections, and the status of computers and associated equipment is transmitted to the system Administration centre once a month for appropriate action.

Maintenance Procedure flowchart for computer centre:



Maintenance of Sports and Games Facility

The sports facilities such as Gym, Cricket ground, Football court, Volleyball Court, Basketball court, and also indoor games such as Table Tennis, Carom board, Chess, etc. are supervised and maintained by the Physical Director and his supporting staff. Ground level maintenance is done half-yearly during vacation in addition to the seasonal maintenance done once in every two months. The facilities of Physical Education are maintained in-house and service personnel are called up if necessary.

Maintenance of Drinking water (RO water):

The maintenance of drinking water is undertaken by administrative staff and they are maintaining the following procedures as

- Replace all the filters annually or at the max 12 months.
- Replace the RO membranes annually.
- Sanitize the water storage tanks.
- Ensured to clean and sanitize the pipes in every 2 years.
- Replace and buy any new parts when necessary by maintenance team.

Maintenance of Fire extinguishers:

·The maintenance team ensured periodically that the extinguisher is not blocked by equipment with access in an emergency.

·At least once in a month, it inspects (more often in severe environments).

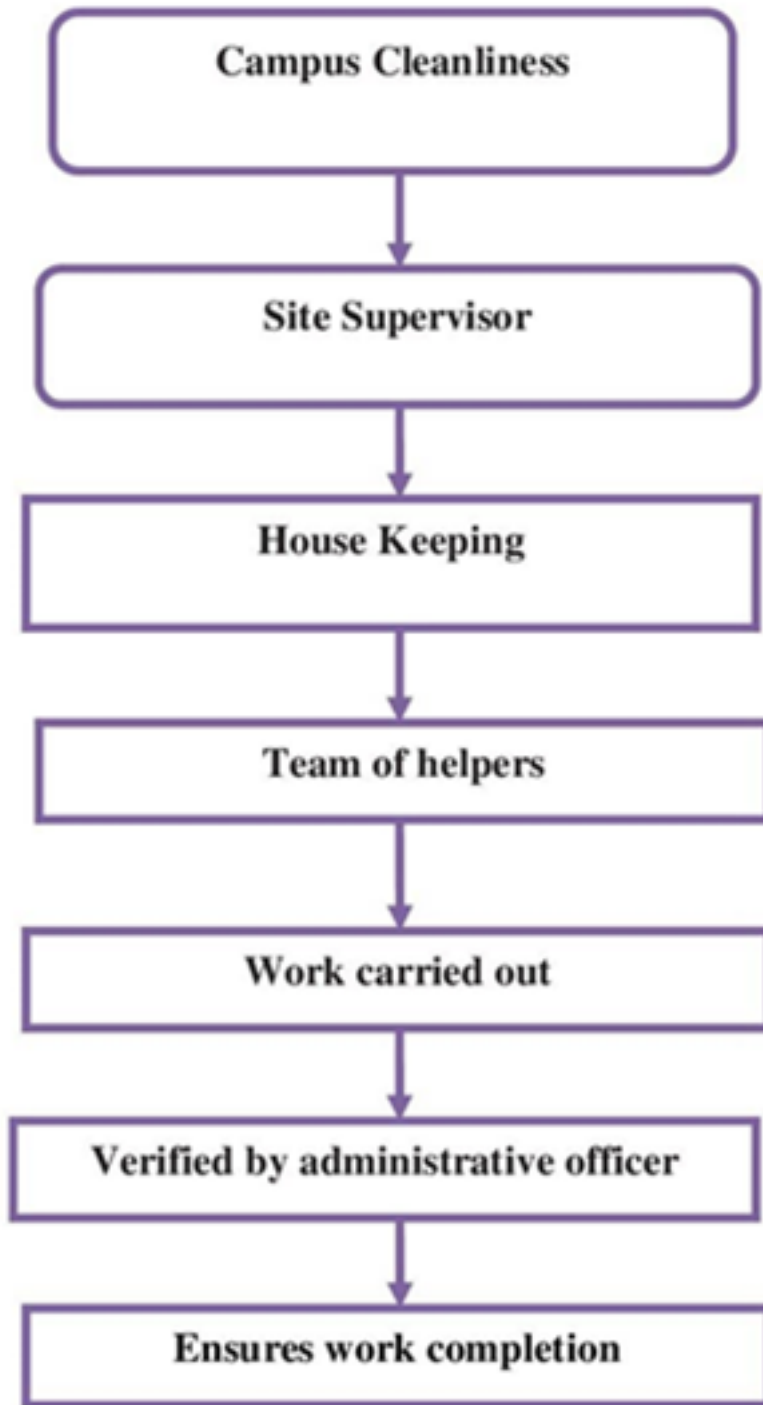
Maintenance of Transport (Bus) facility:

The bus is maintained under the supervision of the transport in-charge, who is directed by the administrative officer. At the start, the driver checks the fuel level, brake condition, tyre pressure, and illuminating lighting, and reports it to the transport in-charge.

Maintenance of Campus Cleanliness:

The outsourced cleaning service cleans the campus spaces, including academic and administrative buildings, every morning before regular classes begins. Every day, the cleaning service cleans the toilets and washbasins. The housekeeping supervisor is in-charge of maintaining the entire campus environment and will report task completion to the administrative officer.

Maintenance Procedure flowchart for Campus Cleanliness:



File Description	Document
Upload any additional information	View Document
Paste link for additional information	View Document

Criterion 5 - Student Support and Progression

5.1 Student Support

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

Response: 77.93

5.1.1.1 Number of students benefited by scholarships and free ships provided by the institution, Government and non-government bodies, industries, individuals, philanthropists during the last five years (other than students receiving scholarships under the government schemes for reserved categories)

2020-21	2019-20	2018-19	2017-18	2016-17
413	428	566	749	865

File Description	Document
upload self attested letter with the list of students sanctioned scholarship	View Document
Upload any additional information Average percentage of students benefited by scholarships and freeships provided by the Government during the last five years (Data Template)	View Document

5.1.2 Average percentage of students benefitted by scholarships, freeships etc. provided by the institution / non- government agencies during the last five years

Response: 27.09

5.1.2.1 Number of students benefited by scholarships and free ships provided by the institution, Government and non-government bodies, industries, individuals, philanthropists during the last five years (other than students receiving scholarships under the government schemes for reserved categories)

2020-21	2019-20	2018-19	2017-18	2016-17
283	159	182	156	101

File Description	Document
Upload any additional information	View Document
Number of students benefited by scholarships and freships institution / non- government agencies in last 5 years (Date Template)	View Document

5.1.3 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
Details of capability building and skills enhancement initiatives (Data Template)	View Document
Any additional information	View Document
Link to Institutional website	View Document

5.1.4 Average percentage of students benefitted by guidance for competitive examinations and career counselling offered by the Institution during the last five years

Response: 60.28

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

2020-21	2019-20	2018-19	2017-18	2016-17
262	356	503	566	661

File Description	Document
Number of students benefited by guidance for competitive examinations and career counselling during the last five years	View Document
Any additional information	View Document

5.1.5 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 any additional information	View Document
Minutes of the meetings of student redressal committee, prevention of sexual harassment committee and Anti Ragging committee	View Document
Details of student grievances including sexual harassment and ragging cases	View Document

5.2 Student Progression

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

Response: 73.94

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

2020-21	2019-20	2018-19	2017-18	2016-17
129	149	209	190	335

File Description	Document
Upload any additional information	View Document
Self attested list of students placed	View Document
Details of student placement during the last five years (Data Template)	View Document

5.2.2 Average percentage of students progressing to higher education during the last five years

Response: 14.69

5.2.2.1 Number of outgoing student progression to higher education during last five years

Response: 26

File Description	Document
Upload supporting data for student/alumni	View Document
Details of student progression to higher education (Data Template)	View Document
Any additional information	View Document

5.2.3 Average percentage of students qualifying in state/national/ international level examinations during the last five years (eg: IIT-JAM/CLAT/ NET/SLET/GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/State government examinations, etc.)

Response: 80

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

2020-21	2019-20	2018-19	2017-18	2016-17
7	1	1	1	1

5.2.3.2 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

2020-21	2019-20	2018-19	2017-18	2016-17
7	1	1	2	2

File Description	Document
Upload supporting data for the same	View Document
Number of students qualifying in state/ national/ international level examinations during the last five years (Data Template)	View Document
Any additional information	View Document

5.3 Student Participation and Activities

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

Response: 65

5.3.1.1 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) year-wise during the last five years.

2020-21	2019-20	2018-19	2017-18	2016-17
00	08	12	32	13

File Description	Document
Number of awards/medals for outstanding performance in sports/cultural activities at university/state/ national/international level during the last five year	View Document
e-copies of award letters and certificates	View Document

5.3.2 Institution facilitates students' representation and engagement in various administrative, co-curricular and extracurricular activities following duly established processes and norms (student council, students representation on various bodies)

Response:

The relevance of the student council and student representation on academic and administrative bodies/committees is always emphasized by the institution. The society needs highly skilled engineers as well as the administrative skills of young people. Institution operates with the following Clubs and Cells, each with their unique responsibilities, to meet the demands.

There is a department student society in each department, as well as student chapters of different professional groups and social clubs. The office bearers are chosen by the Head of Department, faculty members, and students of the individual departments in collaboration with the Principal.

