

DEPARTMENT OF CIVIL ENGINEERING
CEPTA
NEWSLETTER



TEACHERS HONORING THEIR TEACHERS ON TEACHERS' DAY

SREE NARAYANA INSTITUTE OF TECHNOLOGY
ADOOR

TEACHER'S DAY CELEBRATION

"A good teacher is like a candle—it consumes itself to light the way for others."

05—09—2024
10.00 AM
ABSN Conference Hall

SREE NARAYANA INSTITUTE OF TECHNOLOGY
ADOOR

Program Schedule
Teachers' Day Celebration

10:00 am	Prayer	
10:05 am	Welcome Address	Prof. Suja Paulose HoD ECE, ECE & CS, CE & IS
10:15 am	Presidential Address	Prof. N. Radhakrishnan Nair Academic Co-ordinator, SNIT, Vice Principal, SNIT Poly Technic College

Inauguration
Ms. Susan Varghese
 Deputy Head Mistress
 Mount Tabor GHSS
 Pathanapuram

10:40 am	Teacher's Day Speech	Ms. Shylaja Beegum M. HSST, GHSS, Thumpamon
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Honouring the Achievers

11:00 am	Teacher's Day Wish	Ms. Shincy Lal, SI CSE
11:10 am	Poem Recitation	Ms. Fcha Jose, SI CSE (DS) Ms. Irfana S., SI MBA
11:20 am	Felicitation	Prof. Lekshmi R. Nair, HoD, EEE, R&A Prof. Riyana M.S., HoD, Civil, CV&EE Prof. Chippy R.S., HoD, MBA Dr. Sarath Raj, HoD, MAF, MF Dr. Malika M.C., HoD, CSE, AI&ML Prof. Jaya J.B., HoD, Mechatronics

Special Video Presentation

11:35 am	Vote of Thanks	Mr. Anand V.J. Assistant Professor, ECE
11:40 am	National Anthem	

Teachers Honoring Their Teachers on Teachers' Day

The former students of the Civil Engineering Department of Sree Narayana Institute of Technology, Adoor, came forward to honor the teachers on the occasion of Teacher's Day on September 5. Alumni of the Civil Engineering Department, who joined as teachers after completing B.Tech. and M.Tech. at the college, honored their teachers. Assistant Professors Ms. Anju Tulasi, Ms. Geethu M. S., and Ms. Preena Praveen honored their teachers and advisors, Head of the Department of Civil Engineering, Assistant Professor Ms. Riyana M.S, P. G. Coordinator, Assistant Professor Ms. Lekshmi Priya R., U. G. Coordinator, Assistant Professor Ms. Chaithra S. and received their blessings.

Teachers' Day Celebration

Ms. Susan Varghese, Deputy Head Mistress, Mount Tabor GHSS, pathanapuram inaugurated the ceremony and the best teacher award was distributed to faculty members of each department, and also a student from each class took classes for their classmates. Principal, Prof. Dr. M. D. Sreekumar., Academic Coordinator Prof. N. Radhakrishnan Nair, and HoD's Shared their thoughts on the venue.



HEARTY WELCOME

B.Tech. 2024-2028 & M.Tech 2024-2026

Valedictory Function of Student Induction Programme 2024

SREE NARAYANA INSTITUTE OF TECHNOLOGY
Theppupara P.O, Adoor, Pathanamthitta Dist. Kerala-691554
NAAC Accredited and ISO 9001:2015 Certified Institution

VALEDICTORY CEREMONY

12 SEPTEMBER 2024

ABS N HALL

2 PM

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B.TECH INDUCTION PROGRAM

Create your way to Success!

