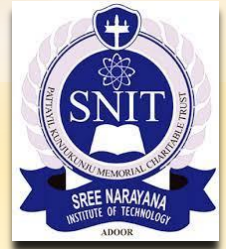


NEWSLETTER



“TECHNICAL KRITHI”

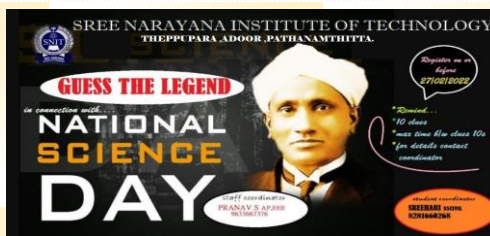
e-Newsletter
FEBRUARY 2022

NATIONAL SCIENCE DAY, 2022

SNIT celebrated National Science Day on 28th February 2022 at EEE seminar hall. The program was inaugurated by Mr C K Omprakash IBES, Deputy Director General Prasar Bharathi, F & A Department, Mumbai. As part of this, many programs were conducted including Quiz competition, Idea pitching, Guess the Legend. All students and staffs actively participated in this event and made it a great success.

When I'm working on a problem, I never think about beauty. But when I've finished, if the solution is not beautiful I know it's wrong."

- Buckminster Fuller



MAPATHON KERALAM

OPEN STREET MAPPING

MAPATHON KERALAM is an initiative undertaken by Kerala State IT Mission (KSITM).

CONCEPT: “Making Our Own Map”

KSITM has collaborated with the selected engineering colleges falling under Kerala Technological University, for carrying out open street mapping and ward boundary mapping.

Sree Narayana Institute of Technology, Adoor had also submitted the expression of interest and was selected for the mapping of Adoor Municipality. This funded project was coordinated by Mrs. Rajalakshmi P. and Mr. Jinu Darsh M. S., Assistant Professors of Civil Engineering Department under the guidance of Mrs. Riyana M. S., Head of the Department.

The M.Tech students were actively involved in the open street mapping activities, and the ward boundary mapping was done by the B.Tech students. The students were diligent in the performance of their duties and it really paid off. We received the completion certificate from the Adoor Municipal Secretary on January 14, 2022.

The project was truly an opportunity for the students to gain a hands-on experience. Also, the participated students and faculty will be awarded with a certificate of appreciation.



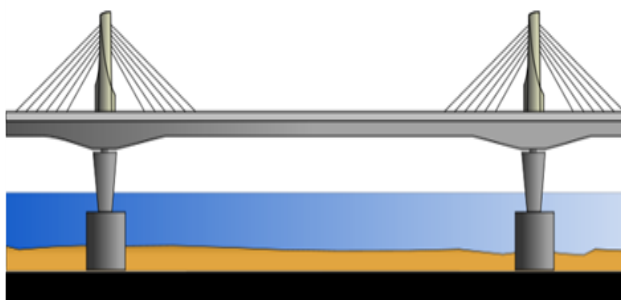
STUDENTS CORNER...

EXTRADOSED BRIDGE

An extradosed bridge employs a structure that combines the main elements of both a prestressed box girder bridge and a cable-stayed bridge. The name comes from the word extrados, the exterior or upper curve of an arch, and refers to how the "stay cables" on an extradosed bridge are not considered as such in the design, but are instead treated as external prestressing tendons deviating upward from the deck. In this concept, they remain part of (and define the upper limit of) the main bridge superstructure. Compared to a cable-stayed or cantilever-girder bridge of comparable span, an extradosed bridge uses much shorter stay-towers or pylons than the cable-stayed bridge, and a significantly shallower deck/girder structure than used on the girder bridge. This arrangement results in the typical extradosed "look" of a fan of low, shallow-angle stay cables, usually with a pronounced "open window" region extending from the sides of each tower. The extradosed bridge form is mostly suited to medium-length spans between 100 m (330 ft) and 250 m (820 ft), and over fifty such bridges had been constructed. Whilst incurring many of the construction costs of both the cable-stayed and girder bridge types, extradosed bridges can deliver material savings to offset much of this penalty. They have frequently been adopted when overall height, navigation clearance, or aesthetic requirements have made the cable-stayed or girder alternatives less feasible.

