

CEPTA

TECHNICAL KRITHI

DEPARTMENT OF CIVIL ENGINEERING



SREE NARAYANA INSTITUTE OF TECHNOLOGY
ADOOR

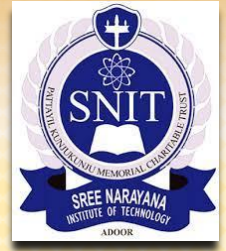


SREE NARAYANA INSTITUTE OF TECHNOLOGY, ADOOR

DEPARTMENT OF CIVIL ENGINEERING

CEPTA

NEWSLETTER



“TECHNICAL KRITHI”

e-Newsletter
June, 2022

We are celebrating

1st

*“The Engineer has been, and is,
a maker of history.”*

-James Kip Finch

Anniversary

It's the moment of rejoice and happiness! Your blessings and support have always been the biggest drivers of our growth and look forward to the same for the coming years also.

~ Team CEPTA

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As I write this column, I'm acutely aware of how a year has flown past with its own highs and lows and I have learned in this one year that impossible is just an opinion. Technical Krithi serves as an avenue for all the aspirant Civil Engineers of SNIT to put down their take on the world. And what makes me happy is that, I could be a part of it. I'm indebted to CEPTA, association of Civil Engineering Department of our college, for providing me such an opportunity.

I think this is a good opportunity to point out that, release of newsletter at each month is a team effort and there were a lot of people in the process. All the people, I have worked with, have been willing to spend time to share wisdom and knowledge and that is a wonderful thing to be a part of. Thanks to all of them!

I would like to especially thank Mrs. Lekshmi Priya R., the co-ordinator of our newsletter, who has been the greatest support in publishing the newsletter. Needless to say, without the blessings of the lord Almighty, it would have not been a successful venture.

We are looking forward for your blessings and support.

Aradhya Anna Alex

ENVIRONMENTAL DAY

“Only One Earth”

World Environmental Day is a day that reminds everyone on the planet to get involved in environmental- friendly activities. People come together to pledge towards building a greener planet. Keeping this aim in view, the Department of Civil Engineering celebrated World Environmental Day on 6th of June, 2022. Ms. Riyana M.S., Asst. Professor & HoD, Dept. of Civil Engineering delivered a speech on the importance of protecting our environment. Ms. Akshara K.P., P.G. student, S4/SECM, presented the Environmental Day message. All the students of M.Tech. and B.Tech. participated and celebrated the day enthusiastically by cleaning the campus.



AITHIHA 2022

The cultural fest of SNIT Adoor- ‘Aithiha 2022’ was organized on 3rd and 4th of June, 2022. The fest was inaugurated by the cine artist, Ms. Prayaga Rose Martin. Dr. Shaji Mohan B., the Principal, SNIT Adoor presided over the inaugural function. Er. Abyin Ampadiyil, Managing Director, Dr. Keshav Mohan, Academic Chairman, Dr. Sreekumar, Vice Principal, and Prof. N. Radhakrishnan Nair, Academic Co-ordinator felicitated. Mr. Midhun P, college union chairman shared his feelings and experiences in organizing the fest.

Various departments organised different programs on these two days which includes Babsified, Voice of Aithiha, Chendamelam Fusion, Weapon Expo, Liquid Disco, Auto Expo, Auto Quiz, etc. The music show by the team ‘Aalmaram’ was the major point of attraction of the event.



NCATES '22

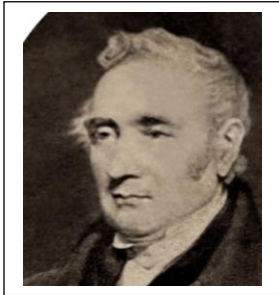


On 23rd and 24th June, 2022, the Dept. of Civil Engineering successfully organized a 2- days National Conference on 'Advanced Trends in Engineering and Sustainable Innovations'. The conference was inaugurated by Dr. Ayoob S., Pro-Vice Chancellor, APJ Abdul Kalam Technological University. The function was presided over by the Principal, Dr. Shaji Mohan B., Er. Abyin Ampadiyil, Managing Director, SNIT Adoor, lighted the lamp commemorating Sir M. Visvesvarayya. Dr. B. Sunil Kumar (Director, IIC, Chavara) delivered the keynote address. The inauguration ceremony was blessed with the presence of Dr. P. G. Bhaskaran Nair (Former P.G. Dean, SNIT Adoor & Principal NSS College of Engineering, Palakkad). Dr. Sunil Kumar N. (Professor & Head, Dept. of Civil Engineering, Cochin University College of Engineering, Kuttanad), Dr. Keshav Mohan (Academic Chairman SNIT Adoor), Dr. M. D. Sreekumar (Vice-Principal, SNIT Adoor), Prof. N. Radhakrishnan Nair (Academic Co-ordinator, SNIT Adoor) felicitated. Ms. Lekshmi Priya R., the co-ordinator of the conference gave vote-of-thanks.

