



“TECHNICAL KRITHI”

e-Newsletter
March 2022

WOMEN'S DAY CELEBRATION

As a part of International Women's Day, 2022, a two week celebration was conducted in association with A. C. T. S., SNIT Women's Cell. The inauguration was on 9th of March, 2022 and a book releasing ceremony of Ms. Parvathy Ramachandran, 'Blooms of Perpetuity' was also arranged in association with this programme. District collector of Pathanamthitta- Dr. Divya S. Iyer, National Award winner for dubbing- Ms. Devi S. and Ms. Parvathy Ramachandran, Asst. Prof., S. N. College, Chengannur- author of Blooms of Perpetuity were the main guests of the ceremony.

"When we build, let us think that we build forever."

- John Ruskin



SPORTS DAY 2022

SNIT Sports Day 2022 was inaugurated on March 5th by R Binu; DYSP, Adoor, by handing over the Olympic torch to college chairman. Parthan P. (National Netball player & Best player in District Olympic Championship) also became a part of the function. Finals of various events including Football, Kabaddi, Cricket, Volleyball were also conducted. A friendly match conducted between the winners of cricket tournament and the college staff team became a notable event of the day.



INTERNATIONAL HAPPINESS DAY

SNIT celebrated International Happiness Day on 22nd March 2022 at MBA seminar hall. The program was started with a prayer by Athira P. G. (MBA student), then a welcome speech by Midhun P. Nath (College union chairman), presidential address by Dr M. D. Sreekumar (Vice Principal SNIT) and an excellent talk on happiness day was delivered by Asst. Prof. Chaithra S. The program was concluded with a vote of thanks by Sachin Mathew (MBA Student).



INAUGURATION OF IAS ACADEMY, SNIT

Amrita IAS Academy, a famous Civil Service coaching centre signed MoU with SNIT Adoor which will open best civil service coaching facility for SNIT students. The MoU was received by Sri. Abyin Ambadiyil (SNIT Managing Director) from Br. Viswanathamrita Chaitanya (Director, Amrita IAS Academy). Principal Dr. Shaji Mohan B., Academic Chairman Dr. Kesav Mohan, Vice-Principal Dr. M. D. Sreekumar, Manager- University relations, Amrita Vishwa Vidyapeedam Mr. Mithun M. were also present in the auspicious occasion.

Mr. Ambu P. Kumar, Asst. Commissioner, I.R.P.F.S who secured highest position in Civil Service exam took IAS orientation class for the students.



STAR TEACHER TRAINING PROGRAM

One day faculty development program was conducted for SNIT faculties on 19th March 2022 at EEE Seminar Hall. The training was taken by Mr. Rajit Karunakaran Nair ('A' grade Trainer, National Skill Development Corporation, Govt. of India, Regional Mentor of Change, Atal Innovation Mission, Niti Aayog, New Delhi).

Topics covered include teacher personalities, art of teaching, mindset, attitude, classroom entropy, praising teachers and colleagues, powerful presentations, theatrics in teaching, thought grenades, classroom behaviours, dealing with difficult parents, role of teachers in foresting mental health, discipline spectrum, bloom's taxonomy etc.



STUDENTS CORNER...

3D MODULAR VOLUMETRIC CONSTRUCTION

NIHANA.N

S8 CE

3D Volumetric Construction is a modular construction technology in which 3D units are produced in a controlled factory setups using necessary construction and building materials. The finished units are transported to the site in various modules, basic structural blocks or final touch up units with all desirable or useful facilities installed, for assembly. The blocks can be erected speedily at the site and properties of concrete like fire retardant, sound resistivity, thermal mass, etc. are retained. The modular building can be super insulated with higher than usual building regulation requirements for both thermal and acoustic insulation. In addition to this, the system incorporates a method of separating each individual module acoustically which means that noise cannot be transmitted easily through the structure. Following the building design freeze the modules are fabricated in jigs made from galvanized LGS cages. They have a design life in excess of 100 years. 3D volumetric solutions are fully fitted-out units, which could constitute a room, or part of a room, that can be assembled onsite like a series of Lego bricks. They have a design life in excess of 100 years. 3D volumetric solutions are fully fitted-out units, which could constitute a room, or part of a room, that can be assembled onsite like a series of Lego bricks. Efficiencies and time savings but the trade-offs include transportation costs and size limitations.