Various academic and administrative bodies at the university have student representatives. They benefit from this representation in their overall growth. The following Societies/Associations provide additional opportunities for students to enhance technical skills, update their knowledge, develop their personalities, and serve society. Staff advisers are on hand to assist students in conducting these activities in a seamless and effective manner. The various committees were framed and the students are members in NSS, YRC, Edison Club, Science Club, Srinivasa Ramanujam Mathematics Club, Library Advisory Committee,

Entrepreneurial Development Cell, Industry Interaction Cell, Newspaper Connect Club, Phronesis (Fine Arts) Club, Internal Quality Assurance Cell, Green campus Committee, Class Committee, Sports committee and Counselling Club.

1.Anti Ragging Committee

This committee will investigate any ragging incidents that arise on and off campus. The management representative, Principal, HoDs, AO, and student representatives, as well as parent representatives from all branches of engineering, make up this group.

2.Class Committee

The Class Committee Meeting is only dedicated to improve the academic performance of the class and resolving student concerns about the classes. Class coordinators, tutors, faculty members, and the Head of Department come together to hear from students in the concerned class. This is where they chose to provide additional coaching to classes in order to improve their performance, and they occasionally even support a class excellence.

So far, the meeting has gone well; many expectations have been expressed, and actions have been taken in accordance with those expectations. This is crucial since a class can only be improved if the bad issues are entirely eliminated.

3.Library Advisory Committee

The student members of the library committee play an important role those who recommend books and journals that they believe are essential and beneficial for their personal and professional progress, both in the reference area and in the issue section. This committee is also responsible for overseeing literary activities.

4.. Sports committee

The Institution Sports Committee is made up of the Physical Director as the chairperson, as well as supported employees from other departments and students from all sections. Apart from the Annual Sports Meet, student players take the lead in organising periodic and infrequent sports and games competitions.



File Description	Document
Upload any additional information	View Document
Paste link for additional information	View Document

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

Response: 25.6

5.3.3.1 Number of sports and cultural events/competitions in which students of the Institution participated year-wise during last five years

2020-21	2019-20	2018-19	2017-18	2016-17
02	30	43	34	19

File Description	Document
Upload any additional information	View Document
Report of the event	View Document
Number of sports and cultural events/competitions in which students of the Institution participated during last five years (organised by the institution/other institutions (Data Template)	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:

The institution has an alumni association named Nehru Institute of Technology Alumni Association, which stands to build the bridge between the old students and the institution. Efforts are being made to register the association, which was done in January 2022 with the register number SL No. SRG/ Coimbatore/ 25/22 dated January 25, 2022. The alumni meet gives an excellent chance for the institution to solicit feedback from alumni in order to better prepare students for the profession.

The Alumni Association's goals are as follows:

1. Maintain a list of all institution alumni and their important information.
2. Keeping all alumni's information up to date.
3. To support and invite all institution gatherings that foster close relationships among alumni.
4. To hold a Leader's Talk by enlisting the help of alumni with relevant experience as a resource person.
5. To provide venues for alumni members to showcase their products and knowledge, as well as the ability to promote their businesses through the TBI incubation cell.
6. To upgrade infrastructure and other amenities through alumni contributions.
7. Using Alumni students, arrange On Campus Placement for the current final year students of each academic year.
8. Coordinate industrial initiatives, training, and field visits.

The institution's alumni organization hosts an annual alumni meeting. During the last five years, the association has held meetings. Throughout the year, alumni pass on what they've learned from society to their juniors. In the form of talks, alumni also provide insight on the most recent tools/technologies to the

current batch of students. This is a fantastic opportunity for students and professors to meet alumni. Alumni feedback is taken into account when filling in the gaps in topic knowledge and understanding. On the basis of alumni ideas, several programs on interview skills, personality development, study abroad, and career counselling are organized.

Infrastructure facilities are renovated or expanded on a regular basis to satisfy the needs and goals of students, based on ideas made by alumni at alumni meetings. Students are kept up to date on various job prospects and corporate requirements by alumni of the institution. Our institution's purpose is to establish and maintain a life-long relationship between the institute and alumni in order to support current batch students.

Mentorship:

Alumni can participate in volunteer initiatives such as mentoring students in their fields of interest. To use the vast experiences of former institution students to assist our present students in finding suitable professions.

Placements:

The institution's alumni network is one of the most important sources of placement chances for students. Alumni can assist students in finding jobs at their own companies. Alumni in their organisations provide job opportunities.

File Description	Document
Upload any additional information	View Document
Paste link for additional information	View Document

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

Response: D. 1 Lakhs - 3 Lakhs

File Description	Document
Upload any additional information	View Document
Link for any additional information	View Document

Criterion 6 - Governance, Leadership and Management

6.1 Institutional Vision and Leadership

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

Response:

The Institute's vision and mission, as indicated below, reflect the Institute's emphasis and underlying ideology:

Vision

To be leading Institution in Academic excellence, Multidisciplinary Research, Innovation, Entrepreneurship and Industry relations in order to mould true citizens of the country.

The stated vision of the Institution will be achieved by:

Mission

- To create innovative and vibrant young leaders in the field of Engineering and Technology to grow India as knowledge power by strengthening the teaching-learning process.
- *To enhance employability, entrepreneurship and to improve the research competence to address Societal needs.*
- *To generate engineering graduates who use knowledge as a powerful tool to drive societal transformation and inculcate ethical and moral values.*

Application of Vision and Mission

The Institute's vision and mission statements represent the Institution's specific qualities and reflect successful leadership produced through its Governance setup. It leads to a holistic and forward-thinking evolution in the field of education. Entrepreneurs with technical knowledge and human sensitivity are cultivated in order to benefit society. The Chairman and Managing Trustee as well as the CEO and Secretary, are the top authorities in making administrative decisions.

Nature of Governance

Top management executes its responsibilities by entrusting the Principal with the responsibilities of implementing policies, nurturing stakeholder relationships, recruiting faculty to appropriate posts, improving infrastructure, providing welfare schemes, and introducing new courses, etc.,

The Principal, in cooperation with Management, is responsible for ensuring that the suitable environment is established for students' and faculty's intellectual pursuits, communication with regulatory agencies, research facilitation, synergy with stakeholders, team spirit, and academic goals. Departments, Committees, Centers, Cells and clubs carry out the functions that have been assigned to them.

The HoDs, in collaboration with faculty members, are in charge of the Department's overall operation.

Faculty members are responsible for ensuring successful curricular transactions and students' overall development

The following councils were formed with various stakeholders as members to continually improve the quality and standard of education in the Institution.

1. Governing Council
2. Academic Council

Governing Council

Composition of Governing Council: The Chairman of the Nehru Group of Institution is the Chairman of the Governing Council. The Council consists of 3 members from the Nehru College of Educational and Charitable Trust, two Experts from Industries, one Academician from outside of the Institution, Nominee from Anna University, and Faculty of the Institution at Professor Level, Head of the Institution plays Member Secretary role and special invitees as per AICTE norms.

Nehru Institute of Technology's Governing Council meets regularly to examine progress and future development opportunities, which are necessary for maintaining excellent educational standards. The Governing Council meets once in a year and advises the Institution on a variety of issues. The Governing Council evaluates the input provided by the Head of the Institution and offers an improvement plan for Institutional development.

Academic Council

The Academic Council will be responsible for the college's academic issues, including academic staff, students, and co-curricular activities. The Academic Council is in charge of defining and implementing the Institution's best practices.

File Description	Document
Upload any additional information	View Document
Paste link for additional information	View Document

6.1.2 The effective leadership is visible in various institutional practices such as decentralization and participative management

Response:

As part of its decentralized governance policy, the institute follows a well-decentralized pattern of working and participatory management. The Management delegate's powers and responsibilities to the Principal and the Principal provides the leadership and direction to all departments and long-term decisions regarding the implementation of activities are taken at HOD meetings in the presence of the Principal. A Head of Department is autonomous in budgeting, planning, and executing activities at the departmental level. The faculty has the freedom for democratic participation in expressing requirement for additional

laboratory equipments, library books and enhanced infrastructural facilities with the appropriate approval from Management. Faculty members are given opportunities with entrusted responsibilities for Effective functioning of the academic system.

The NIT has various committees, which are functioning under the supervision of Principal and coordinated by experienced faculty members. Each committee conducts different meetings to solve different issues and to come out with initiatives to enhance the working of the committee towards development of the college. As a part of decentralized decision-making different suggestions given by the students and faculty members are considered and actions are taken to implement.

Decentralized decisions

The decentralized mechanism exists even at the department levels. Decisions at department levels are taken by well-structured committees like Department Academic advisory committee, Class Committee. The involvement of Management and all the stakeholders including Head of the Departments, Faculty, Students, Alumni, Industry Experts, Educationalist in various functional committees of the Institution. This shows that the Institution has decentralization of administration through committees and has participative Management. A democratic approach is setup in the decision-making process, by which all the stakeholders of the Institution could participate in the managerial decisions.

Delegation of Financial powers

Financial Powers Delegated to the Principal by the Management and Principal delegate the financial power to Heads of the Departments to take quick decisions. Principal collects and collates the budgets prepared by the individual department, aggregating the individual department's budget.

Budgets are controlled by providing approval to the major expenditures incurred by the individual department by the Principal. While the Principal has the authority to manage the budget, the individual Heads of the Department have the power to manage the budget.