During the day, conference participants had the opportunity to discuss topics and develop recommendations. Various topics in Civil as well as Mechanical Engineering were presented in the conference. Among the 36 projects presented in the conference, the project- 'Retention of Iron Oxide Using Oil Palm Fibre Amended Red Soil-Bentonite Landfill Liner' presented by Ms. Aishwarya A., P.G. student, Marian College of Engineering, Trivandrum, was selected as the best paper. All the participants were given certificates of participation in the valedictory function by Dr. Sunil Kumar N., Dr. Hridya P. (Scientist, CIDRIE, Muthoot Institute of Technology and Science and Dr. Kishore P. (Director, Habilete Learning Solutions).



MoU was signed between Indian Institute of Infrastructure & Construction and Sree Narayana Institute of Technology on 1st of June, 2022



HAPPY BIRTHDAY

GEORGE STEPHENSON

George Stephenson was born on 9th June, 1781. He was an English Civil Engineer and Mechanical Engineer. Renowned as the "Father of Railways", Stephenson was considered by the Victorians, a great example of diligent application and thirst for improvement.

In 1815, aware of the explosions often caused in mines by naked flames, Stephenson began to experiment with a safety lamp that would burn in a gaseous atmosphere without causing an explosion. Despite his lack of scientific knowledge, Stephenson, by trial and error, devised a lamp in which the air entered via tiny holes, through which the flames of the lamp could not pass.

His chosen rail gauge, sometimes called "Stephenson gauge", was the basis for the '1.435 m' standard gauge used by most of the world's railways. Built by George and his son Robert's company Robert Stephenson and Company, the Locomotion No. 1 was the first steam locomotive to carry passengers on a public rail line, the Stockton and Darlington Railway in 1825. George also built the first public inter-city railway line in the world to use locomotives, the Liverpool and Manchester Railway, which opened in 1830.

IMPORTANT DAYS IN JUNE

WORLD FATHER'S DAY- 3RD JUNE

Father's Day celebrates annually on **third Sunday of June** in United States, United Kingdom, Canada, India and a number of other countries around the world. In 2022, it was celebrated on 19th of June. We celebrate Father's Day to honour the men who embrace the essential role of fatherhood. On this day, we thank fathers and father figures for their sacrifices, for assuming the responsibility of nurturing and raising children and devotion to their family.



WORLD HYDROGRAPHY DAY- 21ST JUNE

Every year, on June 21, World Hydrography Day is celebrated. The day was approved and implemented by the International Hydrographic Organisation (IHO). International Hydrographic Organisation (IHO) which works on the issues of marine life was established in 1921. The Monaco-based organisation became a face for highlighting the issues related to navigation, technical standards and protection of marine life to the government. However, with time, they felt the need to increase awareness among people related to hydrography, to bring out a bigger change. In 2005, they decided to observe World Hydrography Day.

The organisation voiced their idea in front of the United Nations General Assembly which liked the idea and welcomed the initiative. It was later adopted as a resolution in UNGA and since then, World Hydrography Day is observed every year on June 21 which is also the anniversary of the IHO. The idea of celebrating World Hydrography Day is to create awareness about the safe marine practices and navigation of the sailors in the world. The day aims to promote the importance of hydrography and highlight the work of hydrographers.

NATIONAL READING DAY- 19TH JUNE

"A reader lives a thousand lives before he dies. The man who never reads lives only one." – Jojen Reed

National Reading Day is celebrated to honour the father of the 'Library Movement in Kerala', late P. N. Panicker, whose death anniversary is on June 19. In 2017, Indian Prime Minister Narendra Modi declared June 19, Kerala's Reading Day, as National Reading Day in India. The following month is also observed as National Reading Month in India.



STUDENT'S CORNER...

