

WIRAN

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Message from Dean (Academic Affairs)

Dear readers,

A warm welcome to the eagerly anticipated second edition of our newsletter! We are overjoyed by the incredible response to our inaugural issue and extend heartfelt thanks to our readers for their tremendous support. In this edition, we delve into the core of our identity—the distinguished National Institute of Construction Management and Research (NICMAR).

Established in 1999, NICMAR's Hyderabad campus has been a trailblazer in advancing the fields of construction and infrastructure. In 2016, the campus underwent a transformative relocation to a sprawling 31-acre site in the tranquil surroundings of Shamirpet. This strategic move not only improved the physical infrastructure but also created an ideal academic haven amidst lush green fields.

Our Hyderabad campus proudly offers a comprehensive range of programs, catering to diverse academic pursuits. These include postgraduate studies in Advanced Construction Management, Advanced Project Management, Logistics and Supply Chain Management, Quantity Surveying and Contract Management, and Health, Safety, and Environment Management. The rich tapestry of our academic offerings is complemented by an extensive alumni network, comprising over 4000 professionals who have successfully emerged from our esteemed institution.

This expansion is a testament to NICMAR's unwavering commitment to providing students with an environment conducive to academic excellence. Our goal is to empower individuals to pursue their dreams with an unwavering sense of zeal and determination.

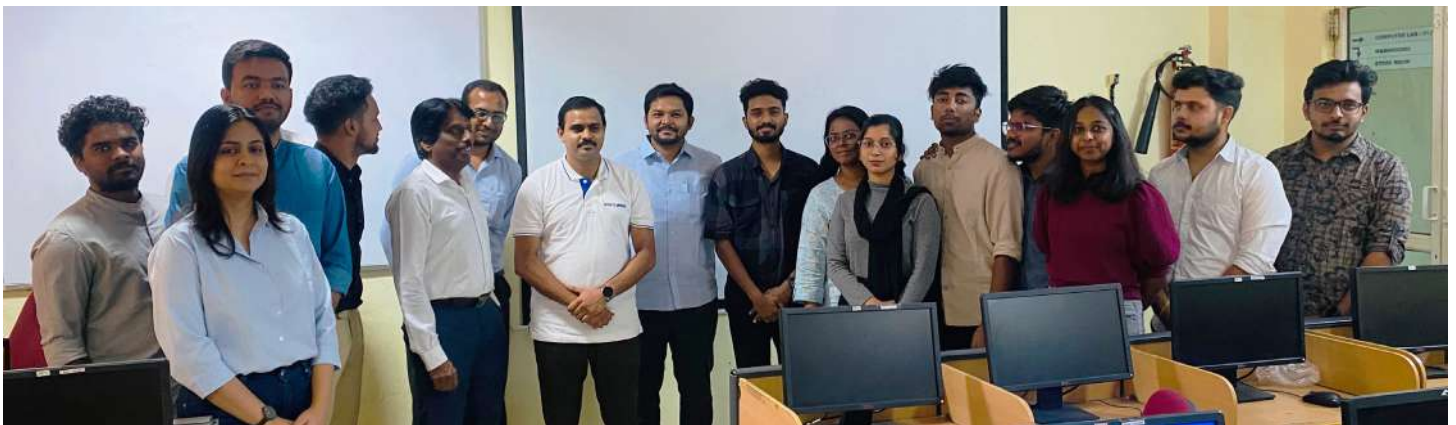
However, amidst our achievements, we also share the sorrow of losing one of our brightest students, Nikitha Karnam, from the ACM batch 37 (2023-2025). She departed from this world on the 2nd of December 2023. This unfortunate event underscores the uncertainty of life and emphasizes the importance of living in the present moment.

As we step into 2024, may it be a year filled with hope and happiness for all. May each day be touched by sunshine, and may you find fulfillment in every moment. We thank you for being an integral part of the NICMAR community and look forward to a year brimming with learning, achievements, and an unwavering zest for excellence!



Sr. Professor (Dr.) Indrasen Singh
Dean (Academic Affairs)

Events



Exploring LiDAR Applications for Construction: A Session by SoCT

The School of Construction Technology (SoCT) hosted an informative session featuring a visiting faculty focused on LiDAR applications in construction. On October 31, 2023, Mr. Venkata Somaraju from Smartech Labs, Hyderabad, shared his expertise with students enrolled in the BMI II course, enlightening them with valuable insights.