The maximum width for road transport that does not require a police escort is typically around 3.5 meters. This either increases the cost of transporting larger units or limits the size of modules, making 3D volumetric most suitable for hotels, hostels, or affordable housing. It is also advantageous for rooms with more intricate finishing, particularly wet rooms such as bathrooms and kitchens. A 3D volumetric approach is most suitable for projects with a high level of repeatability and a high ratio of wet to dry rooms. Repeatability does not mean all products need to look the same. Instead, a variety of standardized modules can be pieced together differently to produce a customized end result.



DO YOU KNOW

??

Measuring Instruments

<u>Instrument</u>	<u>Parameter</u>
Evaporation Pans	Evaporation
Anemometer	Wind speed & Direction
Hydrometer	Humidity
Phytometer	Transpiration
Lysimeter	Evapo-transpiration

ESTIMATION TERMS

LESSER- Who give lease

LESSE - Who takes lease

SURVIENT- Who owns property

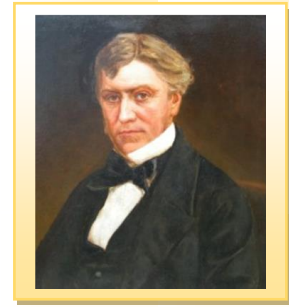
DOMINENT- Who enjoys easement

SCRAP VALUE- Dismantled value

SALVAGE VALUE- Value at end of utility period



HAPPY BIRTHDAY



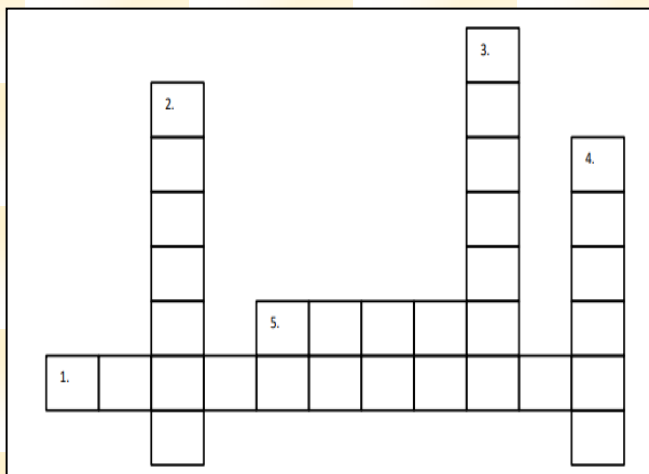
CHARLES FOX

Sir Charles Fox was an English civil engineer and contractor, born on 11 March 1810 in Derby, youngest of five sons of Dr Francis Fox. His work focused on railways, railway stations and bridges. Initially trained to follow his father's career, he abandoned medical training at the age of 19. One of his earliest inventions, patented in 1832, was railway points, which superseded the sliding rail used up to that time. In 1837 Robert Stephenson appointed him as one of the engineers on the London and Birmingham Railway. He presented an important paper on the correct principles of skew arches to the Royal Institution. Fox and Henderson's expertise with structural ironwork led Joseph Paxton to invite them

to build The Crystal Palace for The Great Exhibition of 1851. Fox was also a member of the Institution of Civil Engineers from 1838 until his death, a founder member of the Institution of Mechanical Engineers from 1856 to 1871 and a fellow of the Royal Asiatic Society and Royal Geographical Society. Sir Charles Fox died at Blackheath, London on 14 June 1874, at the age of sixty-four. He was buried at Nunhead Cemetery on 18 June.