MEYDAN ONE

Meydan One consists of the world's tallest residential tower, a mall with a retractable skylight, 2,050 hotel rooms and suites, the world's longest indoor ski slope at 1kilometre long, 4,84,376 square feet of office spaces, a 18,29,865 square feet central park, and much more. Meydan One is set apart as a fully integrated destination, unique even by Dubai's pacesetting standards. The location alone is a major strategic asset, situated on the confluence of major highways, surrounded by lush natural features, and linked directly to the Arabian Gulf by a man-made waterway.

Meydan One's four-kilometre navigable waterway will enable residents and visitors to enter the Marina straight from the Arabian Gulf, with berths available for yachts and power boats of all sizes. Visitors also have easy access to Dubai One Tower, Meydan One Mall, and the Grand Plaza, by walking across a scenic bridge or by taking a convenient water taxi. Thus, allowing them to enjoy the facilities of the exclusive Yacht Club Restaurant and the Marina View Lounge. As the official civic plaza of Dubai, the Grand Plaza will also be the meeting place for the Meydan One residential community. The Grand Plaza will have the capacity to host up to 30,000 people, and be home to a floating stage for concerts and events. It will also feature Meydan One Mall fountains, fronted by a dynamic boardwalk with extensive restaurants and cafés offering residents and visitors an exquisite experience.

The infrastructure and design of the plaza helps to provide the community with a place where different types of events can be held. Civic gatherings, UAE National Day celebrations, concerts, art festivals, and fashion shows, are but a handful of spectacles the plaza can and will accommodate. Boasting two enormous wave pools, Meydan One Water Park is Dubai's latest distinctive attraction. The water slide takes passengers on a white-knuckle ride through a series of flumes and funnels, before blasting them into the Flood Plain, a massive South Seas inspired lagoon. For the truly adventurous, there's The Dip that dunks the diver into the Crystal Lagoon.



Karishma Kathiresh
S2/SECM

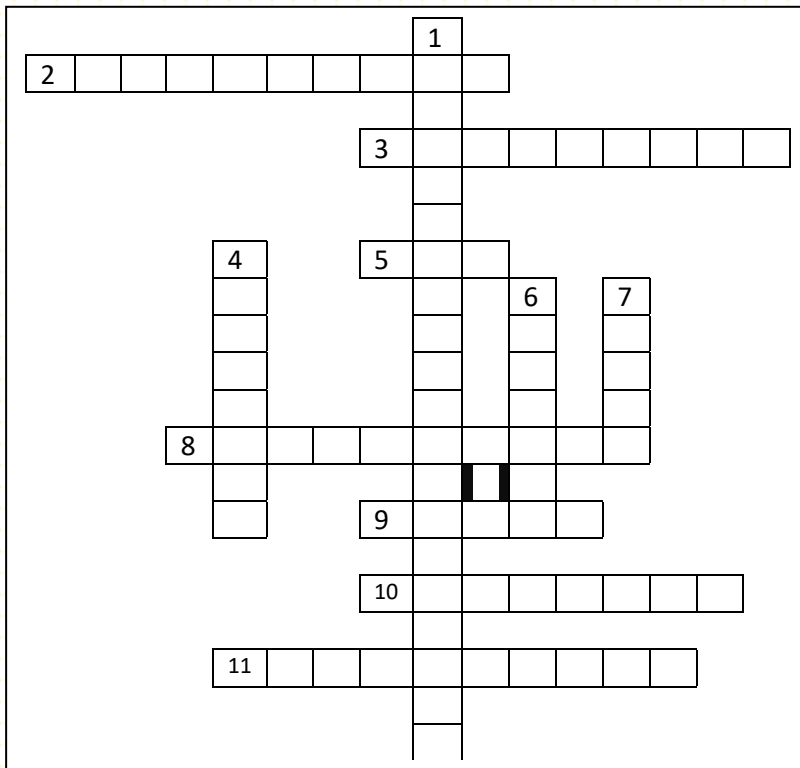
DO YOU KNOW

??