Guided by Prof. Rajasekar, the session included a hands-on demo by Mr. Venkata Somaraju on LiDAR scanning, showcasing its role in the automated generation of as-built drawings within the construction industry. The insightful demonstration provided students with practical knowledge and a deeper understanding of LiDAR applications.

To express gratitude for the valuable insights shared, Dr. Sathish Kumar, Dean of SoCT, honored Mr. Venkata Somaraju with a felicitation. The event not only broadened the horizons of students but also strengthened the bond between academia and industry professionals.

SoCT Hosts Visiting Faculty Session on VR-AR Applications for Construction

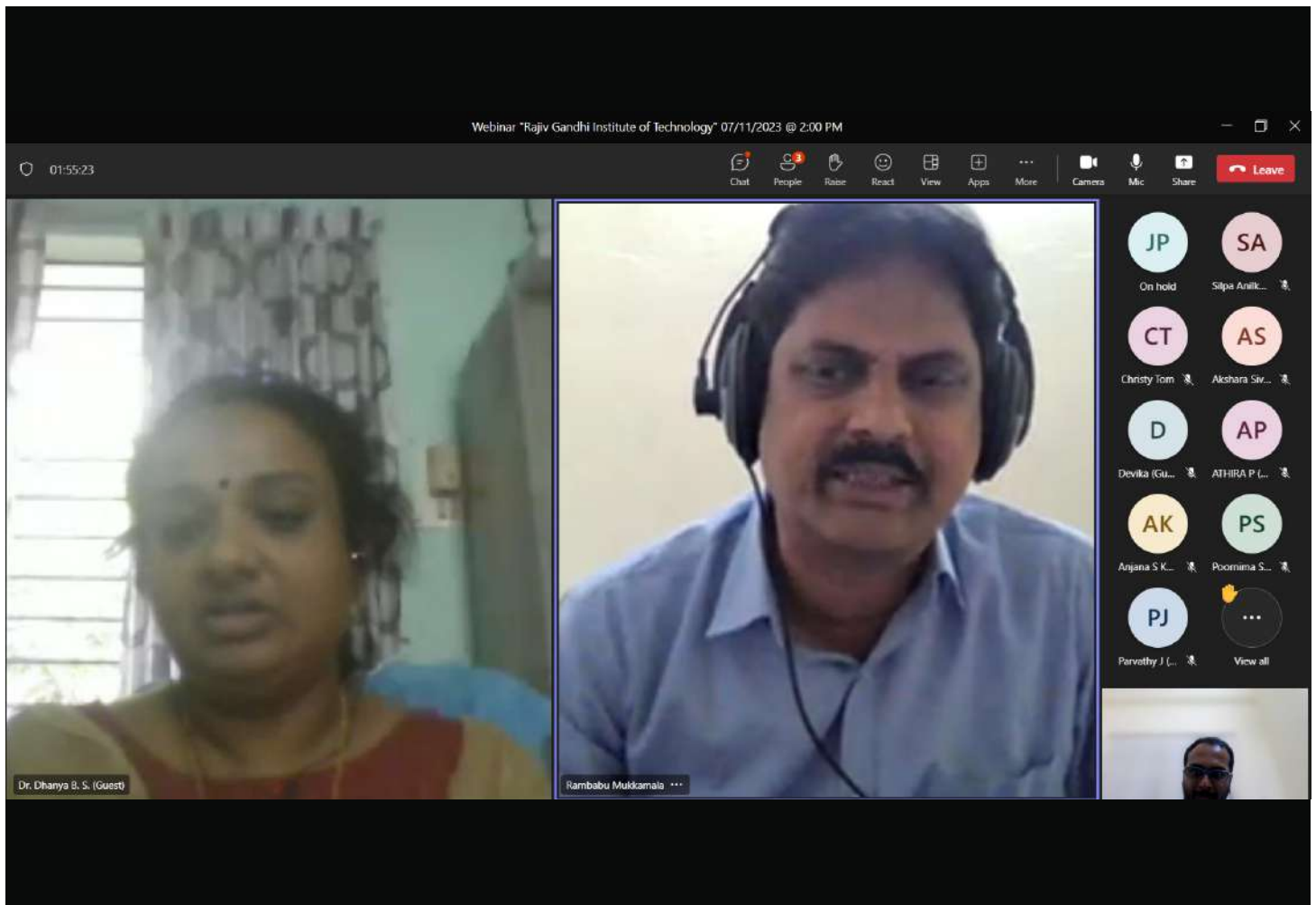
In an endeavor to embrace cutting-edge technology, the School of Construction Technology (SoCT) organised a compelling visiting faculty session focusing on VR-AR applications for construction. On November 7, 2023, Mr. Prasad Sukumaranunni from Beebox Studios, Chennai, brought his expertise to the campus, delivering a session for BMI II course students.