Details of delegation of financial power given in the table below:

S.No	Name of the member	Financial Power (Petty Cash)	Expenses
1	Principal	Full Financial Power (College Petty Cash) upto Rs. 20000 (Twenty Thousand) per semester	All types of expenditures related to purchase of consumables and non-consumables, Training, Travel and maintenance.
2	HOD	Full Financial Power (Department Petty Cash) upto Rs. 5000 (Five Thousand) per semester	Purchase of Consumables, Guest lecture remuneration, Travelling allowance Stationery items and other items mentioned in the approved budget

File Description	Document
Upload any additional information	View Document
Paste link for additional information	View Document

6.2 Strategy Development and Deployment

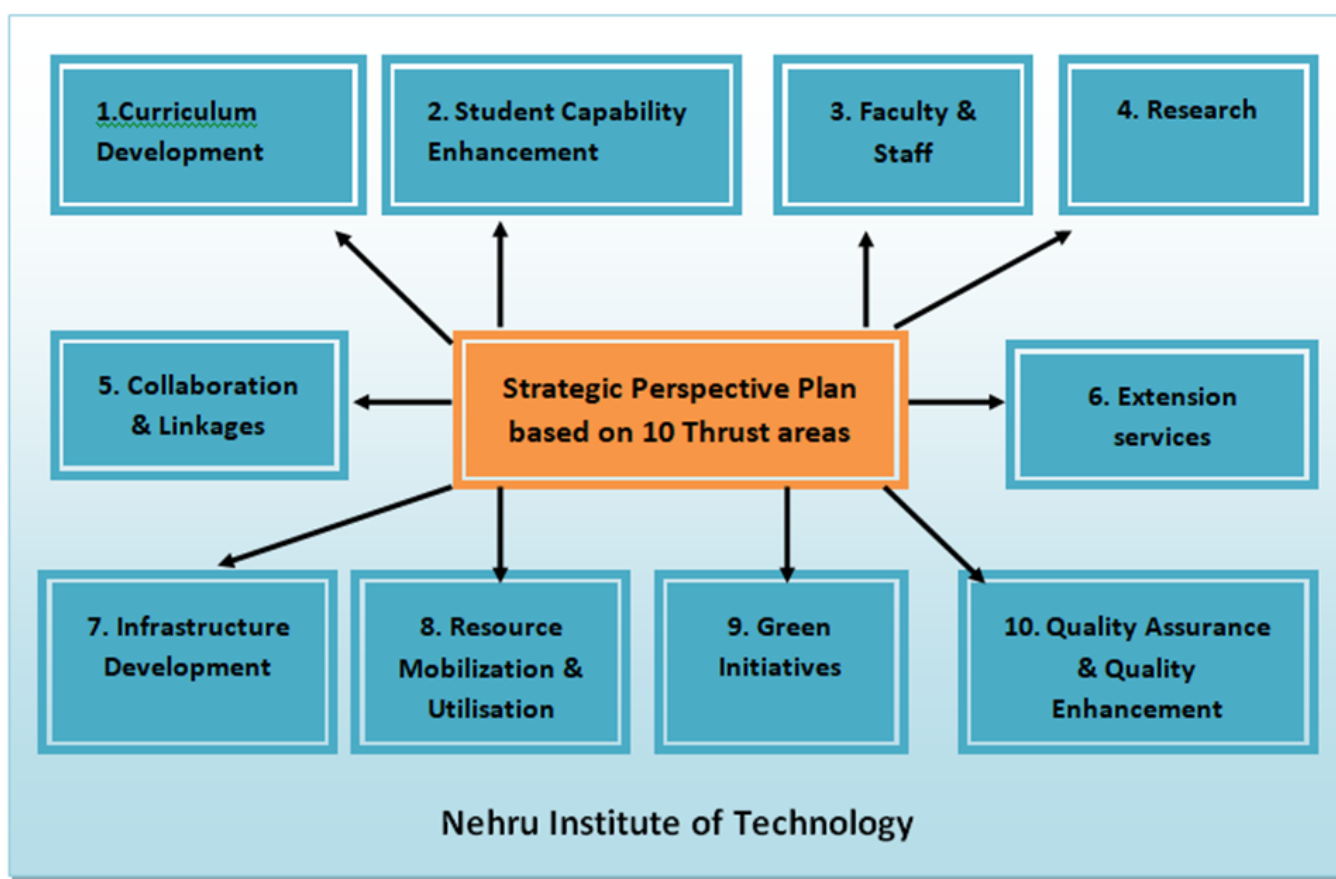
6.2.1 The institutional Strategic / Perspective plan is effectively deployed

Response:

The Institution has a well-defined strategic plan that directs all of its activities. The strategic plan was designed in order to accomplish the stakeholders' Vision and Mission. The Principal of the Institution approves and implements these plans.

Nehru Institute of Technology is focused on Innovation and Incubation. The NIT Campus promotes innovation among students, faculty and citizens of the region and promotes entrepreneurial talents. It promotes interdisciplinary research and provides start-ups and emerging entrepreneurs with incubation facilities. Due to continuous effort, we started Incubation Center in the campus.

Incubation Center encourages and backups innovative startups with suitable physical infrastructure in terms of capital equipment and operating facilities, key domain knowledge support, coupled with the availability of sectoral experts for mentoring, business planning support, market information, Management, business strategy, industry partners, training and as well as critical networking.



The Institution has plans for the development of Strategic/perspective plan for the period from 2015 – 2020

- Relentlessly pursue Institutional effectiveness through quality assurance systems.
- To establish various centre in academic affairs, students affairs, research, industry relations, quality assurance and administration.
- To increase Industry interaction through MOU to enhance the students knowledge and Consultancy services
- Introduction of New UG Programmes in emerging field like B.E Agricultural Engineering and B.Tech Food Technology
- To get NAAC accreditation
- To Secure section 2(F) of UGC Act, 1956
- In teaching learning process NIT have a plan to increase the use of ICT tools and creating more ICT Based resources.
- To encourage faculty members to publish more in peer reviewed International / National Journals with good impact factor.
- To improve the Employability skills of the students.
- To conduct more International / National Conferences/ Seminars/Workshops/ Symposiums/ FDP
- To create an online database of subjects thought in class-rooms.
- To implement green campus environment.

The Institution has plans for the development of Strategic/perspective plan for the period from 2021 – 2025

- To get NBA Accreditation.

- To become an Autonomous Institution.
- To get Research Centre recognition from Anna University.
- To assist budding entrepreneurs and innovators through Incubation Centers.
- Introduction of New UG Programmes in emerging field like Data sciences, Machine Learning, Artificial Intelligence.
- To secure section 12 (B) Status and CIRO Certificate for the Institute.
- To get permanent affiliation for the eligible courses.
- To get more MOU with Foreign Companies/Universities.
- To achieve a significant position in the ATAL and NIRF Rankings.
- To increase admissions from foreign countries.
- To get more research grants from Government & Non-Government funding agencies such as AICTE, UGC, DST, ICSSR, etc.
- To increase Industry interaction and Consultancy services.
- To get more awards and recognitions from reputed organizations
- According to the New Education Policy (NEP) 2020, NIT plans to add multidisciplinary courses in a holistic education approach.

File Description	Document
Upload any additional information	View Document
strategic Plan and deployment documents on the website	View Document
Paste link for additional information	View Document

6.2.2 The functioning of the institutional bodies is effective and efficient as visible from policies, administrative setup, appointment, service rules and procedures, etc.

Response:

The Institution has a well-structured administrative setup, the Chairman and Managing Trustee of the Institution is the highest authority and CEO & Secretary plays equally an important role as that of the Chairman. The decision taken and the developmental projects suggested by the chairman will be escalated and executed by the Principal of the Institution mutually coordinating and integrates the roles and responsibilities by Head of the Department and faculty members.

- HoDs are responsible for executing the Academic Plan of the department.
- Faculty takes up positions viz. Course Instructor, Mentor, Class Advisor, Club Coordinators and members in various Committees/Centers. They are responsible for effective curricular transaction and address the grievances of students.
- Administrative Officer takes decisions in Office Management, Campus Management, Hostel Administration of the Institution.
- Librarian is responsible for acquisition and provision of library resources and ensures to meet the needs of all the users.
- The Physical director is responsible for motivating and instructing the students to participate in Sports activities and competitions at the State and National levels. Organize inter-collegiate and

intra-collegiate sports activities in the Institution.

- Placement Director manage and support student career services, including career counselling, grooming and helping in the preparation of students for facing interviews and getting placements in top companies.
- Center Heads in academic affairs, students affairs, research, industry relations, quality assurance and administration. strengthen the research activities, teaching learning facilities, employability skills and career assurance for the students.

It is the responsibility of all employees to:

- Foster and maintain cohesion, cooperation, fairness and transparent communication among each other.
- Respect and follow the instructions of the immediate supervisors.
- Treat each other a manner, with dignity and respect.
- Evolve and promote peace, harmony and teamwork in all relationships.



File Description	Document
Upload any additional information	View Document
Paste link for additional information	View Document
Link to Organogram of the Institution webpage	View Document

6.2.3 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
Screen shots of user interfaces	View Document
ERP (Enterprise Resource Planning) Document	View Document
Details of implementation of e-governance in areas of operation, Administration etc	View Document
Any additional information	View Document

6.3 Faculty Empowerment Strategies

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

Response:

Our Magnanimous Management with a big heart provides the following welfare Schemes. All these measures are to improve the lifestyle of the staff members and to boost their morale. Following welfare schemes are available for teaching and non-teaching staff

Leave Policy

Nehru Institute of Technology have been given various types of leaves such as Vacation leave, Casual Leave, Compensatory Leave, Medical Leave and Maternity Leave.

Education Scheme

- a. Nehru Institute of Technology employees' son/ daughter are eligible to get concession in Nehru International School and complete their education.
- b. Nehru Institute of Technology employees' son/ daughter are eligible to get concession in any of the Institution from NGI Group and complete their UG/PG course.