TOPIC OF DISCUSSION
SAY NO TO NARCOTICS

FRIDAY
06 SEPTEMBER 2024

SNIT ADOOR
MINI AUDITORIUM

10:30AM- 12:00PM

ADV. JOSE KALEEKAL
DISTRICT COORDINATOR
VIMUKTHI MISSION
EXCISE DEPARTMENT
PATHANAMTHITTA

www.snit.edu.in

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TOPIC OF DISCUSSION
ESSENTIAL TIPS FOR CIVIL SERVICE ASPIRANTS

11 September
2024

9:00AM- 11:00AM

SNIT ADOOR
ABSN HALL

WWW.SNIT.EDU.IN

Dr. Fathima Haris
Cleared the Civil Service Examination 2022 with a rank of 774

Mr. Abu Mathew
Seasoned Faculty in Geography at the Shankar IAS in Trivandrum

SHANKAR IAS ACADEMY
THE GATEWAY TO CIVIL SERVICE EXCELLENCE

Commencement of First Year Classes

The Valedictory ceremony of the first-year classes of B. Tech, M. Tech, and MBA was inaugurated at Sree Narayana Institute of Technology Adoor on 12th September 2024. The Managing Director Er. Abyin Ampadiyil officially opened the newly approved courses by AICTE, KTU, for the academic year 2024-2025, The Principal Prof. Dr. M. D. Sreekumar., oversaw the event. Academic Coordinator Prof. N. Radhakrishnan Nair, and the Department Heads all contributed their ideas.

INDUCTION PROGRAMMES



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TOPIC OF DISCUSSION

**Behaviour
Management**



**12 September
2024**



9:30AM-11:00AM



**SNIT ADOOR
ABS N HALL**

SPEAKER

Dr. ANAND UNNITHAN
CLINICAL PSYCHOLOGIST &
PRINCIPAL
PGM ITE, ADOOR



SREE NARAYANA INSTITUTE OF TECHNOLOGY
Theppupara P.O, Adoor, Pathanamthitta Dist. Kerala-691554
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ATHUL MOHAN M.