Coordinated by Dr. Venkatesan, the event featured an engaging hands-on demo by Mr. Prasad Sukumaranunni, showcasing the applications of Virtual Reality (VR) and Augmented Reality (AR) in various aspects of construction. Students had the unique opportunity to don VR headsets and utilise the AR capabilities on their phones, immersing themselves in a visual representation of a construction project.

Following this enlightening demonstration, Dr. Sathish Kumar, Dean of SoCT, expressed gratitude by felicitating Mr. Prasad Sukumaranunni. The event not only broadened students' perspectives on the future of construction technology but also strengthened the synergy between academia and industry professionals.



SoCT Hosts Virtual Awareness Session on Recent Advancements and Career Opportunities in the CRIP Sector for Final Year Civil Engineering Students

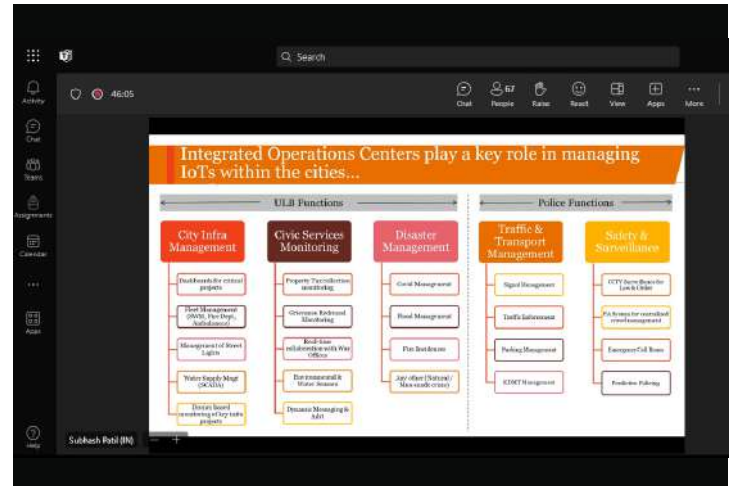


The School of Construction Technology (SoCT) conducted an insightful virtual awareness session for the final year civil engineering students of Rajiv Gandhi Institute of Technology, Kottayam, Kerala. The session focussed on "Recent Advancements and Career Opportunities in the Crip Sector.

Speakers included Dr. Sathish Kumar, Dean of SoCT, Prof. Rambabu M, Head of IT & Admissions, and Dr. Mahesh Balasubramani, Programme Director of ACM. Addressing the eager students, the speakers provided valuable insights into the latest advancements in the CRIP sector and shed light on potential career opportunities.

The session concluded with an engaging question and answer session, allowing students to interact directly with the experts and delve deeper into the subject matter. This initiative not only enhanced the students' awareness of current industry trends but also fostered a platform for meaningful dialogue and knowledge exchange.

Student Club MarkIT Illuminates Smart Cities in Captivating Webinar



On Wednesday, November 8, 2023, Student Club MarkIT took the virtual stage to host an enlightening webinar titled "Smart Cities: Digital Transformation of Cities for a Better Living." The distinguished speaker for the event was Mr. Subhash Patil, Partner - Technology Consulting at PwC, whose expertise added depth to the exploration of smart city evolution.

Mr. Patil's presentation delved into the intricate complexities of smart city development, emphasizing the harmonious integration of technology, sustainability, and community welfare. Through practical implementations and real-world examples, he illustrated the tangible impact of digital innovation on urban landscapes. His insights underscored the critical role of data-driven solutions in addressing the challenges faced by modern cities.

A noteworthy aspect of Mr. Subhash Patil's discourse was his emphasis on citizen engagement, advocating for inclusive and people-centric approaches to shape the future of cities. His session laid a robust foundation for understanding and embracing the transformative potential of smart cities, leaving participants inspired and well-informed.

