



# **SELF STUDY REPORT**

**FOR**

**1<sup>st</sup> CYCLE OF ACCREDITATION**

## **SREE NARAYANA INSTITUTE OF TECHNOLOGY**

SREE NARAYANA INSTITUTE OF TECHNOLOGY THEPPUPARA,  
EZHAMKULAM, ADOOR, PATHANAMTHITTA  
691554  
[www.snit.edu.in](http://www.snit.edu.in)

Submitted To

**NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL**

**BANGALORE**

**February 2023**

# **1. EXECUTIVE SUMMARY**

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## **1.1 INTRODUCTION**

Sree Narayana Institute of Technology Adoor (SNIT) is a leading engineering college, located on the lap of the *Cheerankunnu Hills* Theppura, a rural backdrop of Pathanamthitta District in Kerala State. The institution is established and managed by Pattayil Kunju Kunju Memorial Charitable Trust. **SNIT Adoor** is affiliated to APJ Abdul Kalam Technological University and approved by the AICTE, New Delhi. SNIT started functioning in 2011, intending to create professionally competent engineers imbuing human values and social commitment. The institute follows a systematic practice in developing, discharging and monitoring curriculum transactions effectively. The institute offers five UG programmes and three PG programmes.

### **Vision**

**Vision:** To evolve SNIT Adoor as a CENTRE OF EXCELLENCE in Technology and Management.

### **Mission**

#### **Mission:**

- Apply Technology and Management education as a powerful means to eliminate social inequalities.
- Encourage inquisitiveness, innovation, creativity, and entrepreneurship among Students and Teachers.
- Improve the teaching-learning process through experimental and participatory learning.
- Impart technical and management education enabling the students to think and act beyond boundaries.
- Abreast with advanced e-learning/management technologies for effective teaching transactions.
- Encourage sustainable practices for the management of energy, provisional ecosystem services and environmental resources.

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

### **Institutional Strength**

- ◆ Visionary Management
- ◆ Serene Campus
- ◆ Well-Connected Location
- ◆ State-of-the-art Infrastructure
- ◆ Qualified, Talented and Committed Staff
- ◆ Decentralized and Transparent Administration
- ◆ Sound Financial Backup

### **Institutional Weakness**

- ◆ No Computer Science related B.Tech/ M.Tech programs
- ◆ Few externally funded projects
- ◆ No international collaborations
- ◆ No academic exchange programs

### **Institutional Opportunity**

- ◆ More and more industries are expressing interest for offering internship/project/ placement
- ◆ Can offer Minor and Honours programs in Computer Science related subjects as per the norms of the affiliating university
- ◆ Provisions to offer B. Voc program for students who may drop out the B.Tech. course.

### **Institutional Challenge**

- ◆ Low enrolment
- ◆ High student drop out
- ◆ Poor faculty retention
- ◆ Non-availability of Ph.D. holders
- ◆ No opportunities for part-time research for Ph.D. aspirants

## **1.3 CRITERIA WISE SUMMARY**

### **Curricular Aspects**

The Institutional Academic Council (IAC) comprising the heads of the departments and others has been constituted abiding by the statutes of Kerala Technological University (KTU). IAC is the highest body for planning, implementing and monitoring curricular aspects at the institutional level. Internal Quality Assurance Cell (IQAC) ensures academic quality assurance and supports the Institutional Academic Council and Department Advisory Committee (DAC) for the same. DAC is entrusted with effective curriculum planning and transaction at the stream levels (Department). At the beginning of each academic year, the University provides an academic calendar (KTU Calendar) which includes guidelines regarding commencement, Continuous Internal Evaluation (CIE) and End-Semester Examination. IQAC proposes an institutional academic calendar in line with that of the affiliating university. DAC prepares CO PO under the supervision of IQAC. IAC, IQAC and DAC ensure the CO PO attainment.

Faculty members are encouraged to prepare a course plan for their classroom teachings for the entire semester. The institution has subscribed to a web-based learning management system (Linways) with open access to teachers, students and parents at different levels. It has been enabled for uploading class notes, question banks, whiteboards and online examinations and discussion forums for the students. The course committee and the class committee are the other important academic arms to ensure effective and transparent curriculum transactions. Remedial classes are conducted for slow- learners beyond the academic hours of the institution.

Student feedback on teachers is conducted periodically.

Apart from the above: the advisor file, course file and course diary are maintained as academic records. Curricular and co-curricular activities are planned and organized in a learner-centric mode. Mentors and advisors focus on student learning attainment effectively.

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

The faculty members adopt various methods of teaching and learning to create the optimum learning attainment for students. Learner-centric methods like experiential learning, participative learning and problem-solving methods are employed for enhancing the learning experience with ICT for effective teaching and learning. The Institution strictly follows the evaluation procedure prescribed by the affiliating University. Student performance is evaluated through continuous assessment and end-semester examinations. The process is transparent and robust and ensures effective student evaluation. The faculty members are oriented towards outcome-based education (OBE) and actively utilize OBE to facilitate experiential learning and the attainment of CO PO.

The institution follows a robust system for identifying supporting and encouraging advanced learners and at the same time hand holding, nurturing and motivating slow learners for attaining maximum learning outcomes. Provisions are also provided for enhancing the communication skill set of the learners. An effective mechanism is in place for grievance redressal for students.

### **Research, Innovations and Extension**

SNIT Adoor has developed and established a well-defined ecosystem for innovation, inception and transfer of knowledge in engineering and management. The institution has a functional system of the Innovation Entrepreneurship and Development Centre (IEDC) and Technology Business Incubator (TBI). The institution is also in the process of getting recognized as a research centre under the affiliating university. The basic idea is to promote thinking beyond boundaries among students and staff. The TBI collaborates with different government and non-governmental organizations.

Academic departments promote design-thinking so that students undertake implementable projects, solving need-based problems in society. Such projects attracted recognition from the Kerala state start-up mission and financial support from government agencies. SNIT Adoor has also taken initiatives to promote a start-up ecosystem enabling engineering and management students to get hands-on exposure in initiating, incubating and managing start-ups. The institution has also entered several MoUs for gaining and transferring knowledge in technology and management domains.

Extension activities are carried out in the neighbourhood community, sensitizing students to social issues, for their holistic development. In the current era, students must know about their inner strengths. National Service Scheme, Student Chapters and department associations undertake several activities connecting with the immediate communities.

## **Infrastructure and Learning Resources**

SNIT Adoor has a sprawling and aesthetically landscaped campus of more than 10 acres (Latitude-9.1°/Longitude-76.7°) on the lap of the Cheerankunnu hills of Theppupara. All buildings are elegantly designed, engineered with precision, exquisitely finished and ergonomically furnished. The academic and administrative sections are housed in the main building with a few ICT-enabled classrooms. Workshops and laboratories are housed in separate buildings and linked through aerial passages.

The central library and department libraries are housed in the main building. Digital library facilities are provided through DELNET, NDL, and KNIMBUS. Central computer facilities with broadband connectivity are provided for academics. The main and the mini auditorium are housed in the laboratory buildings. The ABSN conference hall has a seating capacity of 200 and all the teaching departments have their seminar halls. The institution has a well-furnished canteen in a separate building and other two coffee huts located in the main building and the laboratory building. A gymnasium, Yoga Hall, Swimming pool, Volleyball, Basketball, football, and cricket court are provided on the campus.

Information technology is widely accepted as an effective tool for ensuring the efficiency of educational transactions. Institution frequently updates information technology facilities and provides sufficient bandwidth for internet connection. Online learning and remote training are new additions to this spectrum. SNIT has taken a series of other steps for enabling technology-friendly services to students, teachers and parents. Further; applications for teaching, evaluation and financial transactions are also offered through online mode

## **Student Support and Progression**

The institution has an active platform to develop soft skills and impart essential life skills to the students. The training programmes are conducted under the leadership of the Basic Science and Humanities Department. The placement and training cell is a vital part of our system and follows a Student Centric Approach to convene the outlook of the corporate world. Training activities are well thought-out throughout the year to prepare students for campus selection. The Art of Living (AoL) foundation has certified the institution as a “Happyfied campus” because of the initiative in offering PRANAYAMA to all the students and staff. The MoU with Amrita IAS academy and Amrita DST Technology Enabling Centre are intended for student progression. The institution has an active Alumni Association named 'Sauhruda'. There exist viable provisions for offering financial support to needy students on merit and social/ economic basis. Ample avenues exist in this institution for supporting and developing democratic leadership qualities, artistic talents, athletic capabilities and social responsibility among students.

## **Governance, Leadership and Management**

SNIT Adoor follows a robust and dynamic system for governance. The institution has been set up by Pattayil Kunju Kunju Memorial Charitable trust with a farsighted vision and well-defined missions. SNIT Adoor Functions academically and administratively by adhering to the above vision and missions

The institution practices a set of rules and procedures which are enshrined in the MoP of the institution. The Management envisages evolving the institution into a Centre of Excellence. A series of Missions have been initiated to achieve the Vision of the institution. A Perspective Development Plan (PDP) has been set as part of the decennial program of the institution.

## **Institutional Values and Best Practices**

SNIT Adoor is a co-educational, gender-neutral - equal opportunity institution. The policy declarations of the institution highlight gender equity as one of the key themes of focus. The institution flows ideology propounded by *a saint & social reformer of India*, Sree Narayana Guru that says “Matham Ethayalum Manuzhyan Nannaayaalmathi” which means ‘Whatever be the religion, it is enough if the man becomes virtuous’. The above ideology manifests inclusive tolerance among all sectors of people. The institution keenly organizes programs, opens all avenues and takes all efforts to inculcate the spirit of inclusive tolerance and harmony among students, staff and the immediate community. The institution observes all national days with diligence so that the students and staff imbibe the spirit of nationalism.

The Student Mentoring System has been envisaged in the institution with a unique motto of all-inclusive development of students in their social learning, and intellectual and moral well-being. Every Teacher in the institution acts as a mentor of a specific batch of students at the point of entry stage and guides them through the entire period of the course duration till the mentee completes the course.

