



DEPARTMENT OF CIVIL ENGINEERING
CEPTA
NEWSLETTER



MERRY CHRISTMAS



"Nothing is so inspiring as seeing big works well laid out and planned and a real engineering organization."

- Frederick Handley Page

SPORTS DAY

On 3rd December, Saturday, SNIT celebrated Annual Sports Day with great enthusiasm. Ms. Manju M., Assistant Professor, department of Physical Education, College of Engineering, Aranmula, was the chief guest. All the students and faculty members were very energetic. Enthusiasm could be easily seen in their eyes. Students participated in various items and made it a great success.



അടുർ ശ്രീനാരായണ ഇൻസ്റ്റിറ്റ്യൂട്ട് ഓഫ് ടെക്നോളജിയിൽ സ്പോർട്സ് മീറ്റ് എം. മഞ്ജു ഉദ്ഘാടനം ചെയ്യുന്നു

madhyamam Wed, 07 December 2022
<https://epaper.madhyamam.com/c/71074170>

WORLD SOIL DAY

A quiz competition was conducted in association with World Soil Day on 5th December in which students from department of Civil Engineering participated. Aswathy Thejas of S5 CE won the 1st prize, Abhirami Babu of S5 CE won the 2nd prize and Indrajith U.B. of S3 CE won the 3rd prize. The winners were given awards by the Vice Principal Dr. M.D. Sreekumar.



THRIKKARTHIKA



തൃക്കാർത്തിക ആഘോഷിച്ച എസ്.എൻ.ഐ.റ്റി

അടുത്തിടെ തൃക്കാർത്തിക ദിനത്തിൽ പങ്കാളിത്തത്തിൽ അതി വലിയ കർമ്മങ്ങളിൽ തൃക്കാർത്തിക ആഘോഷം നടന്നു. ഇതിനിടയിൽ എസ്.എൻ.ഐ.റ്റി കോളേജിൽ തൃക്കാർത്തിക ആഘോഷം നടന്നു. അതിനിടയിൽ എസ്.എൻ.ഐ.റ്റി കോളേജിൽ തൃക്കാർത്തിക ആഘോഷം നടന്നു. അതിനിടയിൽ എസ്.എൻ.ഐ.റ്റി കോളേജിൽ തൃക്കാർത്തിക ആഘോഷം നടന്നു.

SNIT celebrated 'Thrikkarthika' by lighting lamps. Er. Abyin Ampadiyil, M.D, SNIT Adoor, took the initiative of lighting the lamps.

CHRISTMAS CELEBRATION

The festival of Christmas that falls every year on the 25th of December is regarded as the biggest festival of Christians. It marks the birthday of the Lord Jesus Christ the founder of Christianity. The festival is not only celebrated by Christians but also by people of all religions. On the 23rd of December SNIT celebrated Christmas. The celebration was held in the central courtyard. The entire central courtyard was beautifully decorated with stars, lights, models, and posters. All the students and faculty members were very excited and full of happiness about the celebration. Students come to college wearing colourful dresses. The ceremony began with a Christmas rally which was held by various departments. After that, a cake fest was organized by the department in the central courtyard. Various programmes were organized such as carol songs, solo songs, group dances, mono acts, group songs, etc. In the end, the entire college prayed for the welfare of human beings. There was also a surprise element towards the end of the function. Santa Claus came and gave students chocolates.



എസ്.എൻ.ഐ.ടിയിൽ ക്രിസ്മസ് ആഘോഷം

അടുത്തിടെ ഏപ്രിൽ മാസത്തിൽ ക്രിസ്മസ് ആഘോഷം നടന്നു. ഇതിനിടയിൽ എസ്.എൻ.ഐ.റ്റി കോളേജിൽ ക്രിസ്മസ് ആഘോഷം നടന്നു. അതിനിടയിൽ എസ്.എൻ.ഐ.റ്റി കോളേജിൽ ക്രിസ്മസ് ആഘോഷം നടന്നു. അതിനിടയിൽ എസ്.എൻ.ഐ.റ്റി കോളേജിൽ ക്രിസ്മസ് ആഘോഷം നടന്നു.