**CEO & FOUNDER OF
NEOVENT INNOVATION**

**EQUIP FOR
ENGINEERING AND
AFTER CHALLENGES**



Tuesday, September 10



10:00AM-12:00PM



**SNIT ADOOR
ABS N HALL**

**B.TECH
INDUCTION
PROGRAM**

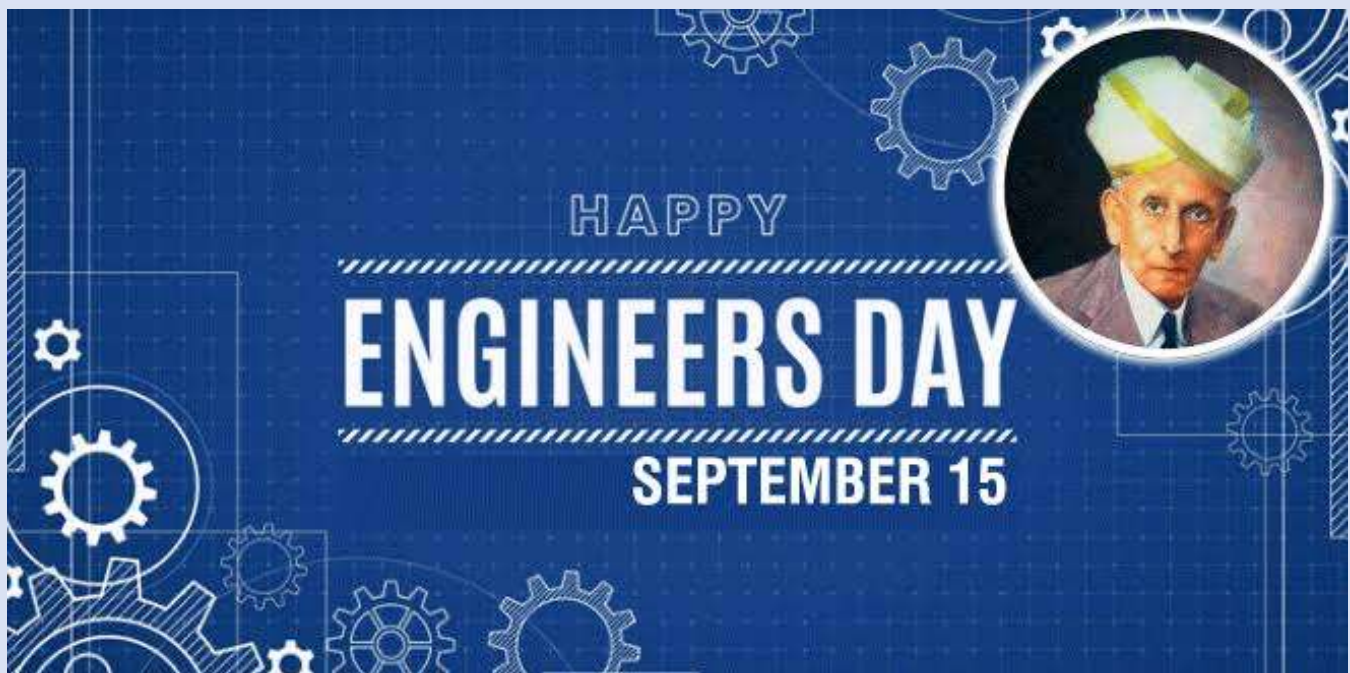
*Create your way
to Success!*

TOPIC OF DISCUSSION



www.snit.edu.in

ENGINEERS DAY



Volume 4

Issue 4

TECHNICAL KRITHI

September 2024

BIRTHDAY



Sir. MOKSHAGUNDAM VISHVESHVARYA

15th September, 1861

Sir Mokshagundam Vishveshvaraya, the Father of Indian Engineering, was born on September 15, 1861, was a renowned Indian Engineer, Statesman, and Scholar who made significant contributions to the fields of Engineering, education, and Public Administration in India. He is widely celebrated as one of the foremost Engineers and visionaries in the history of India.

Visveshvaraya was a highly accomplished Civil Engineer and played a pivotal role in the construction and development of infrastructure projects in India during the British colonial period. He was known for his expertise in irrigation and flood control, and he designed and implemented several projects that contributed to improved water supply and agricultural practices.

One of his most notable engineering feats was the design and construction of the Krishna Raja Sagara Dam in Mysore (now Karnataka). This dam helped in the irrigation of thousands of acres of land and became a model for modern dam construction in India.

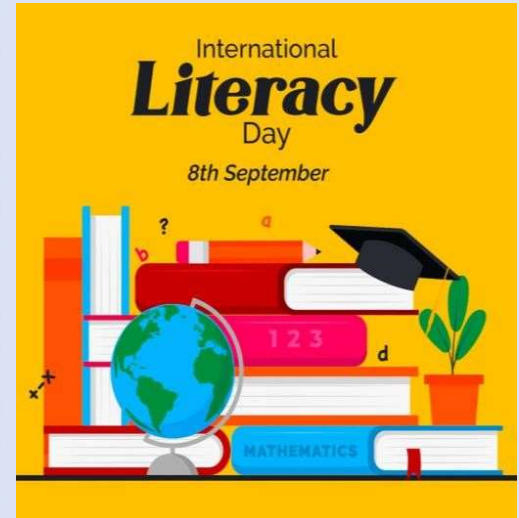
Visveshvaraya served as the Diwan (chief minister) of the princely state of Mysore from 1912 to 1918. During his tenure, he implemented numerous reforms and modernization efforts that transformed the state's infrastructure, education system, and industrial sector. He was a strong advocate for education and played a key role in the establishment of the University of Mysore and the Indian Institute of Science (IISc) in Bangalore, which have since become prominent institutions of higher learning in India. Visveshvaraya received numerous awards and honors during his lifetime. In 1955, he was honored with the Bharat Ratna, India's highest Civilian award, in recognition of his outstanding contributions to the nation. In India, Engineer's Day is celebrated on September 15th each year, which is Visvesvaraya's birthday. This day is dedicated to honoring and remembering his contributions to engineering and nation-building.

Sir Mokshagundam Visveshvaraya's legacy continues to inspire engineers and scholars in India and around the world. His dedication to engineering excellence and nation-building has left a lasting impact on India's development and infrastructure.

IMPORTANT DAYS

INTERNATIONAL LITERACY DAY- SEPTEMBER 8

International Literacy Day is an annual observance held on September 8th to promote and celebrate literacy worldwide. This day is recognized by the United Nations Educational, Scientific and Cultural Organization (UNESCO) and serves as an opportunity to raise awareness about the importance of literacy and education, as well as to address the challenges and issues related to literacy globally. The first International Literacy Day was celebrated in 1967, following a recommendation made at UNESCO's General Conference in 1966. Since then, it has been observed every year with a specific theme to highlight different aspects of literacy and education. These themes often reflect the evolving challenges and opportunities in the field of literacy.

