

NIRMAAN

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National Science Day : 28-Feb-2024



National Science Day is celebrated every year in India on February 28th to commemorate the discovery of the Raman Effect by Sir C.V. Raman. It is an occasion to recognize the contributions of scientists and engineers towards the advancement of knowledge and technology. In the Civil Engineering department, this day holds particular significance as we acknowledge the role of science in shaping our built environment.



**"SCIENCE IS EVERYWHERE, NO MATTER IF
YOU BELIEVE IN IT OR NOT"**

Innovation Unleashed: A Journey into Entrepreneurship : 20-Jan-2024



"Innovation Unleashed: A Journey into Entrepreneurship" is a captivating exploration into the dynamic world of entrepreneurship, delving into the intricate processes of innovation and creativity that drive entrepreneurial ventures forward. This journey unfolds as a narrative rich with insights, anecdotes, and practical advice, offering readers a comprehensive understanding of the entrepreneurial mindset and the strategies employed by successful innovators.

The objectives of "Innovation Unleashed: A Journey into Entrepreneurship" can be multifaceted, aiming to fulfill various goals that cater to both the author's intentions and the readers' needs. Here are some potential objectives:

By aligning its objectives with the needs and aspirations of its target audience, "Innovation Unleashed: A Journey into Entrepreneurship" can effectively engage and empower readers to embark on their own entrepreneurial journeys with confidence and purpose.



Earth Day - Sustainable Innovative Solutions against Plastic Pollution : 22-Apr-2024



World Earth Day aims to achieve several key objectives, including raising awareness about environmental issues, promoting sustainable practices, and inspiring action to protect the planet. It serves as a platform for individuals, communities, and organizations to come together and advocate for environmental conservation, biodiversity preservation, and climate change mitigation. Through educational initiatives, community events, and grassroots efforts, World Earth Day seeks to empower people to make positive changes in their daily lives and contribute to the collective effort of safeguarding the Earth for current and future generations.

World Earth Day, celebrated annually on April 22nd, is a global initiative aimed at raising awareness about environmental issues and promoting sustainability. It serves as a reminder of the importance of protecting our planet and preserving its natural resources for future generations. On this day, people around the world come together to participate in various activities such as tree planting, clean-up campaigns, and educational events to advocate for environmental conservation. It's a time for individuals, communities, and organizations to unite in their efforts to combat climate change, biodiversity loss, and other ecological challenges, ultimately striving towards a healthier and more sustainable world for all.



Neighborhood Clean-Up Initiative : 23-March-2024



Our Neighborhood Clean-Up Initiative is all about neighbors coming together to make our community cleaner and greener. We'll be picking up litter, beautifying public spaces, and promoting sustainability. Join us for a day of making a positive impact and fostering a stronger sense of community pride!



“ BE A PART OF SOLUTION , NOT THE PART OF POLLUTION “

“Participating in the Neighborhood Clean-Up Initiative offers a chance to learn about environmental issues, teamwork, and problem-solving. Through hands-on activities, like picking up litter and recycling, participants develop skills in leadership, community engagement, and environmental conservation. This initiative fosters a sense of responsibility towards our neighborhood and the environment, while also strengthening bonds within the community.”



Cultivating Creativity Empowering Entrepreneurs and Startups through Innovation : 27-March-2024



"Cultivating Creativity: Empowering Entrepreneurs and Startups through Innovation" is a transformative session aimed at inspiring individuals to embrace creativity as a cornerstone of entrepreneurial success. Through engaging discussions and practical exercises, participants explore the pivotal role of innovation in driving business growth and sustainability. They learn to harness their creative potential to identify market opportunities, overcome challenges, and develop innovative solutions. By fostering a culture of innovation, this session equips entrepreneurs and startups with the mindset and tools needed to thrive in today's dynamic business landscape, empowering them to turn their ideas into impactful ventures that shape the future.

The objective of "Cultivating Creativity: Empowering Entrepreneurs and Startups through Innovation" is to inspire and equip participants with the mindset, skills, and strategies necessary to harness creativity as a driving force for entrepreneurial success. Through interactive sessions and practical exercises, this program aims to foster a culture of innovation, empowering entrepreneurs and startups to identify opportunities, overcome challenges, and develop groundbreaking solutions that propel their ventures forward in today's dynamic business landscape.