## 2. PROFILE

### 2.1 BASIC INFORMATION

Name and Address of the College	
Name	SREE NARAYANA INSTITUTE OF TECHNOLOGY
Address	SREE NARAYANA INSTITUTE OF TECHNOLOGY THEPPUPARA, EZHAMKULAM, ADOOR, PATHANAMTHITTA
City	Adoor
State	Kerala
Pin	691554
Website	<a href="http://www.snit.edu.in">www.snit.edu.in</a>

Contacts for Communication					
Designation	Name	Telephone with STD Code	Mobile	Fax	Email
Principal	Shaji Mohan B.	0473-4244700	9497335566	0473-4243400	iqaccoord@snit.edu.in
IQAC / CIQA coordinator	Lekshmi R. Nair	0473-4244900	9744525566	0473-4243400	iqac@snit.edu.in

Status of the Institution	
Institution Status	Private and Self Financing

Type of Institution	
By Gender	Co-education
By Shift	Regular Day

Recognized Minority institution	
If it is a recognized minority institution	No

<b>Establishment Details</b>				
<b>State</b>	<b>University name</b>	<b>Document</b>		
Kerala	A.P.J. Abdul Kalam Technological University	<a href="#">View Document</a>		
<b>Details of UGC recognition</b>				
<b>Under Section</b>	<b>Date</b>	<b>View Document</b>		
2f of UGC				
12B of UGC				
<b>Details of recognition/approval by stationary/regulatory bodies like AICTE,NCTE,MCI,DCI,PCI,RCI etc(other than UGC)</b>				
<b>Statutory Regulatory Authority</b>	<b>Recognition/Approval details Institution/Department programme</b>	<b>Day,Month and year(dd-mm-yyyy)</b>	<b>Validity in months</b>	<b>Remarks</b>
AICTE	<a href="#">View Document</a>	02-06-2022	12	AICTE EoA

<b>Recognitions</b>	
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

<b>Location and Area of Campus</b>				
<b>Campus Type</b>	<b>Address</b>	<b>Location*</b>	<b>Campus Area in Acres</b>	<b>Built up Area in sq.mts.</b>
Main campus area	SREE NARAYANA INSTITUTE OF TECHNOLOGY THEPPUPARA, EZHAMKULAM, ADOOR, PATHANAMTHITTA	Rural	10.5	32332.34



## 2.2 ACADEMIC INFORMATION

Details of Programmes Offered by the College (Give Data for Current Academic year)						
Programme Level	Name of Programme/Course	Duration in Months	Entry Qualification	Medium of Instruction	Sanctioned Strength	No.of Students Admitted
UG	BTech,Civil Engineering	48	HSC	English	60	28
UG	BTech,Electrical And Electronics Engineering	48	HSC	English	60	23
UG	BTech,Electronics And Communication Engineering	48	HSC	English	60	29
UG	BTech,Mechanical Engineering	48	HSC	English	60	26
UG	BTech,Mechanical Engineering Automobile	48	HSC	English	60	25
PG	Mtech,Civil Engineering	24	B.E. or B.TECH.	English	18	3
PG	Mtech,Mechanical Engineering	24	B.E. or B.TECH.	English	9	0
PG	MBA,Management	24	Any DEGREE	English	60	27

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

**Self Study Report of SREE NARAYANA INSTITUTE OF TECHNOLOGY**

<b>Teaching Faculty</b>												
	<b>Professor</b>				<b>Associate Professor</b>				<b>Assistant Professor</b>			
	Male	Female	Others	Total	Male	Female	Others	Total	Male	Female	Others	Total
Sanctioned by the UGC /University State Government	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	4				2				67			
Recruited	4	0	0	4	0	2	0	2	29	38	0	67
Yet to Recruit	0				0				0			

<b>Non-Teaching Staff</b>				
	<b>Male</b>	<b>Female</b>	<b>Others</b>	<b>Total</b>
Sanctioned by the UGC /University State Government				0
Recruited	0	0	0	0
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				5
Recruited	2	3	0	5
Yet to Recruit				0

<b>Technical Staff</b>				
	<b>Male</b>	<b>Female</b>	<b>Others</b>	<b>Total</b>
Sanctioned by the UGC /University State Government				0
Recruited	0	0	0	0
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				15
Recruited	11	4	0	15
Yet to Recruit				0

**Qualification Details of the Teaching Staff**

<b>Permanent Teachers</b>										
<b>Highest Qualification</b>	<b>Professor</b>			<b>Associate Professor</b>			<b>Assistant Professor</b>			<b>Total</b>
	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.	3	0	0	0	0	0	1	2	0	6
M.Phil.	1	0	0	0	0	0	1	2	0	4
PG	0	0	0	0	2	0	27	34	0	63
UG	0	0	0	0	0	0	0	0	0	0

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

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

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

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

**Self Study Report of SREE NARAYANA INSTITUTE OF TECHNOLOGY**

<b>Programme</b>		<b>From the State Where College is Located</b>	<b>From Other States of India</b>	<b>NRI Students</b>	<b>Foreign Students</b>	<b>Total</b>
UG	Male	67	0	39	0	106
	Female	19	0	6	0	25
	Others	0	0	0	0	0
PG	Male	6	0	0	0	6
	Female	24	0	0	0	24
	Others	0	0	0	0	0
Diploma	Male	35	0	0	0	35
	Female	8	0	0	0	8
	Others	0	0	0	0	0

<b>Provide the Following Details of Students admitted to the College During the last four Academic Years</b>					
<b>Category</b>		<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Year 4</b>
SC	Male	1	1	2	3
	Female	0	0	0	1
	Others	0	0	0	0
ST	Male	0	0	0	0
	Female	0	0	0	0
	Others	0	0	0	0
OBC	Male	3	6	4	10
	Female	11	9	11	8
	Others	0	0	0	0
General	Male	58	66	59	132
	Female	40	49	32	50
	Others	0	0	0	0
Others	Male	0	1	1	1
	Female	0	1	1	2
	Others	0	0	0	0
Total		113	133	110	207

### **Institutional preparedness for NEP**

<p>1. Multidisciplinary/interdisciplinary:</p>	<p>The Vision and Mission of this institution comprises multidisciplinary concepts of learning experiences towards evolving into a center of excellence in Technology and Management. The institution has robust groups of STEM integrating into the vision and mission. However, the institution is having very limited roles in the design of the curriculum. This hurdle is being overcome through enabling the teachers and the students to embrace multidisciplinary courses/topics with the help of MOOC programs offered by COURSERA, EDEX, UDEMY, AND NPTEL. Teachers of the institution are also encouraged to undergo Professional Development Program in NEP offered by IGNOU.</p>
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	<p>Thus, the institution is prepared itself for NEP 2020.</p>
<p>2. Academic bank of credits (ABC):</p>	<p>This institution is affiliated to APJ Abdul kalam Technological University. That has a credit system for various courses. A unique feature of curriculum the under-graduate program in the university is that it offers a credit bank so that the students who fulfill the same can earn an honours degree within the same length of the academic period. The institution encourages teachers to design and develop independent add-on courses of their expertise with a view to offering enhanced learning opportunities beyond boundaries.</p>
<p>3. Skill development:</p>	<p>SNIT, Adoor has framed its strategic plan for imparting overall humanistic skill set for our students. Invited expert talks and webinars provide ample opportunities for our students to THINK BEYOND BOUNDARIES. Internships and industrial visits which are integral parts of the curriculum provide opportunities for OUTBOUND LEARNING EXPERIENCES. The National Service Scheme, Women cell and Eco Club sensitize students with gender equality, social commitments, environment wellbeing and sustainable development. A notable service in this direction was the involvement of the institution in implementing SAGI project of Government of India. The institution focuses on holistic and humanistic development of the student community. Several programs are being integrated throughout the academic sessions that ensure National values, Ethical values and Cultural values among the students. Efforts are taken with the objective that a true professional must also be knowledgeable about his/her obligations and fundamental duties as a citizen. SNIT Adoor also offers Add-on courses enabling students with Design Thinking. The institution is having an MoU with Additional Skill Acquisition Program (ASAP) Kerala with the above objectives.</p>
<p>4. Appropriate integration of Indian Knowledge system (teaching in Indian Language, culture, using online course):</p>	<p>SNIT Adoor has its student community mostly from the rural backdrop of the district. The students are mostly the first generation in their families to the Universities. Therefore, a bilingual mode of teaching delivery is adopted in order to ensure effective learning process. A unique achievement in embracing traditional Indian knowledge is that the Institution has cooperated with the Art of Living Foundation in</p>

	<p>training all the staff and students with SUDARSHANA KRIYA YOGA. The program enabled students and staff to relish the nectar of peace and harmony in their personal life.</p>
5. Focus on Outcome based education (OBE):	<p>SNIT Adoor as an affiliated Institution has very little role in altering the curriculum framework of the courses. The affiliating university (KTU) has designed the curriculum in OBE framework with specific POs and COs. However, the teaching departments in the institution have been incorporating additional COs and POs wherever possible in order to ensure specific learning outcomes for the students. It is felt that the OBE framework of the university and the institution are in tune with NEP 2020.</p>
6. Distance education/online education:	<p>SNIT Adoor has realized the robustness of online platforms in reaching out to students during Covid pandemic period. It was a paradigm shift for the teachers from the comfort zone of classroom face to face mode of teaching to the distance mode of teaching delivery. However, all the teachers have taken pain to acquire expertise in using various platforms for teaching transactions during the period. Subsequently, most of the teachers have started thinking BEYOND BOUNDARIES so that their expertise and teaching skill sets can be extended not only to the students in the institution but also to the needy students around the globe. Thus a few teachers have started You Tube channels offering specific courses of curriculum which attracted large number of students around the globe. A unique achievement is that one of such members of the faculties offered two courses through the platform UDEMY which reached 96 countries attracting students who speak 23 native languages. Another achievement of the institution is that it could offer more than 6000 courses free of cost to the students through COURSERA.</p>

**Institutional Initiatives for Electoral Literacy**

1. Whether Electoral Literacy Club (ELC) has been set up in the College?	<p>Of late, an Electoral Literacy Club (ELC) has been formed in the institution as part of the observation of National Electoral Literacy day on 25th January</p>
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	2023.
2. Whether students' co-ordinator and co-ordinating faculty members are appointed by the College and whether the ELCs are functional? Whether the ELCs are representative in character?	A proceedings has been released by the Head of the Institution (HoI) constituting ELC in the institution. ELC has representation from different stake holders such as staff, students and parents. It functions in close liaison with the NSS unit in the institution.
3. What innovative programmes and initiatives undertaken by the ELCs? These may include voluntary contribution by the students in electoral processes-participation in voter registration of students and communities where they come from, assisting district election administration in conduct of poll, voter awareness campaigns, promotion of ethical voting, enhancing participation of the under privileged sections of society especially transgender, commercial sex workers, disabled persons, senior citizens, etc.	SNIT Adoor has been encouraging students to get involved in the democratic process of the country. The elections to the college student's union have been meticulously managed with the full participation of the students so that they experience democratic processes of governance on real time basis. The importance of people's participation in a democratic system as per the constitution of India has been very well explained to the students during the observance of the National Days. The ELC has agenda to take up various activities with in and outside the institution promoting the importance of participation in the democratic processes. The club has a perspective plan to involve all the stake holders in the neighborhood communities with its action agendas.
4. Any socially relevant projects/initiatives taken by College in electoral related issues especially research projects, surveys, awareness drives, creating content, publications highlighting their contribution to advancing democratic values and participation in electoral processes, etc.	The ELC of the institution has formulated an action agenda in its perspective plan for the said domains.
5. Extent of students above 18 years who are yet to be enrolled as voters in the electoral roll and efforts by ELCs as well as efforts by the College to institutionalize mechanisms to register eligible students as voters.	This institution has a student community in the age group of 18 and above. Most of them are registered in the electoral roll in their respective constituencies However, awareness generation programs are organized with a view to strengthening their motives as very powerful stakeholders in the democratic process of the country.