DIMENSIONS

- ◆ Height of Parapet wall = 1m
- ◆ Thickness of DPC = 2.5 mm
- ◆ Minimum thickness of slab = 125cm
- ◆ Number of cement bags in 1 m^2 = 28.8 bags
- ◆ Weight of 1 bag of cement = 50kg
- ◆ Minimum lintel thickness = 15 cm
- ◆ Slope of staircase = 25 degree to 40 degree
- ◆ Nominal cover
 - Footing = 50 mm
 - Column = 40 mm
 - Slab = 20 mm
 - Beam = 25mm

LET'S FIND OUT



ACROSS

- 2) One of the impurities in waste water is
- 3) Roof of a building that is partially or completely covered with vegetation planted over a waterproofing membrane
- 5) An example of a utility
- 8) The lower part of a building
- 9) An example of a utility
- 10) Weight of a structure excluding weight of goods
- 11) Used water is called?

DOWN

- 1) The effort to reduce runoff into streets, lawns and the improvement of water quality
- 4) The weight of people or goods in a building or vehicle
- 6) One of the newest and most popular pipes to hit the plumbing market
- 7) What colour code is assigned to sewer?

LET'S CHECK IT OUT

	4		7		5	1	2	
		7	1		6	5		4
							9	
			8	7			3	
						6		1
			5			9		
6					3			
4		8			9		5	
9								

Answers

SUDOKU- May, 2022

5	3	4	6	7	8	9	1	2
6	7	2	1	9	5	3	4	8
1	9	8	3	4	2	5	6	7
8	5	9	7	6	1	4	2	3
4	2	6	8	5	3	7	9	1
7	1	3	9	2	4	8	5	6
9	6	1	5	3	7	2	8	4
2	8	7	4	1	9	6	3	5
3	4	5	2	8	6	1	7	9

CROSSWORD- May, 2022

ACROSS:

- 1) BEAM
- 2) FLOORPLAN
- 3) ARCHITECTURAL PLAN

DOWN:

- 4) DIMENSION
- 5) ARCHITECT

HAPPY BIRTHDAY



Ms. Riyana M. S.
HoD & Assistant Professor
10th June



Ms. Gopika A. S.
Assistant Professor
14th June



Vyshnav N.
(S4/CE)
June 4



Sunitha S.
(S8/CE)
June 10



Binitha Benny
(S8/CE)
June 11



Aradhya Anna Alex
(S4/SECM)
June 11



Rishna K. Raman
(S4/SECM)
June 11



Priya S. Mathew
(S4/SECM)
June 12

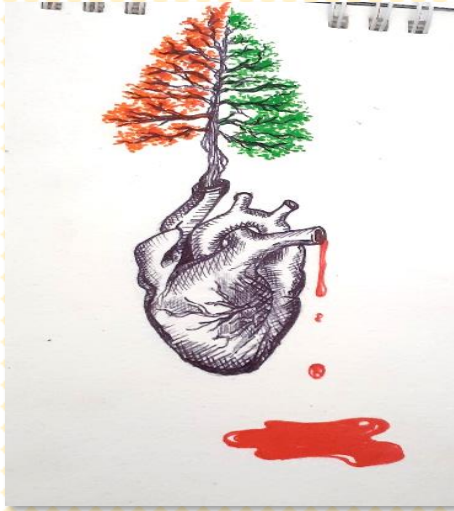


Mekhana Gopal
(S2/SECM)
June 19



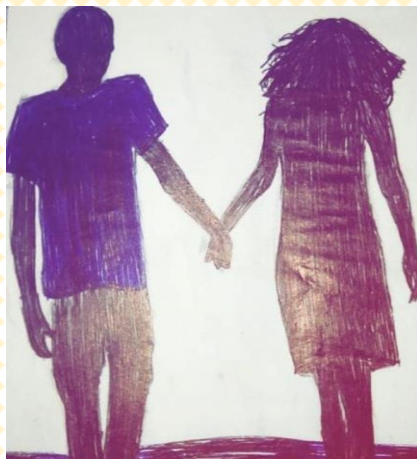
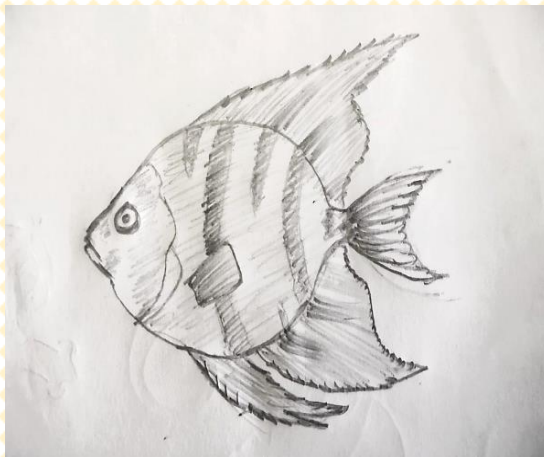
Shruthi S.
(S6/CE)
June 20

