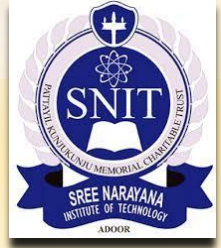


NEWSLETTER



“TECHNICAL KRITHI”

e-Newsletter
OCTOBER 2021

A DECADE OF ACADEMIC EXCELLENCE – SNIT ADOOR

"Happy 10th Anniversary. 10 years of togetherness, 10 years of happiness, 10 years of making dreams come true, 10 years of sharing, 10 years of trust, 10 beautiful years."

SNIT Adoor celebrated first decade of academic excellence on 6th October 2021, honoring services of SNIT family members.

SNIT on the 10th anniversary celebration glorified each of the moments and people, stood as a vital part in strengthening and progress of the college. Through this celebration SNIT remembered all the struggles and efforts taken by each SNIT family members and honoured all teaching and non-teaching staffs of SNIT. Many students and staffs who stood as a part of SNIT made their anniversary wishes on that occasion.

"The road to success is always under construction"

-Civil Wale



എസ്.എൻ.ഐ.ടി. ദശവത്സരത്തിൽ; ഒരുവർഷ പദ്ധതി ആരംഭിച്ചു



എസ്.എൻ.ഐ.ടി. ദശവത്സര പദ്ധതിയുടെ ഭാഗമായി നടന്ന ചടങ്ങിന്റെ ഭാഗമായി എൽ.എൻ.എ.ടി. ചെയർമാൻ സമാനന്തൻ നിരവഹിക്കുന്നു.

അടൂർ > എസ്.എൻ.ഐ.ടി. ദശവത്സര പദ്ധതികളുടെ ഭാഗമായി ഒരുവർഷം നീണ്ടു നിൽക്കുന്ന പരിപാടികൾ എസ്.എൻ.ടി.പി. യോഗം ജനറൽ സെക്രട്ടറി വെള്ളാപ്പള്ളി നരേന്ദ്രൻ ഓൺലൈനായി ഉദ്ഘാടനം ചെയ്തു. എസ്.എൻ.ഐ.ടി. പ്രവർത്തനം തുടങ്ങിയിട്ട് പത്ത് വർഷം പൂർത്തിയാക്കുന്നത് പ്രമാണിച്ച് നിരവഹി പദ്ധതികളാണ് മാനേജ്മെന്റ്

നടപ്പാക്കുന്നത്. ചടങ്ങിന്റെ ഭാഗമായി എൽ.എൻ.ഐ.ടി. ചെയർമാൻ സമാനന്തൻ നിരവഹിച്ചു. കോളേജിലെ എല്ലാ ജീവനക്കാരെയും ഉപഹാരം നൽകി ആദരിച്ചു. മാനേജിങ് ഡയറക്ടർ എബിൻ അമ്പാടിയിൽ, ഡോ. കേശവ മോഹൻ, പ്രിൻസിപ്പൽ ഡോ. രാധാകൃഷ്ണൻ, പ്രൊഫ. എൻ.രാധാകൃഷ്ണൻ നായർ എന്നിവർ പങ്കെടുത്തു.

മുൻനിരയിൽ എസ്.എൻ.ഐ.ടി. ചെയർമാൻ സമാനന്തൻ നിരവഹിക്കുന്നു. മറ്റുള്ളവർ എൽ.എൻ.ഐ.ടി. പ്രിൻസിപ്പൽ ഡോ. രാധാകൃഷ്ണൻ, പ്രൊഫ. എൻ.രാധാകൃഷ്ണൻ നായർ എന്നിവർ പങ്കെടുത്തു.

INAUGURATION OF 1 YEAR PROGRAMMES AT SNIT

As part of a decade celebration of SNIT college, management inaugurated one year programmes.

The one year programme is presented by the college Principal Dr. Radhakrishnan which consist of ten mind blowing programmes for the college. Whole SNIT family warm heartly welcomed the socially and technically relevant ten programmes.