HUMAN RIGHTS DAY

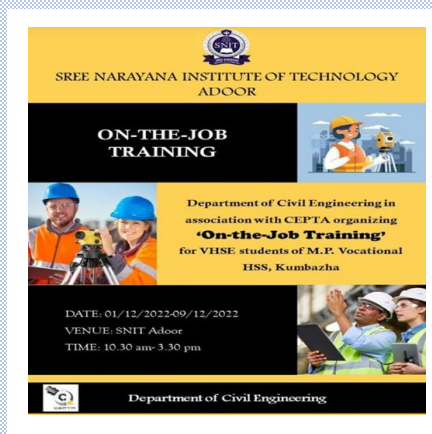
Human Rights Day is celebrated on 10th December, every year. On this day, the United Nations General Assembly adopted the Universal Declaration of Human Rights (UDHR) in 1948. It is a milestone document that states the inalienable rights that everyone is entitled to as a human being. SNIT Adoor also celebrated Humans Right Day on 9th December 2022 to create awareness about the rights and freedom of people.



ശ്രീമാരാമൻ ഇന്റർവ്യൂട്ട് ഓഫ് ടെക്നോളജി മനുഷ്യാവകാശ ദിനാചരണം ഉദ്ഘാടനത്തിൽ പങ്കാളിത്തം നടന്നു. **MAGZTER**
Clipped from - Mangalam Daily Pathanamitta - December 17, 2022
Read it digitally on the Magzter app

ON-THE-JOB-TRAINING

Department of Civil Engineering has arranged On-The-Job-Training for the VHSE students of M.P. Vocational HSS, Kumbazha. It was a 9-day training. The training started on 1st December 2022 and ended on 9th December 2022. The students were given training classes by the faculty members of the Civil Engineering department.



BOOK RELEASE

The books of Dr. Keshav Mohan, Academic Chairman and Director of MBA, SNIT Adoor, entitled 'Let's Learn Disaster Risk Reduction' and 'Mirabella; Rendezvous of a Chinese Girl'. Students from SNIT have also participated in the function. were released on 4th December 2022, by the honourable M.P. Dr. Shashi Tharoor. The books were received by Er. Abyin Ampadiyil, M.D. SNIT Adoor and Dr. Beena Tharakan, Archeologist. The function was organized by Bodhigram at Green valley Convention Centre, Adoor.



INDUSTRIAL VISIT



'INDUSTRIAL VISIT'
CIVIL ENGINEERING
2020-2024 BATCH

IMPORTANT DAYS

2nd December- National Pollution Control Day

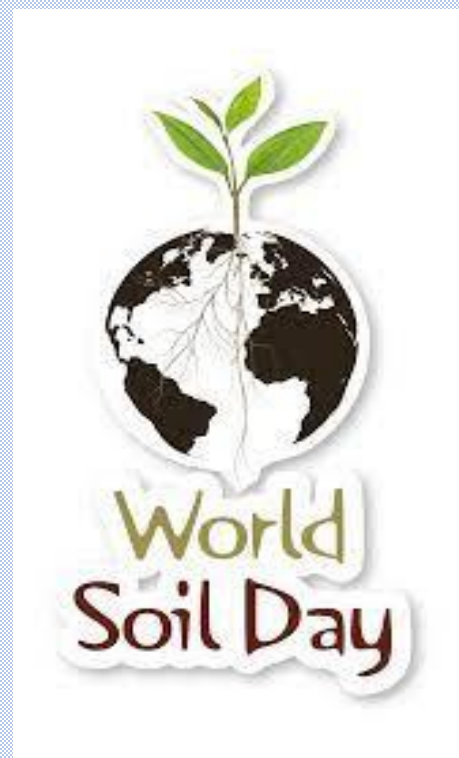
National Pollution Control Day is observed on 2nd December to spread awareness about the problem caused by increasing pollution. According to the National Health Portal of India, around 7 million people, worldwide, die due to air pollution every year. The day is celebrated every year to bring awareness about the dangers caused due to polluted water, land, and air, and to highlight how to avert industrial disasters like the Bhopal Gas Tragedy. Also, to make aware of the role that we are playing in the growing rate of pollution. Environmental pollution affects the quality of life and health. There are several factors that are responsible for causing pollution like the bursting of crackers, vehicles running on the roads, bomb blasts, leakage of gases via industries, etc. Nowadays the problem of pollution is increasing daily and it is the duty of the respective government and the people to reduce the level of pollution. It is necessary to generate ideas and plans to control pollution.



