



# *MANDATORY DISCLOSURE*

**SREE NARAYANA INSTITUTE OF TECHNOLOGY,  
ADOOR**

**2022-2023**

**MANDATORY DISCLOSURE**

[Date]

**Mandatory Disclosure By Institutions Running AICTE Approved Engineering/ Technology/Pharmacy Programs To Be Included In Their Respective Information Brochure, Displayed On Their Website And To Be Submitted To AICTE Every Year Latest By 30 April Together With Its URL.**

The following information is to be given in the Information Brochure besides being hosted on the Institution's official Website.

**“The information has been provided by the concerned institution and the onus of authenticity lies with the institution and not on AICTE.”**

**I. Name of the Institution:**

**SREE NARAYANA INSTITUTE OF TECHNOLOGY**

Theppupara P.O., **Adoor**,  
Kerala, Pin – 691 554  
Tel: (O) 04734 – 244600,  
Fax: 04734-243400  
Website: [www.snit.edu.in](http://www.snit.edu.in)  
Email: [info@snit.edu.in](mailto:info@snit.edu.in) &  
[principal@snit.edu.in](mailto:principal@snit.edu.in)

**II. Name &Address of the Principal:**

**Dr. SHAJI MOHAN B.,**

“PRINCIPAL COTTAGE”  
TheppuparaP.O.,Adoor,Kerala,Pin-691554  
Tel: (O) 04734-244600; (R) 04734-240500  
Fax: 04734-243400, 9497257007(M)  
Email: [principal@snit.edu.in](mailto:principal@snit.edu.in)

**III. Name of the Affiliating University:**

A P J ABDUL KALAM TECHNOLOGICAL  
UNIVERSITY (For all MBA courses and the  
B.Tech. courses started after **2015-16**)

#### IV. Governance:

**a) Members of the College Governing Council with their brief background.**

1. Mr. K. SADANANDAN  
(Chairman, Sree Narayana Institute of Technology & Pattayil Kunju Kunju Memorial Charitable Trust) CHAIRMAN
2. Mr. ABYIN AMPADIYIL  
(Managing Director Sree Narayana Institute of Technology & Pattayil Kunju Kunju Memorial Charitable Trust) MEMBER
3. Mr. VIPIN AMPADIYIL  
(Executive Director, Sree Narayana Institute of Technology & Pattayil Kunju Kunju Memorial Charitable Trust) MEMBER
4. Mrs. USHA SADANANDAN  
(Director Board Member, Pattayil Kunju Kunju Memorial Charitable Trust) MEMBER
5. Dr. SHAJI MOHAN B.,  
(Principal, Sree Narayana Institute of Technology) MEMBER
6. Dr. KESHAV MOHAN  
(Director, Academic Chairman) MEMBER
7. Prof. N. RADHAKRISHNAN NAIR  
(Academic Coordinator, Sree Narayana Institute of Technology) MEMBER
8. Mr. ANAND V.J  
(Prof. & Grievance Cell Officer) MEMBER
9. Dr. M. D. SREEKUMAR  
(Associate Professor and HoD, Mechanical. Engg. Dept.) MEMBER
10. Prof. SUJA PAULOSE  
(Associate Professor and HoD, Electronics & Communication Engg. Dept.) MEMBER
11. Mr. CHIPPY R. S.  
(Assistant Professor and HoD, MBA. Dept.) MEMBER
12. Mr. SARATH RAJ  
(Assistant Professor and HoD, Mechanical Automobile Engg. Dept.) MEMBER

- |   |        |
|---|--------|
| 13. Prof. LEKSHMI R NAIR<br>(Associate Professor and HoD, Electrical & Electronics Engg. Dept.) | MEMBER |
| 14. Prof. RIYANA M.S.<br>(Associate Professor and HoD, Electrical & Electronics Engg. Dept.)    | MEMBER |
| 15. Nominee of Regional Office, AICTE, Bangalore  | MEMBER |
| 16. Nominee of office of the Director of technical education, Kerala                            | MEMBER |
| 17. Nominee of Kerala Technological University  | MEMBER |
| 18. Nominee of state government, Kerala   | MEMBER |

### **MEMBER OF ACADEMIC ADVISORY BODY- ACADEMIC COUNCIL**

1. **Mr. ABYIN AMPADIYIL**, Managing Director, Sree Narayana Institute of Technology, Adoor
2. **Dr SHAJI MOHAN B.**, Principal, Sree Narayana Institute of Technology, Adoor
3. **Dr. KESHAV MOHAN**, Former Director, Disaster Management Authority, Govt. of Kerala, Educationalist and Advisor, Sree Narayana Institute of Technology, Adoor
4. **Prof. N. RADHAKRISHNAN NAIR**, Academic Coordinator, Sree Narayana Institute of Technology, Adoor
5. **Dr. P.G. BHASKARAN NAIR**, P.G Dean, Sree Narayana Institute of Technology
6. **Mr. ANAND V.J**, Prof. & Grievance Cell Officer
7. **Dr. M. D. SREEKUMAR**, Associate Professor and HoD, Mechanical. Engg. Dept. Sree Narayana Institute of Technology, Adoor
8. **Prof. SUJA PAULOSE**, Associate Professor and HoD Electronics & Communication Engg. Dept, Sree Narayana Institute of Technology, Adoor
9. **Mr. CHIPPY R. S**, Associate Professor and HoD, MBA. Dept. Sree Narayana Institute of Technology, Adoor
10. **Mr. SARATH RAJ**, Assistant Professor and HoD, Mechanical Automobile Engg. Dept, Sree Narayana Institute of Technology, Adoor
11. **Prof. LEKSHMI R NAIR**, Associate Professor and HoD, Electrical & Electronics Engg.

Dept, Sree Narayana Institute of Technology, Adoor

**12. Prof. RIYANA M S** , Assistant Professor and HoD in charge , Civil Engg. Dept, Sree Narayana Institute of Technology, Adoor

**13. Mrs.NISHY SUSAN JOY**, Librarian, Sree Narayana Institute of Technology, Adoor

**14. Mr. AMRITH VASANDHARAN, Workshop Superintendent**, Sree Narayana Institute of Technology, Adoor

### **FREQUENCY OF THE MEETING OF BOARD & ACADEMIC ADVISORY BODY**

Governing Council meeting– At least once in a year  
Academic Council meeting – At least twice in a semester

#### **Nature and Extent of involvement of faculty and students in academic affairs / curriculum transactions.**

Training to the new faculty members is imparted by senior faculty members. Teachers prepare class notes at the commencement of the semester under the guidance of the experienced faculty members. Students' feedback is made available to the faculty for self-improvements.

#### **Mechanism/Norms & Procedure for democratic / good Governance**

Periodic meeting of the faculty and the staff is convened by the Principal/Chairman/MD to discuss academic and other administrative matters. Meetings of the representatives of the students. Student's council is convened to discuss matter related to student's affairs.

#### **Student Feedback on Institutional Governance/faculty performance**

Students' feedback is collected periodically regarding the performance of the faculties of the college.

#### **Grievance redressal mechanism for faculty, staff and students**

A Grievance Cell, Anti-Ragging Committee and Anti-ragging squad are functional in the college. A separate committee headed by the staff warden lady faculty members and lady rep looks after the welfare of the girl students.

An undertaking by the parents / wards is taken for each student the time of admission against involvement in ragging activities. Anti-ragging signboards & warning boards are put up different locations in the college.

Further a disciplinary committee has been formed with standard rules and regulations to ensure strict discipline with in the campus.