## Extended Profile

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### 1 Students

#### 1.1

Number of students year wise during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
481	541	636	748	751
File Description		Document		
Institutional data in the prescribed format		<a href="#">View Document</a>		

### 2 Teachers

#### 2.1

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

**Response: 169**

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

#### 2.2

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

2021-22	2020-21	2019-20	2018-19	2017-18
73	78	77	83	97

### 3 Institution

#### 3.1

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

2021-22	2020-21	2019-20	2018-19	2017-18
325.54	272.00	433.37	447.36	430.81

## **4. Quality Indicator Framework(QIF)**

### **Criterion 1 - Curricular Aspects**

#### **1.1 Curricular Planning and Implementation**

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

###### **Response:**

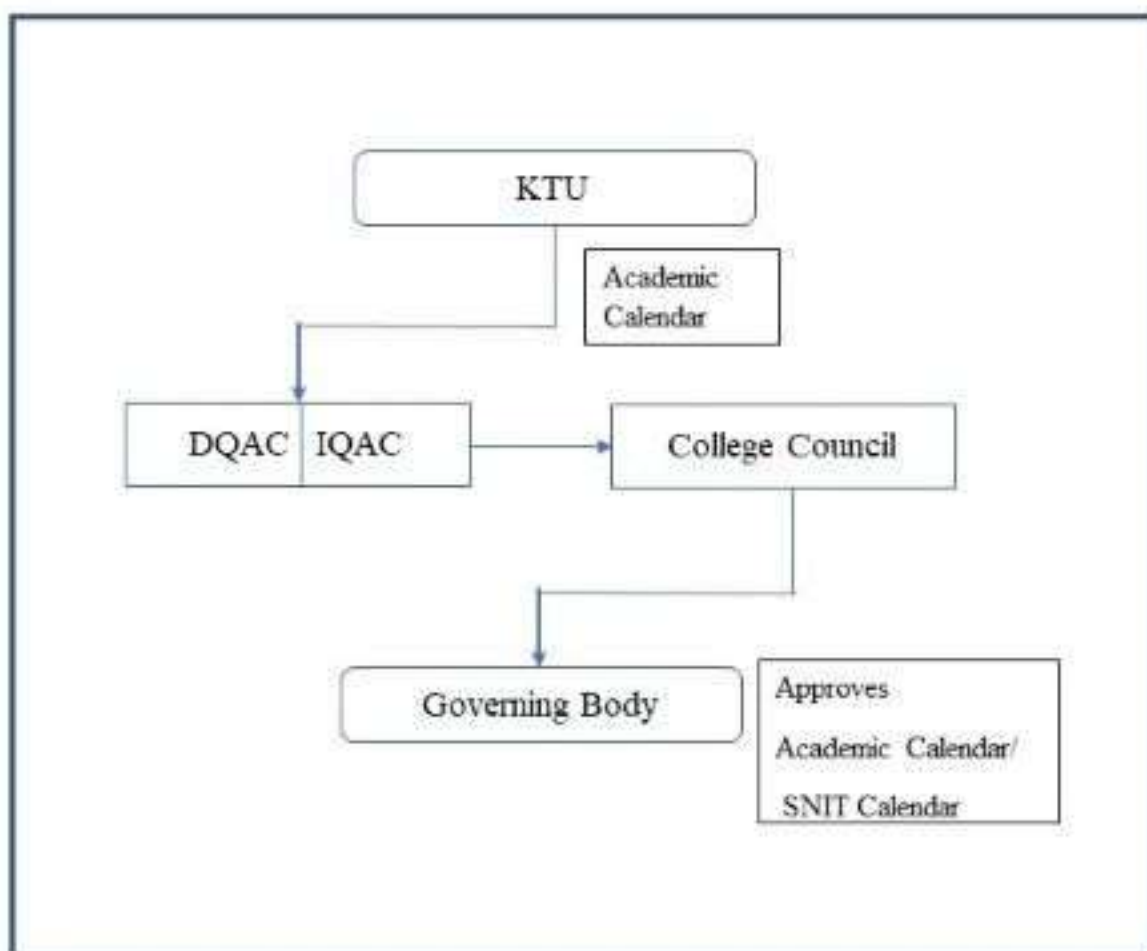
SNIT, Adoor, Pathanamthitta District, Kerala, is managed by Pattayil Kunjukunju Memorial Charitable trust. This college is affiliated to APJ Abdul Kalam Technological University and approved by AICTE. SNIT started functioning in 2011. The institute follows a systematic practice in developing, deploying and monitoring effective curriculum delivery in the following manner:

1. The governing body of the college has been constituted as per the statute of Kerala Technological University and functions as the authority of policy formulation and implementation. The college council comprising the heads of the departments and the Department Advisory Committees (DACs) are entrusted with effective curriculum delivery. DQAC and IQAC ensure academic quality assurance.
2. Schedule of academic transaction are given by the University through its academic calendar. Based on this, the Head of Academics prepares an academic calendar (semester-wise academic schedule). The institute prepares a schedule for academics based on the University calendar.
3. IQAC/DQAC ensures final course and programme attainments as per the CO/PO.
4. Members of faculty prepare a course plan for effective curriculum transactions.
5. The academic calendar and schedule of internal assessment are uploaded in LINWAYS (campus management software) and can easily be accessed by the students and parents. Course files including syllabus, course plan, teaching materials such as tutorials, assignments, internal test question papers, sample papers and previous year's University question papers are prepared and maintained by the faculty members. Lab manuals are prepared to incorporate detailed procedures for conducting experiments.
6. Apart from regular classes, seminars are conducted to enhance the presentation and communication skills of students.
7. Academic Committee prepares the academic calendar and monitors the functioning of course committees and class committees.
8. The course committee monitors the conduct of the courses, adherence to the course plans and schedule, completion of the syllabus, standards of internal tests, and evaluation process and takes suitable remedial actions regarding the curriculum delivery
9. The Internal Quality Assurance Cell (IQAC) approves the course plan for various courses and the exam cell scrutinizes the question papers submitted for continuous evaluation.
10. The class committee monitors the conduct of all the courses, the overall performance of the students, faculty feedback, placements and industrial visits, and other grievances faced by the students and takes suitable remedial actions at the appropriate time.
11. Remedial classes are conducted for slow- learners, beyond normal academic hours.
12. Student feedback are done twice a semester and analysed for enhancement of teaching effectiveness.
13. The progress of the final year projects is monitored regularly and the report is maintained by the

respective guide/project coordinator.

14. Faculty members are permitted to attend various training programmes and the college arranges in-house training programs to update their knowledge base and enhance teaching skills.
15. Institute has set up committees like Department Associations, DQAC, TQM, TBI, IEEE, Course Committee and Class Committee for ensuring effective curriculum planning and delivery. End semester evaluation is carried out by the University.

**Effective curriculum delivery process**



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

## 1.2 Academic Flexibility

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

**Response: 15**

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

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

**Response: 22.96**

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

2021-22	2020-21	2019-20	2018-19	2017-18
150	130	166	142	137

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

### 1.3 Curriculum Enrichment

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

**Response:**

Kerala Technological University has implemented a unique policy to incorporate essential values of professional ethics, gender, human values, environment awareness and sustainable practices into the curriculum as per the SDG of the United Nations. HUT200 Professional Ethics, MCN202 Constitution of India, HUN101 Life Skills, MCN301 Disaster Management, MCN201 Sustainable Engineering from 2019 scheme and 03RM6001 Research Methodology, HS210 Life Skills, BE103 Introduction to Sustainable Engineering from 2015 scheme are examples of such initiatives. The above courses/topics form part of credit /non-credit courses of the curriculum and the institution has taken all the steps periodically to develop the capability of the faculty members through the conduct of FDPs. The institution believes that integrating cross-cutting issues with the curriculum would positively affect the students in their learning process.

The institute has always been a pioneer in making voluntary human rights and equality efforts and focuses on “Socio-Economic and Environmental Outlook”. A Community Service Centre functions with the vision of offering technical and scientific support for the socio-economic development of people, especially the

underprivileged and the marginalized sections of society. Other cells functioning in this regard include NSS, Women’s Cell and Department Associations.

**Professional Ethics:** This course is introduced to the students with a vision to ensure a positive perspective towards a career among the students, trustworthy interaction with the world and allows the students to be completely ready to face the professional world. To ensure professional ethics and code of conduct, University follows Policy Guidelines for Plagiarism Prevention that all research material/assignments originating from students and faculty should be original and not plagiarized from any source. To ensure the same, all research materials to be sent for publication, are first checked for originality using “Turnitin plagiarism software”.

**Gender Equality:** Gender sensitivity is one of the key principles of the college from its inception as a co-educational institution. SNIT Adoor is an equal opportunity institution. The NSS unit and Women’s Cell take up gender, health and human rights issues by arranging special programmes. Stage Plays and Self-defense workshops have been organized in the College.

**Environment & Sustainability:** The College is committed to striving toward the idea of a green campus and has developed a holistic and integrated approach to campus management, involving student participation and administrative contributions.

**Human Values:** The NSS Wing focuses its activities on three key sectors of providing equal rights, access and opportunities to the underprivileged: education, health, and work for society. Various health camps and cleanliness drives across campus and slum areas have been taken out to create awareness and motivate people to work towards a clean environment. Some teachers in this institution have earned Certificates of successful completion of a structured course in Universal Human Values offered by AICTE New Delhi. The Statutory Body offered the course with a view to introducing it as part of the curriculum. Another member of faculty has also earned certificate of successful completion of a course in Bhagavad Gita in line with the NEP 2020 for introducing Indian knowledge systems.

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

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

**Response:** 37.84

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

**Response:** 182

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

## 1.4 Feedback System

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

**Response:** Yes

<b>File Description</b>	<b>Document</b>
Upload supporting document	<a href="#">View Document</a>

## Criterion 2 - Teaching-learning and Evaluation

### 2.1 Student Enrollment and Profile

#### 2.1.1 Enrolment percentage

**Response:** 38.18

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

2021-22	2020-21	2019-20	2018-19	2017-18
113	133	110	207	186

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

2021-22	2020-21	2019-20	2018-19	2017-18
387	387	396	396	396

#### File Description

#### Document

Upload supporting document

[View Document](#)

Institutional data in the prescribed format

[View Document](#)

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

**Response:** 21.02

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

2021-22	2020-21	2019-20	2018-19	2017-18
40	37	28	50	51

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



2021-22	2020-21	2019-20	2018-19	2017-18
193	193	198	198	198

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

## 2.2 Student Teacher Ratio

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

**Response:** 6.59

## 2.3 Teaching- Learning Process

### 2.3.1 Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experiences using ICT tools

#### Response:

The curriculum of the B. Tech program focuses on student-centric learning. Each course is divided into Lecture/Tutorial/ Practical sessions on a ratio of 3:1:2 with certain exceptions. Tutorial sessions in this institution focuses on teaching transactions through student centric-problem solving strategies. The practical sessions in every subject impart experimental learning. In addition to group assignments, minor & major courses and projects are given to impart participative learning experiences. It has 20% weightage in continuous evaluation. Also, internship and industrial visits are mandatory to acquire hands-on knowledge in experimental learning. A student must get compulsorily 100 Activity points that account for 2 Credits during the course period to pass the B. Tech Program. The internship and the industrial visit offer activity points 20 and 10, respectively.

#### Experiential learning

- ◆ Students are exposed to entrepreneurship through SNIT - Technology Business Incubator (TBI) and motivated to work on small projects that train them in identifying societal issues. TBI promotes start-up initiatives through the students. They learn the process of preparation of proposals and budgets with a broad understanding of the costs involved.
- ◆ Multimedia teaching aids like videos, online materials and PPTs are incorporated into the day-to-day teaching-learning process to enhance the students' understanding of the subject.
- ◆ Webinars from experts within/outside India that augments the students to enhance their knowledge and skills are organized regularly in our college.
- ◆ A Language laboratory has been established for students to improve their English language proficiency. Soft Skills training slots are included in the timetable to improve their presentation and

communication skills.

- ♦ Students are encouraged to organize and participate in Inter-collegiate events such as symposiums and project contests to strengthen their leadership skills and intellectual potential.

### Participative learning

- ♦ In participative learning, the students are given topics of both academic and practical importance. They are divided into groups and asked to read various articles or write-ups and then analyze and reflect on them. It allows them to conceptualize the theoretical aspects.
- ♦ Along with classroom teaching and laboratory experiment-based learning, the students get ample opportunities to design major projects.

### Problem-solving methodologies:

- ♦ Tutorial classes are provided as a part of a problem-solving methodology in which problems at different levels are solved.