SANDRA MARIAM
SIMON
S4, SECM

LET'S FIND OUT



HORIZONTAL:

- 1) Tool used for drawing irregular curves of different centers
- 5) T-Square specified using length of its _____

VERTICAL:

- 2) Tool for transferring dimension and to divide a line into equal parts
- 3) Combination of T-Square, protractor, scale & set square
- 4) To remove unwanted lines from drawing, we use _____

Brooklyn Bridge

The Brooklyn Bridge is a hybrid cable-stayed/suspension bridge in New York City, spanning the East River between the boroughs of Manhattan and Brooklyn. Opened on May 24, 1883, the Brooklyn Bridge was the first fixed crossing of the East River. It was also the longest suspension bridge in the world at the time of its opening, with a main span of 1,595.5 feet (486.3 m) and a deck 127 ft (38.7 m) above mean high water. The span was originally called the New York and Brooklyn Bridge or the East River Bridge but was officially renamed the Brooklyn Bridge in 1915.

The Brooklyn Bridge is the southernmost of the four toll-free vehicular bridges connecting Manhattan Island and Long Island, with the Manhattan Bridge, the Williamsburg Bridge, and the Queensboro Bridge to the north. Only passenger vehicles and pedestrian and bicycle traffic are permitted. A major tourist attraction since its opening, the Brooklyn Bridge has become an icon of New York City. Over the years, the bridge has been used as the location of various stunts and performances, as well as several crimes and attacks. The Brooklyn Bridge has been designated a National Historic Landmark, a New York City landmark, and a National Historic Civil Engineering Landmark.

Carries	5 lanes of roadway (cars only), Elevated trains (until 1944) Streetcars (until 1950), Pedestrians and bicycles
Maintained by	New York City Department of Transportation
Characteristics	
Design	Suspension/Cable-stay Hybrid
Total length	6,016 ft
Width	85 ft (25.9 m)
Height	272 ft (82.9 m) (towers)
Longest span	1,595.5 ft (486.3 m)
Clearance below	127 ft (38.7 m) above mean high water



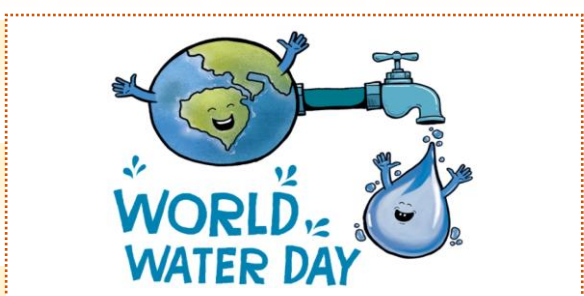
IMPORTANT DAYS



MARCH 9th
NO SMOKING DAY

No Smoking day is observed on the second Wednesday of every year to help smokers who want to quit smoking and also to raise awareness about the health effects of smoking in daily life. Smoking causes various diseases and nearly harms every organ in the body. It also harms the health of smokers in general. According to the CDC, more than 16 million Americans are living with diseases caused by smoking. About 90% (or 9 out of 10) of the deaths are caused by lung cancer (smoking). To improve health, one of the most important steps for smokers is to quit smoking.

"Cigarettes are a classy way to commit suicide." - Kurt Vonnegut



MARCH 22nd
World Water Day

World Water Day is observed every year on **22nd March** all over the world. It focuses on the importance of water and how to preserve it. As we know that water is essential for life, without water we can't survive. About 60% of the human adult body consist of water. All plants and animals need water to survive. If there was no water there would be no life on earth. We should plant trees, reconnect rivers to flood plains, restore wetlands, etc. which will help to rebalance the water cycle.

The theme of World Water Day 2022 is **"Groundwater: Making The Invisible Visible "**. The theme was proposed by IGRAC.

Answers

Last month Sudoku

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

Cross Words

			⁵ S	⁴ T	O	C	K		
		² G		R					
		A		E			³ P		
		U		A			O		
¹ H	O	G	G	E	D	R	A	I	L
			E		L			N	
				E				T	

LET'S CHECK IT OUT

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

HAPPY BIRTHDAY



Ms. Chaithra S.
Assistant Professor
14th March



Reenu Rajan
S4, 16th March



Haritha Krishnan S
S8, 1st March



Devika S
S8, 13th March



Adithyan S
S3, 6th March



Aparna Mohan
S3, 17th March



Adithya Raj
S1, 27th March

ALUMNI CORNER



RAHUL R KRISHNAN
B.Tech CIVIL
2011-15 BATCH
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7 Years Experience

- + Site engineer at Noel Constructions
- + Site engineer at Esar Builders
- + Project co-ordinator at TSSC, UAE



MEENU PRASAD
B.Tech Civil (2015- 2019
batch)
M.Tech SECM (2019-
2021 batch)

- + Working as an Assistant Professor in KITS Engineering college, Kottayam

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ACHIEVEMENTS...