## V. PROGRAMMES:

Name of the Programs approved by the AICTE:

### UG Programs:

1. B.Tech. Civil Engineering.
2. B.Tech. Mechanical Engineering.
3. B.Tech. Mechanical (Automobile) Engineering.
4. B.Tech. Electrical and Electronics Engineering
5. B.Tech. Electronics and Communication Engineering.

**Name of the Programs approved by the AICTE: Post Graduate**

1. M.TECH (STRUCTURAL ENGINEERING AND CONSTRUCTION MANAGEMENT).
2. M.TECH (MACHINE DESIGN)
3. MBA

### **Number of seats for each program:**

UG Programmes: 60 Seats each and Duration is 4 Years (8 Semesters)

Cut off mark / rank for admission during the last three years:

UG: 50% or more for Mathematics and aggregate of 50% or more for PCM

PG Programmes: 18 Seats for M-Tech Civil and Mechanical and 60 Seats for MBA.

Tuition fee: Fees as decided by the Government of Kerala from time to time

### **Placement Facilities**

Placement Cell has been established and this Cell coordinates various activities related to the career planning. More than 260 students have been placed in different organizations during 2018-19. Competent trainers take classes, GD etc. to improve personalities and capabilities of the students. T&P cell would be organizing several programs for the benefit of students is described below:

- Personality development
- Interpersonal Communication skills
- Career Planning and Career Mapping etc.

### **At present Management is arranging such programs for the benefit of students**

Campus placement in last three years with minimum salary, maximum salary and average salary. Name and duration of programme(s) having affiliation/collaboration with Foreign University(s)/Institution(s) and being run in the same Campus along with status of their AICTE approval, if there is foreign collaboration, give the following details.

**VI. PROFILE OF PRINCIPAL WITH QUALIFICATIONS, TOTAL EXPERIENCE, AGE AND DURATION OF EMPLOYMENT AT THE INSTITUTE CONCERNED**

**Name** : Dr. SHAJI MOHAN B.

**Designation** : Principal

**Date of Birth** : 29/4/1969

**Academic Qualification** : B.E, M.E, PhD, PGDBM

**Field of specialization** : Computer Science & Engineering

**Duration of employment at the present institute** : 1/1/2017 (2.7 years)

**Details of experience (Academic/Industrial)** : a) Lecturer - 1994 August to 1998 September

**(More than 32 years of experience)** b) Asst. Prof. & Head- 1999 September to 2005 May

c) Associate Prof & Principal- 2005 June to 2010 April

d) Professor & Principal- 2010 April to Till Date

**Membership in professional bodies** : 1) Life member, Indian Society of Technical Education (ISTE) [LH40207]

2) Associate member, Indian Engineers (IE)

3) Associate Life member, Computer Society of India (CSI) [M-00132316]

4) Senior Member IACSIT [M-80341342]

5) Member in Solar Energy Cell [1172/LM/2006]

6) Member in AIMA [M-200611119]

7) Member in IAENG [102108]

8) Member in IET

**Number of papers published** : 24

## VII. FACULTY DETAILS

Name	DOB	Designation	Dept	Qualification and class/grade obtained	Experience (years)		DOJ
					Teaching	Industrial	
Prof. N Radhakrishnan Nair	20-05-1950	Academic Coordinator	BS	M.Sc (physics (ELECTRONICS)), B.Sc (physics), M.Phil, (physics)			06-01-2013
Anju Thulasi	06-05-1995	Assistant Professor	CE	M.Tech (Structural Engineering & Construction Management)			01-08-2019
SujaPaulose	04/05/1973	HOD	ECE	M.Tech (Communication Systems), BE (ECE)	20yrs	-	1/7/2013
Lekshmi R Nair	20/05/83	HOD	EEE	Ph.d Pursing (Communication Systems), M.Tech (Communication Systems), B.Tech (ECE)	15 yrs	-	10/06/2015
Geethu M S	05-05-1993	Assistant Professor	CE	ME (Construction Engineering & Management)			04-01-2021
Riya S Mathew	23-09-1994	Assistant Professor	BS	M.Sc.Physics (physics), B.Sc Physics (physics)			01-04-2022
Riyana M S	10/06/1987	Assistant Professor & HOD	CE	M.Tech (Construction Engineering & Management), B.Tech (CE) Pursuing Ph.D	7 yrs	1 yrs	03/07/13
Lekshmi Raj R	4/3/1988	Assistant Professor	ECE	M.Tech (VLSI & Embedded Systems), BE (ECE)	7 yrs.9	-	1/10/2011

[Date]

V. J Anand	10/3/1987	Assistant professor	ECE	ME (Communication Systems),BE (ECE)	7 yrs.6	-	4/7/2012
Ashly P	27/5/87	Assistant Professor	ECE	M.Tech (ECE),B.Tech (ECE)	6 yrs	-	1/10/2011
Banjo C Babu	19.10/89	Assistant Professor	ECE	ME (Communication Systems),B.Tech (ECE)	6 yrs	-	4/5/15
Lekshmi Chandra K	5/11/1988	Assistant Professor	ECE	ME (Communication Systems),B.Tech (ECE)	5 yrs	-	1/7/2013
Nisha M Sasi	7/7/1990	Assistant professor	ECE	M.Tech (Applied Electronics),BE (ECE)	4 yrs.2	-	25/5/15
Sneha Anna John	10-05-1991	Assistant Professor	BS	M.Tech (Computer Science & Engineering)			25-04-2022
Retheesh S	17-04-1983	Assistant Professor	BS	MA (English),BA(English)			12-09-2022
Jacob V. Panicker	17/4/1989	Assistant professor	ECE	ME (Communication Systems),B.Tech (ECE)	6 years	-	1/7/2013
Megha Nair	27/03/1998	Adjunct Faculty	ECE	B.tech(ECE)	-	-	1/10/2022
Divya S Chandran	27-04-1994	Lecturer	BS	M.COM (Finance & Taxation) B.COM (Finance & Taxation)			12-09-2022

[Date]

Akhil S	26/01/1989	Assistant Professor	MAE	ME – Manufacturing First Class	4 yrs	6 yrs	26/5/15
Anjali J	26-09-1992	Assistant Professor	BS	M.Sc Chemistry (Chemistry), BSc Chemistry			12-09-2022
Sreejith A R	11-10-1987	Assistant Professor	BS	M.E. (Applied Electronics), B.E. (ECE)			12-09-2022
Sooraj S	08/01/1995	Physical Education Trainer	BS	BPEd, MPed, K - TET			07/11/2022
Joobith Banerji	10/05/1986	Assistant Professor	MAE	ME – Energy Engineering, First Class	3 yr	2 yrs	3/01/2019
Rajalekshmi P	06-12-1989	Assistant Professor	CE	M.Tech (Transportation Engineering), B.Tech (CE)			31-03-2021
Jinu Darsh M S	22-01-1996	Assistant Professor	CE	M.Tech (Structural Engineering and Construction Management), B.Tech (CE)			04-10-2021
Sarath Kumar S	28/02/91	Assistant Professor	EEE	M.Tech (Power Electronics & Drives), B.Tech (EEE)	2 yrs	2 yrs.5	03/07/2017
Preena Praveen	07-05-1996	Assistant Professor	CE	M.Tech (Structural Engineering and Construction Management), B.Tech (CE)			12-09-2022
Sreelekshmi Nair	05-12-1991	Assistant Professor	EEE	M.Tech (Power Electronics & Drives), B.Tech (EEE)			25-05-2015