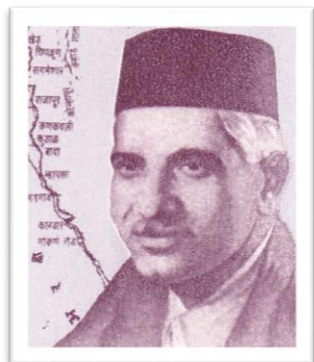
5th December- World Soil Day

In 2002, the International Union of Soil Sciences recommended to celebrate World Soil Day annually on 5th December. Also, FAO supported the formal establishment of World Soil Day as a global awareness-raising platform under the leadership of the Kingdom of Thailand and within the framework of the Global Soil Partnership. The conference of FAO unanimously endorsed World Soil Day in June 2013 and requested its official adoption at the 68th UN General Assembly. In December 2013, UN General Assembly at the 68th session declared 5th December as World Soil Day. The first World Soil Day was celebrated on 5th December 2014.

Every 5 seconds around one soccer field of soil is eroded. It is an alarming state and so it is necessary to increase awareness regarding the importance of soil. World Soil Day also highlights the growing problem due to population expansion. Therefore, it is necessary to take a step to reduce the erosion of soil, to maintain fertility so that food safety can be ensured.



BIRTHDAY



A. B. WALAWALKAR

Born on: 27th December 1897

A. B. Walawalkar (27th December 1897 – 23rd December 1970) was an Indian Railway Engineer, Epigraphist, and Historian. He is regarded as the founder of Konkan Railway. He was from the village of Walawal in Kudal Taluka of Sindhudurg District in Maharashtra. He belongs to Naik Maratha Samaj of Sindhudurg. Shri Arjun Balwant Walawalkar joined Central India Railway (presently Western Railway) in its Engineering Drawing Department in 1922. In 1952, he published a booklet on Konkan Railway Project. He delivered seminars and wrote many articles in local and national newspapers about this project. Many people criticized Walawalkar, believing the project was not useful. Besides his public career, he was an eminent epigraphist. He studied Brahmi epigraphy in ancient India. He tried to decipher the Indus script. He suggested a theory of the development of the Indian epigraphic system according to the Maheshwara Sutras.

KNOWLEDGE CORNER

DID YOU KNOW?

- Father of Geotechnical Engineering: Karl Von Terzaghi
- Triaxial compression test is used to find the shear strength of soil
- Compression index is used to find the settlement of soil
- Sensitivity is the measure of loss of strength with remoulding, with water content unchanged
- In Geotechnical Engineering, the soil is considered a 3 phase material

