GOVERNMENT SECTOR



Mr.Godase Vishal Navnath

Jr. Engineer at Water Resource Engineer, Govt. of Maharashtra

Location : Bembale, Tal- Madha



Mr.More Nitin Pawan Ass. Engineer Construction

Department Solapur

Location : Mahud, Tal-Sangola



Mr.Bhuirkar Namdev Dhanaji

Jr. Engineer at Water Resource Engineer, Govt. of MAharashtra

Location : Pandharewadi Tal- Pandharpur



Mr. Khune Omka Vasudev Jr.Engineer at Tata Consulting Engineer Pun

Location : Anwali

Members



Mr. Kumbhar Vikram Sitaram Jr.Engineer at Jay Bajrangbal Construction, Pune

Location : Khardi

Mr. Bhosale A.U. Mr.Raut R.C.



Savkar

PRIVATE SECTOR

Mr. Mulani Sahi

Badshah SBM Construction, Pune Sr. Engineer at Jay Location : Utagi Location : Aundi



M/S Rohan Ramkamal Enterprises Pvt.Ltd.

Ms.Balwantrao A.D.

Location : Shahabad (Wadi)



Mr.Chavan R.R.

KARMAYOG



Chandrayaan-3 Mission:

सर्वात प्रथम श्री.पी. विरामुथुवेल आणि त्यांच्या टिमचे अभिनंदन की,त्यांनी भारताचे चांद्रयान ३ लँडरने (Chandrayaan-३) चंद्राला अलिंगन दिलं... इस्त्रोचे यान चंद्राच्या कुशीत गेलं आणि बंगळूरुमधील इस्त्रोच्या मुख्यालयात एकच जल्लोष सुरू झाला. भारताचे चांद्रयान ३ लँडर चंद्राच्या दक्षिण ध्रुवावर उतरलं आणि अवघ्या देशाचं लक्ष इस्त्रोच्या (ISRO) ज्या कमांड सेंटरकडे लागलं होतं त्या ठिकाणी एकच जल्लोष झाला. चंद्राच्या दक्षिण ध्रुवावर (South Pole Of Moon) उतरणारा भारत हा जगातील पहिलाच देश ठरला आणि याच ऐतिहासिक कामगिरीमागे ज्यांचे हात होते त्यांनी एकच जल्लोष केला.

भारतासह जगातील प्रत्येकाच्या नजरा या ऐतिहासिक घटनेकडे लागल्या होत्या. जसजसा लॅण्डिंगचा क्षण जवळ येत होता, तसतशी धाकधुक वाढत गेली. श्वास रोखले गेले. हात जोडले गेले आणि डोळे मिटले गेले. आणि बातमी आली. चांद्रयान- ३ मोहीम फत्ते झाली. प्रत्येक भारतीयाच्या डोळ्यांत आनंदाश्र तराळले. आणि मनात आनंदाचे धबधधबे फुलन गेले. भारताच्याच नाही तर संपूर्ण जगाच्या इतिहासात, जिथं जगातलं कणीच गेलेलं नाही. अशा दक्षिण ध्रवाच्या उंबरठयाला भारताने गवसणी घातलीय. त्यामुळे हा क्षण फफक्त भारताच्याच नाही तर, अखंड जगाच्या इतिहासात नोंदवला जाणार आहे. ज्या क्षणाची प्रत्येक भारतीय वाट पाहत होता तो क्षण आला... भारताचे चांद्रयान ३ मिशन २३ ऑगस्ट रोजी संध्याकाळी ६ वाजून ४ वाजता चंद्रावर लॅंड झालं आणि एकच जल्लोष झाला. गेल्या तीन चार वर्षांपासून शास्त्रज्ञांनी एकाच ध्यासानं काम केलं... त्या कामाचं आज चीज झाल्याचं चित्र इस्त्रोच्या शास्त्रज्ञांच्या चेहऱ्यावर दिसलं. चंद्रावर जाण्याचं स्वप्न बऱ्याच देशानी पाहिलं, चंद्रावर पाऊल टाकण्यासाठी प्रयत्नांची पराकाष्ठा केली, पण चंद्रावर पोहोचण्याच्या प्रवासात अनेकदा वाटेतच विघ्न आली. भारताच्या चांद्रयान मोहिमेतही अडचण आली. २०१९ साली चांद्रयान २ चंद्राच्या पृष्ठभागापासून काहीच अंतरावर असताना क्रॅश झालं. पण इस्त्रो खचलं नाही. पुन्हा एकदा नव्या उमेदीने चांद्रयान ३ वर काम सुरू झालं. गेल्या मिशनमधील ज्या काही उणिवा होत्या त्या कमी करण्यात आल्या