[Date]

Karthika Nair	18-11-1996	Assistant Professor	EEE	M.Tech (Power Electronics & Drives), B.Tech (EEE)			14-08-2020
Amrith Vasundharan	31-10-1989	Assistant Professor	EEE	M.Tech (Power Electronics & Drives), BE (EEE)			01-12-2020
Aswathy Mariam Mohan	19/08/92	Assistant Professor	EEE	M.Tech (Power System), B.Tech (EEE)	3 yrs	-	21/06/2016
Reshma Muraleedharan	18-06-1994	Assistant Professor	EEE	M.Tech (Power Systems), B.Tech (EEE)			13-09-2021
Pranav S	06-03-1992	Assistant Professor	EEE	ME (Power Systems), B.Tech (EEE)			29-09-2021
Divya G	02-11-1991	Assistant Professor	EEE	ME (Power Systems), B.Tech (EEE)			01-08-2022
Lekshmi Priya R	15/11/1983	Assistant Professor	CE(M. Tech)	M.Tech (Structural Engineering), B.Tech (CE)	8 yrs	-	15/06/14
Bijin Bidheswaran	04-04-1989	Assistant Professor	ECE	M.Tech (Embedded Systems), B.Tech (ECE)			01-11-2021
Chaithra S	14/03/1991	Assistant Professor	CE	M.Tech (Structural Engineering Construction Management), B.Tech (CE)	4 yrs.5	-	25/07/2016

Divya R	30-10-1993	Assistant Professor	ECE	M.Tech (Communication Engineering), B.Tech (ECE)			20-04-2022
Dr. Divya G	28-05-1988	Assistant Professor	ECE	M.E. (ECE), B.Tech (ECE), Ph.d (Electronics)			22-08-2022
M D Sreekumar	30-11-1956	Vice Principal	ME	Ph.d (ME), M.Tech (CIM), M.tech (Production Engg), B.Sc Engineering (ME), Ph.d (Management), Ph.d Pursing (Management)			08-11-2021
Vishnu S Nair	26-12-1987	Assistant Professor	ME	M.Tech (Industrial Engineering & Management), B.Tech (ME)			29-01-2020
Arun Nair		Assistant Professor	ME	M.tech (ME)			16/07/2018
Pranav M P	28-11-1994	Assistant Professor	ME	M.Tech (Computer Integrated Manufacturing), B.Tech (ME)			02-08-2021
Gopika A S	14/06/1994	Assistant Professor	CE	M.Tech (Geotechnical Engineering), B-TECH (CE), DIPLOMA (CE)	NIL	-	17/06/2019
Reshmy M Raju	12/01/1992	Assistant Professor	CE	M.Tech (Environmental Engineering), B.Tech (CE)	1 yrs	8 m	17/06/2019

[Date]

Ajay A V	01-11-1993	Assistant Professor	ME	M.Tech (Computer Integrated Manufacturing), B.Tech (ME)			01-09-2021
Reshma C	30/12/1993	Assistant Professor	CE	M.Tech (Computer Aided Structural Engineering), B.Tech (CE)	2 yrs	-	03/07/2017
Abey Vishnu Narayan	30-05-1997	Assistant Professor	ME	M.Tech (Advanced Manufacturing & Mechanical Systems Design), B.Tech (ME)			04-10-2021
Vijeesh V V	23-01-1991	Assistant Professor	ME	M.tech (Thermal Engineering), B.Tech (ME)			20-10-2021
Arun Raj	11-05-1993	Assistant Professor	ME	M.Tech (Computer Integrated Manufacturing), B.Tech (ME)			20-10-2021
Vishnu M R	06-06-1990	Assistant Professor	ME	M.Tech (Machine Design), B.Tech (ME)			29-07-2019
Jinu Chandran	28-06-1993	Assistant Professor	ME	M.Tech (Thermal Power Engineering), B.E (ME)			31-03-2021
Ananthu Jayachandran	25-05-1993	Assistant Professor	ME	M.Tech (Machine Design), B.Tech (ME)			30-03-2021
Vineeth K	06-08-1991	Assistant Professor	ME	M.Tech (Computer Integrated Manufacturing), B.Tech (ME)			20-10-2021

[Date]

Ampady O	05/05/1993	Assistant Professor	ME	M.Tech(Thermal Power Engineering), B. tech(ME)			05/12/2022
Shaji Mohan B	21-05-1965	Principal	MAE	Ph.d (ME),M.Tech (Thermal Engineering),B.Tech (ME)			24-11-2021
Rajesh P R	20/05/1985	Assistant Professor	BS	MSC (Mathematics),BS C (Maths),BED (Mathematics),M PHIL (Mathematics)	10yrs		18/07/2018
Sreekanth S	11-11-1996	Assistant Professor	MAE	M.Tech (Thermal Engineering),B.Tech (ME)			13-09-2021
Smitha Sankar	01/06/1976	Assistant Professor	BS	M.Sc (Maths),B.Sc (Statistics),M Phil,BED (Maths)	15yrs		01/08/2018
Chippy R.S	09-08-1985	Assistant Professor	MBA	B.Tech (1 <sup>st</sup> Class), MBA (1 <sup>st</sup> Class), MPhil (1 <sup>st</sup> Class)	4 yrs	7 yrs	02-05-2015
Akhil Ghosh	31-05-1990	Assistant Professor	MAE	M.Tech (Computer Integrated Manufacturing),B E (MAE)			04-10-2021
Vishnu Vijayan	02-03-1990	Assistant Professor	MBA	B.Com(1 <sup>st</sup> Class), MBA (1 <sup>st</sup> Class)	2 yrs	5 yrs	20-11-2017

[Date]

Suresh S	30-05-1971	Assistant Professor	MAE	ME (Manufacturing Engineering), B.Tech (ME)			17-11-2021
Jaya Shankar	07-06-1972	Assistant Professor	MBA	B.Tech (1 <sup>st</sup> Class), M.Tech (1 <sup>st</sup> Class), MBA (2 <sup>nd</sup> Class)	12 yrs	1 yrs	09-07-2018
Sarath Raj	11-05-1988	HOD	MAE	M.Tech (Industrial Refrigeration & Cryogenic Engineering), B.Tech (ME), Ph.d (Bubble Dynamics and Thermal Destratification in Aerated Liquid Storage Tanks)			20-04-2022
Dr. Keshava Mohan	21-05-1954	Director & Academic Chairman	MBA	Ph.d (Organic Chemistry), Certificate 1 (Disaster Management), M.Sc (Chemistry), B.Sc (Chemistry), PGDHE (Higher Education), PGDDE (Distance Education), MBA (Education Management), Certificate 2 (Environment Science), Certificate 3 (Big Data)			20-06-2016
Akhil R	21-05-1990	Assistant Professor	MAE	MTech (Industrial Engineering & Management), BTech (ME)			24-11-2021

Dr. Leeba Thomas	25-05-1987	Assistant Professor	MBA	MBA (Human Resource Management), B. Sc (Electronics)		16-11-2020
Annamma Shaji	21-04-1993	Assistant Professor	MBA	M.COM (finance), B.COM (Finance & Taxation)		27-09-2022
Kshema Sekhar	04-12-1988	Sr. Senior Lecturer	MBA	MBA (Human Resource Management), B.C.A (BCA)		11-11-2020

**Organizational Chart & Process**



## VIII. FEE

### Fee Details, as approved by Govt. Of Kerala, for the Institution.

The present fee structure is given below. This is subject to change by Government from time to time.)