Construction Building Techniques: 31-Jan-2024



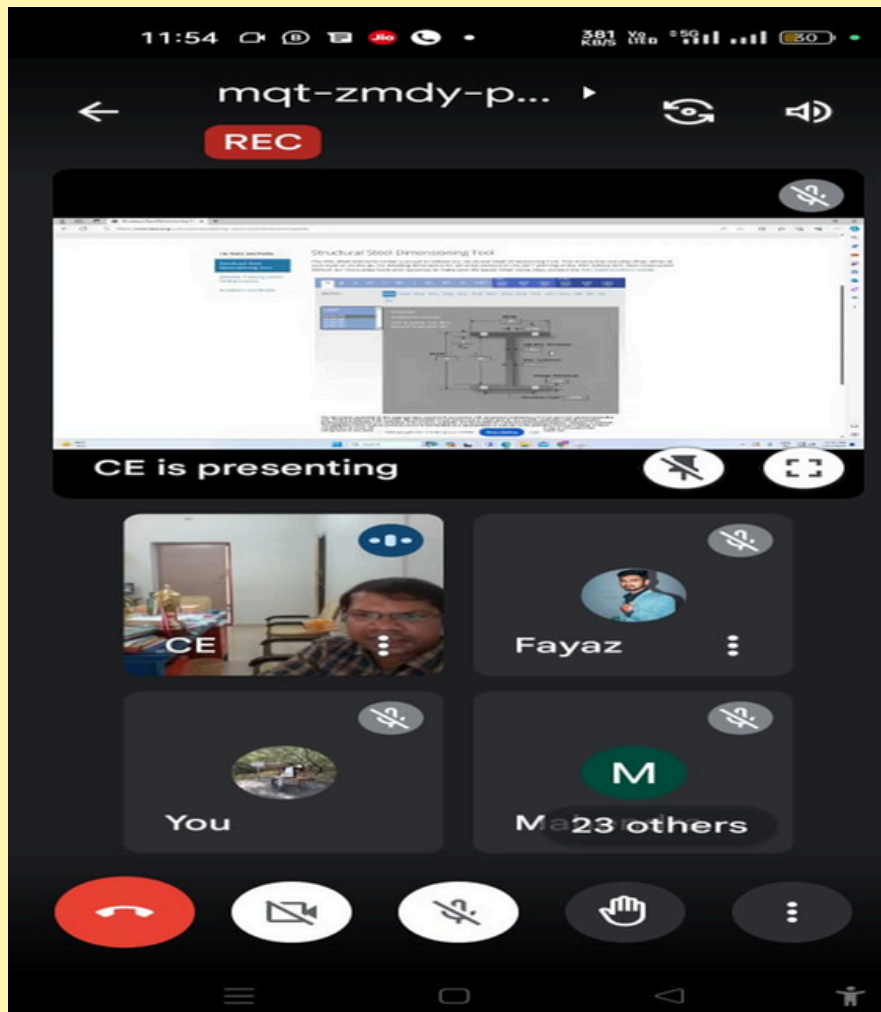
The objective of the program was to educate participants on various aspects of construction building techniques including concrete mixing, compaction, finishing, and understanding building parts

- Overview of the importance of proper construction techniques.
 - Introduction to safety measures and precautions.
 - Explanation of the components of concrete mix: cement, aggregates, water, and additives.
 - Demonstration of proper mixing ratios for different types of concrete.
 - Hands-on session for participants to understand the process of mixing concrete.
 - Importance of proper compaction for durable structures.
 - Discussion on different compaction methods: hand compaction, mechanical compaction, etc.
 - Practical demonstration of compaction techniques using appropriate equipment.
 - Explanation of finishing techniques for concrete surfaces.
 - Demonstration of tools used for finishing such as trowels, screeds, and floats.
 - Hands-on practice session for participants to learn basic finishing techniques.
 - Overview of the various parts of a building including foundation, walls, floors, and roof.
 - Explanation of the role of each building part in the overall structure.
- Visual aids and diagrams used to enhance understanding.

The program was successful in providing participants with a comprehensive understanding of construction building techniques. Through a combination of theoretical explanations, practical demonstrations, and hands-on sessions, participants gained valuable knowledge and skills that will enable them to contribute effectively to construction projects in the future.



American Conventional Steel Detailing Process : 11-Jan-2024



Construction is the process of constructing a building or infrastructure. Construction as an industry comprises six to nine percent of the gross domestic product of developed countries.

Construction industry is the second largest industry in this world, after agriculture. Even it is quite larger than the information technology, telecom or electronics industries. This industry includes construction of residential & commercial buildings, roads & transportation, airport, railway, port setup & expansion of new factory & industry- power plant, cement plant, steel plant, chemical plant, oil & gas plant, on shore & offshore projects etc.