SoECT Collaborates with CII-Godrej Student Outreach for Expert Talk on Industrial Safety



In a collaborative effort with the CII-Godrej Student Outreach Programme, the School of Energy and Clean Technology (SoECT) organised an insightful expert talk focused on industrial safety for PGP HSEM students. The event, held on Thursday, November 9, 2023, from 4:30 p.m. to 5:30 p.m., featured Mr. Yeshwanth Yrs., Project Safety Manager at Godrej, as the distinguished speaker.

During the session, Mr. Yeshwanth Yrs. shared invaluable insights and expertise on critical aspects of industrial safety. His presentation provided students with a comprehensive understanding of best practices and measures to ensure a secure working environment. This collaborative initiative aimed to enhance awareness and knowledge in the field of industrial safety, contributing to the holistic education of PGP HSEM students.

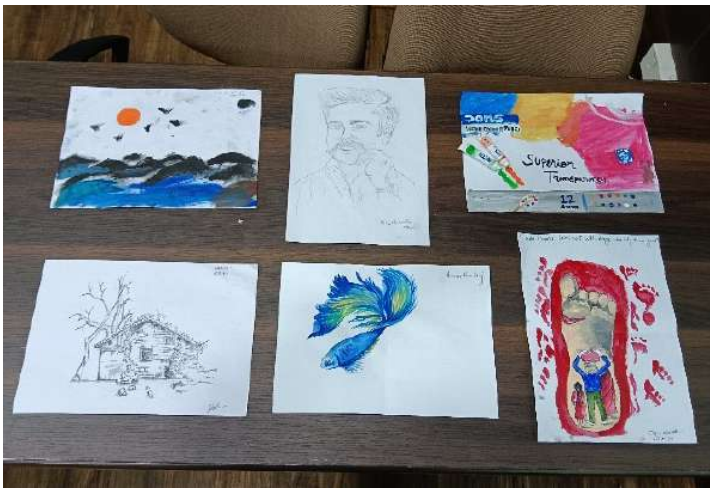
NICMAR Student Council Unveils ALOHA: A Triumph of Unity and Celebration

From November 2 to November 4, 2023, the NICMAR Student Council orchestrated the highly anticipated ALOHA event at the picturesque NICMAR Hyderabad Campus. This three-day extravaganza served as a vibrant confluence, seamlessly bringing together junior and senior batch students through an array of engaging activities.

ALOHA featured a spectrum of events, including technical competitions, cultural showcases, and entertaining games, fostering connections and camaraderie among the student body. The NICMAR Student Council's meticulous planning and execution resulted in an immensely successful event, leaving an indelible mark as a cherished memory for all attendees.

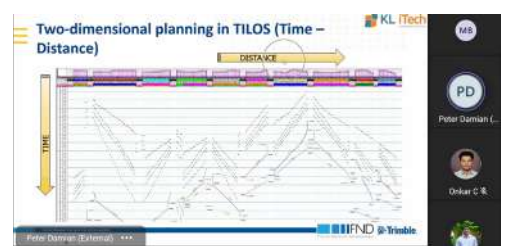
Beyond the entertainment, ALOHA symbolises a profound theme – unity in diversity. Students from diverse cultural backgrounds united to collaboratively plan, execute, and participate in the events, embodying the spirit of togetherness and celebration. The ALOHA event at NICMAR stands as a testament to the power of collective effort and the creation of lasting memories.





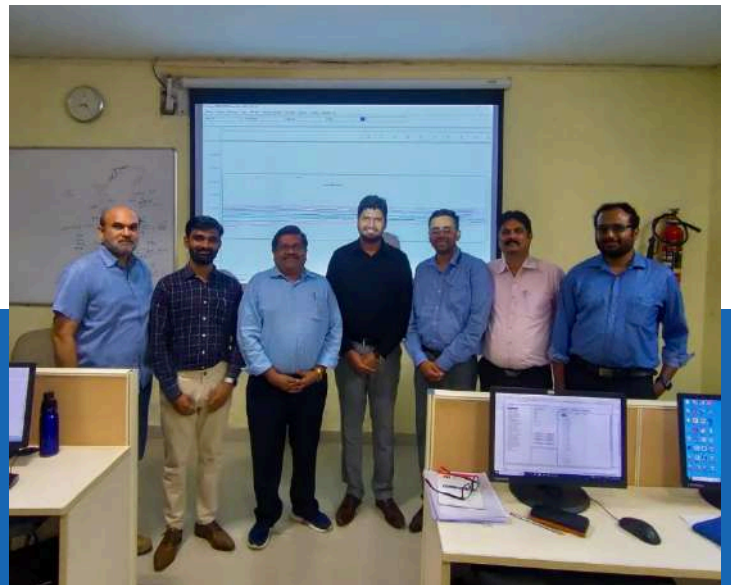
SoCT Conducts Faculty Development Program on Tilos Trimble Software