THE FAMOUS BRIDGES OF KOLKATA



Abhijith K.S.
S5 CE



Howrah Bridge

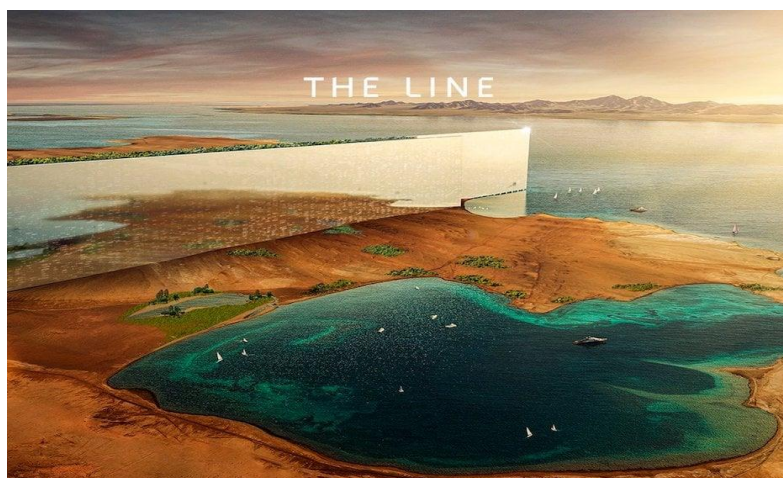
An iconic landmark of Kolkata, Howrah Bridge is a massive steel bridge constructed over the Hooghly River. It is considered to be among the longest cantilever bridges in the world. Also known as Rabindra Setu, it connects Howrah and Kolkata. It carries a daily traffic of over 100,000 vehicles and countless pedestrians and is as historic as it is grand. The opulence of the bridge, however, comes alive in the nighttime as it is all lit up. Located over the Hooghly river, this iconic bridge in India dates back to 1943. It is suspended over the river and is a cantilever bridge that is; it is supported only on the ends.

Howrah Bridge was the third-longest cantilever bridge at the time of its construction, but now it is the sixth-longest one of its types. It was renamed as Rabindra Setu on June 14, 1965, after the name of Nobel Laureate Rabindranath Tagore. It spreads about 1500 ft over the Hooghly River and is 71 ft wide. There is a total of 8 lanes of strand road, bicycles, and pedestrians. What makes this bridge unique is the fact that it was built without a single nut or bolt and is held together by rivets.

Vidyasagar Setu

Located in Kolkata, Vidyasagar Setu is another bridge that passes over the Hooghly River, and this is also called the Second Hooghly Bridge. The bridge was opened for public use in 1992 and is named after Pandit Ishwar Chandra Vidyasagar, a reformer in the area of education. The Vidyasagar Setu is one of the longest cable-stayed bridges in India. It has six lanes and a capacity of 85,000 vehicles. The bridge is a sight worth seeing when it lights up during the nighttime.

THE LINE, SAUDI ARABIA



Devika Dev S.
S4 SECM

The Line is a linear smart city under construction in Saudi Arabia in Neom, Tabuk Province, which is designed to have no cars, streets, or carbon emissions. The 170-kilometer-long (110 mi) city is part of the Saudi Vision 2030 project, which Saudi Arabia claims will create around 460,000 jobs and add an estimated \$48 billion to the country's GDP. The Line is planned to be the first development in Neom, a \$500 billion project. The city's plans anticipate a population of 9 million. Excavation work had started along the entire length of the project by October 2022. It will stretch from the Red Sea approximately to the city of Tabuk. It is intended that it will have nine million residents, resulting in an average population density of 260,000 people per square kilometer. By comparison, Manila, the world's most densely populated city in 2020, had a density of 44,000/km². The Line's plan consists of two mirrored buildings with an outdoor space in between, having a total width of 200 meters (660 ft) and a total height of 500 meters (1,600 ft).

The city will be powered entirely by renewable energy. It will consist of three layers, one on the surface for pedestrians, one underground for infrastructure, and another underground for transportation. Artificial intelligence will monitor the city and use predictive and data models to find ways to improve daily life for its citizens, with residents being paid for submitting data to The Line. Crown Prince Mohammed Bin Salman, also Chairman of the NEOM board of directors, released a statement and promotional video on 25th July 2022, which led to more widespread media coverage of the project. This raised questions about the merits of the design and environmental issues, with critics concerned that the project would create a "dystopian" and "artificial" facility that had already displaced the Huwaitat indigenous tribe and would impact the migration of birds and wildlife.