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

## 2.4 Teacher Profile and Quality

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

**Response:** 100

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

2021-22	2020-21	2019-20	2018-19	2017-18
73	78	77	83	97

<b>File Description</b>	<b>Document</b>
Upload supporting document	<a href="#">View Document</a>

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

**Response:** 6.86

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

2021-22	2020-21	2019-20	2018-19	2017-18
5	5	6	6	6

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

## 2.5 Evaluation Process and Reforms

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

#### Response:

#### CONTINUOUS INTERNAL EVALUATION (CIE)

CIE for B. Tech, M. Tech & M.B.A. programs are done as per the guidelines issued by the University, including written examinations and assignments. For B. Tech programs, marks for CIE are 50. Examination dates and the academic calendar are announced in advance at the beginning of the academic session. Internal examinations are conducted centrally and module-wise under the supervision of the Chief Examination Officer (CEO). Teachers submit 2 sets of question papers as per Bloom's Taxonomy, scrutinized by the Department Expert Committee (DEC), and submitted to the CEO. Teachers share the valuation scheme and value points of questions with the students and make them aware of the key points and marking scheme. This indicates transparency and robust features of internal assessment. A similar procedure is adopted for the evaluation of assignments and follows a definite structure in the curriculum for CIE of Lab courses.

#### TERMINAL EXTERNAL EVALUATION (TEE)

Terminal External Examination of all the courses is conducted under the direct supervision of the Controller of Examination (CoE) of the University

#### GRIEVANCE REDRESSAL SYSTEM (GRS)

The following strategies make examination-related grievances transparent, time-bound and efficient.

#### Institution Level

- ♦ Grievance regarding the internal assessment tests is handled by the subject teacher concerned and the Heads of departments consider them at the department level. They shall have initial jurisdiction

over complaints against Continuous Internal Assessment.

- ♦ The College-level committee shall hear appeals against Department Level decisions and the University Level Committee shall hear appeals against College Level decisions.
- ♦ The internal progress report is signed by the student and parent, if any grievances are there, they can be resolved and submitted by the faculty concerned to the department and a copy of the same is uploaded to the LINWAYS SOFTWARE(LMS).
- ♦ The structure of GRS is given in the Institutional MOP Clause 14.13.

### University Level

The university announces the examination results through its website.

- ♦ **Photocopy Answer Sheet:** If students are not satisfied with the valuation, they can apply for a photocopy of the answer sheet after paying the required fees. The university will send the answer sheet online to the student through the college. The received answer sheet can be valued again by the concerned subject, and if the marks scored don't match with the university marks, it can be reported to the university, on which appropriate action will be taken. This process will be completed within a month after publishing the results.
- ♦ **Revaluation:** The students, if not satisfied with the valuation, can apply for revaluation after paying the required fees. This process will be completed within two months after publishing the results.

A provision has been enabled in the institutional website for registering grievances. The path in the Homepage is ABOUT US --> GRIEVANCES.

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

## 2.6 Student Performance and Learning Outcomes

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

#### Response:

The university aims at molding learners into skillful engineers on completion of different academic programmes. The university has announced the Programme Educational Objectives (PEOs), Programme Outcomes (PO), and Programme Specific Outcomes (PSO) and the same have already been published on the website of the institution. Program such as B.Tech, M.Tech, and MBA have a number of courses in the curriculum. Every course has a set of course objectives. The University has specified definite course objective for every courses. The institution is at liberty to add more course objectives.

The institution has taken special care to adhere to the attainment of the PO/CO announced by the university. At the end of all the courses/programs, PO and CO attainment are evaluated by the academic department concerned and remedial measures are taken where ever required.

For more details, please refer to the additional information uploaded.

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

## 2.6.2 Pass percentage of Students during last five years

**Response:** 80.97

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

2021-22	2020-21	2019-20	2018-19	2017-18
110	146	215	122	160

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

2021-22	2020-21	2019-20	2018-19	2017-18
179	170	222	164	195

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

## 2.7 Student Satisfaction Survey

### 2.7.1 Online student satisfaction survey regarding teaching learning process

**Response:** 3.82

File Description	Document
Upload database of all students on roll	<a href="#">View Document</a>



## Criterion 3 - Research, Innovations and Extension

### 3.1 Resource Mobilization for Research

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

**Response:** 3

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

2021-22	2020-21	2019-20	2018-19	2017-18
0	3.00	0	0	0

**File Description**

**Document**

Upload supporting document

[View Document](#)

Institutional data in the prescribed format

[View Document](#)

### 3.2 Innovation Ecosystem

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

**Response:**

SNIT Adoor has developed and established a well-defined ecosystem for innovation, inception and transfer of knowledge in engineering and management. The institution has a functional system of Innovation Entrepreneurship and Development Centre (IEDC) and Technology Business Incubator (TBI). The basic idea is to promote thinking beyond boundaries among students and staff. The TBI collaborates with different government and non-governmental organizations. Training and skill upgradation for staff members and students are a regular feature of IEDC AND TBI. Academic departments promote design-thinking so that students undertake implementable projects, solving need-based problems in society. Such projects attracted recognition from the Kerala state start-up mission and financial support from government agencies. For instance, the pilot project Fire-Retardant Drone gained financial support from the state disaster management authority for developing the prototype. Box Energy and Hydro Rescue System were other projects that attracted financial support for developing prototypes. An Internet of Things (IoT) based project for managing traffic systems at Pathanamthitta Dist. headquarters attracted public attention. Another project for cleaning water bodies has widely been acclaimed as a technical prototype of social relevance. TBI takes up initiatives by assigning different roles to engineering /management students, such as Chief executive officer (CEO), Chief Product Officer (CPO), Chief Finance Officer (CFO) and Chief Marketing Officer. It ensures a real-time experience in the start-up ecosystem Students and teachers are also encouraged to publish their innovative works in peer-reviewed indexed journals. SNIT Adoor has also

taken initiatives to promote a start-up ecosystem enabling engineering and management students to get hands-on exposure in initiating, incubating and managing start-ups. The institution has also entered several MoUs for gaining and transferring knowledge in technology and management domains.

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

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

**Response:** 28

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

2021-22	2020-21	2019-20	2018-19	2017-18
6	9	5	4	4

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

## **3.3 Research Publications and Awards**

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

**Response:** 0.42

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

2021-22	2020-21	2019-20	2018-19	2017-18
24	15	15	8	9



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

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

**Response:** 0.2

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

2021-22	2020-21	2019-20	2018-19	2017-18
18	3	9	1	2

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

## 3.4 Extension Activities

Organ	Activities	Impact
NSS	<ul style="list-style-type: none"> <li>◆ Basic survey</li> <li>◆ Awareness campaign</li> <li>◆ Natural disaster response and reconstruction</li> </ul>	<ul style="list-style-type: none"> <li>◆ Understanding the community.</li> <li>◆ Sensitising the community on no–open defecation, waste management, plastic recycling, water, and</li> </ul>

		<p>environment protection, sanitization.</p> <ul style="list-style-type: none"> <li>◆ Support the government for natural disaster relief.</li> <li>◆ Life Support.</li> </ul>
<b>SNIT STAFF CLUB</b>	Charity services	<ul style="list-style-type: none"> <li>◆ Home for homeless.</li> <li>◆ Hand free Sanitizer distribution at public places.</li> <li>◆ Kidney replantation.</li> <li>◆ Immunity tablet distribution.</li> <li>◆ Midday meals to patients in government hospitals and orphanages.</li> <li>◆ Dress to needy</li> <li>◆ Learning Aid</li> </ul>
<b>Department Association</b>	<ul style="list-style-type: none"> <li>◆ Technical support</li> <li>◆ Awareness campaign</li> </ul>	<ul style="list-style-type: none"> <li>◆ <b>Road safety campaign:</b> Department of Automobile Engineering.</li> <li>◆ <b>Energy efficiency and security campaign:</b> Department of Electrical and Electronics Engineering</li> <li>◆ <b>Paper-pen distribution:</b> Department of Civil Engineering.</li> <li>◆ <b>Seminar on Drone assembly and DC motors:</b> Department of Electronics and Communication Engineering.</li> </ul>

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

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

#### Response:

SNIT Adoor has joined hands with the Member of Parliament, Pathanamthitta in implementing the

prestigious program titled Sansad Adarsh Gram Yojana (SAGY) announced by the honourable PM of India. The scheme aimed to develop an ideal village into reality in our area. The institution has identified Kadambanand Grama panchayat and associated with the initiation, development, planning and implementation of the scheme. The idea was to associate with a national initiative which was a demand-driven people’s participatory scheme. The students and staff were highly motivated and enthusiastic in assisting the scheme. The institution was recognized with a commendation certificate and awarded by Union Govt. of India and Certified by the Vice-Chairman, AICTE for the result-oriented association with SAGY in the year 2017.

SNIT Adoor recieved Educational Institutional Level Award for implementing Renewable Energy Systems. Kerala state Renewable Energy Commendation Certificate 2018 in category of educational institutions was given by chief minister Shri.Pinarayi Vijayan to Assistant Professor Shayam Krishnan, from EEE department SNIT Adoor. As a part of which, the institution owns 50kW capacity solar power plant. This installation unit is capable of producing 6000 unit per month which eventually reduces electricity bill by 4.5 lakhs approximately.

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

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

**Response:** 45

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

2021-22	2020-21	2019-20	2018-19	2017-18
11	7	7	10	10

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

**3.5 Collaboration**

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

**Response: 22**

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

## Criterion 4 - Infrastructure and Learning Resources

### 4.1 Physical Facilities

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

**Response:**

- ♦ **Campus:** SNIT Adoor has a sprawling and aesthetically landscaped campus of more than 15 acres (Latitude-9.1°/ Longitude-76.7°) on the lap of the *Cheerankunnu hills* of Theppupara.
- ♦ **Infrastructure:** All buildings are elegantly designed, engineered with precision, exquisitely finished and ergonomically furnished. The academic and administrative sections are housed in the main building. There are 41 well-furnished classrooms (An average of 90 square meter each). A few of them are ICT-enabled classrooms. Workshops and laboratories are housed in separate buildings and linked through aerial passages. Sufficient exit and entry passages are provided to mitigate any emergency.
- ♦ **Library Facilities:** The central library (456.875 square meter) and department libraries (volume -210 - titles 141) are housed in the main building. Digital library facilities are provided through DELNET, NDL, and KNIMBUS. The central library consists of **22271 volumes** and **6258 titles**.
- ♦ **Computer Facilities:** The central computer facilities with 300 nodes and 100 Mbps broadband connectivity are provided for academics.
- ♦ **Auditorium and Conference Halls:** The main and the mini auditorium with a combined capacity of 2750 seats are housed in the laboratory buildings. The AC conference hall has a seating capacity of 200 and all the teaching departments (an average capacity of 150 seats) have their own seminar halls.
- ♦ **Canteen & Cafeteria:** College canteen (681.259 square meter) has a capacity to cater to 150 people at a time housed in a standalone building. Other two coffee huts are located in the main building and the laboratory building.
- ♦ **Facilities for Extracurricular Activities:** Gymnasium, Yoga Hall, Swimming pool, Volleyball, Basketball, football, and cricket court are provided on the campus to cater to the extracurricular activities of the students.
- ♦ **Transportation Facilities:** The institution operates 15 buses/ vans along different routes spanning in 3 adjoining districts. This facility enables students/ staff/ parents to reach the institution hassle free.