भारताच्या इतिहासातली सर्वात मोठी, सर्वात अभिमानाची आणि सर्वात मोठ्या गौरवाची अशी ही गोष्ट. भारतातील १४० कोटी जनतेची मान आज अभिमानाने वर गेली. ऊर आनंदाने भरून आला. आज प्रत्येकजण इस्रोच्या शास्त्रज्ञांना कडक सॅल्युट करत एवढचं म्हणतोय, गर्व आहे मला, मी भारतीय असल्याचा. कारण, भारताच्या चांद्रयानाने चंद्राला अलिंगन दिलंय. इस्रोचं यान चंद्राच्या कुशीत शिरलंय आणि महत्त्वाचं म्हणजे, आधीच्या चंद्रमोहिमांच्या अपयशाची जळमटं क्षणार्धात कुठल्या कुठं झटकुन टाकली गेलीत. भारताच्या यशाचा सूर्य थेट चंद्रावर उगवला आहे.

Shri Pandurang Pratishthan Pandharpur's

KARMAYOGI INSTITUTE OF TECHNOLOGY (POLYTECHNIC) 15 Sept 2023 Issue : V **DEPARTMENT OF CIVIL ENGINEERING**

ABOUT THE DEPARTMENT The department of civil engineering was stared in the academic year 2008-2009 with an aim of promoting high quality education of civil engineering in rural area. The department currently offers diploma in civil engineering (DCE) program following the MSBTE curriculum. The teaching is assisted with digitalized presentation for better understanding of the students. Indus

trial visits are arranged for students to gain

practical experience.



Rs: 25000/-Winning Amount **National Level Project Competition SHODH 2023** At JSPM & TSMM, Narhe, Pune

Abstract

Pervious concrete as a paving material has seen renewed interest due to its ability to allow water to flow through itself to recharge ground water and minimize storm water runoff. This introduction to pervious concrete pavement reviews its applications and engineering properties, including environmental benefits structural properties, and durability. Both hydraulic and structural design of pervious concrete pavements is discussed, as well as construction techniques. It works by having a permeable layer of concrete on top that allows water to drainthrough the matrix of relatively large pebbles into a loose base of rubble beneath. Drainage channels incorporated into the rubble can help to increase the amount of water







VISION-

Transform rural undergraduates into a aspirant civil engineer to enhance economical level and acquire a status in society.

MISSION-

- To develop & maintain dedicated faculty members who are committed to maintain learner centered environment with emphasis on student mentoring.
- To promote quality education with professional skill for industrial and social needs.
- To imbibe moral & ethical values among civil engineering students

PROGRAM EDUCATIONAL OBJECTIVES (PEO's)

- PEO1: Under Graduates will be actively engaged in a professional career as a civil engineer.
- PEO2: Under Graduates will be able to become entrepreneur & will provide employment.
- PEO3: Under Graduates will be able to use their fundamental knowledge to pursue higher Education & will continue his professional development

OUR ACHIEVERS

First Year Civil







Praniti Kawade 84.36%

Dhumal 81.33%

Chandrashekhar Prakash Gawade Dhumal 80.53%

Second Year Civil



Paval Pise

93.16%





Shivam Deshmuk

Mayur Yele 81.35%



Kiran Jamdade

85.16%





Ketaki Chava



Educational visits play an important role in educating students in a practical and interesting manner. It is the natural fact that something that is seen in real can be easily perceived than something that we simply read in a book and memorize theoretically. Learning something by seeing it in person is far better than just learning from books. Also, practical learning stays longer in our mind. So, taking students to visits that will relate to their academics can help them learn the things in a much better way.

Educational visits can also be a way to fun and recreation and act as a stress buster for students. Arranging the educational visit is a good idea to enhance the knowledge of the students. Educational visits are based on an interest-driven approach to improve the overall learning and development of students. On an educational visit, students are energized, excited and thrilled in anticipation of fresh p e r s p e c tive s and informal environments.

There is a general saying "I hear and I forget, I see and I remember, I do and I understand," it describes the theory of retaining more information when visually experiencing the activities in a chosen environment.