Annual Fee per student for four year B.Tech. Engineering	Seats to be filled up by the Commissioner for Entrance Examination 50%		Seats to be filled up by the Management 50%	
	Lower Income Group	Others	Management (Quota)	NRI (Quota)
<b>No of Seats</b>	25% seats	25% seats	35% seats	15% seats
<b>Yearly Tuition fees</b>	50,000/-	50,000/-	UP TO 99,000/-	UP TO 1,50,000/-
<b>Yearly Special Fees</b>	Nil	25,000/-	25,000/-	25,000/-
<b>Interest free Refundable Deposit for 4 years</b>	Nil	Nil	1,50,000/-	1,50,000/-

Time schedule for payment of fee for the entire program: **May 15<sup>th</sup> (Every Year)**

**No. of Fee waivers granted: 15 per year**

**Whether scholarships offered by the institute: Yes**

**Estimated cost of Boarding and Lodging in Hostels: Rs: 5500/m**

#### **A. Number of seats sanctioned with the year of approval:**

1. 4 Branches (CE, ME, EE, EC) from 2011-12 (**60 each**)
2. 5 Branches (CE, ME, EE, EC, MAE) from 2012-13 (**60 each**)
3. 5 Branches (CE, ME, EE, EC, MAE) from 2012-13 (**60 each**)
4. MBA from 2013-2014 (60 seats)
5. M.Tech (CE) from 2015-2016(24 seats) & M.Tech (ME) from 2015-2016(18 seats)
6. M.Tech (CE) from 2020-2021(18 seats) & M. Tech(ME) from 2020-2021(9 seats)

[Date]

**A. Number of students admitted under various categories each year in the last three years**

<b>Year</b>	<b>No. of branches and sanctioned intake</b>	<b>Govt. Seats</b>	<b>Management Seats</b>	<b>Total</b>
<b>B-Tech 2016-17</b>	5 branches 5x60=300	69	156	225
<b>2017-18</b>	5 Branches 5x60=300	24	115	139
<b>2018-19</b>	5 Branches 5x60=300	13	145	158
<b>2019-2020</b>	5 Branches 5x60=300	10	78	88
<b>2020-2021</b>	5 Branches 5x60=300	17	76	93
<b>2021-2022</b>	5 Branches 5x60=300	6	57	63
<b>M-Tech 2016-17</b>	2 Branches 24+18=42	6	6	12
<b>2017-18</b>	2 Branches 24+18=42	8	10	18
<b>2018-19</b>	2 Branches 24+18=42	7	9	16
<b>2019-2020</b>	2 Branches 24+18=42	4	4	8
<b>2020-2021</b>	2 Branches 18+9=27	10	3	13
<b>2021-2022</b>	2 Branches 18+9=27	7	3	10
<b>MBA 2018-19</b>	1 Branches 1x32=32	32	-	32
<b>2019-20</b>	1 Branches 1x12=12	12	-	12

**B. Number of applications received during last two years for admission under management Quota and number admitted.**

**2017-18      Applications received: 159                      Admitted: 115**  
**2018-19      Applications received: 191                      Admitted: 145**

<b>2019-2020</b>	<b>Applications received: 94</b>	<b>Admitted: 78</b>
<b>2020-2021</b>	<b>Applications received: 88</b>	<b>Admitted: 76</b>
<b>2021-2022</b>	<b>Applications received: 83</b>	<b>Admitted: 57</b>
M-Tech		
2017-18	<b>Applications received: 23</b>	<b>Admitted: 18</b>
2018-19	<b>Applications received: 17</b>	<b>Admitted: 16</b>
2019-20	<b>Applications received: 10</b>	<b>Admitted: 8</b>
2020-21	<b>Applications received: 13</b>	<b>Admitted: 13</b>
2021-22	<b>Applications received: 13</b>	<b>Admitted: 10</b>
MBA		
2018-19	<b>Applications received: 33</b>	<b>Admitted: 32</b>
2019-20	<b>Applications received: 18</b>	<b>Admitted: 12</b>

## **IX. ADMISSION PROCEDURE**

### **B-TECH**

- a) Candidates who have passed Higher Secondary Examination, Kerala, or Examination recognized as equivalent thereto, with Physics and Mathematics as compulsory subjects and Chemistry as one optional subjects with atleast 45% marks put together in the above subjects are eligible for admission. In case, the candidate has not studied Chemistry, the marks obtained in Computer Science shall be considered. In case the candidate has not studied Chemistry and Computer Science, the marks obtained in Biotechnology, shall be considered. In case the candidate not studied Chemistry, Computer Science & Biotechnology, the marks obtained in Biology shall be considered. The marks as shown in the mark list of the Board of Examination obtained from the respective Higher Secondary Board shall be considered for academic eligibility.
- b) In the case of Engineering Courses, candidates belonging to SC/ST/SEBC or PD the minimum mark obtained in Physics, Mathematics, Chemistry/Computer Science/Biotechnology/Biology taken together in qualifying examination shall be 40% instead 45%.
- c) Candidates should qualify for KEAM/ JEE.

- d) Candidates should have obtained a valid rank in the entrance examination conducted by the Commissioner for Entrance Examination Kerala.

### **M-TECH**

- a) The candidates shall have Degree in respective branches of engineering awarded by the Universities of Kerala, or equivalent.
- b) Candidates should have a minimum of 60% aggregate marks in the engineering degree examination. For SC/ST candidates a pass in the above mentioned degrees is sufficient
- c) Candidates with a valid GATE score will be given more preference.

### **MBA**

- a) Any degree recognized by the University Grants Commission (UGC) with  
50% marks for General Category  
40% marks for SEBC (OBC) Category  
A pass for SC/ST Candidates
- b) A valid CAT/CMAT/KMAT score card.

### **Kerala Technological University regulations**

#### **Duration of the course**

- a. The course for the B.Tech. Degree shall extend over a period of four academic years comprising of eight semesters and from third semester onwards shall cover the groups of subjects as given in the curriculum and scheme of examination.
- b. Each semester shall ordinarily comprise of not less than 72 working days with periods each of 60 minutes duration.
- c. A candidate, who could not complete the programme and pass all examinations within Six (6) years since his first admission to the B.Tech. programme, will not be allowed to continue and he/she has to quit the programme. However, he/she can be readmitted to the first year of the programme if he/she satisfies the eligibility norms applicable to the regular candidates prevailing at the time of readmission.

#### **Eligibility for the degree**

Candidates for admission to the degree of bachelor of technology shall be required to have undergone the prescribed course of study in an institution maintained by or

affiliated to the Kerala Technological University for a period of not less than four academic years and to have passed all the examinations specified in the scheme of study.

**Distribution of Seats for each branch:** The distribution of seats for various branches of Sree Narayana Institute of Technology, Adoor is as follows:

Course UG (B.Tech)	Government	Management &NRI	Fee Wavier	Lateral Entry From Second year onwards	Total
CE	30	30	3	6	69
ME	30	30	3	6	69
MAE	30	30	3	6	69
EEE	30	30	3	6	69
ECE	30	30	3	6	69
M.TECH CE	9	9	-	-	18
M.TECH ME	4	5	-	-	9
MBA	60	-	-	-	60

**Mention the admission test being followed, name and address of the Test Agency and its URL (website):**

1. Common Entrance Examination conducted by the Commissioner for Entrance Examinations, Govt of Kerala. website: [www.cee.kerala.gov.in](http://www.cee.kerala.gov.in)
2. JEE conducted by the NTA.