December 2022

WORD SCRAMBLE

CLUE

1. EARFDRT
2. OEVEITNAL EIWV
3. REINNGEIGNE PANSL
4. NEENRGNEIIG ASCEL
5. RNOHALIOZT UCREVS
6. TAPEARP
7. RIEP
8. NPAL EVIW
9. PLFOREI
10. URSST
11. IACVRTEL VRESUC
12. CINTNAMANEE

SUDOKU

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

SUDOKU: November 2022

WORD SCRAMBLE
(November 2022)

ANSWERS

1. ARCHITECTURAL
2. CONSTRUCTION
3. ENVIRONMENTAL
4. WATER RESOURCES
5. STRUCTURAL
6. UTILITY
7. SURVEYING
8. TRANSPORTATION
9. GEOTECHNICAL
10. MECHANICS

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

ALUMNI CORNER



DIBIN SAM JAMES

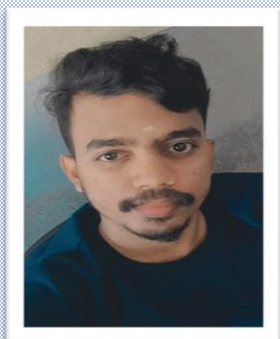
B.Tech. Civil Engineering (2014-18 batch)

samjames96@gmail.com

+971507407814

4 Years' Experience

- ✓ Former **Saudi Aramco Civil Engineer** at **Al Sadiq & Sons Company Saudi Arabia**
- ✓ Working as **Interior Design Engineer** at **Amber Interior Khalid Al-Attar Group, UAE**



Athul P.

B.Tech. Civil Engineering (2014-18 batch)

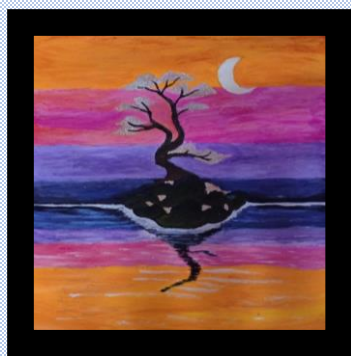
athulpivk3@gmail.com

+9196564 99695

4 Years' Experience

- ✓ Working as **Civil Engineer** at **Devi Construction Puthoor, Kollam**

ARTIST'S CORNER



Art: Painting

Artists: Nafiya Salim (S5 CE)



Art: Painting

Artists: Aswathy Thejus (S5 CE)



Art: Pencil Drawing

Artists: Anandhu Mohan (S5 CE)

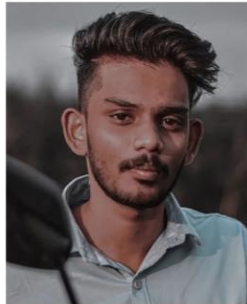
BIRTHDAY BASH



RESHMA C.
ASSISTANT PROFESSOR
30th DECEMBER



SIDHARA SANTHOSH
S5 CE
1st DECEMBER



AJAY V.A.
S5 CE
11th DECEMBER



YEDHU JAYAKUMAR
S5 CE
12th DECEMBER



NANDHANA P.S.
S5 CE
14th DECEMBER



VARSHA V.
S5 CE
14th DECEMBER



BHAGYA LEKSHMI P.
S7 CE
15th DECEMBER



SREEHARI R.
S7 CE
19th DECEMBER



SHAFANA NAZIM
S7 CE
21th DECEMBER

BIRTHDAY BASH



NANDHANA SIJU
S3 CE
21st DECEMBER



AKHILA PRASAD
S3 CE
23rd DECEMBER



ABHILASH M.
S7 CE
25th DECEMBER

ACHIEVEMENTS



Aswathy Thejas (S5 CE)
First Prize in World Soil Day
Quiz Competition



Abhirami Babu (S5 CE)
Second Prize in World Soil
Day Quiz Competition



Indrajith U.B. (S3 CE)
Second Prize in World Soil
Day Quiz Competition



Ashna S. Ali (S7 CE)
1st Prize in Discus Throw and
Shot Put competitions



Bhagyalekshmi P. (S7 CE)
3rd Prize in the Relay
competition

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

PROGRAMMES OFFERED:

- B.Tech. in Civil Engineering
- M.Tech. in Structural Engineering & Construction Management

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Releasing our
Newsletter every
month

ARTICLES
TECHNICAL WRITINGS
TECHNICAL ACTIVITIES
PAPER PUBLICATIONS
CONFERENCE ATTENDED
CROSSWORDS
QUOTES
ACHIEVEMENTS
ANNOUNCEMENTS



SEND ENTRIES TO
ceptatechnicalkrithi@gmail.com

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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