STUDENTS CORNER

STRAW-BALE CONSTRUCTION

DEVIKA
VAMADEVAN

S7 CE

The first straw-bale structures we know of were built about a hundred years ago by European settlers in the Sand Hills of Nebraska. Having little other means to shelter themselves, they were driven by necessity to improvise. Using the newly invented steam- and horse-powered balers, they baled the grasses that surrounded them, stacked the bales to form walls, and applied mud or cement plasters inside and out. Some of those homes still exist and are in good shape, as are a few more that were built in Nebraska and Wyoming over the subsequent decades. A revival in straw-bale construction began in the American West in the 1980s and has now spread all over the world. Straw is the plant structure between the root crown and the grain head (hay includes the grain) and is composed of cellulose, hemi-cellulose, lignin and silica. Bales are masses of straw compressed into rectangular blocks that are bound with steel wire or polypropylene twine. There are two basic styles of straw-bale construction. Load-bearing, also sometimes called Nebraska style because of the historical precedents, denotes construction in which the weight of roofs and floors above the ground are supported, partly or entirely, by the bales. The first straw-bale houses were load-bearing, built with nothing but common sense as a guide. Post-and-beam (or infill or non load-bearing) straw bale denotes construction in which no weight of roofs or floors above the ground are supported by the bales. Rather, bales are used as infill panels between or around a structural frame, which can be wood, steel, concrete or masonry. This type of construction has become predominant as builders often find it more adaptable and generally more readily acceptable to building officials, lenders and insurers.

DO YOU KNOW

??

MINIMUM NO. OF BARS

- Min no of bars in square column – 4
- Min no of bars in circular column – 6
- Min dia of main bars and distributors in slab – 8mm
- Beam = 25mm

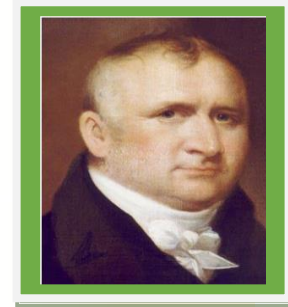
SLUMP VALUES

IS 456:2000

- Lightly reinforced concrete: 25 – 75mm
- Heavily reinforced concrete: 75 – 100mm
- Trench fill: 100-150mm

HAPPY BIRTHDAY

Benjamin Wright, an American civil engineer, born on October 10, 1770 in Wethersfield, Connecticut, to Ebenezer Wright and Grace Butler. In 1789, at age 19, he moved with his family to Fort Stanwix, where he became a land surveyor. He was the Chief Engineer during the construction of the Erie Canal. Benjamin Wright helped build transportation and canal systems in the United States and served as the chief engineer on the construction of the Erie Canal. Wright's influence was so widespread that by the mid-1800s almost every civil engineer in the country claimed some connection to him. At the age of 70, Wright retired but still found time to chair the committee designed



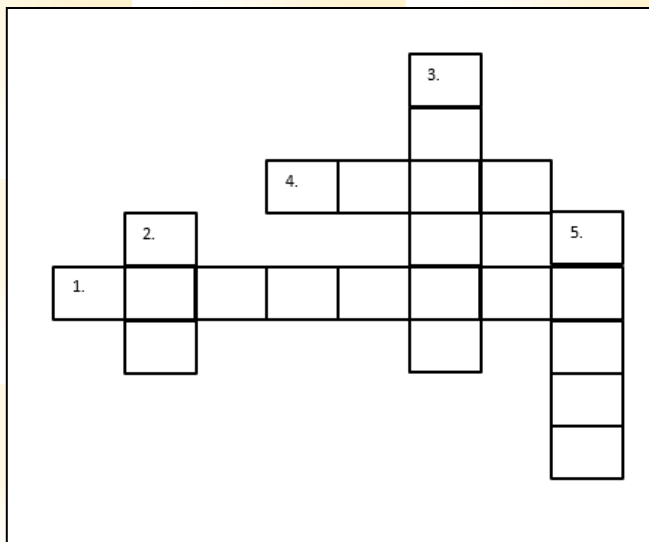
Benjamin Wright

(October 10, 1770)

to establish the country's first national engineering society. Wright passed away in New York City in 1842, but in 1969 the American Society of Civil Engineers (ASCE) declared him "The Father of American Civil Engineering." One year later, the ASCE and the Connecticut Society of Civil Engineers donated a plaque to mark his birthplace in Wethersfield.

SANDRA MARIAM SIMON
M2, SECM

LET'S FIND OUT



HORIZONTAL:

- 1) a window that is attached to its frame by one or more hinges at the side
- 4) a horizontal projection of the top and bottom member of the frame to enable the fixing of the frame in the wall opening

VERTICAL:

- 2) a window space projecting outward from the main walls of a building and forming a bay in a room
- 3) a vertical window that projects from a sloping roof
- 5) the vertical components that sit on the outside edge of a door.