School of Construction and Technology organised an immersive hands-on programme on Tilos Trimble Software from November 27 to 29, providing enthusiastic faculty members with valuable insights and practical knowledge. The initiative aimed to enhance the faculty's proficiency in Tilos Trimble software, contributing to their professional growth and expertise in construction and technology.



SoCT Hosts Faculty Development Program on Calquan PTM Software

On 5th and 6th December School of Construction and Technology organised a faculty development program on Calquan PTM software. Faculty members participated with enthusiasm, gaining valuable insights and practical knowledge from the program. The initiative aimed to enhance the faculty's proficiency in Calquan PTM software, contributing to their professional development in construction and technology.



NICMAR, Hyderabad Launches CoBEARC: A Hub for Built Environment Applied Research Consultancy

In a significant development, the National Institute of Construction Management and Research (NICMAR), Hyderabad, established the Centre of Built Environment Applied Research Consultancy (CoBEARC). This center is dedicated to undertaking applied research consultancy, focusing on various facets of the Built Environment (B-E) industry.

Objectives of CoBEARC:

- Provide solutions to challenges within the Built Environment industry.
- Offer strategic solutions to organisations in the Built Environment business.
- Provide techno-managerial support for incubators, startups, and entrepreneurs.
- Develop faculty and students in the latest developments in the Built Environment.
- Facilitate faculty and students with live case studies & abundant data.

CoBEARC will collaborate with institute faculty and subject matter experts to address industry problems and provide practical solutions. The center will operate in several domains, including Digital Technologies in Construction, Implementation of Lean & Value Engineering, Construction Quality Management, Dynamic Resource Optimization, Project Risk Management, Training & Development, Cost Control Measures, Construction Health & Safety, and Contract Management, Dispute Prevention, and Resolution.

The founding team of CoBEARC is,

Dean



Dr. Venkatesan Renganaidu

Program Director



Prof. K Ravindranath Chowdary

Mentors



Dr. Anil Kashyap,
Director General NICMAR



Dr. Indrasen Singh,
Dean - Academic Affairs NICMAR
Hyderabad



Dr Poonam Kashyap,
Director Strategic Planning & External
Partnership

Core Members



**Dr. Vimlesh
Prabhu Desai**



Dr. Vikrant Yadav



**Dr. Mahesh
Balasubramani**



**Prof. Saurabh
Jindal**



**Prof. Raja Sekhar
Mamillapalli**

CoBEARC Facilitates Collaborative Initiatives: NICMAR Hyderabad Inks Two Significant MOUs

Under the umbrella of CoBEARC, NICMAR Hyderabad entered into two noteworthy Memorandums of Understanding (MOUs), fostering partnerships aimed at academic and research excellence in the Built Environment sector.

1. M/s. NICMAR Hyderabad and M/s Escuela Ablerta de Desarrollo en Ingenieria y Construction SL (EADIC), Spain:

The MOU is designed to facilitate academic, research, cultural, and personnel exchange between NICMAR Hyderabad and EADIC, Spain. The collaboration will focus on areas such as BIM methodology, digital transformation, contract management, and overall skill upgrade in management. This partnership aims to enrich the learning experience for both institutions through the exchange of knowledge and expertise.

2. M/s. NICMAR Hyderabad and M/s. CalQuan India:

NICMAR Hyderabad partnered with CalQuan India for the application of CalQuan software for Planning, Tracking, and Management of Civil Engineering solutions, specifically for Linear Projects. This collaboration is poised to enhance the technical capabilities of NICMAR faculty and students in the field of civil engineering, providing hands-on experience with cutting-edge software solutions.