ARTIST'S CORNER



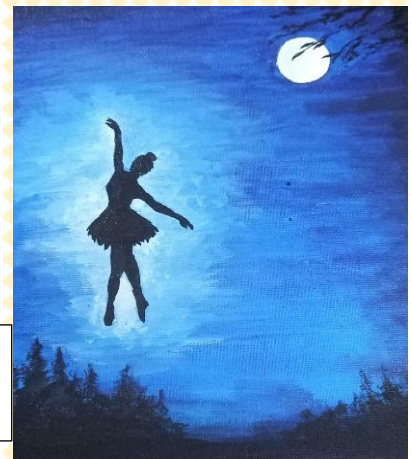
Arjun R.
S8/ CE

Mekhana Gopal
S2/ SECM



Karishma Kathires
S2/ SECM

Athira Surendran
S2/ SECM



ALUMNI CORNER



HENNA SALAM
B.Tech, Civil Engineering
(2012-'16 Batch)
M.Tech, Structural Engineering and
Construction Management
(2016-'18 Batch)
hennasalam05@gmail.com
Mob: +919544172388

5 Years' Experience

Presently

- ✚ Design Coordinator
Archadeo Homes L.L.P
Mavelikkara, Alappuzha
- ✚ Structural Engineer
Baker Associates and Consultants
Edappally, Ernakulam



PRABHUL PRASAD
B. Tech, Civil Engineering
2016-'20 Batch
prabhulprasad97@gmail.com
**Mob: +917907151401,
+918281134442**

2 Years' Experience

- ✚ Project Engineer
RNA Builders NG, Mumbai



ACHIEVEMENTS

SREE NARAYANA INSTITUTE OF TECHNOLOGY,
ADOOR

National Conference on
Advanced Trends in Engineering & Sustainable Innovations

Certificate

This is to certify that Mr./Ms. PRIMA S. MATHEW of SREE NARAYANA INSTITUTE OF TECHNOLOGY, ADOOR has participated / presented a paper in the "National Conference on Advanced Trends in Engineering & Sustainable Innovations, (NCATES-22)" for the paper title BUCKLING ANALYSIS OF CONCRETE FILLED LEAN DUPLEX STAINLESS STEEL COLUMN USING ANALYSIS organised by Department of Civil Engineering, Sree Narayana Institute of Technology, Adoor, Kerala on 23rd and 24th June, 2022.

Ms. Riyana M. S.
Convener,
Organizing Committee

Ms. Lekshmi Priya R.
Co-ordinator,
Organizing Committee

Dr. Shaji Mohan B.
Principal

SREE NARAYANA INSTITUTE OF TECHNOLOGY,
ADOOR

National Conference on
Advanced Trends in Engineering & Sustainable Innovations

Certificate

This is to certify that Mr./Ms. ASHLI S. KUMAR of SREE NARAYANA INSTITUTE OF TECHNOLOGY, ADOOR has participated / presented a paper in the "National Conference on Advanced Trends in Engineering & Sustainable Innovations, (NCATES-22)" for the paper title STATIC ANALYSIS OF TIED ARCH BRIDGE organised by Department of Civil Engineering, Sree Narayana Institute of Technology, Adoor, Kerala on 23rd and 24th June, 2022.

Ms. Riyana M. S.
Convener,
Organizing Committee

Ms. Lekshmi Priya R.
Co-ordinator,
Organizing Committee

Dr. Shaji Mohan B.
Principal

SREE NARAYANA INSTITUTE OF TECHNOLOGY,
ADOOR

National Conference on
Advanced Trends in Engineering & Sustainable Innovations

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This is to certify that Mr./Ms. ARADHYA ANNA ALEX of SREE NARAYANA INSTITUTE OF TECHNOLOGY, ADOOR has participated / presented a paper in the "National Conference on Advanced Trends in Engineering & Sustainable Innovations, (NCATES-22)" for the paper title RESPONSE SPECTRUM ANALYSIS OF REGULAR AND IRREGULAR BUILDING WITH AND WITHOUT BRACING organised by Department of Civil Engineering, Sree Narayana Institute of Technology, Adoor, Kerala on 23rd and 24th June, 2022.