Industry training has been established to provide students with an overview of industries and to expose them to different aspects of a business, all under the guidance of skilled and experienced persons within the organization. This exposure should include all or most of the following aspects of business such as: management- and personnel policies, financial, marketing and purchasing functions, legal and social aspects, operations and technical activities. These goals can be achieved through the following forms of interaction: Introduction to the organizational policy and culture Organisation of the structure and hierarchy of ranks within the organization. Liaison with employees at different levels. Liaison and cooperation with other engineering disciplines. Meaningful work programs or projects done from planning to completion and reporting.

An ultimate objective of an Industrial Training is to make students ready for the employment in the specific discipline at the conclusion of the diploma course in specific branch of engineering. The programme wise knowledge will be enhanced by this opportunity, to relate academic and professional aspects of engineering disciplines.

Various objectives of industrial training can be listed as: To gain hands-on experience of working as an engineering professional, including the technical application of engineering principles and methods. To work with other engineering professionals. To experience the work discipline in a professional organization. To develop technical, interpersonal and communication skills, both oral and written. To observe interactions of engineers with other professional groups. To study the structure of an organization and observe its functioning. To get the exposure of management programmes and systems, effective administration methods. To understand the process, drawings, techniques, methods etc., and compile it in documentation form.



Teachers Day

In India, the Teacher's Day is celebrated on 5th September and this tradition started from 1962. This is the when Dr. Sarvepalli Radhakrishnan was born. He was a philosopher, scholar, teacher, and politician and his dedicated work towards education made his birthday an important day in the history of India. International Journal of Engineering Technology and Management Sciences Website: ijetms.in Issue: 3 Volume No.7 May - June - 2023 DOI:10.46647/ijetms.2023.v07i04.012 ISSN: 2581-4621



Comparison between Limit State Method & Working Stress Method for R.C.C Structure

Mr. Imam Korabu Head of Civil Engineering Department

ABSTRACT: - Now a days R.C.C & steel structures are used in massive ways. Recently all the consultants are designed the R.C.C Structures by plastic method & its design by limit state method. The analysis & design of R.C.C buildings consists of beam, column, slabs & footings. The analysis & design of R.C.C Structures carried out by limit state method & working stress method. The sections obtained by limit state method should be comparing with sections obtained by working stress method to check the economy in design.Keywords— I.S 456-2000, Limit state method, Working stress method, sections, comparisons etc.



December 1st, 2022 is a momentous day as India assumed the presidency of the G20 forum, taking over from Indonesia. As the largest democracy in the world, and the fastest growing economy, India's G20 presidency will play a crucial role in building upon the significant achievements of the previous 17 presidencies.

As it takes the G20 Presidency, India is on a mission to bring about a shared global future for all through the Amrit Kaal initiative with a focus on the LiFE movement which aims to promote environmentally-conscious practices and a sustainable way of living. With a clear plan and a development-oriented approach, India aims to promote a rules-based order, peace and just growth for all. The 200+ events planned in the run up to the 2023 Summit will strengthen India's agenda and the six thematic priorities of India's G20 presidency.

The G20 group of 19 countries and the EU was established in 1999 as a platform for Finance Ministers and Central Bank Governors to discuss international economic and financial issues. Together, the G20 countries account for almost two-thirds of the global population, 75% of global trade, and 85% of the world's GDP. In the wake of the global financial and economic crisis of 2007, the G20 was elevated to the level of Heads of State/Government and was named the "premier forum for international economic cooperation."

The G20 has two main tracks of engagement: the Finance Track for finance ministers and central bank governors and the Sherpa Track. The G20's proceedings are led by the Sherpas, who are appointed as personal envoys of the leaders of member nations.These Sherpas are responsible for overseeing the negotiations that occur throughout the year, deliberating on the agenda for the summit and coordinating the substantive work of the G20. Both tracks have working groups to address specific themes with representatives from relevant parties.

Photos During Practical



In conclusion, practical knowledge is essential for Civil Engineers to become successful in their careers. It provides them with hands-on experience, helps improve their problem-solving skills, and enhances their understanding of industry regulations, among other benefits.

Practical-learning makes the study more fun and engaging for students. Practical-Learning assists students in identifying their real interests and choose a c a r e e r a c c o r d i n g l y. Students are more likely to succeed in the career of their choice. Having a hands on experience in your life is very important.