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

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

**Response:** 8.16

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

2021-22	2020-21	2019-20	2018-19	2017-18
28.05	11.71	35.08	35.73	45.28

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

**4.2 Library as a Learning Resource****4.2.1 Library is automated using Integrated Library Management System (ILMS), subscription to e-resources, amount spent on purchase of books, journals and per day usage of library****Response:**

SNIT ADOOR Central Library is fully automated with an Integrated Library Management System (ILMS) known as **GRANDHA 2.5**. the library is subscribing large volumes of e-resources through commercial paid platform known as DELNET. In addition to the above the library subscribes to National Digital Library System (NDL) and KNIMBUS. The recent platform KNIMBUS is expected to transform our library experiences for a digital future. KNIMBUS has made it possible to do a one-point search across resources and access the library at any time, from anywhere and on any device. It has been noted that staff and students of SNIT have been widely using the above e-resources for their preparation, project reports, seminars and so on.

The library has a collection of a total no of 6258 Titles, 22271 volumes and 66 Journals in the central and MBA Libraries. The digital library system is powered by 40 standalone terminals which can be logged on to the internet connectivity. It has been assessed from the library logs that an average of 60 visits are there in the libraries a day. A total of Rs. 1338406/- have been incurred as library expenses during the last financial year (2021-2022) towards purchase of book, journals, e facilities etc. The library has also subscription to a few dailies and other periodicals.

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

**4.3 IT Infrastructure**

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

##### Response:

Information technology is widely accepted as an effective tool for ensuring the efficiency of educational transactions. Online learning and remote training are new additions to this spectrum. SNIT has taken a series of steps as explained below for enabling technology-friendly services to students, teachers and parents. Further applications, payments and evaluations are also affected through online modes.

The college has 100Mbps internet connectivity (with wired and Wi-Fi hotspots with extenders). Our college campus networking uses coaxial cables (CAT6) and fibre optic cables. All computers on the campus are connected to the internet as it is essential for them to work, also surplus Ethernet ports are provided for laptops or other devices in need of internet connectivity. The college has developed an environment for the creation and augmentation of IT infrastructure to promote good teaching and learning atmosphere. The college has online software support services for students, parents and teachers. The teachers can upload internal exam marks, attendance and notes. The students and parents can access these services online, whereby parents can monitor their ward's performance. Also, there are online applications for staff regarding marking their attendance and for leave applications. The computer centre in our college helps both the students and faculty members to utilize the internet facility as per their necessity and enrich their level of knowledge.

The college is facilitated with 312 computers that are accessible to the students as well as the teachers for academic and co-curricular purposes. Printers are arranged in the office, staffrooms, library, exam cell and laboratories. A total of 18 printers are arranged in the whole college for the functioning. The library is fully equipped with a book-tracking facility through GRANDHA software.

Our college has a Virtual project server with the domain name **snit.edu.in**. The IT infrastructure helps to conduct online bank exams, gate exams and other competitive exams. Further steps are being taken to enable an online distributed teaching-learning process through MOODLE.

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

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

Response: 1.98

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

Response: 243

File Description	Document
Upload supporting document	<a href="#">View Document</a>

#### 4.4 Maintenance of Campus Infrastructure

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

**Response:** 39.15

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

2021-22	2020-21	2019-20	2018-19	2017-18
104.62	76.35	158.95	200.46	206.95

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



## Criterion 5 - Student Support and Progression

### 5.1 Student Support

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

**Response:** 72.54

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

2021-22	2020-21	2019-20	2018-19	2017-18
448	496	521	513	312

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

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

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

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

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

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

**Response:** 34.53

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

2021-22	2020-21	2019-20	2018-19	2017-18
188	240	245	185	232

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

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

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

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

File Description	Document
Upload supporting document	<a href="#">View Document</a>

## 5.2 Student Progression

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

**Response:** 17.1

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

2021-22	2020-21	2019-20	2018-19	2017-18
28	43	35	22	31

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

2021-22	2020-21	2019-20	2018-19	2017-18
179	170	222	164	195

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

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

**Response:** 66.67

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

2021-22	2020-21	2019-20	2018-19	2017-18
1	0	0	1	0

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

2021-22	2020-21	2019-20	2018-19	2017-18
1	0	0	2	0

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

## 5.3 Student Participation and Activities

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

**Response:** 2

#### 5.3.1.1 Number of awards/medals for outstanding performance in sports/cultural activities at

*national/international level (award for a team event should be counted as one) year wise during the last five years*

2021-22	2020-21	2019-20	2018-19	2017-18
0	0	0	0	2

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

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

**Response:** 7.8

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

2021-22	2020-21	2019-20	2018-19	2017-18
5	1	4	16	13

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

## 5.4 Alumni Engagement

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

**Response:**

An Alumni Association SOUHRIDA SNIT ADOOR ALUMINI ASSOCIATION has been functioning in this institution for the last few years. It has a very well-structured MoU, objectives and system for functioning. Alumnus who pay a lifetime membership fee of Rs. **1000/-** for the general body. Annual general body is usually conducted offline/online during every year. Office bearers are elected from the general body for a tenure of 2 years. The current chief functionaries are Dr. Shaji Mohan B. (President), Anju Thulasi (Secretary), Karthika Nair (Treasurer).

The main objective of the alumni association is to establish a harmonious relation between alumni, faculty, staff and current students of the institution and to establish a good relation as well as interaction between alumni and current students. The alumni interact with the current students, through visits and various online and offline programs, giving information about industrial opportunities, emerging areas and employment opportunities in the area which they know well through their career. Apart from that, they are focusing on the wellbeing of the members, of the alumni and also the general improvement of our institution. Involvements of alumni are instrumental in organizing various Motivational Talks, Seminars, Workshops and Career Guidance Classes etc. to their juniors. Institution is organizing different activities by inviting alumni whose involvement is beneficial and it also rejuvenates the teaching learning process.

Our alumni contribution engaged in different areas such as sharing their corporate experience and motivates the students to bridge the gap between academia and industry and also sharing the opportunities which generated in the field and companies in which they are currently working, apprising the current trends and future scopes in the area by discussions / seminars though the interactive sessions between them, creating internship opportunities for students in the field and promoting Institution events widely, Supporting social responsibilities of the institution, encouraging the students of the Institution and members of the association for research projects, encouraging the students of the Institute to go for higher education and guiding them on self-employment to become entrepreneurs, guiding the students of the Institute on various professional avenues available and supporting them through various activities such as expert advice, seminars, industrial visits etc., encouraging and supporting students of the Institute in sports, cultural and extra-curricular activities and make them aware of the importance of the same, promotion of computer and internet literacy among the society and encouraging the current students to do the same as a social responsibility, providing help towards environmental conservation, anti-pollution activities against air, water and sound pollution etc., by all possible ways of social awareness, helping the victims of natural calamity and disasters. Helping and guiding the students and ex-students of the Institute for anti-drug, anti-ragging, and any other anti-social activities and instruct them to responsible for their health, guide them to be socially responsible citizens.

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

## **Criterion 6 - Governance, Leadership and Management**

### **6.1 Institutional Vision and Leadership**

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

**Response:**

Vision, Mission is given in Page No 1 and governance and leadership of the institution is given in the Chapter 14 of MOP.

**Vision:** To evolve SNIT Adoor as a CENTRE OF EXCELLENCE in Technology and Management.

**Mission:**

- ◆ Apply Technology and Management education as a powerful means to eliminate social inequalities.
- ◆ Encourage inquisitiveness, innovation, creativity, and entrepreneurship among Students and Teachers.
- ◆ Improve the teaching-learning process through experimental and participatory learning.
- ◆ Impart technical and management education enabling the students to think and act beyond boundaries.
- ◆ Encourage sustainable practices for the management of energy, provisional ecosystem services and environmental resources.

**SNIT Adoor has been striving tirelessly for the last decade to fulfill the above-set Vision and Missions.**

- ◆ Experimental learning involves workshop/laboratory courses.
- ◆ Participatory learning involves group assignments and project work.
- ◆ Internship and industrial visits open up OUT BOUND Learning experiences.
- ◆ Expert talks/ webinars provide opportunities to THINK BEYOND BOUNDARIES.
- ◆ An hour with Entrepreneur and Technology Incubation program encourages ENTREPRENEURSHIP among the students.
- ◆ NSS, Women's cell and Environment unit sensitize gender equality and social and environmental well-being among students.
- ◆ Authority functions in a structured manner and its accountability is ensured through a decentralized hierarchy such as Manager → Governing Body → Academic council → Principal → Academic Units → Admin Office and participative management is achieved .
- ◆ Quality assurance is effectively monitored by IQAC.
- ◆ Class committee/ mentoring committee/PTA/ Grievance cell compliments various activities.
- ◆ Supporting staff caters to all supplementary activities.
- ◆ The staff club supports cultural activities.
- ◆ Students union plays democratic involvements.
- ◆ General staff meetings are convened periodically to ensure the participatory process of evolving policies and action plans.

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

## 6.2 Strategy Development and Deployment

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

**Response:**

SNIT Adoor Functions academically and administratively adhering to the institutional vision and mission. There is a systematic set of rules, procedures and practices followed in the institution. The Management envisages evolving the institution into a Centre of Excellence. A series of Missions have been initiated to achieve the Vision of the institution. A development plan enlisted below was announced as part of the decennial program of the institution.

Sl.No	Action Agenda	Strategies
1	NAAC/NBA Accreditation	<ul style="list-style-type: none"> <li>◆ An Institutional task force has been set up, the timeline fixed and goals set for March 2023.</li> <li>◆ Preparation of the required departmental documents is decentralized and entrusted to concerned teams.</li> </ul>
2	Establishment of Research Centre	<ul style="list-style-type: none"> <li>◆ Two members of the faculty have been recognized as Research Supervisors of APJAK KTU.</li> <li>◆ Application for recognizing SNIT as a research centre has been submitted to the university.</li> <li>◆ A few Faculty members are preparing for entrance examinations for research.</li> </ul>
3	Towards Progression of Faculty and Students	<ul style="list-style-type: none"> <li>◆ MoU signed with AMRITA IAS Academy.</li> </ul>

4	Add on Courses/placements	<ul style="list-style-type: none"> <li>♦ MoU signed with ICT Academy, Kerala for skill acquisition courses in emerging domains</li> <li>♦ MoU with industrial leaders for hands-on training</li> </ul>
5	Expanding horizon: inclusiveness	<ul style="list-style-type: none"> <li>♦ AICTE approval for B Voc courses obtained. APJKTU approval is awaited.</li> <li>♦ Polytechnic College: on the final lap.</li> </ul>
6	Statutory bodies: Governing body (GB)/Academic Council (AC) / Departmental Council (DC)	<ul style="list-style-type: none"> <li>♦ <b>GB:</b> Policies/Programs/Strategies.</li> <li>♦ <b>AC:</b> Institutional level planning implementation and monitoring.</li> <li>♦ <b>DC:</b> Department-level planning implementation and monitoring.</li> </ul>
7	Administrative setup /appointment/ Service rule/ Procedures	<ul style="list-style-type: none"> <li>♦ Manual of Office procedures(MOP) implies.</li> <li>♦ Delegation of Roles and responsibilities fixed.</li> </ul>

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

<p><b>6.2.2 Implementation of e-governance in areas of operation</b></p> <p><b>1. Administration</b></p> <p><b>2. Finance and Accounts</b></p> <p><b>3. Student Admission and Support</b></p> <p><b>4. Examination</b></p> <p><b>Response:</b> A. All of the above</p>	
File Description	Document
Upload supporting document	<a href="#">View Document</a>



### 6.3 Faculty Empowerment Strategies

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

##### Response:

SNIT Adoor has a well-structured system for annual performance appraisals for teaching and non-teaching staff in the institution. The format has been designed on the lines prescribed by UGC/AICTE. Annual Performance appraisals of staff are reviewed through a three-tier mechanism such as HOD/Principal/Academic Chairman/Manager. All the welfare initiatives are interested in the staff club in the institution.