Nehru Institute of Technology In-house Awards

Knowledge is power; we do believe updating of knowledge is the need of the hour. NIT is always believing in recognizing the outstanding performance of the staff by providing various categories of awards such as Best Faculty, Best Researcher, Best Dynamic Administrator etc,. Every year, the institute provide the financial assistance for attending Conference, Seminars, Workshop, Symposium, FDP and Patent/Article/Book Publication.

NOBLE Outbound Training

Nehru Group of Institutions launched Nehru Out Bound for Leadership Excellence (NOBLE) NOBLE a South India's largest for students, Teaching and Non teaching community. Every year NIT Teaching and Non Teaching Fraternity attend the outbound training programme in NOBLE to rejuvenate themselves.

List of Welfare measures for faculty Community

- Medical Leave
- Casual Leave
- Compensatory Leave
- Permission
- Internal On-Duty
- On Duty for faculty outreach
- Annual/Vacation Leave
- Sponsorship for attending Seminars/Conference/ Workshop/FDP
- Incentive to the faculty for Article/Book/Patent Publications
- NIT In-House Awards
- Provident Fund
- Employee State Insurance
- Fee Concession for children of Staff in Nehru Group of Institutions
- Staff Quarters & Hostel facilities
- Yoga Centre
- Gym Facility
- Medical Camp
- PK Das Hospital Discount Card
- Transport Facility
- Staff get together Programme
- Separate Cabin with Wifi Facility
- NOBLE Outbound Training programme
- Faculty Connect Club
- Faculty Recreation Programme
- Free COVID Vaccination
- Farwell Function for Relieving Staff
- Canteen Facility
- Exclusive Space for Car & Two-Wheeler parking
- Indoor & Outdoor Sports Activities
- Health Center
- Employee Death Benefit

List of Welfare measures for Non teaching staff

- Medical Leave
- Casual Leave
- Compensatory Leave (CCL)
- Permission
- Internal On-Duty
- Annual/Vacation Leave
- NIT In-House Awards
- Provident Fund
- Employee State Insurance
- Fee Concession for children of Staff in Nehru Group of Institutions
- Hostel facilities
- Yoga Centre

- Gym Facility
- Medical Camp
- TA/DA for Drivers
- PK Das Hospital Discount Card
- Transport Facility
- Staff get together Programme
- NOBLE Outbound Training programme
- Free COVID Vaccination
- Farwell Function for Relieving Staff
- Canteen facility
- Exclusive Space for Car & Two-Wheeler parking
- Indoor & Outdoor Sports Activities
- Health Center
- Employee Death Benefit

File Description	Document
Upload any additional information	View Document
Paste link for additional information	View Document

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

Response: 41.35

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

2020-21	2019-20	2018-19	2017-18	2016-17
4	41	51	98	80

File Description	Document
Upload any additional information	View Document
Details of teachers provided with financial support to attend conference, workshops etc during the last five years	View Document

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

Response: 11.6

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

2020-21	2019-20	2018-19	2017-18	2016-17
11	13	08	11	15

File Description	Document
Upload any additional information	View Document
Reports of the Human Resource Development Centres (UGC ASC or other relevant centres)	View Document
Reports of Academic Staff College or similar centers	View Document
Details of professional development / administrative training Programmes organized by the University for teaching and non teaching staff	View Document

6.3.4 Average percentage of teachers undergoing online/ face-to-face Faculty Development Programmes (FDP)during the last five years (Professional Development Programmes, Orientation / Induction Programmes, Refresher Course, Short Term Course).

Response: 59.71

6.3.4.1 Total number of teachers attending professional development Programmes viz., Orientation / Induction Programme, Refresher Course, Short Term Course year-wise during the last five years

2020-21	2019-20	2018-19	2017-18	2016-17
48	65	65	90	88

File Description	Document
Upload any additional information	View Document
Reports of the Human Resource Development Centres (UGC ASC or other relevant centers)	View Document
IQAC report summary	View Document
Details of teachers attending professional development programmes during the last five years	View Document

6.3.5 Institutions Performance Appraisal System for teaching and non-teaching staff

Response:

The performance of each Teaching and Non-Teaching staff is assessed annually after completion of one year of service. The objective is not only to objectively evaluate the performance as per established norms, but also to identify potential aspects for improvement that can eventually lead to further progress and growth of the staff. This process enhances not only the image repute of the institution but also the performance of students.

The salient features of the performance appraisal system are as follows:

Teaching Staff

1. The performance of each faculty member is assessed according to the Annual Self Assessment for the Performance Based Appraisal System (PBAS).
2. The institute undertakes a wide range of activities besides academics, for which faculty members are assigned additional duties and responsibilities, which are mostly voluntary. The Institute accords appropriate weightage for these contributions in their overall assessment.
3. The Teaching staff are required to do self Appraisal based on three categories (I) Academic Performance Indicators (II) Research and Development Contribution (III) Other Contributions such as programme organized, membership in Professional Bodies, Major Contribution for the development of the Institution etc.,
4. The PBAS proforma filled by the Faculty Member is checked and verified by the Heads of the Departments, followed by the Principal.

Non-Teaching Staff

The Non -Teaching staff are evaluated by the head on the categories such as Punctuality, Sincerity, Working efficiency, Conduct, Character, Ethics, Special Skills and Talents, contribution for the development of institution etc., The Head of the Department , Principal, and HR Head will discuss results of the appraisal with each employee.

PROMOTIONAL POLICES

- a) Teaching Staff: Promotion to higher positions are considered strictly as per the All India Council for Technical Education (AICTE), UGC and Universities etc., norms and the norms as laid down by the respective universities of various colleges. Besides qualification and experience, quality of service and discrete contribution are also given weight age.
- b) Non -Teaching: Based on the year wise performance, experience and recommendations of Principal
- c) Promotional to higher positions are considered based on the efficiency and quality of work as well as the total services rendered to the institute.
- d) The Self Appraisal reports and personal files of staff and the recommendations of the Principals or Unit Heads are taken into consideration. The promotion depends on the vacancies either created or fallen vacant and the need for additional staff based on the demands of work load.

e) For Senior Positions, each employee will be responsible for developing their respective work plan for the year. This plan will be reviewed by Management and amended as necessary. At the time of the performance appraisal, the employer and employee will review the objectives and the results achieved. Throughout the year, the employee and employer may refer to this document to track progress made towards objectives, highlight areas of concern and indicate challenges identified along the way.

File Description	Document
Upload any additional information	View Document
Paste link for additional information	View Document

6.4 Financial Management and Resource Mobilization

6.4.1 Institution conducts internal and external financial audits regularly

Response:

Nehru Institute of Technology is run by Nehru Education and Charitable Trust. In every financial year the college will conduct an Internal Audit through departmental staff as well as External Audit by the statutory auditors. A clear and effective Internal Audit mechanism is present to make sure the fund is handled in a responsible and accountable manner. Initially a clear and precise budget is made by the Head of Department, which is approved by the Head of the Institution and further sent to the Management for approval. Budget meetings are regularly done to make sure the resources are allocated for the right purpose of developing the Institution and building up the assets of the Institution and based on the prepared budget the fund raised is allocated. The monitoring of budget and expenditure is done on a regular basis, and in order to have transparent and reliable books of accounts and maintain records of all transactions, management has created an audit system of internal and external auditing that ensures that the expenses are under control and do not exceed the budgets. These audits make sure that the fund is allocated to the right requirements and used for the right activity.

Internal Audit:

Finance Manager is responsible for Internal Audit and Internal Control. The scope of Internal Audit comprising of Vouching, Monitoring the day-to-day operation. Confirmation balance of Assets and Liabilities, Statutory Payment like PF, TDS, other local taxes and Prompt payment of Bank repayable. Review with Institutional accounts team for the observation of the audit quires and ensure the audit quires are properly carried out.

External Audit:

The statutory auditor shall visit the college office once in a year for audit and submit the final audit report. The auditor will check each expense against the bills provided and make sure that they are original. After completion of the auditing, the final statutory audit report shall be submitted to the Governing body for every year. After approval, the financial accounts, documents could be used for all statutory purposes.

File Description	Document
Upload any additional information	View Document
Paste link for additional information	View Document

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

Response: 0

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

2020-21	2019-20	2018-19	2017-18	2016-17
0	0	0	0	0

File Description	Document
Details of Funds / Grants received from of the non-government bodies, individuals, Philanthropers during the last five years	View Document

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

Response:

The institute has a well-defined financial setup which ensures effective and flawless utilization of finance for academic, administrative and developmental activities which help to implement the Institute's Vision and Mission.

Management and the Governing Council are the master keys for making financial decisions and associated matters, and they regularly monitor and promote the proper use of allotted funds as needed.

The primary source of fund is received from the Nehru Education and Charitable Trust and also the fund generated by the Institution through fees collected from the students. This fee amount is primarily used for the development of students, organizing seminars, field trips, organizing workshops, faculty remuneration and completion of the courses. Fund is also generated in the form of fee collected from FDPs, workshops, Seminar, Conference, Inter Collegiate Meet, etc., organized by the Institution. Fund is also accrued in the form of internal revenue such as interests from bank deposits. A clear and well-defined system is also in place to monitor the effective and efficient usage of this fund.

Optimal utilization of funds is ensured through the following:

1. Adequate funds are allocated for effective teaching-learning practices that include conduct of FDPs,

orientation programs, workshops, inter-disciplinary activities, training programs that ensure quality education.

2. Adequate remuneration based on the performance–quotient of the teaching professionals is provided.

3. The budget will be utilized to meet day-to-day operational and administrative expenses and maintenance of the fixed assets.

4. The grants received from the external funding agencies are effectively utilized in implementation of projects by procuring the suitable equipment. This equipment is further utilized in the laboratories of the institute. Availability of such equipment has further improved the research interest of the faculty and students.