Steel detailing industry is a part of construction industry. Steel detailing industry is responsible for preparation of construction drawings for construction industry. Steel detailing is a specialist area of structural drafting. Steel detailing is the process of translating design/ engineering/ contract drawings to shop & field drawings. This process involves detailing of all steel parts for their interconnectivity & assembly during fabrication & erection. Business Volume of Steel Detailing Industry business is around 2 to 3 percent of construction industry.

**“THE FINEST STEEL
HAS TO GO
THROUGH THE
HOTTEST FIRE”**



TRACE-2K24 (RIPPLE) : 03-April-2024



The technical symposium (TRACE-2K24), which is organized by Department of Civil Engineering, held during 03 - 04 April 2024, was a resounding success, bringing together students, professionals, and experts from various locations in the field of Civil Engineering & Technology. The event featured a diverse range of activities, including:

- Workshop on 'PRIMAVERA': The workshop on Primavera was a resounding success, providing participants with a comprehensive understanding of this powerful project management tool.
- PowerPoint Presentations: Students and professionals presented their research papers and projects.
- Poster Exhibition: Participants displayed their posters, illustrating their research, designs, and innovations.
- CAD Quest: A computer-aided design competition where participants showcased their skills in creating innovative designs
- AICTE-Parakh: Technical Quiz competition organized using AICTE Parakh Portal. The technical quiz was a comprehensive assessment of participants' knowledge and skills in applying knowledge to real-world engineering projects.
- Model Making: Innovative models and prototypes were showcased in the event.
- Mapathon: A mapping competition where participants created detailed maps using geospatial tools (QGIS).
- Layout Marking: A competition where participants demonstrated their skills in creating accurate layouts and markings.



**"TECHNOLOGY IS
BEST WHEN IT
BRINGS PEOPLE
TOGETHER"**

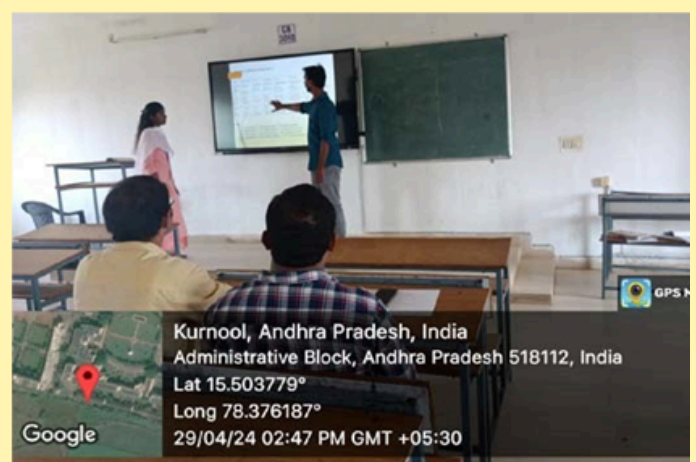


RECENT ADVANCES IN CIVIL ENGINEERING : 29-April-2024



The National Conference on Recent Advances in Civil Engineering (RACE-2K24) was a resounding success, offering valuable insights into the latest advancements and future directions in the field. The contributions of guest of honor Prof. A. Murali Krishna and the diverse range of topics covered underscored the conference's role in advancing civil engineering practices and fostering collaboration among professionals.

The conference was graced by Prof. A. Murali Krishna, a renowned figure in civil engineering, who delivered an inspiring keynote address. Prof. A. Murali Krishna's talk focused on "Geosynthetics Materials for Sustainable Civil Engineering Applications" emphasizes the integration of advanced technologies and sustainable practices by geosynthetic materials to improve the performance of civil engineering projects. These materials include geotextiles, geomembranes, geogrids, and geonets.