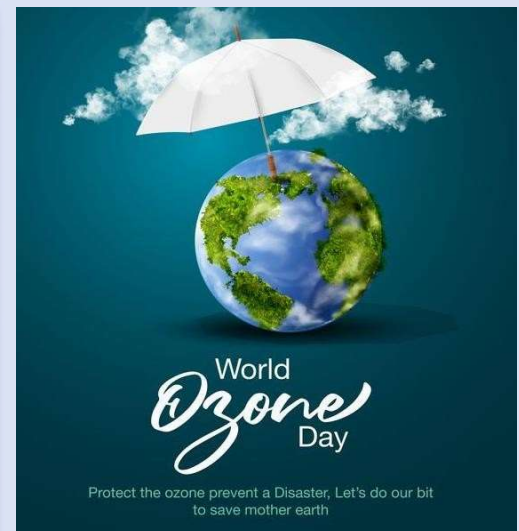


WORLD OZONE DAY- SEPTEMBER 16

World Ozone Day is observed on September 16th each year. This day is designated to raise awareness about the depletion of the ozone layer and to commemorate the signing of the Montreal Protocol on Substances that Deplete the Ozone Layer in 1987.

The ozone layer is a region of the Earth's stratosphere that contains a high concentration of ozone molecules. It plays a crucial role in protecting life on Earth by absorbing and blocking the majority of the sun's harmful ultraviolet (UV) radiation. Without the ozone layer, life as we know it would be exposed to dangerous levels of UV radiation, leading to increased rates of skin cancer, cataracts, and other health problems, as well as harm to ecosystems and wildlife.

World Ozone Day serves as a reminder of the importance of international cooperation in addressing environmental issues and the need to continue protecting and preserving the ozone layer for future generations. It is also an opportunity to educate people about the role they can play in reducing their own impact on the ozone layer through responsible consumption and lifestyle choices. Each year, World Ozone Day has a specific theme or focus related to ozone layer protection and environmental sustainability.



IMPORTANT DAYS

INTERNATIONAL DAY OF PEACE- SEPTEMBER 21

The International Day of Peace, also known as World Peace Day, is observed annually on September 21st. This day was established by the United Nations (UN) to promote and celebrate peace worldwide. The first International Day of Peace was officially observed in 1982. The primary purpose of the International Day of Peace is to raise awareness and encourage individuals, communities, and nations to work towards peaceful solutions to conflicts and to promote non-violence and tolerance. It serves as a reminder of the importance of peace in the world and the need for global cooperation to address issues that threaten peace and security.



ROSE DAY (WELFARE OF CANCER PATIENTS)- SEPTEMBER 22

Rose Day is observed in various countries, including India, on different dates, and it serves different purposes depending on the context. In the context of welfare for cancer patients, Rose Day is typically observed on September 22nd in India. It is a day dedicated to raising awareness about cancer and supporting cancer patients, survivors, and their families. The observance of Rose Day for cancer patients provides an opportunity for the community to come together to support cancer patients and their families, to spread awareness about cancer prevention and early detection, and to emphasize the importance of providing emotional and financial support to those facing this challenging disease.



WORLD ENVIRONMENTAL HEALTH DAY- SEPTEMBER 26

World Environmental Health Day is observed annually on September 26th. This day is dedicated to raising awareness about environmental health issues and promoting actions to improve and protect the environment for the well-being of current and future generations. Environmental health refers to the branch of public health that focuses on how our environment impacts human health. It encompasses a wide range of issues, including air and water quality, sanitation, food safety, vector control (such as mosquito control to prevent diseases like malaria), hazardous waste management, and the effects of climate change on health.