GOLDEN GATE – SAN FRANCISCO (USA)

DETAILS

Carries: 6 lanes of US 101 / SR 1 (see also § Traffic)

- Bicycle route: USBR 95
- Eastern walkway: pedestrians or bicycles during selected hours (see § Usage and tourism)
- Western walkway: bicycles (only when pedestrians are allowed on the eastern sidewalk)

Crosses: Golden Gate

Locale: San Francisco, California and Marin County, California, U.S. Official **name** : Golden Gate Bridge

Maintained by : Golden Gate Bridge, Highway and Transportation District

CHARACTERISTICS

Design: Suspension, Art Deco, truss arch & truss causeways Material : Steel

Total length: 8,980 ft (2,737.1 m), [2] about 1.7 mi (2.7 km)

Width: 90 ft (27.4 m)



HISTORY

Architect: Irving Morrow

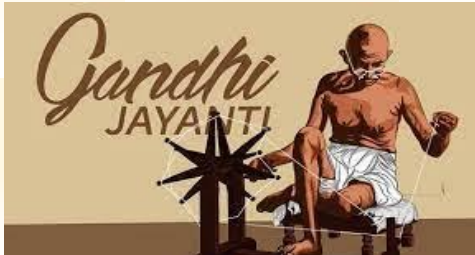
Engineering design: Joseph Strauss, Charles Ellis, Leon Solomon Moisseiff Construction start : January 5, 1933

Construction end: April 19, 1937

Opened: May 27, 1937; 84 years ago

The Golden Gate Bridge is a suspension bridge spanning the Golden Gate, the one-mile-wide (1.6 km) strait connecting San Francisco Bay and the Pacific Ocean. The name of this iconic bridge comes from where it is located, in the Golden Gate Strait. In 1937, the bridge began to be built, driven by the rapid growth of San Francisco, which made it necessary to find land on the other side of the strait. It received popular support for its construction despite the difficulties such as the Great Depression, the strong tides in the zone, the continuous and intense fog, and the dangerous San Andreas fault. 81 years after its construction, and even though other bridges have exceeded it in height and length, the Golden Gate continues being a symbol for San Francisco and the United States that will last "forever" according to its chief engineer Joseph Strauss. With its two towers of more than 227 meters height and its characteristic orange color, the Golden Gate has become a global landmark.

IMPORTANT DAYS



OCTOBER 2 GANDHI JAYANTI

Gandhi Jayanti is celebrated on 2nd October annually to mark the birth anniversary of Mohandas Karamchand Gandhi, popularly called Mahatma Gandhi and regarded as the Father of the Nation. This day provides an excellent chance for countrymen to pay tribute to this great leader, who gave his life for the benefit of the country. The UN General Assembly announced on 15 June 2007 that it adopted a resolution which declared that 2 October will be celebrated as the International Day of Non-Violence. And it is the 152nd birth anniversary of Mohandas Karamchand Gandhi. Gandhi Jayanti is marked by prayer services and tributes all over India, including at Gandhi's memorial, Raj Ghat, in New Delhi where he was cremated.



OCTOBER 8 INDIAN AIRFORCE DAY

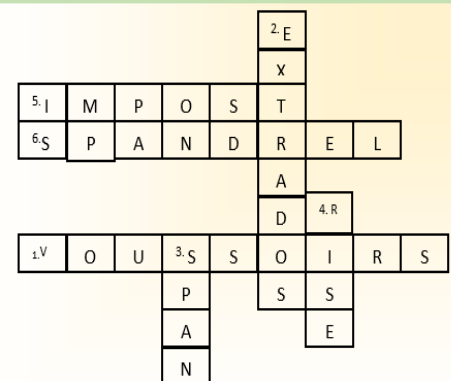
Indian Air Force Day 2021: Officially, the Indian Air Force was established on October 8, 1932. This year marks the 89th anniversary of Indian Air Force Day. It is celebrated with great enthusiasm and fervour at various Air Stations all over the country on October 8. Let us study more about Indian Air Force Day. The Indian Air Force (IAF) is the fourth largest air force in the world after the US, China, and Russia. The day is celebrated in air force bases all across the nation with air shows and parades conducted by air force cadets.

Answers

Last month Sudoku

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

Cross Words



LET'S CHECK IT OUT

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



10TH ANNIVERSARY AWARD CEREMONY

THE IMPACT YOU HAVE WELDED ON US IS WORTH CELEBRATING

DEAR TEACHERS

CONGRATULATIONS



HAPPY BIRTHDAY



BETCY BINU (S2)
OCTOBER 2



ABHIMANYU SANIL (S2)
OCTOBER 11



AKHILA VENU (S2)
OCTOBER 14



ASWIN SHAJI (S7)
OCTOBER 10



AMSHU V S (S7)
OCTOBER 17



SANDRA MARIAM SIMON (MTECH)
OCTOBER 26



HEARTY WELCOME- NEW FACULTY



AMAL ANAND
ADJUNCT FACULTY, CE



JINU DARSH M S
ASSISSTANT PROFESSOR, CE

WEBINAR CONDUCTED

INTERNATIONAL FACULTY DEVELOPMENT PROGRAM

SREE NARAYANA INSTITUTE OF TECHNOLOGY, ADOOR DEPARTMENT OF CIVIL ENGINEERING IN ASSOCIATION WITH "CEPTA" ORGANIZES A FIVE DAY WORKSHOP