**Calendar for admission against management/vacant seats:**

- \*Last date for request for applications - **June 25<sup>th</sup>**
- \*Last date for submission of application - **July 5<sup>th</sup>**
- \*Dates for announcing final results - **July 10<sup>th</sup>**
- \*Release of admission list (main list and waiting list should be announced on the same day)-**July 11<sup>th</sup>**
- \*Date for acceptance by the candidate (time given should in no case be less than 15 days)-**July 26<sup>th</sup>**
- \*Last date for closing of admission – **July 31<sup>st</sup>**

\*Starting of the Academic session – **Aug 1st**

\*The waiting list should be activated only on the expiry of date of main list.

\*The policy of refund of the fee, in case of withdrawal, should be clearly notified.

**(The entire policies above are decided as per the directions given by the Govt. of Kerala and / or KTU from time to time**

### **CRITERIA AND WEIGHTAGE FOR ADMISSION**

- Describe each criteria with its respective weight
- Admission Test, marks in qualifying examination etc.
- Mention the minimum level of acceptance, if any.
- Mention the cut-off levels of percentage & percentile scores of the candidates in the admission test for the last three years.
- Display mark scored in Test etc. and in aggregate for all candidates who were admitted. **(All the above conditions are based on the directions given by the Govt. of Kerala and/or KTU from time to time).**

### **APPLICATION FORM**

Downloadable application form, with online submission possibilities (Application form for management seat attached as Appendix I; downloadable from the college website: [www.snit.edu.in](http://www.snit.edu.in)).

### **XII. LIST OF APPLICANTS**

- List of candidates whose applications have been received along with percentile/percentage score for each of the qualifying examination in separate categories for open seats.
- List of candidates who have applied along with percentage and percentile score for Management quota seats.

**(For open seats admission is as per the rank list put by the CEE)**

\*Admission process for government seat is completed for the current year.

### **XIII. RESULTS OF ADMISSION UNDER MANAGEMENT SEATS/ VACANT SEATS**

- ✓ Composition of selection team for admission under Management Quota with the brief profiles of members (This information be made available in the public domain after the admission process is over):

**1. Mr. K. SADANANDAN** **CHAIRMAN**  
(Chairman, Sree Narayana Institute of Technology, Adoor)

**2. Dr. SHAJI MOHAN B** **PRINCIPAL**  
(Principal, Sree Narayana Institute of Technology)

**3. Mr. ABYIN AMPADIYIL** **MANAGING DIRECTOR**  
(Managing Director Sree Narayana Institute of Technology & Pattayil Kunju Kunju Memorial Charitable Trust)

**4. Dr.KESAV MOHAN** **DIRECTOR**  
(Director, Academic Chairman and Director of MBA )

**5. HEADS OF DEPARTMENTS**

- Score of the individual candidates admitted arranged in order of merit.
- List of candidates who have been offered admission.
- Waiting list of the candidates in order of merit to be operative from the last date of joining of the first list candidates.
- List of the candidates who joined within the date, vacancy position in each category before operation of waiting list.

### **IV. INFORMATION ON INFRASTRUCTURE AND OTHER**

#### **RESOURCES AVAILABLE**

#### **Library facilities**

<b>Total area of the Library</b>	<b>: 4504 sqft</b>
<b>Seating capacity of the Library</b>	<b>: 156</b>

<b>Reprographic facility (Yes / No)</b>	<b>:Yes</b>
<b>Working hours of Library</b>	<b>: 8.30 am to 5.30pm</b>
<b>Library networking facility (yes / No)</b>	<b>: Yes</b>
<b>Annual Library budget(% of annual student fee collected)</b>	<b>: 2.4lakhs (5 %)</b>
<b>Usage data of the Library (in terms of books issued to the faculty &amp; students etc.)</b>	<b>:Attached</b>

### Details of Library Facilities

SI. No	Course(s)	No. of titles of the books	No. of Volumes	Journals	
				National	International
1	Civil Engg.	591	2894	5	1
2	Mechanical Engg.	832	3461	5	1
3	Electronics Engg.	758	3402	3	3
4	Electrical Engg.	602	2608	4	2
5	Mechanical Automobile Engg.	254	884	6	-
6	Maths, Physics, Chemistry, Humanities,	875	3370	-	-
7	MBA	1162	4771	6	6
8	M.TECH CE	100	416	6	6
9	M.TECH ME	83	465	6	6
<b>Total</b>		<b>5257</b>	<b>22271</b>	<b>41</b>	<b>25</b>

### Details of Laboratories and Workshops

Sl. No.	Name of the Course	Name of the work shop	Total area of Lab	Major Equipment's
1	All Branches	1. Engineering Workshop	200 m <sup>2</sup>	Fitting, carpentry, Foundry, Sheet Metal, Smithy, Plumbing

		2. Computer Lab	183.9m <sup>2</sup>	60PCs with internet facility
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## CIVIL ENGINEERING

### **SURVEY LAB**

Practical Surveying is conducted in two parts: Practical Surveying-I in Third Semester Civil Engineering and Practical Surveying-II in Fifth Semester Civil Engineering.

### **PRACTICAL SURVEYING-I- LIST OF EXPERIMENTS AND INSTRUMENTS CHAIN SURVEYING**

Familiarity with instruments used in Chain Survey- **Chain and its accessories**  
Area Calculation by Chain- **Chain and its accessories**

### **COMPASS SURVEYING**

Study of Prismatic compass- **Prismatic Compass**

### **PLANE TABLE SURVEYING**

Familiarity with instruments used in plane table- **Plane Table & and its accessories** Radiation Method of Plane Tabling- **Plane Table & and its accessories** Intersection Method of Plane Tabling- **Plane Table & and its accessories**

### **LEVELLING**

- ✓ Familiarity with instruments used in leveling- **Dumpy Level, Leveling Staff and its accessories**
- ✓ Simple Leveling- **Dumpy Level, Leveling Staff and its accessories**
- ✓ Differential Leveling- **Dumpy Level, Leveling Staff and its accessories**
- ✓ Inverted Leveling - **Dumpy Level, Leveling Staff and its accessories**

### **THEODOLITE SURVEYING**

- ✓ Familiarity with instruments in Theodolite Surveying – **Theodolite, Leveling Staff and its accessories**
- ✓ Measurement of Horizontal Distance and Level Difference – **Theodolite, Leveling Staff and its accessories**
- ✓ Determination of Height of wall using Theodolite -**Theodolite, Leveling Staff and its**

[Date]

accessories

### **STUDY OF INSTRUMENTS**

Electronic Theodolite, Automatic Levels, Distance meter, Subtense bar, Planimeter, Minor instruments etc.

### **PRACTICAL SURVEYING - II - LIST OF EXPERIMENTS AND INSTRUMENTS REQUIRED THEODOLITE SURVEY**

- ✓ Problems in heights and distances using: (a) Tangential and stadia Tacheometry(b) Trigonometric Leveling- Theodolite, Leveling Staff and its accessories
- ✓ Three point problem- Theodolite, Leveling Staff and its accessories
- ✓ Setting out of Simple curve using Theodolite- Theodolite, Leveling Staff and its accessories Total Station Survey, GPS survey & Data processing.

### **STRENGTH OF MATERIALS LAB**

- ✓ Maxwell reciprocal theorem (local made).