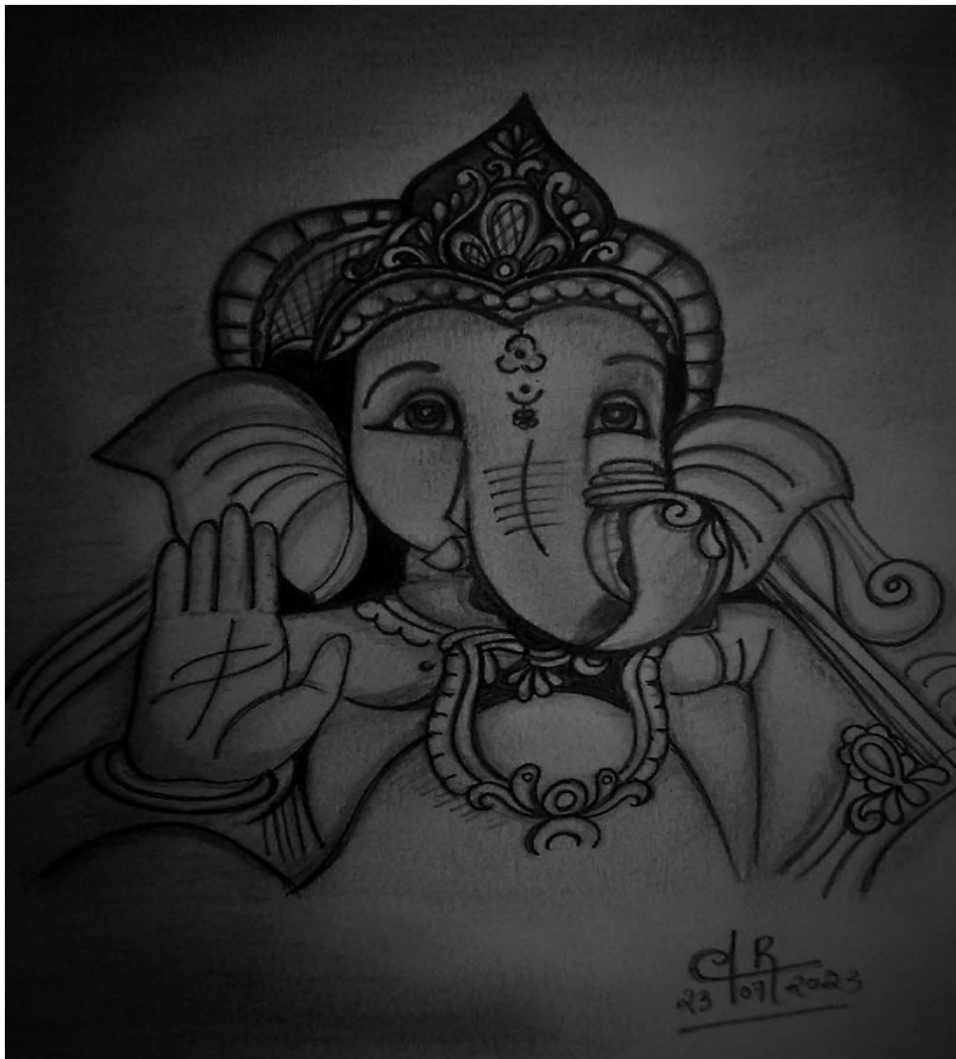


STUDENT'S CORNER

DRAWING



Anagha Ramesh
S3 CE



STUDENT'S CORNER

Tallest of the Supertall~Burj Khalifa



Anagha Ramesh
S3 CE



The Burj Khalifa (known as the Burj Dubai prior to its inauguration) is a skyscraper in Dubai, United Arab Emirates. It is the world's tallest structure. With a total height of 829.8 m (2,722 ft, or just over half a mile) and a roof height (excluding antenna, but including a 242.6 m spire) of 828 m (2,717 ft), the Burj Khalifa has been the tallest structure and building in the world since its topping out in 2009, surpassing Taipei 101, the previous holder of that status. Construction of the Burj Khalifa began in 2004, with the exterior completed five years later in 2009. The primary structure is reinforced concrete and some of the structural steel for the building originated from the Palace of the Republic in East Berlin. The building was opened in 2010 as part of a new development called Downtown Dubai. It was designed to be the centerpiece of large-scale, mixed-use development. The design is derived from the Islamic architecture of the region, such as in the Great Mosque of Samarra. The Y-shaped tripartite floor geometry is designed to optimise residential and hotel space. A buttressed central core and wings are used to support the height of the building. The structure also features a cladding system which is designed to withstand Dubai's hot summer temperatures. It contains a total of 57 elevators and 8 escalators. Outside the Burj Khalifa, WET Enterprises designed a fountain system at a cost of Dh 800 million (US\$217 million). Illuminated by 6,600 lights and 50 coloured projectors, it is 270 m (900 ft) long and shoots water 150 m (500 ft) into the air while accompanied by a range of classical to contemporary Arabic and other music. It is the world's largest choreographed fountain. On 26 October 2008, Emaar announced that based on results of a naming contest the fountain would be called the Dubai Fountain. At over 828 metres (2,716.5 feet) and more than 160 stories, Burj Khalifa holds the following records:

- Tallest building in the world
- Tallest free-standing structure in the world
- Highest number of stories in the world
- Highest occupied floor in the world
- Highest outdoor observation deck in the world