JITHIN JYOTHI

S7 CE



DO YOU KNOW

??

TYPES OF SOIL

TRANSPORTED BY:-

Alluvial Soils: Water

Lacustrine Soils: Lakes

Marine Soils: Ocean

Glacial Drift: Glaciers

Colluvial/Talus: Gravity

Loess: Wind

IMPORTANT FUNCTION KEYS IN AUTOCAD

F1- Offline Help

F2- Command Window

F3- Object Snap

F4- 3D Object Snap

F5- Isoplane Setting

F6- Dynamic UCS

F7- Grid

F8- Orthomode

F9- Snap Grid

F10- Polar Tracking

F11- Object Snap Track

F12- Dynamic Input



HAPPY BIRTHDAY



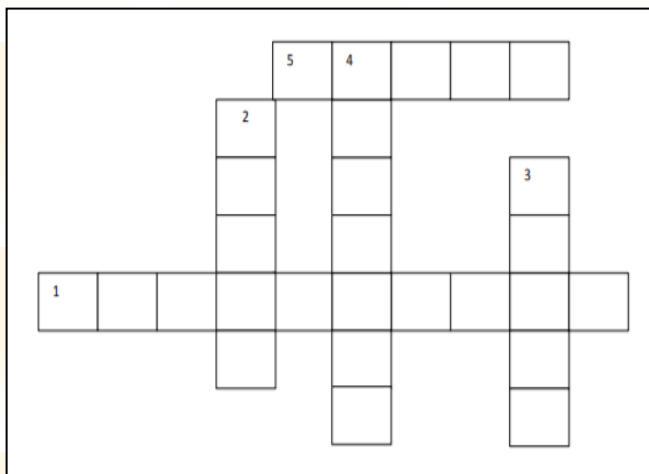
GILBERT ROBERTS

Sir Gilbert Roberts, born on 18 February 1899, who was a British civil engineer who designed many famous bridges worldwide. Roberts was born in Hampstead, north London, to Henry William Roberts, a pharmacist, and was educated at Bromley High School. He then went to Gresham College to study engineering but on the outbreak of WWI he joined the Royal Flying Corps. After being shot in the knee in 1918 on a bombing raid, Roberts was invalided back to England and awarded an Army Scholarship to attend City and Guilds College of Imperial College, where he obtained his degree in 1923. He became a civil engineer and worked on the Sydney Harbour Bridge (1932) and Otto Beit

across the Zambezi River. As a senior partner with the British firm Freeman Fox & Partners he designed, in collaboration with William Brown, the Volta River Bridge, the Auckland Harbour Bridge, the Forth Road Bridge, the Severn Bridge, the Bosphorus Bridge (1973) and the Humber Bridge (1981). Roberts was knighted in 1965. He was elected a Fellow of the Royal Society on 18 March 1965 and he was awarded Royal Medal in 1968.

SANDRA MARIAM
SIMON
M3, SECM

LET'S FIND OUT




HORIZONTAL:

- 1) Due to battering action of wheels over the ends of the rails, the rails get bent down and are deflected at ends. These rails are called _____
- 5) _____ rails are rails that are fitted against tongue rails

VERTICAL:

- 2) Distances between running faces of rails
- The object of providing a _____ lock is to
- 3) ensure that each switch is correctly set
 - 4) A _____ bar is used for interlocking points and signal

CAYAN TOWER

CAYAN TOWER	
Status	Completed
Type	Residential
Location	Dubai, United Arab Emirates
Coordinates	25°05'12.80"N 55°08'42.89"E
Construction started	2006
Completed	2013
Tip	306.4 metres (1,005 ft)
Floor count	73 (5 below ground)
Lifts/elevators	7
Architect	Skidmore, Owings and Merrill
Developer	Cayan Real Estate Investment & Development
Structural engineer	Skidmore, Owings and Merrill
Main contractor	Arabtec