### **CONCRETE LAB**

- ✓ Vibrating machine fitted with time switch
- ✓ KW:0.37      HP:0.5
- ✓ Phase:1      RPM:2860
- ✓ Volts:220      AMPS:4
- ✓ Cat No:LM 17616

### **TRANSPORTATION ENGG LAB**

- ✓ Standard Penetrometers
- ✓ Range: 0 to 400 cm
- ✓ Least Count:1/10mm
- ✓ SL No :2881
- ✓ Cat No:LM17707

### **SURVEYORS COMPASS**

### **TILTING LEVEL**

### **AUTO LEVEL**

### **ENVIRONMENTAL ENGG LAB**

- ✓ Turbidity meter mode : 335 E
- ✓ Flame photometer : 1381 E
- ✓ BOD Incubator :40 CFT
- ✓ Centrifuge :E854/8 Remi make
- ✓ Spectrophotometer digital :304E
- ✓ Muffle furnace 5\*5\*10 Digital
- ✓ Auto Clave 12''\*20''with foot paddle
- ✓ Phosphate
- ✓ Iron Content
- ✓ Conductivity Meter
- ✓ pH meter model Testronix -511
- ✓ Distillation Apparatus

### GEOTECHNICAL ENGG LAB

- ✓ Tri-axial cell(38mm\*50mm)
- ✓ Range:0 to 300 lb/in<sup>2</sup> and 0 to 21 kg/cm<sup>2</sup>
- ✓ Supplier: Lawrence \$Mayo
- ✓ SIno:23041
- ✓ Cat No: LM17128
- ✓ SIno:23039

### PORE WATER PRESSURE APPARATUS

- ✓ Range: 0 to 150 lb/in<sup>2</sup>  
0 to 10.5 kg/cm<sup>2</sup>  
SIno:23040  
Cat No:LM17114

### VANE SHEAR APPARATUS

- ✓ 230V,50HZ,1PH,0.40 AMPS, 1/83 HP, 9W,1360 RPM
- ✓ SLNO:1720
- ✓ CAT NO:LM17217

### STRENGTH OF MATERIALS LAB (4th SEMESTER)

- ✓ Study of UTM, Torsion, Hardness and Impact Testing Machines
- ✓ Tension Test on M S, Tor steel – **Tension Testing Machine**
- ✓ Shear test on M S Rod–**Universal Testing Machine**
- ✓ Torsion test on M S Rod–**Torsion Testing Machine**
- ✓ Torsion test using Torsion Pendulum on M S-**Torsion Pendulum**
- ✓ Izod and Charpy Impact Test –**Impact Testing Machine**
- ✓ Hardness Tests (Rockwell and Brinell)-**Rockwell Hardness Testing Machine & Brinell Hardness Testing Machine**
- ✓ Spring Test (Open and Close Coiled)- **Spring Testing Machine**
- ✓ Bending Test on Wood- **Universal Testing Machine**

### CONCRETE LABORATORY (5<sup>th</sup> SEMESTER)

#### TESTS ON CEMENT

Tests on cement Standard consistency of cement – **Vicat Apparatus** Initial and final setting time of cement - **Vicat Apparatus** Compressive strength of cement- **Compression Testing Machine** Fineness of cement- **Sieve Analysis** Fineness of cement (Air permeability test - Demonstration only) -**Air Permeability Apparatus**

#### TESTS ON AGGREGATES (FINE AGGREGATE & COARSE AGGREGATE)

Particle Size Distribution and Grading – **Sieve Analysis**

Fineness Modulus, Bulk Density, Void Ratio and Porosity- Measuring Cylinder, Tamping Rod  
Bulking of Fine Aggregate -Specific Gravity of Fine Aggregate- **Pycnometer**

## **TESTS ON CONCRETE**

### **1. Tests on fresh concrete**

- ✓ Slump test
- ✓ Compaction factor test
- ✓ Vee- bee test (Demonstration only)
- ✓ Flow test (Demonstration only)

### **2. TESTS ON HARDENED CONCRETE**

- ✓ Compressive strength of concrete-Compression Testing Machine
- ✓ Modulus of elasticity of concrete Flexural and split tensile strength of concrete-Compression Testing Machine
- ✓ Rebound Hammer Test (NDT Demonstration only)

## **TESTS ON BRICKS AND TILES**

Compressive strength of burnt bricks-**Compression Testing Machine**

Water absorption tests on bricks

Transverse strength test on tiles (M P tiles and mosaic tiles)-**Split Tensile Testing machine**

## **TRANSPORTATION ENGINEERING LAB (6th SEMESTER)**

### **A) TESTS ON AGGREGATES**

Crushing Value Test- **Compression Testing Machine**& Measuring Cylinders, Tamping Rod Etc. Los-Angeles Abrasion Value Test-Los-Angeles Abrasion Testing Machine

Impact Value Test-**Impact Testing Machine**

Specific Gravity & Water Absorption Test of Coarse Aggregates- Wire Basket, Oven etc. Shape Tests – **Flakiness Index, Elongation Index & Angularity Number**

### **B) TESTS ON BITUMEN**

Ductility Test- **Ductility Testing Machine** Softening Point Test- **Ring and Ball Apparatus**  
Specific Gravity - **Pycnometer**

Flash Point& Fire Point Test- **Flash & Fire Point Apparatus** C) **TESTS ON SOIL**

Modified Proctor Compaction Test – **Modified Proctor Mould & Tamping Rod**

CBR Test- **CBR Testing Machine & Mould**

## **COMPUTER AIDED DESIGN AND DRAFTING LAB(6<sup>th</sup> SEMESTER)**

1. Preparation of Civil Engineering Drawings – Plan, Section and Elevation of Buildings.
2. Application of spreadsheets in Civil Engineering:
  - (i) BM and SF diagrams of cantilever simply supported and overhanging beams.
  - (ii) Analysis of continuous beams by moment distribution method.
  - (iii) Design of singly/doubly reinforced sections by limit state method.
3. Use of structural analysis software for analysis of simple two dimensional structures like

continuous beam, portal frame and plane truss.

4. Application of GIS in Civil Engineering – Preparation of Database and GIS analysis.

### **ENVIRONMENTAL ENGINEERING LAB (7<sup>th</sup> SEMESTER)**

#### **Analysis of water for any eight of the following:**

ACIDITY  
ALKALINITY  
HARDNESS  
SOLIDS  
DISSOLVED OXYGEN  
SULPHATES AND SULPHIDES  
IRON  
JAR TEST  
RESIDUAL CHLORINE  
NITRATES  
CHLORIDES

### **GEOTECHNICAL ENGINEERING LABORATORY-LIST OF EXPERIMENTS & EQUIPMENTS USED (7<sup>th</sup> SEMESTER)**

- ✓ Specific Gravity Test – **Pycnometer**
- ✓ Field Density Test: a) Core Cutter Method- Core Cutter
- ✓ Sand Replacement Method- Measuring Cylinder, Glass plate, Calibrating Cylinder, Glass Plate etc.
- ✓ Sieve Analysis- **IS Sieves**
- ✓ Hydrometer Analysis- **Hydrometer**
- ✓ Atterberg Limits Test- **Casagrande Apparatus**
- ✓ Permeability Test -**Permeability Testing Apparatus**
- ✓ Unconfined Compression Test-**Unconfined Compression Test Machine**
- ✓ Direct Shear Test-**Direct Shear Testing Machine**
- ✓ Consolidation Test- **Consolidation Testing Apparatus**
- ✓ Compaction Test- **Standard Proctor Mould & Tamping Rod**