SNIT Adoor has formed the Internal Quality Assurance Cell (IQAC) as per the provisions of AICTE and the affiliating university. Participation in the industry is ensured by IQAC.

<b>Staff welfare</b>	<ul style="list-style-type: none"> <li>◆ A Staff club involving Teaching staff (TS) and Non-teaching staff (NTS) is functioning effectively.</li> <li>◆ Activities involve Birthday celebrations and entertainment.</li> <li>◆ Financial support including EPF &amp; ESI to the eligible members.</li> </ul>
<b>Performance Initiatives</b>	<ul style="list-style-type: none"> <li>◆ Induction training for TS and NTS.</li> <li>◆ Periodical Refresher program for TS and NTS.</li> <li>◆ Annual Self- Performance Appraisal in the prescribed format</li> <li>◆ Performance appraisal reviewed by HOD/Principal/Academic Chairman/Manager</li> </ul>
<b>Quality Initiatives</b>	<ul style="list-style-type: none"> <li>◆ IQAC in place.</li> <li>◆ DQAC: Department Quality Assurance Cell.</li> <li>◆ TQMS: Institution-level Total Quality Management System is functional.</li> <li>◆ ISO certification.</li> </ul>
<b>Quality Sustenance</b>	<ul style="list-style-type: none"> <li>◆ IQAC meets quarterly.</li> <li>◆ Internal Academic Auditing is conducted quarterly.</li> <li>◆ External Academic Auditing is conducted biannual.</li> <li>◆ Interaction with domain experts and invited lectures are arranged.</li> </ul>
<b>Quality Enhancement</b>	<ul style="list-style-type: none"> <li>◆ A Quality Assurance induction program is arranged for new faculty members.</li> <li>◆ Orientation/Refresher/FDP arranged for Teachers every year.</li> </ul>

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

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

**Response:** 0.98

#### 6.3.2.1 Number of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies year wise during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
0	2	0	2	0

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

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

**Response:** 51.35

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

2021-22	2020-21	2019-20	2018-19	2017-18
44	46	56	54	67

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

2021-22	2020-21	2019-20	2018-19	2017-18
20	20	21	23	28

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

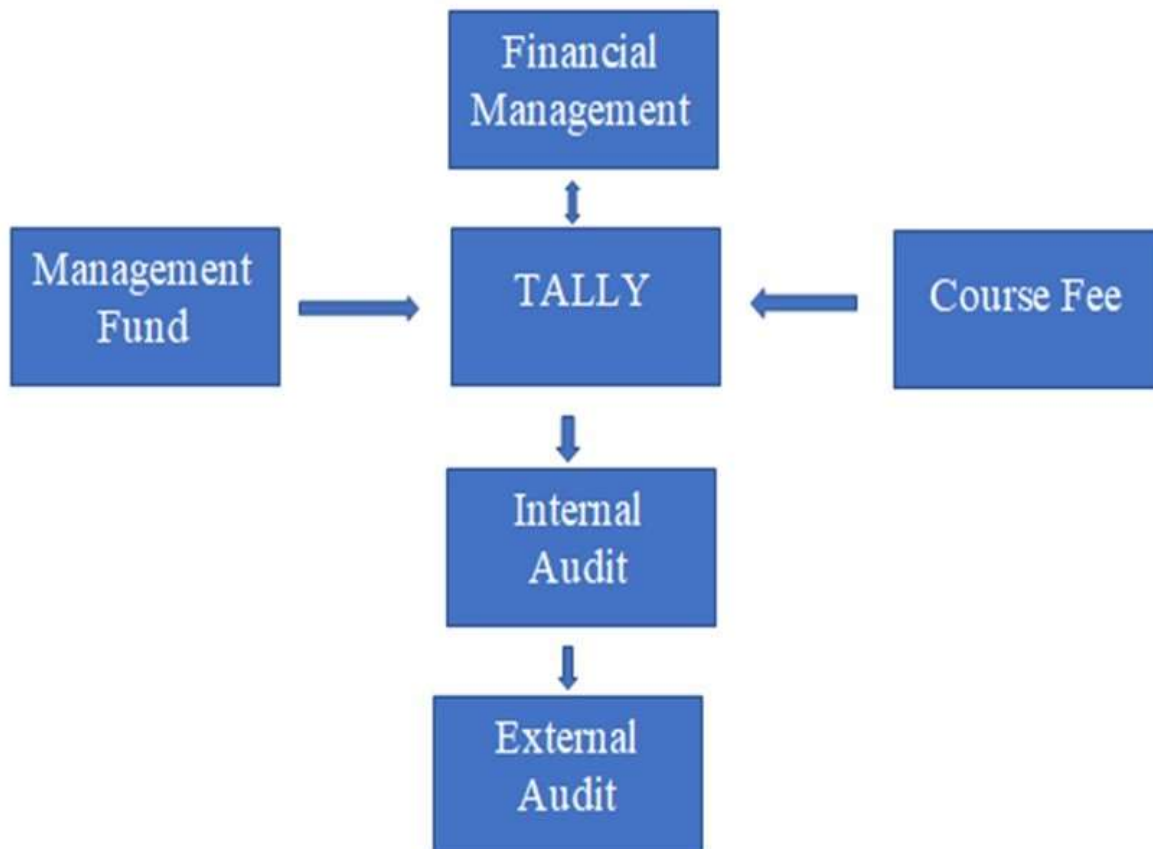
## 6.4 Financial Management and Resource Mobilization

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

**Response:**

SNIT Adoor has a two-tier system of financial auditing to ensure accurate financial information enabling appropriate financial planning. All the financial transactions are carried out through appropriate instruments/ software programs. An accounting package tally is implemented in the finance dept. Fund flow is expected through donations from the management, scholarships from agencies, funded projects and course fees. The major component of financial sources is management funds and student fee. Continuous internal auditing is a vital part of financial management in the institution. The statutory external audit is also conducted at the close of the financial year enabling the filing of obligatory financial reports.

The total financial management system in the institution is shown in the flow chart given below.



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

## 6.5 Internal Quality Assurance System

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

**Response:**

### **Internal Quality Assurance Cell (IQAC)**

Internal Quality Assurance Cell (IQAC) is established as a post-accreditation quality sustenance measure. The prime task of the IQAC is to develop a system for conscious, consistent and catalytic improvement in the overall performance of the institution. IQAC facilitates in development and application of quality benchmarks/parameters for the various academic and administrative activities of the College and functions as a nodal agency of the College for quality-related activities. It ensures enhancement and integration

among the various activities of the College and institutionalizes good practices. It builds an organized methodology of documentation of various programmes/activities at the College leading to quality improvement. The internal Quality Assurance Cell (IQAC) monitors academic quality regularly and takes up academic audits to accomplish both accountability and quality improvement. The administrators and staff practiced self-assessment to achieve quality education. The academic audit committee consists of sixteen members with the Principal as a Chairperson and representatives from staff and students.

<b>Quality Initiatives</b>	<ul style="list-style-type: none"> <li>◆ IQAC in place.</li> <li>◆ DQAC: Department Quality Assurance Cell.</li> <li>◆ TQMS: Institution-level Total Quality Management System is functional.</li> <li>◆ ISO certification.</li> </ul>
<b>Quality Sustenance</b>	<ul style="list-style-type: none"> <li>◆ IQAC in place.</li> <li>◆ DQAC: Department Quality Assurance Cell.</li> <li>◆ TQMS: Institution-level Total Quality Management System is functional.</li> <li>◆ ISO certification.</li> </ul>
<b>Quality Enhancement</b>	<ul style="list-style-type: none"> <li>◆ IQAC meets quarterly.</li> <li>◆ Internal Academic Auditing is conducted quarterly.</li> <li>◆ External Academic Auditing is conducted biannual.</li> <li>◆ Interaction with domain experts and invited lectures are arranged.</li> </ul>

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

**6.5.2 Quality assurance initiatives of the institution include:**

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

**Response:** B. Any 3 of the above

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

## Criterion 7 - Institutional Values and Best Practices

### 7.1 Institutional Values and Social Responsibilities

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

##### Response:

SNIT Adoor is a co-educational, gender-neutral-equal opportunity institution. The policy declarations of the institution highlight gender equity as one of the key themes of focus. The institution has set up Women Cell which functions dynamically on the campus. The women's cell composes both staff and students. They organize regular sensitization programs for the benefit of staff and students. The Women Cell has been keen on extending its arms to the immediate communities involved in health and sanitation as part of outreach capacity-building programs. The Women Cell supports all other programs in the institution by providing ethnic soft drinks as part of its fundraising. The cell organizes IWD observations inviting all staff and students on the campus.

##### *Measures initiated by the institution for the promotion of gender equity*

**a. Annual Gender Sensitization Action Plan:** The Women's cell of the institution has been functioning with an Annual Action Plan over the years. Copies are on the link below.

##### **b. Specific Facilities for women:**

1. **Safety & Security:** Guidelines, campus rules and regulations are in force for ensuring discipline, safety and security. A CCTV surveillance system is installed for continuous monitoring. Staff is assigned with duties as College Bus Coordinators to ensure safety during travel. Attendance is marked on time and there exists a system of prompt reporting of student absentees to parents by the Mentor concerned. Fire safety gadgets are installed as per norms. Safety Mock drills are conducted.

2. **Counseling:** The annual action plan of women-cell consists of counseling for girls. Professional counselor visits the institution for helping students to overcome stress and strain. Faculty Mentors are assigned on 1: 20 ratios for regular support to students.

3. **Girls' Common Room:** Furnished common rooms are available in every department/school of study. A lady LGS is assigned duty in the girl's common room for any assistance required by girls.

4. **Daycare center for young children:** The institution has set up a Daycare centre with facilities and of feeding cabin in order to support staff members who are young mothers to feel at home. This has been set up on a broader vision of staff friendliness apart from gender equity.

5. **Any other relevant information:** A Grievance Cell is functioning in the institution as a complaint resolution mechanism in addition to the existing internal complaint and women empowerment committee.

##### *Celebrations of National/International days of Importance and Festivals*

SNIT Adoor has been celebrating national and international festivals with at most forever. A cultural committee has been constituted to organize such programs in the institution. Onam, Christmas, Holi, Diwali and Eid are celebrated with enthusiasm on the campus. The institution also observes days of importance such as Mother's Day, Teachers Day, National Integration Day, Youth Day etc.

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

### 7.1.2 The Institution has facilities and initiatives for

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

**Response:** A. 4 or All of the above

File Description	Document
Upload supporting document	<a href="#">View Document</a>

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

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

**Response:** B. Any 3 of the above

File Description	Document
Upload supporting document	<a href="#">View Document</a>

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

**Response:**



***Inclusion and Situatedness***

The institution flows ideology propounded by the Philosopher Saint Sree Narayana Gurudevan that says “***Matham Ethayalum Manuzhyan Nannaayaalmathi***” meaning “whatever is the religion people should be virtuous.” The above ideology manifests inclusive tolerance among all sectors of people. The institution keenly organizes programs, opens all avenues and takes all efforts to inculcate the spirit of inclusive tolerance and harmony among the students. The practice is to observe and celebrate regional and national festivals in the institution under the banner of the student council. Students and Staff join in a festive mood in celebrating festivals like Onam, Christmas, Eid, and Holy. During the celebrations, they share sweets and feast among themselves. Staff and Students often make it a point to celebrate some festivals along with inmates of nearby orphanages and old-age homes. These activities infuse a sense of inclusiveness among the student community.