5. Enhancement of library facilities leads to novel learning practices and accordingly requisite funds are utilized for every year.

6. Adequate funds are utilized for development and maintenance of very good infrastructure for the institute.

File Description	Document
Upload any additional information	View Document
Paste 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

Response:

Best Practice I:

Implementation of Outcome Based Education (OBE), periodic review of learning outcomes/ course outcomes and their attainments

- The Institution is practicing outcome based education system. To achieve the vision through mission, mission through program educational objectives (PEO), PEO through the program outcome (PO) & (PSO) and PO & PSO through Course outcome have been formulated and the same approved by the Academic Advisory Committee.
- The institution has published its CO, PO, PSO and PEO through the following media to reach to its stakeholders:
 - Institute's website

(URL: www.nehruinstitute.com)

- Course Plan
- Department Notice Boards
- Class Rooms
- The Vision, Mission, PEOs, Pos and PSOs are disseminated to the fresh students and their parents every year during the Induction Programme by the HOD. Since these (PEOs, Pos, PSOs) were defined recently, the same was disseminated to all the existing higher semester students at the beginning of the academic year.
- Individual department has framed Programme Educational Objectives (PEOs) programme outcomes (POs) and Program Specific Outcomes (PSOs).
- For each course, course objectives and course outcomes are prepared by the faculty members are explained to the students at the beginning of the semester along with syllabus.
- At the end of each Internal Assessment Exam (IAE), micro-analysis is made in the class and also in the class committee meeting to meet out the learning outcomes.

Best Practices II:

Student Feedback on Teaching and Learning Process (TLP)

- IQAC has framed a structured feedback mechanism for analyzing the effectiveness of the teaching learning process
- A standard feedback questionnaire about faculty handling each subject is collected from all the students at the end of each semester.
- Collected feedback is scrutinized by the senior tutors according to 3 categories such as teaching effectiveness (**TE**), Maturity level (**ML**) and Integrity (**I**) of the faculty member. Each question in the questionnaire is belonging to one of the 3 categories.
- The feedback system collects the following information about the faculty from the students through the questionnaire:

Teaching Effectiveness (TE):

- Classroom Delivery, whether by reading or interactive communication (use of analogies, examples, observation from surroundings, etc.,)
- Use of Training aids like models, charts, video, animated computer graphics, presentations, effective board work, etc.,
- Involvement in internal assessment (whether casual or routine or involved marking, with corrective remarks)
- Level of Preparedness (whether adequately prepared for class)

Maturity Level (ML)

- Ease of Maintenance of order (without threats or punishments)
- Temperament (Calmness, patience, irritability etc.,)
- Intellectual Stature (commands respect of students by intellectual and maturity level)

Integrity (I):

- Integrity (honesty, impartial, fairness)
- The teaching faculty will be evaluated with respect to their academic ability, attitude towards the

students and disciplining the students.

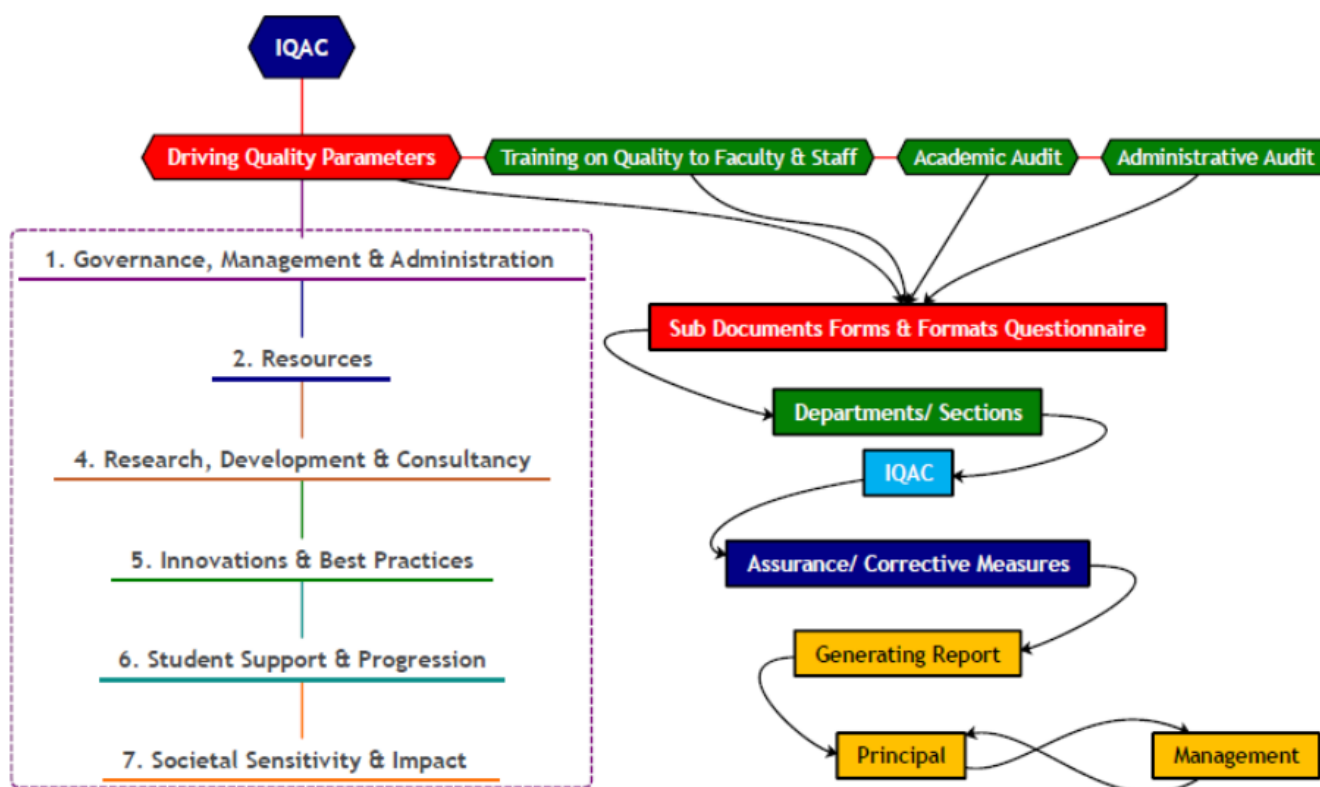
- This feedback system helps the teaching faculty to improve their weaknesses and grow more in their strengths with respect to teaching skills.
- The Head of the Department discusses about the feedback with the individual faculty.
- The faculties handling some new subject for the first time, getting low pass percentage, were counseled.
- Thus the feedback questionnaire performs a comprehensive analysis of the Teaching faculty.

File Description	Document
Upload any additional information	View Document
Paste link for additional information	View Document

6.5.2 The institution reviews its teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals through IQAC set up as per norms and recorded the incremental improvement in various activities (For first cycle - Incremental improvements made for the preceding five years with regard to quality For second and subsequent cycles - Incremental improvements made for the preceding five years with regard to quality and post accreditation quality initiatives)

Response:

The IQAC reviews, the teaching learning process and the methodologies and learning outcomes at periodical intervals through the norms prescribed by the IQAC.



Reviews and Reforms in teaching learning Academic and Administrative Audit

- IQAC conducts academic audit covering all the important aspects of teaching- learning process.
- A separate audit to assess quality of course files contents of individual faculty. Continuous improvement is achieved through periodic audits and satisfying statutory requirements.
- The college has separate **Internal Audit Committee** with members from various departments, to monitor and evaluate the curriculum delivery and evaluation methods after the completion every semester.

Guidance to advanced and slow learners

1. To identify and analyze the factors affecting the student's performance.
2. To provide a better solution for the improvement.
3. To provide a desirable and amicable solution both for the slow learners and advance learners to avoid any discrimination between them and they must take interest to reach up to a position in due course of time where both the group feel at par with each other.

1.Reason for Mentoring

1. Diversified students with different society stratum unable to cope up with common culture
2. Medium of instruction in the earlier study induces inferiority complex
3. Home-sickness and unable to cope up with hostel and college culture Fear of complexity on higher education

2.Process to Identify Slow and Advanced Learners

The process of identifying slow and advanced learners is as Based on assessed parameters students are

classified into three groups:

- If aggregate score in Internal Assessment is < 50%; Slow Learners
- If aggregate score in Internal Assessment is > 70%; Advanced Learners

Enhancement in the usage of ICT tools

ICT Tools:

- Projectors- 24 projectors are available in different classrooms/labs
- Desktop and Laptops- Arranged at Computer Lab and Faculty cabins all over the campus.
- Printers- They are installed at Labs, HOD Cabins and all prominent places.
- Photocopier machines - Multifunction printers are available at all prominent places in the institute. There are four photostat machines available in campus.
- Scanners- Multifunction printers are available at all prominent places.
- Seminar Rooms- One seminar halls are equipped with all digital facilities.
- Smart Board- Six smart board is installed in the campus.
- Auditorium- It is digitally equipped with mike, projector, cameras and computer system.
- Online Classes through Zoom, Google Meet, Microsoft Team, Google Classroom
- Digital Library resources

Use of ICT by Faculty-

- **PowerPoint presentations-** Faculties are encouraged to use power-point presentations in their teaching by using LCD's and projectors.
- **Industry Connect-** Seminar and Conference room are digitally equipped where guest lectures, expert talks and various competitions are regularly organized for students.
- **Online quiz-** Faculties prepare online quiz for students after the completion of each unit with the help of GOOGLE FORMS.
- **Video Conferencing-** Students are counseled with the help of Zoom / Google meet applications.
- **Video lecture-** Recording of video lectures is made available to students for long term learning and future referencing.
- **Workshops-** Teachers use various ICT tools for conducting workshops on latest methods such as SPSS, Programming languages, simulations etc.