Ms. Riyana M. S.
Convener,
Organizing Committee

Ms. Lekshmi Priya R.
Co-ordinator,
Organizing Committee

Dr. Shaji Mohan B.
Principal

SREE NARAYANA INSTITUTE OF TECHNOLOGY,
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This is to certify that Mr./Ms. REENU RAJAN of SREE NARAYANA INSTITUTE OF TECHNOLOGY, ADOOR has participated / presented a paper in the "National Conference on Advanced Trends in Engineering & Sustainable Innovations, (NCATES-22)" for the paper title EXPERIMENTAL STUDY ON MECHANICAL PROPERTIES OF CHOPPED FIBRE REINFORCED CONCRETE organised by Department of Civil Engineering, Sree Narayana Institute of Technology, Adoor, Kerala on 23rd and 24th June, 2022.

Ms. Riyana M. S.
Convener,
Organizing Committee

Ms. Lekshmi Priya R.
Co-ordinator,
Organizing Committee

Dr. Shaji Mohan B.
Principal

SREE NARAYANA INSTITUTE OF TECHNOLOGY,
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This is to certify that Mr./Ms. FERA PAUL of SREE NARAYANA INSTITUTE OF TECHNOLOGY, ADOOR has participated / presented a paper in the "National Conference on Advanced Trends in Engineering & Sustainable Innovations, (NCATES-22)" for the paper title BUCKLING ANALYSIS OF UNDER WATER CORRODED STEEL PIPE LINES REHABILITATE USING FRP AND ECC organised by Department of Civil Engineering, Sree Narayana Institute of Technology, Adoor, Kerala on 23rd and 24th June, 2022.

Ms. Riyana M. S.
Convener,
Organizing Committee

Ms. Lekshmi Priya R.
Co-ordinator,
Organizing Committee

Dr. Shaji Mohan B.
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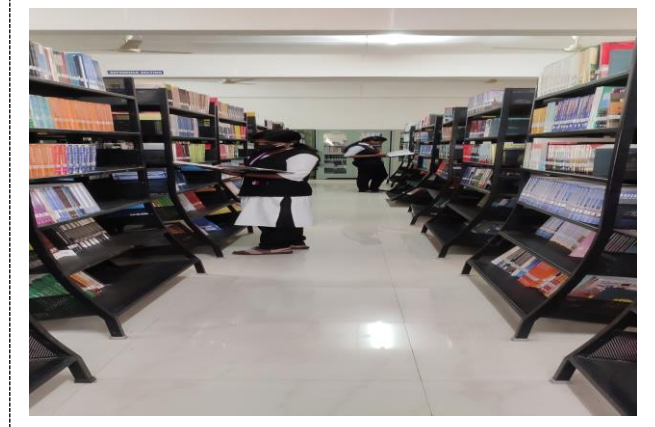
This is to certify that Mr./Ms. RISHNA K. RAMAN of SREE NARAYANA INSTITUTE OF TECHNOLOGY, ADOOR has participated / presented a paper in the "National Conference on Advanced Trends in Engineering & Sustainable Innovations, (NCATES-22)" for the paper title NUMERICAL INVESTIGATION OF INTERMESHED STEEL BEAM TO BEAM CONNECTION UNDER STATIC LOADING organised by Department of Civil Engineering, Sree Narayana Institute of Technology, Adoor, Kerala on 23rd and 24th June, 2022.

Ms. Riyana M. S.
Convener,
Organizing Committee

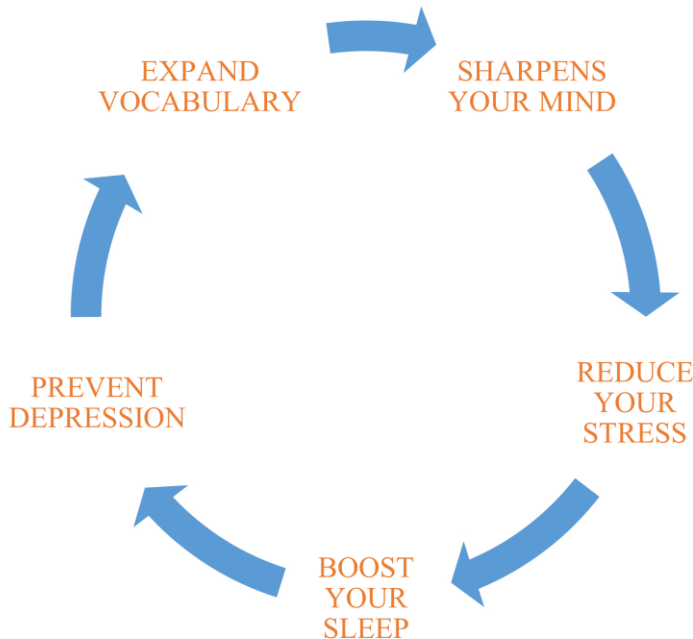
Ms. Lekshmi Priya R.
Co-ordinator,
Organizing Committee