ALUMNICORNER



REVATHY P DAS
B.TECH CIVIL ENGINEERING 2020-24 BATCH

- Working as an Estimation Engineer at Samashi Consultancy

BIRTHDAY BASH



Indrajith U B
S7 CE
SEPTEMBER 12



Arunima R
S5 CE
SEPTEMBER 23

CEPTA HIGHLIGHTS

- Department Association
- Consultancy
- Yearly Magazine- Krithi
- Monthly Newsletter- Technical Krithi
- Hug A Mug- Café @ Heights
- Social Activity- RAKSHANA



BEST TEACHER AWARD 2024-25



Congratulations Ms. CHAITHRA S., Assistant Professor,
Department of Civil Engineering

HAPPY MOMENTS




CIVILIANS

KNOWLEDGE CORNER

DIFFERENT TYPES OF CONCRETE GRADES

DIFFERENT TYPES OF CONCRETE GRADES AND THEIR USES

GRADE OF CONCRETE RATIOS OF CONCRETE MIX (CEMENT:SAND:AGGREGATE)

GRADE OF CONCRETE	RATIOS OF CONCRETE MIX (CEMENT:SAND:AGGREGATE)	
M5	1:5:10	 <p>Cement Sand Gravel Combine dry then mix with water</p>
M7.5	1:4:08	
M10	1:3:6	
M15	1:2:4	
M20	1:1.5:3	
M25	1:1:2	
M30	1:0.75:1.5	
M35	1:0.5:1	
M40	1:0.25:0.5	

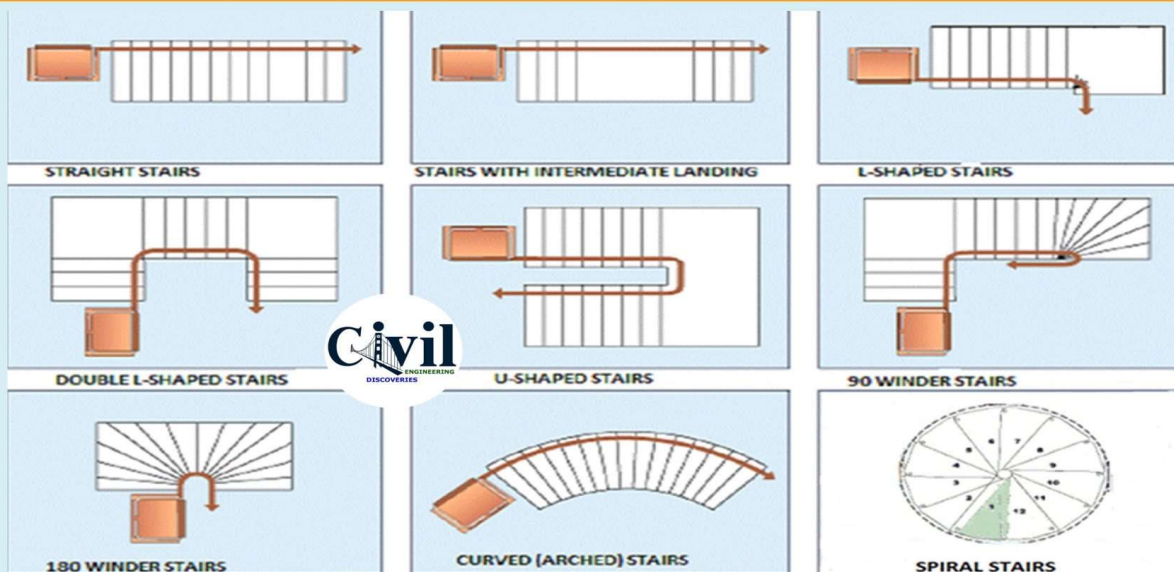
M20 Concrete



M stands for concrete mix

Compressive strength of concrete @28 Days in MPa when tested with 15 cm x 15 cm x 15 cm Cube

Various Types Of Stairs In Building



SUDOKU: SEPTEMBER 2024

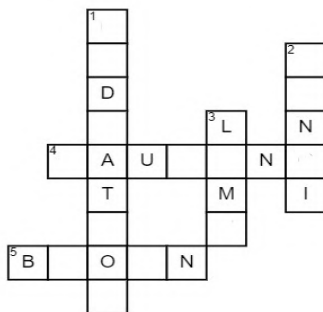
		6		9		2		
			7		2			
	9		5		8		7	
9				3				6
7	5						1	9
1				4				5
	1		3		9		8	
			2		1			
		9		8		1		