PUBLICATIONS

a) Journals Articles

- **M. UMAR BASHA**; MANISH PANDEY, DEEKSHA NAYAK; SATYAVATI SHUKLA AND ANOOP KUMAR SHUKLA PUBLISHED PAPER ON “SPATIAL-TEMPORAL ASSESSMENT OF ANNUAL WATER YIELD AND IMPACT OF LAND USE CHANGES ON UPPER GANGA BASIN, INDIA, USING INVEST MODEL”. JOURNAL OF HAZARDOUS, TOXIC, AND RADIOACTIVE WASTE VOL 28, ISSUE 2- APRIL 2024
- FAISAL MEHRAJ WANI, JAYAPRAKASH VEMURI, **CHENNA RAJARAM** PUBLISHED PAPER ON “STRONG GROUND MOTION CHARACTERISTICS OBSERVED IN THE FEBRUARY 6, 2023 MW7.7 TÜRKIYE EARTHQUAKE”.
- DR K RAMADEVI, SONAL BANCHHOR, P SUDHEER KUMAR, RIYAZ SYED, **B NAGA KIRAN**, & AMRUTA JAGADISH KILLOL. (2024). “EVALUATION OF COMPRESSIVE STRENGTH OF CONCRETE USING NDT AND ARTIFICIAL INTELLIGENCE METHODS”. JOURNAL OF ADVANCED ZOOLOGY, 45(2), 235–241.
- NEERAJA KONKULA, FAISAL MEHARAJ WANI, CHEREDDY NAVYATHA, JAYAPRAKASH VEMURI, AND **CHENNA RAJARAM.**, 2024, “EVALUATION OF CONSTANT DUCTILITY DISPLACEMENT RESPONSE SPECTRA FOR NEAR-FAULT GROUND MOTIONS OF THE 1999 CHI-CHI EARTHQUAKE”, CURRENT SCIENCE, VOL.126, NO.7, PP.1-11.

b) Books Published:

- V. SAI NEERAJA, SRUTHI. S, RAJENDRA KUMAR. **P, PRUDHVI RAJ.** D. V “STUDIES ON THE PROPERTIES OF PERVIOUS CONCRETE” BOOK NAME: FUTURISTIC TRENDS IN CONSTRUCTION MATERIALS & CIVIL ENGINEERING-VOLUME 3 BOOK 3. AREA/STREAM: CIVIL ENGINEERING / STRUCTURAL ENGINEERING / STRUCTURAL DYNAMICS. PUBLISHED IN: IIP SERIES.VOLUME:3, MONTH: MAY, YEAR: 2024. PAGE NO.54-62.

2021-2024 BATCH PLACEMENTS



Shaik Abdul Rahman
20091A0101
Steel Cube



T. Ashok
20091A0103
SkillWinner, Teachnook



M. Bharath
20091A0106
Skill Winner



K. Devika
20091A0112
Teachnook Raster, Steel
Cube, Capgemini, Holograd



B. Dorkha
20091A0116
Anagha Space



D. Fayaz Ali
20091A0118
Teachnook, Steel Cube,
Vaco Binary



G. Gowtham
20091A0121
Steel Cube



Kumari Jyoti
20091A0131
Teachnook, Raster



M. Konda Reddy
20091A0133
FUREIN
Constructions



B. Manisha
20091A0143
Teachnook



P. Meghana
20091A0146
Teachnook



S.Md. Gouse
20091A0147
Skill Winner, Teachnook



M. Murali Krishna
20091A0148
Teachnook



G. Neeraj
20091A0151
Teachnook



K. Prashant
20091A0158
Skill Winner, Raster
Teachnook,



S. Pravallika
20091A0160
Skill Winner



V. Rakesh
20091A0162
Teachnook



G. Ramanjaneya
20091A0163
Teachnook



G. Ratnakar
20091A0166
Teachnook



T. Ritwica
20091A0167
Teachnook



C. RudraTeja
20091A0168
Raster



C. Siva Shankar
20091A0180
Teachnook



B. Sravan Teja
20091A0181
Teachnook



V. Teja Santhosh
20091A0192
Teachnook



D. Veera Akshay Kumar
20091A0193
Anagha Space



B. Vijaya Lakshmi
20091A0196
Vaco Binary



U. Vinod
20091A0197
Skill Winner



Shaik Md.Nasir
20095A0144
Raster



Kavali Akhila
21095A0102
Anagha Space



S. Deena Mohammad
21095A0104
Skill Winner, Anagha Space



G. Karthik
21095A0109
Raster



J. Naga Diwakar
21095A0113
Steel Cube



K. Pragnesh
21095A0114
Raster



G. Ranjith Kumar
21095A0115
Teachnook, Anagha



B. Sai Kumar
21095A0116
Teachnook



K. Sireesha
21095A0119
Skill Winner



B. Tharun
21095A0120
Skill Winner



P. Vigneswar Reddy
21095A0121
SteelCube, Skill Winner



Education is the passport to the future, for
tomorrow belongs to those who prepare for it
today.

—Malcolm X



CIVIL LABORATORIES





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