Cayan Tower, known as Infinity Tower before it was inaugurated, is a 306-metre-tall (1,004 ft), 75-story skyscraper in Dubai, United Arab Emirates by Cayan Real Estate Investment and Development. The tower is designed by Skidmore, Owings and Merrill SOM architectural group. Upon its opening on 10 June 2013, the tower became world's tallest high-rise building with a twist of 90 degrees. This record has since been surpassed by the Shanghai Tower, which opened in February 2015. The twisting design of Cayan Tower was achieved by rotating each floor 1.2 degrees around a cylindrical elevator and service core. Cayan Tower's apartments are designed with reconstituted wooden floors, Chinese synthetic marble counter tops, and kitchen fixtures. The tower also includes a five-story parking garage behind it.[5] The rooms of the tower are designed in such a way that it wouldn't be affected by direct sunlight due to titanium-coloured metal panels on cast-in-place concrete columns aided with repetitive staggered screen panels to stop penetrating sunlight from disturbing the residents of the unit. The lack of balcony space helps with the feeling of enclosure and passive solar shading.

IMPORTANT DAYS



FEBRUARY
4th
WORLD
CANCER DAY

World Cancer Day 2022: It is observed on 4 February. It is the global uniting initiative led by the Union for International Cancer Control (UICC). Cancer is a second-leading cause of death across the world and 70% of cancer deaths occur in low-to-middle income countries. Each year, millions of lives can be saved by implementing resource appropriate strategies for prevention, early detection, and treatment. Detecting cancer early will effectively reduce the mortality associated with cancer.

World Cancer Day 2022-2024 Theme - Close the Care Gap



FEBRUARY
28th
NATIONAL
SCIENCE DAY

National Science Day is celebrated on 28 February to pay tribute to Dr. C.V Raman for his discovery Raman Effect. In **1928** an Indian Scientist **Sir Chandrasekhara Venkata Raman** discovered a phenomenon known as **Raman Effect** and for his remarkable discovery in **1930**, he got **Nobel Prize**, which was the first Nobel Prize in India in the field of Science and to mark this discovery every year National Science Day is celebrated.

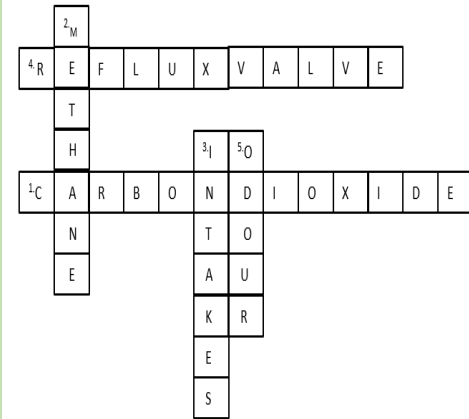
According to Prime Minister Narendra Modi " *National Science Day is an occasion to salute the talent and tenacity of our scientists*". Many great scientists were born in India and recognized India in the field of science and made a separate place too.

Answers

Last month Sudoku

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

Cross Words



LET'S CHECK IT OUT

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

HAPPY BIRTHDAY



Mr. Amal Anand
Lecturer
Feb 25th



Bency Mariyam Koshy
M3, 12th Feb



Arya Satyan, M1
11th Feb



Devika Dev, M1
16th Feb



Akash Hari, S7
5th Feb



Abhinath P, S5
13th Feb



GS Sangeeth, S1
24th Feb



Pranav Sathyan, S1
26th Feb

ALUMNI CORNER



PRENAV P MOHAN
B. TECH CIVIL
(2012-2016 BATCH)
prenavpmohan@gmail.com
Phone no: +91 9633717537

5 Years Experience

- ♣ Entrepreneur
- ♣ Chartered Engineer
- ♣ Director at Dmeridian Edifice LLP
- ♣ Managing Partner at Cadd Campus, Thrissur
- ♣ Founder at Design Cast



ANEETA ANNA RAJU
M.TECH SECM
Batch - 2015 to 2017
anuaneeta.aar@gmail.com
Phone no: 9496635561

5yrs of Teaching Experience

- ♣ Worked as Assistant Professor in SNIT ADOOR
- ♣ Working as Content Coordinator Cum Associate in GATE PSUs Exams in Entri.App Edtech Company.

ACHIEVEMENTS...



2022-23 ADMISSIONS STARTED....



**SREE NARAYANA INSTITUTE OF TECHNOLOGY
ADOOR**

**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

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9744730000**

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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 invited from students
before 25th of every month**

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

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THANK YOU