## ELECTRONICS & COMMUNICATION ENGINEERING

Sl. No	Name of the Lab	Lab Equipment's
1.	Electronic Devices & Electronic Circuits Lab	Digital Storage Oscilloscope, Cathode Ray Oscilloscope, Digital LCR Meter, Function Generator, Linear IC Tester, DC Dual variable power supply, Rheostat, Decade Inductance Box, Decade Capacitance Box, Decade Resistance Box, DC Fixed Power Supply, Multimeter
2.	Digital Electronics Lab	Digital IC Tester, Digital Trainer Kit. Multimeter, , Decade Capacitance Box, Function Generator, Cathode Ray Oscilloscope, DC Dual variable power supply
3.	Digital Signal Processing Lab	DSP Kit, Digital Storage Oscilloscope
4.	Electronic product design & Mini project Lab	Digital Storage Oscilloscope ,Cathode Ray Oscilloscope ,Function Generator ,Dual Variable Power Supply ,Dual Fixed Power Supply ,Multimeter ,Digital LCR Meter ,Moving Coil DC Ammeter, Decade Inductance Box ,Decade Capacitance Box ,Digital IC Trainer Kit ,IC Tester ,Soldering And Desoldering Station ,PCB Prototyping Machine ,PCB Art Work Table ,PCB Shearing Machine ,PCB Drilling Machine, PCB Designer Kit
5.	Microcontroller Lab	8051 Microcontroller Trainer Kit With Keyboard , PIC Microcontroller Trainer Kit ,Embedded Trainer Kit PIC Microcontroller Development Board , ADC 0809 Interfacing Module , DAC 0800 Interfacing Module , Stepper Motor Controller Card With Motor , 5x4 Keys Matrix Keyboard Interfacing Module, 16x1 And 16x2 LCD Display Module , Traffic Light Controller Module ,Temperature Measurement Module , DC Motor Controller Card
6	Analog Integrated circuits/ Industrial Electronics lab	Digital Storage Oscilloscope (DSO), Cathode Ray Oscilloscope, Function Generator ,DC Dual Power Supply ,DC Multiple Output Power Supply , Multimeter Digital And Analog ,Moving Coil DC Ammeter , Moving Coil DC Voltmeter ,Rheostat ,LCR Digital Meter , Integrated Circuit Tester, Decade Inductance Box ,Decade Capacitance Box, Decade Resistance

[Date]

7	Communication Engineering / Communication Systems lab	Digital Storage Oscilloscope ,Cathode Ray Oscilloscope , Function Generator , Digital Integrated Trainer Kit ,DC Dual Variable Power Supply ,DC Multiple Output Power Supply ,Rheostat ,Decade Inductance Box ,Decade Capacitance Box ,Decade Resistance Box ,Moving Coil DC Ammeter , Moving Coil DC Voltmeter , Digital Multimeter ,Integrated Circuit Tester , Digital LCR Meter ,Analog Multimeter
8	Microwave &Optical Communication lab	Reflex Klystron, Gunn Diode, Antenna Radiation Pattern , Optical Fiber Kit, Directional Couplers ,E -plane , H -plane, Magic Tee , Circulators Optical Fiber , Laser Diode Kit
9	Industrial Electronics Lab	Digital Storage Oscilloscope, Cathode Ray Oscilloscope, Function Generator, Linear IC Tester, DC Dual variable power supply ,Multimeter

### MECHANICAL ENGINEERING

Sl. No	Name of the Lab	Lab Equipments
1.	IC Engine Lab	Four Stroke Four Cylinder Petrol Engine Test rig with Hydraulic dynamo meter, Variable Compression Ratio Petrol Engine Test rig with Eddy Current Dynamo Meter, Four Stroke Single Cylinder Diesel Engine Test rig with mechanical rope brake loading, Four Stroke Twin Cylinder Diesel Engine Test rig with AC Generator, Single stage Air Compressor Test rig, Two stage Air Compressor Test rig, Centrifugal air blower test rig, Cut Section of Four Stroke Single Cylinder Diesel Engine test rig, Cut Section of Four Stroke Single Cylinder Petrol Engine test rig, Junker's Gas calorimeter apparatus, Saybolt viscometer apparatus , Red wood viscometer, Pensky-Martens Flash Point Apparatus, Bomb Calorimeter Apparatus,
2	Machine Shop	Lathe, Shaper, Slotting, Machine, Power hacksaw, Planing machine, Bench grinder, Radial drilling machine, Horizontal milling machine, Vertical milling machine, Tool & Cutter, Cylindrical, Grinding machine. Surface grinding machine, Bench drilling machine
3	FM Lab	Venturi meter, Orifice meter, Rectangular & Triangular Notch, Single Stage Centrifugal Pump, Double Acting Reciprocating Pump, Pelton Wheel, Francis Turbine and Kaplan turbine, Pipe Friction Apparatus.
4	MECH ENGG LAB	Micrometers, Vernier Caliper, Universal Microscope (Spinneretscope), Profile Projector, Tool Maker's Microscope, Angular Measuring Instruments

[Date]

6	Thermal Engg Lab	Lagged pipe apparatus, Stefan-Boltzman apparatus, Composite wall, Natural convection apparatus. Forced convection apparatus, Parallel flow and counter flow heat exchanger, Refrigeration apparatus. Vapour compression air-condition equipment Emissivity apparatus, Rotary compressor Pressure gauge, Thermo couple Pitot tube
7	Basic Mechanical Workshop	Bench vice, Files ,Hacksaw, Chisel, Tongs, Anvil, Wiregauge,Hammers,Punch,runner,riser,screwpin,bellows,shovel,strikeoffbar,MouldingBox ,Pattern,trovel,rammers,T-square,Scriber,SteelRule,Mallet,Poker,Metal Jack Plane, Spanner, Oil can, Monkey plier,Die set, Spirit level, pipe cutter,pipe wrench,chain wrench,pipe vice allen key,socket spanner,cirelip o ring,oil seal,bearing pipe fitting,tap,couplings,g-cramp,combination set,try square carpentry bench vice,grinding machine trammel,u-clamp, v-block micrometer,combination set,snips drilling machine,calipers,seissors universal surface gamge,welding machine soldering iron,hand lever shear leg vice,blower,wire cutter,grover,cutting knife hand sam,pvc nylon hammer machine metal cutter.

**1. GAUGES**

- ✓ Bore gauge
- ✓ Dial gauge
- ✓ Dial thickness gauge
- ✓ Radius & Fillet gauge
- ✓ Cylinder dial bore gauge