File Description	Document
Upload any additional information	View Document
Paste link for additional information	View Document

6.5.3 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)

3.Participation in NIRF**4.any other quality audit recognized by state, national or international agencies (ISO Certification, NBA)****Response:** B. 3 of the above

File Description	Document
Upload e-copies of the accreditations and certifications	View Document
Upload details of Quality assurance initiatives of the institution	View Document
Upload any additional information	View Document
Paste web link of Annual reports of Institution	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 during the last five years.

Response:

The Nehru Group of Institutions is dedicated to the development of true citizens, and all students on campus are treated equally regardless of gender. In its approach to education, the institution has always been student-centred. The Institute has undertaken a number of activities through its curricular and co-curricular programmes in order to raise awareness among students regarding gender equality.

Safety and security

- To address issues of gender equity, a Women Welfare Committee and a Sexual Harassment Committee have been formed. A Women Empowerment Cell organises awareness programmes for female students.
- A Women's Grievance Cell monitors issues related to gender equality.
- Equal representation for women in all student associations/clubs.
- Girls and boys pupils are included in all leadership training programmes
- Complaint/suggestion boxes have been placed in all departments and dormitories on campus, and practically all organizational committees have female representation.
- The entire campus is monitored via technological devices. The installation of CCTV cameras at all strategic points ensures constant monitoring of the campus.
- The Anti-Ragging Committee was established to combat ragging on campus.

Counselling

- Mentors are assigned to each class of students for academic and personal purposes.
- Teachers, as class advisors and mentors, are the best counsellors for students, second only to their parents.
- Every 15–20 kids are assigned a mentor. They offer the student personal and psychosocial support.

Common Rooms

- As this is a co-educational college, boys and girls are given separate common areas to use during sick time.
- A medical room is also provided with a first-aid kit.

File Description	Document
Link for annual gender sensitization action plan	View Document
Link for specific facilities provided for women in terms of: a. Safety and security b. Counselling c. Common Rooms d. Day care center for young children e. Any other relevant information	View Document

7.1.2 The Institution has facilities for alternate sources of energy and energy conservation measures

1. Solar energy
2. Biogas plant
3. Wheeling to the Grid
4. Sensor-based energy conservation
5. Use of LED bulbs/ power efficient equipment

Response: A. 4 or All of the above

File Description	Document
Geotagged Photographs	View Document
Any other relevant information	View Document

7.1.3 Describe the facilities in the Institution for the management of the following types of degradable and non-degradable waste (within 500 words)

- Solid waste management
- Liquid waste management
- Biomedical waste management
- E-waste management
- Waste recycling system
- Hazardous chemicals and radioactive waste management

Response:

Solid waste management

- The solid waste, such as paper wastes, plastic wastes, food wastes, and other wastes, that are generated on a daily basis are collected and segregated into biodegradable and non-biodegradable wastes.
- The different waste groups have different colours for the containers/dustbins for the identification according to the hazards and applied throughout the complete disposal chain from collection to disposal, that is,
 - segregation,
 - collection,

- Storage,
- Transport,
- Disposal.
- Specified coloured containers or dustbins are used to dump recyclable rubbish waste and non-recyclable waste.
- Waste collection and appropriate disposal are handled by a separate body.
- sanitary napkins, batteries, and other items were disposed of without causing any damage to the campus.

Liquid Waste Management

- For the treatment of wastewater, a sewage water treatment facility has been erected on campus.
- Water from the hostels and institutions is purified and pumped back into the system.
- Water that has been treated is utilised for flushing and gardening.

E-waste management

- E-Wastes like defunct computers, printers discharged batteries, UPS, condemned electronic units, circuit components, etc. are collected.
- Agreements/MoUs with approved agencies to handle the e-wastes.
- The NSS unit of the institution undertakes Swatch Campus Campaigns periodically by involving the students in the cleanliness of the campus.

Waste recycling system

- Recycling of plastic waste into new and useful products.
- When performed correctly, this can reduce dependence on landfills, conserve resources and protect the environment from plastic pollution and greenhouse gas emissions.
- Recyclable garbage waste and non-recyclable wastes are dumped in specified coloured containers/dustbins. Also used as fertilizer for agricultural land.

File Description	Document
Any other relevant information	View Document
Link for Relevant documents like agreements/MoUs with Government and other approved agencies	View Document
Link for Geotagged photographs of the facilities	View Document

7.1.4 Water conservation facilities available in the Institution:

1. Rain water harvesting
2. Borewell /Open well recharge
3. Construction of tanks and bunds
4. Waste water recycling

5.Maintenance of water bodies and distribution system in the campus**Response:** A. Any 4 or all of the above

File Description	Document
Geotagged photographs / videos of the facilities	View Document
Any other relevant information	View Document
Link for any other relevant information	View Document

7.1.5 Green campus initiatives include:

- 1.Restricted entry of automobiles**
- 2.Use of Bicycles/ Battery powered vehicles**
- 3.Pedestrian Friendly pathways**
- 4.Ban on use of Plastic**
- 5.landscaping with trees and plants**

Response: A. Any 4 or All of the above

File Description	Document
Various policy documents / decisions circulated for implementation	View Document
Geotagged photos / videos of the facilities	View Document
Link for any other relevant information	View Document

7.1.6 Quality audits on environment and energy are regularly undertaken by the Institution and any awards received for such green campus initiatives:

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

Response: A. Any 4 or all of the above

File Description	Document
Reports on environment and energy audits submitted by the auditing agency	View Document
Certification by the auditing agency	View Document
Certificates of the awards received	View Document
Any other relevant information	View Document

7.1.7 The Institution has disabled-friendly, barrier free environment

1. Built environment with ramps/lifts for easy access to classrooms.
2. Divyangjan friendly washrooms
3. Signage including tactile path, lights, display boards and signposts
4. Assistive technology and facilities for Divyangjan accessible website, screen-reading software, mechanized equipment
5. Provision for enquiry and information : Human assistance, reader, scribe, soft copies of reading material, screen reading

Response: A. Any 4 or all of the above

File Description	Document
Policy documents and information brochures on the support to be provided	View Document
Geotagged photographs / videos of the facilities	View Document
Details of the Software procured for providing the assistance	View Document
Link for any other relevant information	View Document

7.1.8 Describe the Institutional efforts/initiatives in providing an inclusive environment i.e., tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic and other diversities (within 500 words).

Response:

The institution provides an inclusive environment for everyone with tolerance and harmony toward cultural, regional, linguistic, communal socio-economic and other diversities

Regional Harmony

Our pupils appreciate different religions, languages, and cultures because we believe in unity in variety. We consider the institution to be our second home, and each faculty member to be a member of our family. We greet and wish each other during various holidays and invite them to a feast to learn about each other's

cultures, establish friendly contacts, and promote regional harmony. Various sports and cultural events held at the college encourage unity among students. In the college, commemorative days such as Women's Day, Yoga Day, and Cancer Day, as well as several regional holidays such as Pongal and Onam, are observed. This creates a positive environment for people of all racial and cultural origins to interact.

Linguistic Harmony

The institution comprises students and staff belonging to various linguistic backgrounds like Kannada, Malayalam, Tamil, Telugu, Hindi, etc. In order to create linguistic harmony, the institution conducts competitions on themes highlighting languages.

Communal Harmony

The institution organizes programmes to promote communal harmony through inter-religious dialogue, value education, etc. The institution has developed team spirit among its stakeholders including management, teachers & students. Our students learn & celebrating together and have a friendly relationship among them. All staff members of this institution are appointed merely on the basis of their abilities and qualities besides their caste & religion.

Socio-Economic Harmony

Eminent speakers deliver motivational talks to students in order to help them to develop their personalities and become responsible citizens who adhere to national values of social and communal peace and national integration.

File Description	Document
Link for supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	View Document
Link for any other relevant information	View Document

7.1.9 Sensitization of students and employees of the Institution to the constitutional obligations: values, rights, duties and responsibilities of citizens (within 500 words).

Response:

- India as a country includes people from many backgrounds, including cultural, social, economic, linguistic, and ethnic diversity, all of which are governed and guided by the Constitution, regardless of caste, religion, race, or gender.
- The Institution educates its students and workers about their constitutional commitments in terms of values, rights, duties, and responsibilities, enabling them to act responsibly as citizens.
- The institution creates policies that are based on its basic beliefs. For students and employees, a code of behaviour has been prepared, and everyone is expected to follow the standards.
- By offering an effective, supportive, safe, accessible, and affordable learning environment, students

will be equipped with the knowledge, skills, and values needed to maintain a balance between work and life. These values are instilled in the collegiate community's value system.

- The students are inspired by participating in various programs on culture, traditions, values, duties, and responsibilities by inviting prominent people. The institute conducted awareness programs on the ban on Plastics, Cleanliness, Swachh Bharat, etc. by involving students.
 - Rally for Rivers
 - Know Your Rights
 - Role of Soft Skills to Enhance Employability
 - Entrepreneurship Motivation



File Description	Document
Link for details of activities that inculcate values necessary to render students in to responsible citizens	View Document
Link for any other relevant information	View Document

7.1.10 The Institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts periodic programmes in this regard.

1. The Code of Conduct is displayed on the website

2. There is a committee to monitor adherence to the Code of Conduct
3. Institution organizes professional ethics programmes for students, teachers, administrators and other staff
4. Annual awareness programmes on Code of Conduct are organized

Response: A. All of the above

File Description	Document
Details of the monitoring committee composition and minutes of the committee meeting number of programmes organized reports on the various programs etc in support of the claims	View Document
Code of ethics policy document	View Document
Any other relevant information	View Document

7.1.11 Institution celebrates / organizes national and international commemorative days, events and festivals (within 500 words).