SUDOKU: AUGUST 2024

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

WORD PUZZLE

WORD PUZZLE- SEPTEMBER 2024



Across

- 4. The process of adding cement to lime mortar to improve its quality is called
- 5. Colour of roman cement

Down

- 1. The chemical reaction between cement and water is called as

- 2. What is the reason of the timber defect named 'blue stain'
- 3. The maximum percentage ingredient in cement is

Activ
Go to

WORD PUZZLE- AUGUST 2024



Across

- 2. The indentation provided in a face of the brick is called
- 5. The ingredient which imparts plasticity to bricks is

Down

- 1. Most weather resisting metamorphic rock is
- 3. The stones used for roofing is
- 4. The portion of brick cut across its length

CONGRATULATIONS



SREE NARAYANA INSTITUTE OF TECHNOLOGY, ADOOR



DEPARTMENT OF CIVIL ENGINEERING



Congratulations-S4 CE Toppers



Diljith Dileep
9.45



Abhirami M
8.68



Arathy Mohan
7.86



Anandhakrishnan A
7.77



Abhijith C Babu
6.95



Vignesh V Pillai
6.55

S4 CE



SREE NARAYANA INSTITUTE OF TECHNOLOGY
ADOOR



S2 B.Tech.UNIVERSITY EXAM TOPPERS 2023-27 Batch



Anagha Ramesh
CE



Ashtami Santhosh
ECE



Akshay A
ME



Sanjina Shaji
ME



Abhijith Kumar A
EEE



Aiswarya M S
CE



Amrutha Krishnan K
ECE



Anamika Rajesh
ECE



Amal Raj
EEE



Anandha Padmanabhan S
ECE



Aiswarya J Binu
ME



Jyothi Lekshmi V S
CS



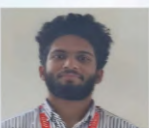
Aswanikrishna S
ECE



Adarsh S
EEE



Aiswarya S
CE



Sreelesh S
CS



Amal Krishnan R
CS



Nandana Rajendran
ECE



Sachu S
EEE



Athulya G
CE



Arunima Raj
CS



Muhammed Jaseem S
EEE



Sreethu S
ECE



Ashish Shaji
ECE



Krishnapriya P
ECE



Akshara Krishnan
CS



Bhavana M
ME



Alfiya S
CS



Anagha S
CE



Jiffin Sam Johnson
EEE

S2 CE

ADMISSION OPEN



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TO DESIGN
THE FUTURE**

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MECHANICAL ENGINEERING	30 SEATS
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ELECTRONICS & COMPUTER ENGINEERING	30 SEATS
ELECTRICAL & ELECTRONICS ENGINEERING	30 SEATS
ELECTRONICS & COMMUNICATION ENGINEERING	30 SEATS
COMPUTER SCIENCE & ENGINEERING (DATA SCIENCE)	60 SEATS

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CIVIL ENGINEERING COMPUTER SCIENCE & ENGINEERING * MECHANICAL AUTOMOBILE ENGINEERING COMPUTER SCIENCE & ENGINEERING (DATA SCIENCE)	60 SEATS EACH

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--	---------------

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STUDENT CENTRIC ACTIVITIES

- INTERNATIONAL CONFERENCES (ICMEM)
- NATIONAL CONFERENCES (NCATES)
- STUDENT PAPER PUBLICATIONS
- CEPTA- DEPARTMENT ASSOCIATION
- TECHNICAL KRITHI – CEPTA MONTHLY NEWSLETTER
- KRITHI- CEPTA YEARLY MAGAZINE
- CEPTA-CONSULTANCY
- YEARLY TECHFEST (ABRAXAS)
- INDUSTRIAL INTERNSHIPS
- CIVIL MANTRA- CEPTA YOUTUBE CHANNEL
- MOU WITH LEADING INDUSTRIES
- ASCE STUDENT CHAPTER
- RM&IPR WORKSHOPS
- DEPARTMENT FEST TEKXILA

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- M.Tech. in Structural Engineering & Construction Management

**HIGH
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EDUCATION**



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PLACEMENTS**



**M.TECH.
100%
RESULTS**



Entries are invited from students **before the 25th** of every month

Comments related to this newsletter can also be sent to the mail id provided

Mail Id:

ceptatechnicalkrithi@gmail.com

**TECHNICAL
KRITHI
e-
Newsletter**

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