**2. AUTO COLLIMATOR**

**3. LVDT TRAINER**

**4. LATHE TOOL DYNAMOMETER**

**5. MILLING TOO; DYNAMOMETER**

**6. SIX AXIS ROBOTICS PLATFORM**

**7. PLC TRAINER**

**8. METALLURGICAL MICROSCOPE**

**9. SINGLE DISK POLISHING MACHINE**

**10. DOUBLE DISK POLISHING MACHINE**

**11. DIAL INDICATOR WITH STAND COMPARATOR.**

**ELECTRICAL & ELECTRONICS ENGINEERING ELECTRICAL & ELECTRONICS  
ENGINEERING**

Sl. No	Name of the Lab	Lab Equipment's
1	Electrical Machine Lab	DC Shunt Motor (3KW,220 V, 1500 rpm), DC Series Motor with mechanical load(2.2 KW, 220W, 1500 rpm), DC Compound Motor (3KW,220 V, 1500 rpm), DC Shunt Generator (2.2 KW, 220W, 1500 rpm), DC Compound Generator ((2.2KW, 220W, 1500 rpm), DC Shunt Motor with Mechanical load(2.2 KW, 220W, 1500 rpm), Single Phase Transformer 230/230 V, 2KVA, 3 Phase Transformer 415/415 V, 5KVA,4 Pole Slip ring induction motor with mechanical load (3HP , 415 V ,50 HZ,1440rpm), Induction Motor with mechanical load(5 HP, 440 V,50 HZ,1440rpm), 5 HPDC shunt motor coupled with 3 KVA Salient Pole alternator.
2	Power System Lab	Sphere Gap Apparatus (150mm Horizontal), Sphere 50mm with Adaptor, String Disc Insulator, HV Capacitance Divider – 100KV, HV Insulation Tester – 30KV, Oil Test kit – 60KV HV Cable Tester – 30V DC, Universal Relay Source, EM Over Current Relay Unit, EM Under Voltage Relay Unit EM Over Voltage Relay Unit, Static Over Current Relay Unit Static Under Voltage Relay Unit, Static Over Voltage Relay Unit, Earth Tester (Crank type ), Power Factor Improvement Unit, CT 50/5A With Enclosure, PT 440/110V With Enclosure, Transmission Line Simulation Unit Energy Meter Test Kit – 3 Phase, Transient Stability Study Kit, Lightning Impulse Generator – 150 KV,5 Stage CT Test Kit , 5A/1A PT Test Kit

[Date]

3	Systems and Control Lab	Cathode Ray Oscilloscope – 30MHz, Signal Generator – 3MHz, PID Control System, Synchro Transmitter and Receiver Kit, PLC Trainer Kit, AC Servo Motor Study Trainer, DC Servo Motor Study Trainer, Flow Control Set Up Using PID Controller, Level Process Control Using PID Controller, Temperature Process Control Using PID Controller, Digital Multi meter, Bread Board
4	Electrical Workshop	Combination Plier, Long Nose Plier, Screw Driver, Wire Stripper, Poker, Hacksaw Frame, Mini Hacksaw Frame, Line Tester, Claw Hammer, Ball Peen Hammer, Flat File Soldering Iron, Soldering Iron Stand, Desoldering pump Single Phase Energy Meter, Double Pole Main Switch 240V,32A, Eight Way single Phase DB, ELCB 40A,2 Pole MCB 6A,Single Pole
5	Measurements & Instruments Lab	Load measurement trainer module, Temperature trainer module with thermocouple, Temperature measurement module using thermistor, Temperature measurement module using RTD, Portable Kelvin’s double bridge Slide wire potentiometer two range, Vernier Potentiometer Wheastone’s bridge , Cathode Ray Oscilloscope (30MHz) Signal Generator (3 MHz), DC Variable power supply (0-15V, 30V), 2 Volt fixed electronic supply Electronic standard cell, Volt ratio box (300V) Knife switch (SPDT 30A), 3-phase Autotransformer Single phase Autotransformer, 3-phase resistive load Phase shifting Transformer, Iron ring specimen Standard Resistance (0.1 ohm, 5A/10 ohm, 3A) Rheostat (500 ohm, 5A/90 ohm, 8.5A/290 ohm, 2.8A), AC Voltmeter (0-600V/ 0-300V/ 0-60V), AC Ammeter (0-2A/0-5A/0-15A), DC Voltmeter (0-100mV/0-500mV/0-5V/0-10V/0-250V), Single Phase energy meter, 3-phase energy meter, Spot reflecting Galvanomter, Analog stop watch Analog Galvanometer (30-0-30), Digital multi meter UPF wattmeter (0-150/300V, 10A /0-300/600V, 20A /0-250V, 10A), LPF wattmeter (300/600V)
6	Microprocessor lab	8085 Microprocessor Trainer Kit, ADC Interfacing Module, ADC Interface Card, Stepper Motor Interfacing Card, DC Motor Interface With Motor, 8255 Study Card+FRC,8086 Microprocessor Trainer Kit

## 1. **POWER ELECTRONICS LAB**

- ✓ Digital Multimeter
- ✓ Function Generator
- ✓ DC power supply
- ✓ Cathode Ray Oscilloscope
- ✓ IGBT Characteristics

- ✓ SCR Triggering Circuit
- ✓ Step down chopper
- ✓ Speed control of AC motor using TRIAC
- ✓ AC voltage control by TRIAC
- ✓ Single phase controlled Rectifier
- ✓ Buck boost converter
- ✓ DCvoltmeter (300v,30v,15v,5v)
- ✓ Ac voltmeter (0-250 v)
- ✓ DC ammeter (500rA,500mA)

## 2. **POWER SYSTEMS LAB**

- ✓ Computer- 10.

## 3. **ELECTRICAL WORKSHOP**

- ✓ Multimeter
- ✓ Bench Vice
- ✓ Extension board
- ✓ Switches and Sockets
- ✓ Bell & Bell Switch

## 4. **MACHINES LAB**

- ✓ Pole Changing induction motor
- ✓ Single phase induction motor
- ✓ Induction generator
- ✓ Synchronous motor

## **M-TECH**

## 1. **STRUCTURAL ENGG AND DYNAMICS RESPONSE LAB**

- ✓ Ultrasonic pulse velocity apparatus
- ✓ Accelerated curing tank for 24 mould with cooling & heating
- ✓ Concrete mixer 1 cft capacity motorized
- ✓ Needle vibrator with flexible shift
- ✓ Beam mould 100\*100\*500mm-4Nos
- ✓ Cylindrical mould 150\*300 mm ht-4 nos
- ✓ Horizontal shake table with eccentric cam (harmonic base motion).
- ✓ Experimental models consisting of 12 models shake table instrumentation with laptop.
- ✓ Loading Feame 100 ton steel fabricated frame structure.
- ✓ Computer - 16

## 2. **BASIC CIVIL ENGG LAB**

- ✓ Plumbing tools and accessories

✓ Brick(250 nos)

### List of facilities available.

Basic Engg. Workshop	1. Smithy	2. Fitting	
	3. Carpentry	4. Foundry	
	5. Welding	6. Plumbing	
	7. Sheetmetal		

Computer Lab: 67 Nos. PCs with 1:1 100 Mbps internet Facility, Language Lab: 30 Nos. PCs with 1:1 100 Mbps internet Facility

### Games and Sports Facilities

The institute has provided games like Volley Ball, Cricket and Chess and has plans to provide indoor games like Carom, Table Tennis etc.

Facilities will be provided soon for dance and music practice also.

### Audio-Visual Facilities:

**Audio-Visual gadget like LCD Projector is available. All class rooms are connected to central Public Address system.**

Number of Classrooms and size of each:	5x90 m <sup>2</sup>
Number of Tutorial rooms and size of each:	2x50 m <sup>2</sup>
Number of laboratories and size of each:	200m <sup>2</sup> +184m <sup>2</sup>
Number of drawing halls and size of each:	2 x185 m <sup>2</sup>
Number of Computer Centers with capacity of each:	2x150 m <sup>2</sup>

### Central Examination Facility, Number of rooms and capacity of each:

**All class rooms and drawing halls-Total capacity300 at a time**

## XVI. Teaching Learning process

Curricula and syllabi for each of the programmes as approved by the University:

**(Attached as Appendix III)**

Academic Calendar of the University:	Being Printed
Academic Time Table:	<i>(Attached as Appendix IV)</i>
Teaching Load of each Faculty:	<i>14-16hours per week including labs</i>
Internal Continuous Evaluation System and place:	<i>Based on tests and assignments</i>
Students' assessment of Faculty, System in place:	<i>Periodic feedback will be taken.</i>