Response:

- Every year on January 26th, Republic Day is commemorated by holding events that highlight the significance of the Indian Constitution.
- Every year on August 15th, Independence Day is commemorated with parades and flag hoisting to commemorate India's independence from British dominion. Students are encouraged to commemorate our national leaders and their sacrifices at the institution.
- Teachers Day Celebration Institute has a unique culture of recognising teachers' contributions by rewarding them in a different categories.
- Engineers Day is observed every year. On that day, technical competitions are held. Students demonstrate their inventiveness by displaying their working models and structures.
- Every year on June 21st, International Yoga Day is observed. The yoga instructor organises the yoga camp and gives a speech to inform everyone on how Yoga represents mind-body unity, thought-action, restraint, and fulfilment.
- Women's Day is commemorated at the departmental level, with the Head of the Department hosting a small gathering for females in the college.

File Description	Document
Link for Annual report of the celebrations and commemorative events for the last five years	View Document
Link for any other relevant 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:

BEST PRACTICE- I

Title: Enriching Academic Excellence through Cooperative learning

Cooperative learning uses both goal interdependence and resource interdependence to ensure interaction and communication among group members.

Objectives of the Practice:

- To develop responsible and autonomous learners through collaborative learning
- To increase the confidence of the learners
- To enhance the social, technical, and group learning skills
- To facilitate exchanging of the knowledge and experience with each other
- To help students learn difficult concepts in less time
- To inculcate communication and team-building skills

The Context:

Cooperative Learning is a fun form of collaborative learning in which students work together to achieve educational goals. Cooperative Learning, in its broadest sense, is a method of "learning for everyone, by everyone." It occurs in a formal or casual learning setting. It is taught in small groups, allowing pupils to learn more effectively. In cooperative learning, a mentor is a peer who is a senior student or has specialised knowledge. The pupils are a select group of juniors known as mentees. Cooperative Learning demonstrates features of self-organization that are rarely seen in traditional teaching and learning paradigms. Cooperative Learning entails peer discussion on topics such as sharing subject knowledge, resolving subject difficulties, writing university papers, working on projects, recommending books, preparing for placements, preparing for higher education, and the benefits of participating in co-curricular and extra-curricular activities, among others. It also aids mentors in improving their leadership, self-confidence, time management, communication, and teamwork abilities.

The practice:

- At the department level, each faculty member is appointed as the course coordinator for the cooperative learning activity.
- Each department's course coordinator leads a group of five students.
- One student is assigned to each group as a mentor based on his or her academic performance/skills.
- The mentor meets with the group to discuss various topics as needed.

Evidence of success (outcomes):

- Improvement in placements.
- Improvement in academic performance.
- Increased participation and achievements in individual and group activities.

Problems Encountered & Resources Required

- Annual budget allocation is required to build infrastructure.
- Substantial capital expenditure has been incurred to create a robust IT infrastructure for videoconferencing and online classes.
- Pay attention to each and every one of your team members. The degree to which you truly listen to others will boost your self-assurance, acceptance, and achievement. When people have an open mind and listen to what others have to say, problems are easier to solve. Listening intently to others also aids us in comprehending and appreciating how other members of the group feel and think.
- Define roles and duties. When one individual takes charge by performing all of the labour, others feel undervalued and withdraw. On the surface, it may appear that some members of the group are merely lazy. However, students accused of slacking off will frequently claim that they are being directed by someone else who does not allow them to make decisions or welcome their contributions. The goal is to come to an agreement on who does what and by when.
- Recognize and appreciate each person's unique abilities. If one student is exclusively interested in getting good grades, he or she will have problems trusting others in the group to get good grades. As a result, rather than inviting everyone person's thoughts and contributions, the dominant person focuses on one or two individuals to demonstrate their abilities. However, we know that people are more driven when they can demonstrate their own individual skills rather than relying on the abilities of others.
- Model greatness. Rather than lecturing other members of the group on how to produce outstanding work, members of the group can demonstrate their own readiness to provide quality responses. Others can aid by supporting and encouraging change if one student falls short of the group's standards. Members should, however, refrain from harsh criticism and unfavourable reactions to one another's thoughts and views.

BEST PRACTICES - II

Title: Step into Entrepreneurship & Business Ecosystem

Objectives of the Practice:

- By providing entrepreneurial training, we hope to discover and encourage our students to pursue self-employment as well as become job providers for others.
- To increase the number of job options available to our pupils.
- To allow students to express the knowledge and abilities they have gained by the end of the programme.
- Using youth's knowledge and energy to help them become active participants in the economic development process.
- To accelerate and encourage the growth of knowledge-based and innovation-driven businesses, as well as to provide employment possibilities for young people, particularly students.
- To instil a culture of entrepreneurship based on innovation.
- To serve as an institutional framework for delivering a variety of services to aspiring S&T entrepreneurs, including information on all elements of business development.

The Context:

- Planning and coordinating entrepreneurship education activities for all the departments of the

institution.

- Arranging and coordinating common inter-departmental classes on Entrepreneurship Development on a regular basis.
- Conducting faculty development programs on entrepreneurship.
- Liaising and networking with outside professional agencies in the area of entrepreneurship development.
- Motivate, support and mentor students for the identification, development and commercialization of their innovative ideas.
- Initiate the targeted number of innovative student projects each year for new product development.
- Organize Business Plan Competitions/Innovation Camps/Hackathons with the active involvement of industry and alumni.
- Guide and assist prospective entrepreneurs on various aspects such as preparing project reports, obtaining project approvals, loans and facilities from agencies of support system, technologies information, etc.
- Arrange interaction with entrepreneurs, bankers, professionals, and potential customers and create a mentorship scheme for student innovators.
- Facilitate the creation of entrepreneur's club/E-Cells in the college to foster a culture of entrepreneurship amongst students.

The institution has initiated and keeps on supporting the various entrepreneurial activities for the students. The knowledge initiative from the institution is intended to kindle the entrepreneurial spirit of the students. This enables the students to showcase their entrepreneurial skills in various industry-academia connected platforms.

Evidence of Success

- The goals and functions of startups have been identified.
- Training programmes on startups have been undertaken, students successfully completed them to gain a better understanding of startups.
- Our students' ability to design viable business models has been strengthened as a result of this endeavour.



Founder(s):

Mr AkshaiKrishna.S Mr Abilash. R Mr Sourav. P.V Mr Sudarshan. G.A

Company Name: DRAAS GLOBAL PVT LTD.

Automated soup vending machine: Our startup idea is to design and manufacture soup vending machines. The main aim of the project is to replace unhealthy soft drinks like Pepsi, Coke, 7up etc. So, we planned to introduce healthy tasty soup via vending machine to crowded places like Offices, Malls, Theatres, restaurants, schools, College canteens etc. This project reduces manual work for making mass Production of soup.



Founder(s):

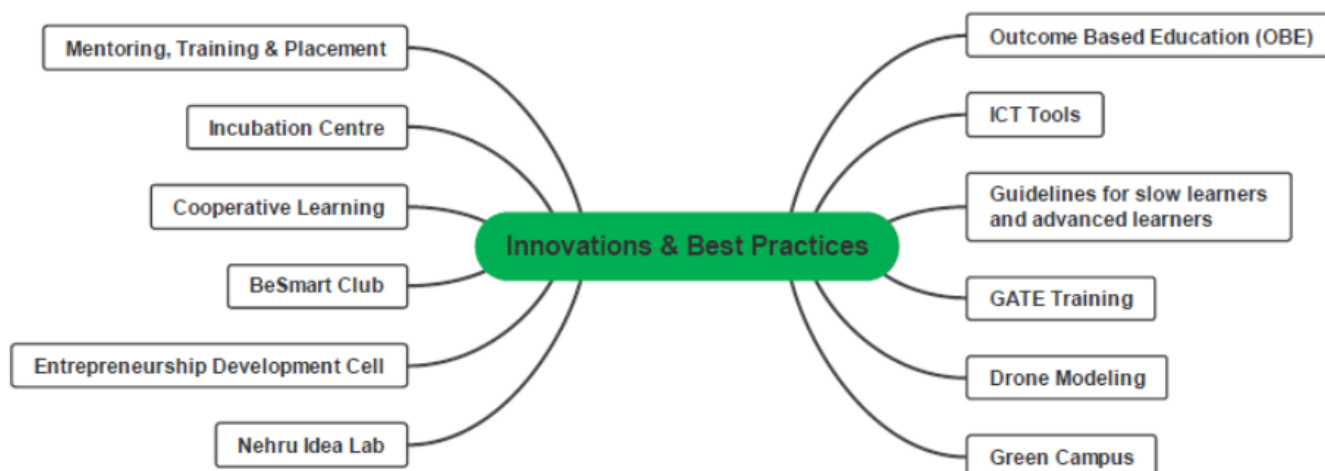
Mr Akhilraj. AR Ms.Sankari MN, Mr.Ragul P, Mr.Pandiyaraj S

Company Name: Lans Flooring.

Manufacturing of tile using waste rubber (using shoe outer sole and scrap tyre): Our startup idea is to design and manufacture a rubber tile. With this method of tile making, we can minimize waste rubber. It reduces the usage of sand and ceramic products. Reduction in cost of tile manufacturing. It reduces the burning of waste rubber and thereby controls the emission of Carbon-di-oxide. It also reduces the dumping of waste rubber onto the ground which helps in the control of soil pollution and hence improves the groundwater table.