A.T.K.T

ठेवले होते पाऊल, होण्यासाठी इंजिनिअर, फोर गिअर ची गाडी, म्हटल चला टाकू first गिअर... कधी Second कधी Third, काही होते first class, Welcome झालं Introduction झालं,सुरू झाले क्लास...॥

आधी होता थंड, मग झाला गरम वारा, पहाड्यासारखे उभे, होते विषय बारा – बारा... Concrete म्हणजे Cement, Aggregate & Water, याचे Mixture हीच होते Definition...।।

Problem काही सुटत नव्हते, MOS चे होते Tension , काय तो Survey आणि काय तो BCO... दोन्ही होते एकदम First Class,

दसरा गेला गेली दिवाळी, लाडू करंज्या खाऊन झाले...।

उरात धडकी भरणारे ,First Sem चे दिवस आले, बारा – बारा तास अभ्यास करून, डोळे लाल होत होते... रात्र भराची मेहनत म्हणून, काही वर्गातच डुलक्या घेत होते, केलेला अभ्यास सारा परीक्षेत कमी आला...।।

गेले सहा, राहिले सहा आर्धा भार कमी झाला,

अर्ध वर्ष संपूर्ण गेलं पण... आमचं आम्हाला कुठे कस जुळल नाही,

First, Second आणि Third Year ही ट्राय केलं...।।

हरभराच्या झाडावर चधवून प्रत्येकान मला Bye केलं, जाऊदे स्हटल आपल्पायेक्षा इतरांची हालत वाईट आहे... First Year Clear निघण्यासाठी Second SEM थी Fight आहे, बघता बच्चा वर्ष संपर्ल Seminar ने खिडीत गाठल...।।

Assignment, project चे ढीग, बघून वाटल जणू आभाळच फाटल,

सर्व अडथळे मागे टाकून Second SEM पार केलं... पण काय सांगू मित्रांनो शेवटी result नेच गार केलं, निराशेचे विष आम्ही घशाखाली पचवले...।।

गेलाच होता जीव पण A.T.K.T ने वाचवले...।

-Aarti D.Balwantrao

Micro Project Poster Presentation



Presented by- Payal D. Pise

E-TENDERING WORKSHOP (from 14-04-2023 to 16-04-2023)



E tendering workshop gives the student more information about what is the exact procedure for filling online tenders, which documents are required for filling tender, how many department are publishing their works offers online etc. This **Three** days' workshop fulfill the students above requirements and guide them for obtaining necessary information form respective websites, tender related requirements, etc.

E-Tendering (electronic tendering) is the process of using online procurement (eProcurement) platforms to automatically solicit bid tenders and evaluate suppliers. Paperless e-Tendering includes bid solicitation, submitting bidder proposals in response to formal buyer requirements, document exchange, and evaluating shortlisted potential vendors and their bids.

E-Tendering works through an Internet-based, online, or mobile software platform that may include a portal when a buyer issues an Invitation to Tender (ITT) or Notice Inviting Tender (NIT) to potential suppliers who respond to the purchase request.

World's first 3D-printed apartment building constructed in China



A Chinese company has successfully 3D printed a five-storey apartment building and a 1,100 square metre villa from a special print material.While architectural firms compete with their designs for 3D-printed dwellings, one company in China has quietly been setting about getting the job done. In March of last year, company WinSun claimed to have printed 10 houses in 24 hours, using a proprietary 3D printer that uses a mixture of ground construction and industrial waste, such as glass and tailings, around a base of quick-drying cement mixed with a special hardening agent.

Now, WinSun has further demonstrated the efficacy of its technology -- with a five-storey apartment building and a 1,100 square metre (11,840 square foot) villa, complete with decorative elements inside and out, on display at Suzhou Industrial Park.

The 3D printer array, developed by Ma Yihe, who has been inventing 3D printers for over a decade, stands 6.6 metres high, 10 metres wide and 40 metres long (20 by 33 by 132 feet). This fabricates the parts in large pieces at WinSun's facility. The structures are then assembled on-site, complete with steel reinforcements and insulation in order to comply with official building standards.

Although the company hasn't revealed how large it can print pieces, based on photographs on its website, they are quite sizeable. A CAD design is used as a template, and the computer uses this to control the extruder arm to lay down the material "much like how a baker might ice a cake," WinSun said. The walls are printed hollow, with a zig-zagging pattern inside to provide reinforcement. This also leaves space for insulation.