Dr. Shaji Mohan B.
Principal

READING DAY CELEBRATIONS 2022



BENEFITS OF READING



Reading is important as it develops our thinking capacity and gives important life lessons. It moulds our personality and makes us a better person. India celebrates June 19th as National Reading Day in honour of P. N. Panicker, the father of library and literacy movement in Kerala. We, SNIT celebrated Reading Day on 21st June 2022 at Central Library Hall at 10.00 am, which was organized by Library Committee, SNIT. The purpose was to create awareness of advantages and importance of reading. An open discussion was conducted on the subject “READING IS A GOOD HABIT AND ITS INFLUENCE ON ENGINEERING STUDENTS”. Students shared their ideas. At 10.40 am the programme came to an end.



SREE NARAYANA INSTITUTE OF TECHNOLOGY

APPROVED BY AICTE & AFFILIATED TO APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY
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WE ENLIGHTEN THE FUTURE GENERATION

ADMISSIONS OPEN FOR THE ACADEMIC YEAR 2022-23

B.TECH

- Mechanical Engg.
- Mechanical Automobile Engg.
- Civil Engg.
- Electrical & Electronics Engg.
- Electronics & Communication Engg.

M.TECH*

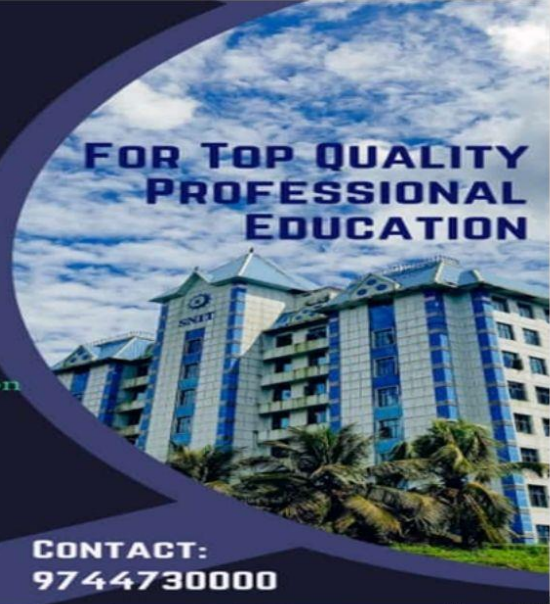
- Machine Design
- Structural Engineering & Construction Management

MBA

- Human Resources
- Marketing
- Finance
- Operations
- Systems
- General Management

**FOR TOP QUALITY
PROFESSIONAL
EDUCATION**

**CONTACT:
9744730000**



DEPARTMENT OF CIVIL ENGINEERING

STUDENT CENTRIC ACTIVITIES

- NATIONAL CONFERENCE & STUDENT PAPER PUBLICATIONS (NCATES)
- DEPARTMENT ASSOCIATION (CEPTA)
- DEPARTMENT MONTHLY NEWSLETTER (CEPTA TECHNICAL KRITHI)
- CEPTA CONSULTANCY
- YEARLY TECHFEST (ABRAXAS)
- INDUSTRIAL INTERNSHIPS
- DEPARTMENT YOUTUBE CHANNEL (CIVIL MANTRA)
- MOU WITH LEADING INDUSTRIES

EXCELLENT ACADEMICS

- DEDICATED & EXPERIENCED FACULTY MEMBERS
- EXQUISITE INFRASTRUCTURE & WELL EQUIPPED LABORATORIES
- INDUSTRIAL TRAINING & VISIT
- ONE-ON-ONE MENTORING SYSTEMS
- ADD-ON COURSES

HIGH
QUALITY
EDUCATION



M.TECH.
100% RESULT

BEST
PLACEMENT



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