"RESEARCH IS SEEING WHAT EVERYBODY ELSE HAS SEEN AND THINKING WHAT NOBODY ELSE HAS THOUGHT." - ALBERT SZENT-GYÖRGYI

RESEARCH ETHICS AND INTELLECTUAL PROPERTY RIGHTS

DEPARTMENT OF CIVIL ENGINEERING, SREE NARAYANA INSTITUTE OF TECHNOLOGY, ADOOR IN ASSOCIATION WITH CEPTA PRESENTS 5 DAY WORKSHOP ON RESEARCH ETHICS AND INTELLECTUAL PROPERTY RIGHTS FROM 2ND TO 6TH OF OCTOBER 2021 TO PROMOTE A GOOD RESEARCH CULTURE.

DAY 1
Dr. Daniel C. Senior Research Fellow IIT Delhi

DAY 2
Mr. Nishu Lal Research Scholar, NIT, Calicut

DAY 3
Dr. Murganathan Ponnusamy Deputy Registrar IIT Kalyani

DAY 4
Dr. Kesava Mishan Academic Chairman & Director School of Management Studies, SNIT Aador, Member of SEAC, Former Director of ILDM, Member of SDMA, Founder of Former Director of JACS

DAY 5
Dr. Bino J. Koshy Professor in Civil Engineering Amal Jyothi College of Engineering

The Event consists of 3 sessions;
Any students, research scholars or faculty from any college can participate.
REGISTRATION FEE: ₹150-
E-Certificates will be Awarded to all Participants

For registration <https://forms.gle/9MEduKkG1843Dg3n8>
Registration will be closing on 02-10-2021 by 8:00 a.m.

CONTACT:
Event Coordinators:
Reshma M. Raju - +91 78109 85840
Rajalakshmi P. - +91 82899 30814

Student Coordinators:
Feroza Paul - +91 9497728328
Jithin Jyothi - +91 73068 18875

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CERTIFICATE
OF PARTICIPATION
SUSTAINABLE DEVELOPMENTS AND PRACTICES IN
GEOTECHNICAL & GEOENVIRONMENTAL ENGINEERING

This certificate is presented to
Ms. RESHMA C

for the active participation in the International Faculty Development Program on "Sustainable Developments and Practices in Geotechnical & Geoenvironmental Engineering", held from 12th October 2021 to 23rd October 2021, organized by the Department of Civil Engineering, Rajagiri School of Engineering & Technology.

Dr. Rajeev Kumar P
Programme Coordinator

Mr. Jayakumar J
Programme Coordinator

Prof. Dr. Sreejith P. S.
Principal

Rajagiri Valley, Kochi-682 039, Kerala, India
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 Good luck for your future endeavors

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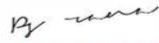
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before 25th of every month

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THANK YOU



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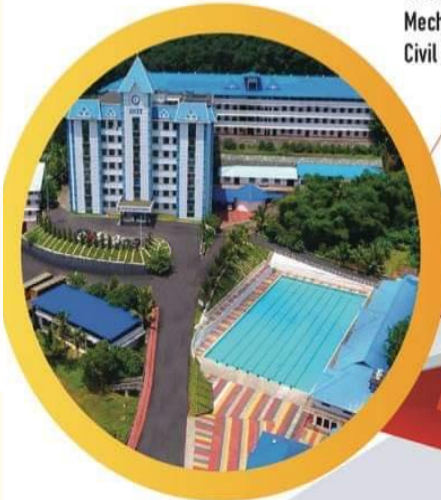
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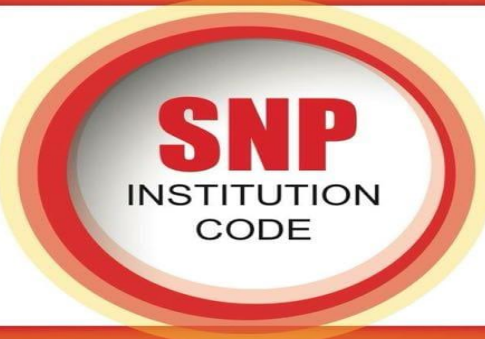
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