Problem Encountered and Resources Required

A conservative mindset of parents is a big challenge faced by our student entrepreneurs. Our society seemingly does not give equal status to a regularly salaried person and startup entrepreneur. Job seeking nature sets in the minds of students right from their school days. Lack of awareness of entrepreneurship prevails. Education on entrepreneurship can be given from the first year of study. Entrepreneurship courses can be included in the curriculum to promote self-employment. Programs and activities of training are decided on the basis of the availability of trainers during the academic schedule. This affects the process of entrepreneurship.



File Description	Document
Link for Best practices in the Institutional web site	View Document
Link for 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:

The Vision of the Institute focuses on five aspects essentially Academic excellence, Multidisciplinary Research, Innovation, Entrepreneurship and Industry relation in order to mould true citizens of the country. This being the thrust area NIT also gives importance to inculcating humane qualities and lifelong learning for sustainable contribution to the society. The Management believes that good infrastructure and good laboratories with state of the art facilities are essential for offering quality education. Keeping this in mind the management provided good Infrastructural facilities and laboratory equipment

The excitement of Innovation & Entrepreneurship

Young innovative minds and students, in particular, are a quintessential part of developing an entrepreneurship ecosystem and hence utilising their resources is of paramount importance. To provide a conducive environment for student entrepreneurs, we initiated Entrepreneurship Development Cell and registered it under Entrepreneurship Development and Innovation Institute, Government of Tamil Nadu (TN-EDII). And our cell is one of the Spoke Institutions of the Anna University Regional Center Coimbatore. ED Cell is operating in collaboration with IPR Cell and NewGen IEDC which is funded by DST. When the ED Cell is conducting the awareness activities on entrepreneurship, the student got an

appropriate idea as an outcome. The best will be selected for funding from NewGen IEDC and the legal rights of the idea are ensured and incorporated by IPR Cell. The Process is a flow and it ensures that the student is guided from the Idea Generation to the initiation of his entrepreneurial life.

NOBLE- Outbound to Unlearn & Learn

Nehru Outbound for Leadership Excellence (NOBLE) helps students to unleash their hidden potential and help to reinvent themselves. In today's world, qualities like leadership, Being self-driven, decisiveness and team spirit have taken on unprecedented importance. It is these traits that make you stand apart and make individuals & corporates stand ahead of the crowd. At NOBLE we firmly believe the traits can be learnt best in outbound programmes than in classrooms. This facilitates an inner view of students' strengths and limitations, thereby leading them to high powerful individuals with a strong team spirit. Our outdoor team consist of people with in-depth knowledge of outdoors and survival techniques who are trained in proper equipment usage and safety norms.

Nehru Vigyan scholarships

Nehru Vigyan is Scholarship initiative of Nehru Group. Students with high merit are provided with financial support to complete their education at our institutions.

Drone Club

Starting from the fundamentals, students can think, design and get self-motivation for fabricating various aircraft models, UAVs and drones. They also learn practically by flying their prepared models. They can create the aircraft models with innovative ideas which will also be helpful in understanding the real-time application of an aircraft and increase the interest of self and others to pursue studies related to Aeronautical Engineering.

Skill Development Centre (Be Smart Club)

Skill Develop Centre (Be Smart Club) was created for students and the centre strengthens the technical knowledge of the students. Be Smart Club provides training to the students. This training ensures that students attain the scope of a career in both their core and in the IT industry. In this era of increasing automation, a creative and innovative mindset with an orientation for problem-solving is essential for engineers to be employable. In this connection Skill Develop Centre (Be Smart Club) conducted various activities and training given to the students and increases creativity and innovation to stimulate problem-solving skills. This will help in developing critical thinking and promoting deep learning.

NIT Idea Lab

Institute initiated Ideas Lab for students. Idea Lab is a high-intensity, interactive, and free-thinking setting in which a varied group of people from many disciplines and experiences come together to engage in collaborative thought processes in order to develop creative methods.

Inculcate Human qualities, Ethical Values and Integrity

College celebrates national days like Republic Day, Independence Day, International Women's Day, Engineers Day, Teachers Day, etc to inculcate the importance of moral values and significance. During

every program, the national anthem is being played to feel integrity and patriotism. Anna University has provided a course called Professional Ethics and Human Values to learn ethical practices and human values among students. The institution encourages diversified students to participate in and lead the activities and programmes such as conferences, symposiums, workshops, cultural festivals, sports and college days, etc inside and outside the campus. During annual functions and alumni day, students are encouraged to showcase their native and regional talents.

File Description	Document
Link for appropriate web in the Institutional website	View Document
Link for any other relevant information	View Document

NAAC

5. CONCLUSION

Additional Information :

- The vision, mission and objectives are framed in clear terms. The physical infrastructure includes more class/tutorial rooms, spacious laboratories, Library, Seminar Halls, Board Room, separate Boys' and Girls' common rooms, as well as Sports and Gym on campus along with Hostel facilities.
- Enhancement of R&D and Institutional Consultancy activities are attracting more faculty members. Many of our faculty members are taking part in Faculty Development Programs, Workshops, Conferences and seminars/webinars to improve their skills.
- Incentives given to faculty members for their achievements in research and academic.
- Nehru Institute of Technology's modern, forward-thinking, and enthusiastic management is giving academicians complete autonomy in carrying out the institution's academic activities. To govern academic and administrative activities, the Governing Council, Academic Advisory Committee, and numerous other bodies are in place.
- A novel concept of student mentors has been devised in order to make the students' entire four-year engineering experience memorable and enjoyable.
- Students are encouraged to engage in Inter-Collegiate and industry-oriented events at the national level to help them develop their competitive spirit.
- Our students are placed in reputed companies and attracted the highest package
- Career guidance and training for competitive exams such as GATE, GRE, and TOEFL are provided for students' benefit.
- The Institute promotes entrepreneurs by anticipating current and future needs, bringing actionable and new ideas to market, and developing students with the skills and initiatives needed to create more jobs in society.
- Best practices are explored and applied to students and faculty members' to extract their overall performance.

Concluding Remarks :

- Nehru Institute of Technology is growing at an incredible pace, marching ahead with all its might, definitely with the right spirit and in the right direction. This is possible because our family believes and follows the Core Values namely Discipline, Determination, Dedication, Integrity & Trust, Interest & Involvement!
- In our mission and commitment to higher education, we are grateful to many individuals who support us, collaborate with us and work tirelessly to ensure the smooth functioning of our day to day activities.
- The institute has rightly envisioned becoming a role model in professional education and the most preferred choice of students, parents, faculty and industry.

6.ANNEXURE

1.Metrics Level Deviations

Metric ID	Sub Questions and Answers before and after DVV Verification																				
2.4.2	<p>Average percentage of full time teachers with 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)</p> <p>2.4.2.1. Number of full time teachers with Ph. D. / D.M. / M.Ch. / D.N.B Superspeciality / D.Sc. / D.Litt. year wise during the last five years</p> <p>Answer before DVV Verification:</p> <table border="1"> <thead> <tr> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> <th>2016-17</th> </tr> </thead> <tbody> <tr> <td>13</td> <td>13</td> <td>11</td> <td>18</td> <td>17</td> </tr> </tbody> </table> <p>Answer After DVV Verification :</p> <table border="1"> <thead> <tr> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> <th>2016-17</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>1</td> <td>1</td> <td>1</td> <td>1</td> </tr> </tbody> </table> <p>Remark : HEI has not shared Ph.d certificates.</p>	2020-21	2019-20	2018-19	2017-18	2016-17	13	13	11	18	17	2020-21	2019-20	2018-19	2017-18	2016-17	1	1	1	1	1
2020-21	2019-20	2018-19	2017-18	2016-17																	
13	13	11	18	17																	
2020-21	2019-20	2018-19	2017-18	2016-17																	
1	1	1	1	1																	
3.3.3	<p>Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during last five years</p> <p>3.3.3.1. Total number of books and chapters in edited volumes/books published and papers in national/ international conference proceedings year-wise during last five years</p> <p>Answer before DVV Verification:</p> <table border="1"> <thead> <tr> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> <th>2016-17</th> </tr> </thead> <tbody> <tr> <td>138</td> <td>05</td> <td>09</td> <td>07</td> <td>05</td> </tr> </tbody> </table> <p>Answer After DVV Verification :</p> <table border="1"> <thead> <tr> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> <th>2016-17</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>1</td> <td>1</td> <td>1</td> <td>1</td> </tr> </tbody> </table> <p>Remark : HEI has not shared relevant documents for this metric.</p>	2020-21	2019-20	2018-19	2017-18	2016-17	138	05	09	07	05	2020-21	2019-20	2018-19	2017-18	2016-17	1	1	1	1	1
2020-21	2019-20	2018-19	2017-18	2016-17																	
138	05	09	07	05																	
2020-21	2019-20	2018-19	2017-18	2016-17																	
1	1	1	1	1																	
4.2.4	<p>Percentage per day usage of library by teachers and students (foot falls and login data for online access) during the latest completed academic year</p> <p>4.2.4.1. Number of teachers and students using library per day over last one year</p> <p>Answer before DVV Verification : 194</p> <p>Answer after DVV Verification: 39</p> <p>Remark : DVV has made the changes as per average of teacher and students using library per day</p>																				

	on (dates)
5.4.2	<p>Alumni contribution during the last five years (INR in lakhs)</p> <p>Answer before DVV Verification : A. ? 5 Lakhs Answer After DVV Verification: D. 1 Lakhs - 3 Lakhs Remark : As per supporting document provided by HEI</p>

2.Extended Profile Deviations

Extended Profile Deviations
No Deviations

N/AAC