F.No.AICTE/FDP-5/Online/Workshop/201/125791



ALL INDIA COUNCIL FOR TECHNICAL EDUCATION
NELSON MANDELA MARG, VASANT KUNJ, NEW DELHI

Certificate of Participation

This is to certify that Mrs. Riyana M S from Sree Narayana Institute of Technology, Pathanamthitta has participated and successfully completed the 5-day online FDP on the theme "Inculcating Universal Human Values in Technical Education" organized by All India Council for Technical Education(AICTE) from 14th March, 2022 to 18th March, 2022.


 Dr. Rajneesh Arora
Chairman
National Coordination Committee for Induction Program


 Prof. Rajive Kumar
Member Secretary, AICTE

F.No.AICTE/FDP-5/Online/Workshop/201/125786



ALL INDIA COUNCIL FOR TECHNICAL EDUCATION
NELSON MANDELA MARG, VASANT KUNJ, NEW DELHI

Certificate of Participation

This is to certify that Ms. Lekshmi Priya R from Sree Narayana Institute of Technology, Pathanamthitta has participated and successfully completed the 5-day online FDP on the theme "Inculcating Universal Human Values in Technical Education" organized by All India Council for Technical Education(AICTE) from 14th March, 2022 to 18th March, 2022.


 Dr. Rajneesh Arora
Chairman
National Coordination Committee for Induction Program


 Prof. Rajive Kumar
Member Secretary, AICTE

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Ref: MP/IRI/2022/4168 Date: 15/03/2022

TO WHOM IT MAY CONCERN

This is to certify that RIYANA M S has successfully completed Internship Cum Training on Advance in Research from 14 February 2022 to 14 March 2022 organized by Manuscriptpedia, Kanyakumari through online pedagogy. During this Internship, RIYANA M S has submitted assignments, attended training sessions, participated in online and offline sessions in below topics.

- How to write scientific articles for quality journals
- Microsoft word and latex for researchers
- How to write literature review article
- Overview of research methodology
- How to write funding proposal
- Role of computer in research
- How to file a patent
- Overview of post-doctoral fellowship
- Orcid and Research gate: Connecting researchers
- Abstract for research paper
- Applying for a research grant: pathways to success
- Mendeley: The reference manager
- Google scholar and Research impact and more

Best Wishes for your research endeavors

Warm regards,

Mrs. Judith Emillah Christy,
Founder,
Manuscriptpedia

Director@manuscriptpedia.com/
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 Dr. Rajneesh Arora
Chairman
National Coordination Committee for Induction Program


 Prof. Rajive Kumar
Member Secretary, AICTE

CONGRATULATIONS



**SREE NARAYANA INSTITUTE OF TECHNOLOGY,
ADOOR**

DEPARTMENT OF CIVIL ENGINEERING

MTECH - STRUCTURAL ENGINEERING AND CONSTRUCTION MANAGEMENT

CONGRATULATIONS

**APJ ABDUL KALAM
TECHNOLOGICAL
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S2 RESULT

2020 BATCH



AKSHARA K P
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SGPA 10/10



ANSU P SAJI
Reg No: SNT20CESC03
SGPA 10/10



REENU RAJAN
Reg No: SNT20CESC10
SGPA 10/10



HANEETHA HANEEF
Reg No: SNT20CESC08
SGPA 10/10



FEBA PAUL
Reg No: SNT20CESC07
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ASHIL S KUMAR
Reg No: SNT20CESC05
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SANDRA MARIAM SIMON
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BENCY MARIYAM KOSHY
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RISHNA K RAMAN
Reg No: SNT20CESC11
SGPA 9.08/10

2022-23 ADMISSIONS STARTED: B.TECH & M.TECH BATCH

2022-23 ADMISSIONS STARTED....



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- Electronics & Communication Engg.

M.TECH

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- Structural Engineering & Construction Management

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**Entries invited from students
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THANK YOU