***Sensitization of students and employees of the institution to the constitutional obligations: values, rights, duties and responsibilities of citizens***

Institution observes National days such as Independence Day, Republic Day, and Quit India day in a dignified manner. Staff and students attend the observations conscientiously. Flag hoisting is made ceremoniously in the presence of Staff, Students and guests. Processions are taken out as part of observations. Usually, distinguished guests are invited to give commemorative speeches so that the students are reminded of the sacrifices of the great freedom fighters and thereby inculcating in them constitutional obligations: values, rights, duties and responsibilities of citizens.

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

**7.2 Best Practices****7.2.1 Describe two best practices successfully implemented by the Institution as per NAAC format provided in the Manual****Response:****Best Practice 1****1. Title of the Practice: STUDENT MENTORING SYSTEM****2. Objective of the Practice:**

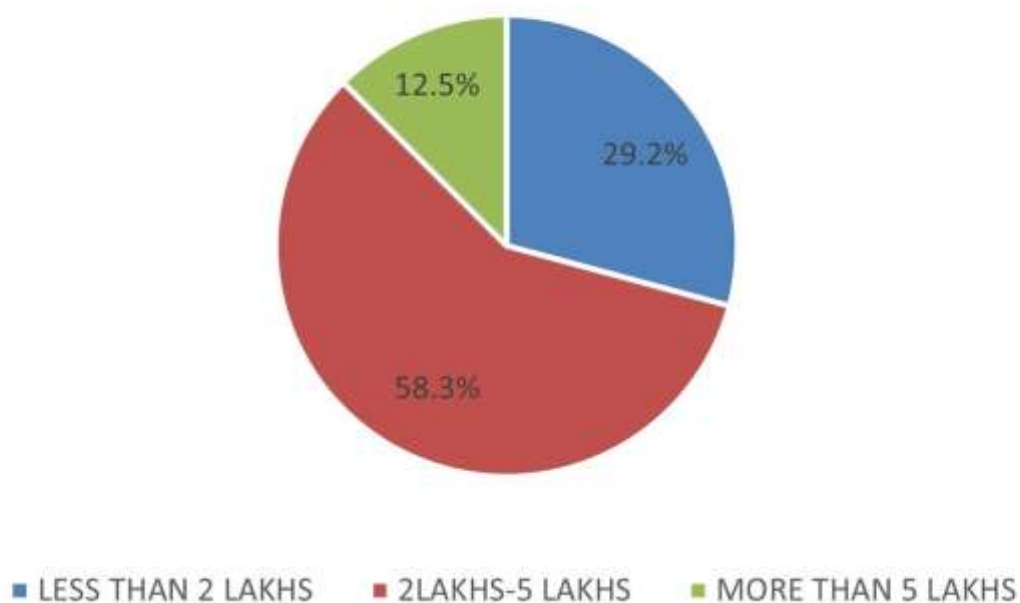
The Student Mentoring System has been envisaged in the institution with a unique motto of inclusive development of students. Every Teacher in the institution acts as a Mentor of a specific batch of students at the point of entry stage and guides them through the entire period of the course. The Mentor-Mentee dichotomy is carved in such a fashion that the Mentor establishes a strong relationship with the Mentee in

multiple roles as *a caring parent, intelligent guide and affectionate companion.*

### 3. The Context:

Most of the students enrolled in this institution are from rural areas and are first-generation college students in their families. It was observed that learning deficiencies coupled with their socio-economic factors and the scenario of the Hi-Fi profile of the Engineering Colleges make students like fish out of water. The net consequences of such a context are that the students either drop out of the course premature or fail to complete the course successfully. This situation amounts to the disastrous collapse of the dreams of parents and students. Such situations also destroy the future of those young students and ultimately the valuable youth power of our country will be at peril. The Mentoring system is a panacea to the above critical conditions.

## PARENTS INCOME STATUS



### 4. The Practice:

The HoI constitutes a Mentor system with a ratio 1:20 at the commencement of academic session. A Mentor remains the same throughout the completion of the program.

**The Mentor Group** is the Primary unit of Mentoring system. Mentors keep a record of the profile of students. Mentor groups meet periodically to discuss relevant matters. The Mentor Keeps minutes of the Mentor Group Meetings.

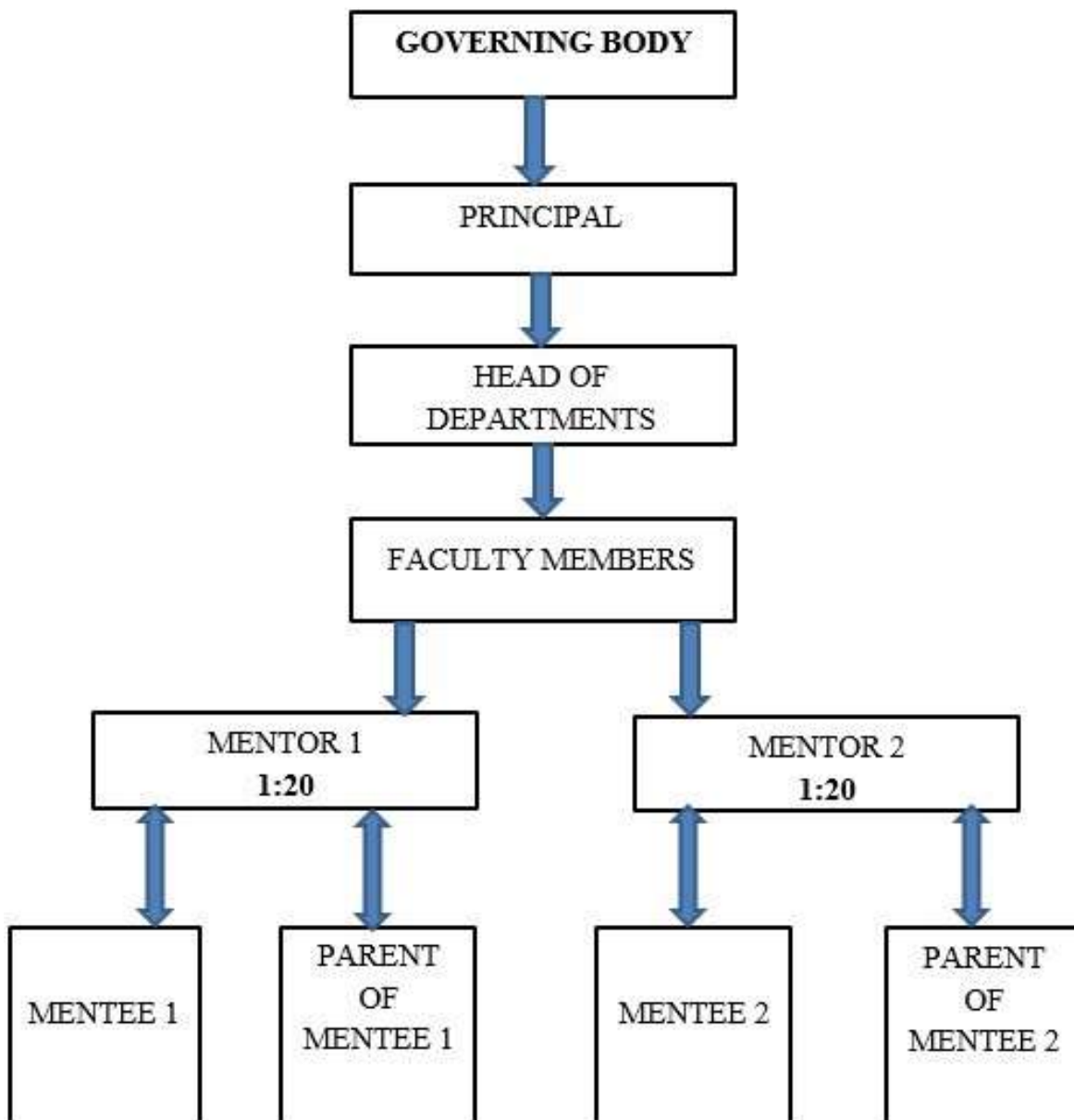
The Mentors network with parents/students and effectively resolve academic, social, economic or personal issues by offering guidance/counselling. The Mentors arrange combined sessions with students and parents for detailing academic progress, internships, project work, MOOC etc. to earn better credits and achieve

academic progression.

**Review: Faculty Advisor/Class Advisor Level:** Faculty Advisor/Class Advisor reviews the Mentor group meets twice a month and reports the same to the HoD who in turn conducts a department-level review of Mentoring system monthly. The HoD reports to the Principal about all activities of the Mentoring system regularly.

**Review at the Principal Level:** The Principal initiates Mentoring system at the beginning of every academic year and reviews the progress of the system half-yearly.

### ORGONOGRAM OF MENTORSHIP



#### 5. Evidence of Success:

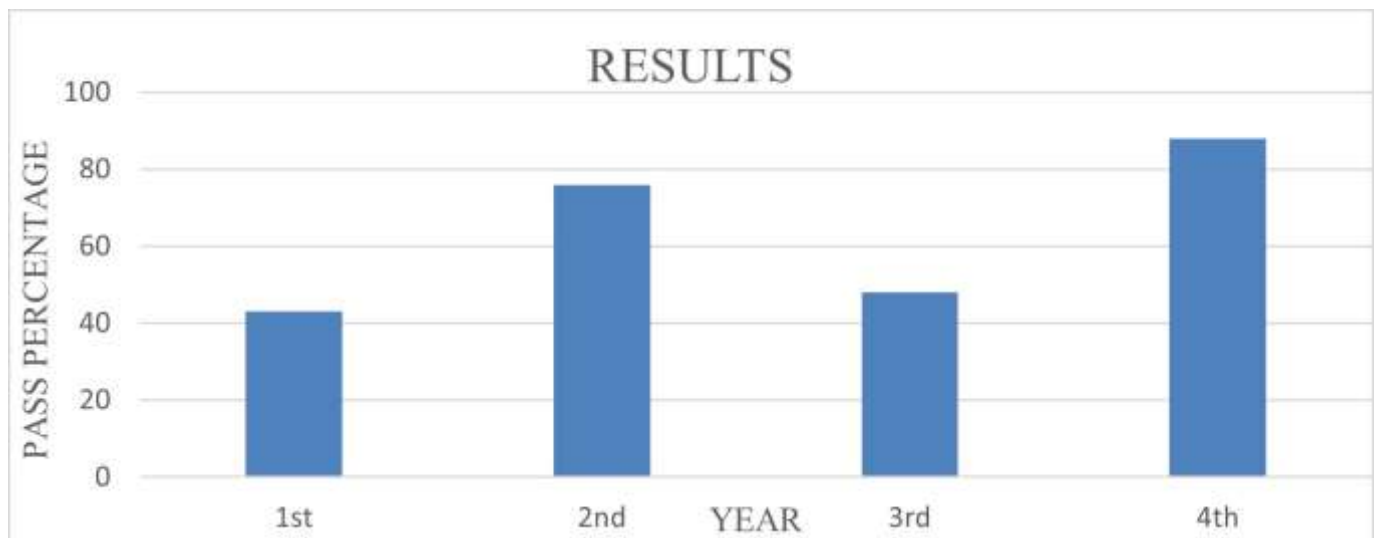
There are a set of critical challenges that every HEI, face in the country:

- (a) Student unrest
- (b) Massive drop out
- (c) Poor pass percentage.

Those hazards trigger human recourses disasters that derail the progress and development agenda of the Nation. The Mentor System on the campus is a powerful and effective mitigation strategy for containing the above Hazards.

**Achievements:**

- (1) Student unrest on the campus has fallen sharply due to the one-to-one contact with students and the timely resolution of student grievances.
- (2) Student dropout has also reduced sharply because the Mentors could effectively counsel and motivate the students in distress.
- (3) The net pass percentage of university examinations has shown a sharp upward trend.



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

- (1) Faculty Advisor/Mentors may change as they leave the institution.
- (2) Attendance of parents in combined Mentor group meeting is poor due to various factors.
- (3) Staff attrition should be effectively addressed.

**7. Notes:**

Mentor System, if implemented properly, can be an excellent tool for leveraging HEIs.

## Best Practice 2

**1. Title of the Practice: TOWARDS PAPERLESS MANAGEMENT: : Institutional Automation: Education Management Online System.**

### **2. Objective of the Practice:**

- a. Better communication: Management, Staff, Students, Parents
- b. Administrative transparency
- c. Efficient data storage, processing and report generation
- d. A platform for e-recourses: Virtual campus
- e. Take advantage of technologies and devices like Tabs and smartphones to keep files and notes
- f. Reduce Paper Foot Print, Save Water, Save Environment, Save Our Planet

### **3. The Context:**

The conventional practice of paper filing system is with several disadvantages. It takes up a lot of space and time to generate and store. Decision-making is usually delayed. The paper-based administration is almost centralized restricting the benefit of decentralized space–time advantages.

It has also been understood that one tree, on an average, is equal to 12,000 papers. By saving a ton of paper, 17 trees, 26000 litres of water, 4000 kilowatt of power supply and 240 litres of fuel can be saved. Going paperless helps businesses save space and money, boost productivity, keep information more secure, and sharing it easier. Paperless offices help the environment: *the less paper we use, the fewer trees are chopped down, the less methane is emitted, and the less water and energy are consumed.*

It is in the above context that the Institution has introduced a practice titled **TOWARDS PAPERLESS MANAGEMENT: Institutional Automation: Education Management Online System**

### **4. The Practice:**

The Institution procured a Learning Management System known as LINWAYS and conducts training for staff/students. Stakeholders are given UID and PW for using the system. Learning materials are uploaded to the system for easy access to students enabling a virtual classroom. SMS facility is integrated into the system reducing communication barriers and ensuring authenticity and safety. Parents can view the progress and performance details of their wards by sitting in the comfort of their homes or office. Faculty Members, Class Advisors, HoDs, and the Principal are assigned graded access to the system to ensure security.



**5. Evidence of Success:**

(a) Saving Space & Time for decision making.

(b) 100 employees save 2400 sheets of paper, two trees, 120000 liters of water, 400 kilowatts power, 24 liters of fossil fuel, reduce methane emission and ensure lifetime oxygen supply for 6 human beings a year.

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

(a) Technical adaptability

(b) Bandwidth limitations

(c) Total commitment

**7. Notes:**

SNIT Adoor is an ENVIRONMENT CONSCIOUS and CLIMATE RESILIENT campus.

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

**7.3 Institutional Distinctiveness**

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

**Response:****Title: Sustainable ecosystem services Management**

**The Concept:** One of the missions of the institution is to encourage sustainable practices for the management of ecosystem services such as water, energy and other environmental resources. SNIT Adoor has identified two vital provisional ecosystem services such as water and energy for ensuring sustainability on the basis of sustainable development goal-SDG6

The primary motto of this institution is to provide education to all youth of our country. An investment in a child's education is an investment in the future. However, millions of families around the world don't have the upfront resources to invest in two of the most critical resources for getting their kids to school—safe water and a toilet at home. Girls who lack access to safe water and sanitation at home or at school face significant challenges. Compounded by the fact that their safety and health are at risk when they have no choice but to defecate in the open; menstruation poses another reason why girls in impoverished, water-insecure communities do not go to school. Access to water and sanitation changes this. If for instance in India, water and toilets were accessible to even 1% more girls in secondary schools, the country's GDP would raise more than \$5 billion. Further, on a global scale, for every year a girl stays in school, her income can increase by 15-25%. Water is the lifeblood of the global economy and access to education is the path that achieves it. Therefore, water security is very vital for the development of the country. In fact, 785 million people lack even a drinking water service 144 million people are dependent on surface water. Globally, at least 2 billion people use a drinking water source contaminated with fecal matter. By 2025, half of the world's population will be living in water-stressed areas. More than 2 billion people live in countries experiencing high water stress. The situation will likely worsen as populations and the demand for water grows, and as the effects of climate change intensify (United Nations, 2018). With the existing climate change scenario, by 2030, water scarcity in some arid and semi-arid places will displace between 24 million and 700 million people (UNCCD). It is estimated that by 2040, one in four of the world's children under 18—some 600 million in all—will be living in areas of extremely high water stress (UNICEF, 2017). There is also a clear economic imperative for action: in 2018 water-related financial losses reached US\$36 billion. Climate change, increasing water scarcity, population growth, demographic changes and urbanization already pose challenges for water supply systems. By 2025, half of the world's population will be living in water-stressed areas.

SNIT Adoor recognizes that educational institutions having sprawling campuses have critical roles to play in implementing Sustainable Development Goals: SDG6.

**It is in this context that SNIT Adoor implemented a distinctive action titled:**

- ◆ **Water Security: Rain/Surface Run-Off Water Harvesting: Save Every Drop of Water**(bearing long-term implications)

The Civil Engineering Department of the college has been entrusted to prepare a master plan for the distinctive project and implement the same. The department computed the total annual water demand on the campus. It has been estimated that the demand is 1512cume/day. They have set a target to make the campus water sustainable. The institution has a sprawling campus of more than 10 acres. The institution has a built-up roof area of 203.92 sq.meter. The annual rainfall in the premises has been estimated as 2666mm. The rainwater that falls on the roof of the building has been estimated as 542,427 liters/annum.

The roof Rainwater harvesting project has been envisaged and implemented with a capacity of 10 lacks liters of roof rainwater harvesting tank. The annual surface run of water on the campus has been estimated as 14,064,910 litres. The surface runoff water is driven in a topologically structured plan to different underground wells so that the groundwater level is recharged and maintained. Runoff water is also channelized to a pond and pool on the campus so the water is not lost in any manner. As a result, a total of 14,607,337litres of water is being saved annually on the campus through the distinctive project. Save Every Drop of Water is the catching slogan of the project. Staff and students were given awareness of the theme. It was estimated that a drop of water leaked from a tap can add up to 2100 liters of water annually. There are 150 water taps on the campus. If all of it leak dip - dip; that would amount to 315000 liters annually. Therefore, actions to repair and main the taps leak- proof was initiated as a campaign with the help of staff and students. Stickers were displayed in vital locations, washrooms etc. with the above slogan. It is estimated that 300000 liters of water are saved through the above actions.

Note: It is assumed that the message conveyed through the distinctive action involving the student community in implementing Sustainable Development Goal SDG 6 will have a long-lasting impact on society at large.

♦ **Energy Harvesting:**

Sun is the most abundant source of energy. Tapping solar energy can lead to a reduction in emissions. The Govt. of India has committed at Conference of Parties 21 to a drastic reduction in carbon emissions. SNIT Adoor has taken steps to support Govt. of India initiatives by implementing the grid 50KW rooftop solar plant. Students and staff of the EEE dept have taken initiatives in planning, estimation and implementation of solar energy harvesting in this institution.

Sustainable Energy Management

- ♦ 50KW solar plant
- ♦ On-grid · Generated 7500KWh/ month
- ♦ Planned, estimated, and installed by students and staff of the EEE department in the institution
- ♦ Meets energy requirement of the institution
- ♦ Reported in UNAI, GUPES, and UNEP newsletter
- ♦ Biogas plant of capacity 3000 liters manages degradable waste

Provisional Ecosystem services

- ♦ Rainwater harvesting system of ten lakh liters capacity
- ♦ Surface run-off water harvesting was planned, estimated and implemented by students and staff of the CE department Meets water requirements of the campus.

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



## **5. CONCLUSION**

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### **Additional Information :**

#### **Achievements**

- ◆ University ranks
- ◆ Appreciation from AICTE for SAGY
- ◆ Certificate from AICTE as Community Empowered College
- ◆ Member, UNISD
- ◆ Happyfied Campus by AoL
- ◆ Industry – Institution tie-up.
- ◆ MoU with ICT Academy for add on courses
- ◆ SNIT – Amrita Civil Service Academy
- ◆ SAP Academy
- ◆ IEEE Chapter
- ◆ Research Guideship in Management and Mechanical Engineering
- ◆ Prime Minister's Rozgar Yojana (PMRY) scheme for rural youth
- ◆ ISO certification

### **Concluding Remarks :**

**PRAJNANAM BRAHMA** is the motto of the institution. SNIT Adoor has been functioning very effectively for more than a decade since its inception adhering to the far sighted vision of the management. The institution is striving ahead through a clear path of missions set forth by the institutional leaders. There is a strategic perspective plan for all-round progress of the institution that enlighten the path ahead.

## 6.ANNEXURE

### 1.Metrics Level Deviations

Metric ID	Sub Questions and Answers before and after DVV Verification																				
1.2.1	<p><b>Number of Add on /Certificate/Value added programs offered during the last five years</b></p> <p>Answer before DVV Verification :</p> <p>Answer After DVV Verification :15</p> <p>Remark : DVV has made the changes as per shared report by HEI.</p>																				
3.1.1	<p><b>Grants received from Government and non-governmental agencies for research projects / endowments in the institution during the last five years (INR in Lakhs)</b></p> <p><b>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)</b></p> <p>Answer before DVV Verification:</p> <table border="1"> <thead> <tr> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>3</td> <td>0</td> <td>0</td> <td>0</td> </tr> </tbody> </table> <p>Answer After DVV Verification :</p> <table border="1"> <thead> <tr> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>3.00</td> <td>0</td> <td>0</td> <td>0</td> </tr> </tbody> </table> <p>Remark : DVV has converted the value into lakhs.</p>	2021-22	2020-21	2019-20	2018-19	2017-18	0	3	0	0	0	2021-22	2020-21	2019-20	2018-19	2017-18	0	3.00	0	0	0
2021-22	2020-21	2019-20	2018-19	2017-18																	
0	3	0	0	0																	
2021-22	2020-21	2019-20	2018-19	2017-18																	
0	3.00	0	0	0																	
3.4.3	<p><b>Number of extension and outreach programs conducted by the institution through NSS/NCC/Red cross/YRC etc., (including the programmes such as Swachh Bharat, AIDS awareness, Gender issues etc. and/or those organised in collaboration with industry, community and NGOs) during the last five years</b></p> <p><b>3.4.3.1. Number of extension and outreach Programs conducted in collaboration with industry, community, and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., year wise during the last five years</b></p> <p>Answer before DVV Verification:</p> <table border="1"> <thead> <tr> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> </tr> </thead> <tbody> <tr> <td>11</td> <td>7</td> <td>7</td> <td>12</td> <td>12</td> </tr> </tbody> </table> <p>Answer After DVV Verification :</p> <table border="1"> <thead> <tr> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> </tr> </thead> <tbody> <tr> <td>11</td> <td>7</td> <td>7</td> <td>10</td> <td>10</td> </tr> </tbody> </table>	2021-22	2020-21	2019-20	2018-19	2017-18	11	7	7	12	12	2021-22	2020-21	2019-20	2018-19	2017-18	11	7	7	10	10
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11	7	7	10	10																	

**2. Extended Profile Deviations**

<b>Extended Profile Deviations</b>
No Deviations