NICMAR Hyderabad Hosts Indian Lean Construction Conference (ILCC) 2022: Proceedings Now Published

From December 13 to 16, 2022, NICMAR Hyderabad, in collaboration with the Institute of Lean Construction Excellence (ILCE), organised the Indian Lean Construction Conference (ILCC) 2022. The conference saw the presentation of 44 high-quality papers, and the proceedings have now been published by Springer Nature Singapore as "Lecture Notes in Civil Engineering" in a book titled "Sustainable Lean Construction: A Practical Guide to Applying Lean Principles with the Indian Construction Landscape." The book is edited by Prof. Anil Kashyap, Director General NICMAR, along with Prof. Indrasen Singh, Prof. Venkatesan Renganaidu, Prof. Arun Chandramohan from NICMAR Hyderabad, and Prof. N. Raghavan from IIT Madras.

This comprehensive volume delves into real-world case studies, addressing crucial topics such as lean culture, sustainable technologies, supply chain management, and modern construction techniques. A dedicated section explores effective implementation in the public sector.

For those interested in exploring the proceedings of ILCC 2022, the book titled "Sustainable Lean Construction" serves as a valuable reference. It provides insights into the adoption and implementation cases of lean concepts in Indian construction projects. Covering diverse topics, including lean culture, sustainable technologies, and supply chain management, the book is a valuable resource for researchers and construction professionals interested in Lean Construction. Click here to access the book: <https://link.springer.com/book/10.1007/978-981-99-5455-1>

Kudos for book
publishing!
**'Sustainable
Lean
Construction'**

About the book:

This book goes beyond theory, showcasing real-world adoption and performance of Lean tools across infrastructure and real estate.

Lecture Notes in Civil Engineering

Anil Kashyap · N. Raghavan ·
Indrasen Singh ·
Venkatesan Renganaidu ·
Arun Chandramohan *Editors*

Sustainable Lean Construction

Select Proceedings of ILCC 2022

Faculty Awards

Recognitions / Achievements

On December 9, 2023, Dr. B Ravinder achieved the esteemed status of Fellow Member (FIIQS) at the Indian Institute of Quantity Surveyors. The recognition was conferred during a ceremony held in Dubai, marking a significant milestone in Dr. Ravinder's professional journey.



Prof. Sarbesh Mishra Joins Editorial Board of VIGNAN Journal

Prof. Sarbesh Mishra, Dean at the School of Executive Education, has received an invitation to contribute as one of the Editors on the Editorial Board of VIGNAN: A Peer-reviewed Journal of Sustainable Development, hosted by Research India Foundation (RIF). This appointment underscores Prof. Mishra's expertise in the field and recognizes his valuable insights in the realm of sustainable development.

VIGNAN Journal publishes original research articles, comprehensive review articles, and succinct short communications across diverse domains within sustainable development.



Faculty Publications

1 **Rajaprasad SVS & Rambabu Mukkamala** (Dec, 2023), A CNN Bidirectional LSTM framework for predicting monsoon rainfall in India, Acta Hydrologica Slovaca.
— <https://doi.org/10.31577/ahs-2023-0024.02.0024> (SCOPUS)

- 2 Prashanth Kumar Sreram** & Albert Thomas (2024). A Case Study on the Use of Simulation for Improving Equipment Utilisation and Productivity. Sustainable Lean Construction. ILCC 2022. Lecture Notes in Civil Engineering, vol 383. Springer, Singapore.
https://doi.org/10.1007/978-981-99-5455-1_20. (SCOPUS)

- 3 R. Padmapriya, J. S. Sudarsan, N. Sunmathi, & Srihari Vedartham.** (2024). Feasibility Assessment on Electronic Waste (EW) as a Partial Reduction for Coarse Aggregate (CA) in Concrete. Sustainable Innovations in Construction Management. ICC IDEA 2023. Lecture Notes in Civil Engineering, vol 388, pp 591-597, Springer, Singapore.
https://doi.org/10.1007/978-981-99-6233-4_53 (SCOPUS)

- 4 Purvaa Hegde, V. V. K. Vishnu Nandan, G. Rahulkrishna, V. Raneesh Kumar & Prashanth Kumar Sreram** (2024). Case Study on Value Stream Mapping for Precast Hollow Core Slab. Sustainable Lean Construction. ILCC 2022. Lecture Notes in Civil Engineering, vol 383. Springer, Singapore.
https://doi.org/10.1007/978-981-99-5455-1_3. (SCOPUS)

- 5 Yash Chavan, Samrudhi Barewar, Vaibhav Gund, Manas Sahu & K. V. Prasad** (2024). A Study on BIM Implementation in a Residential Construction Project in India. Sustainable Lean Construction. ILCC 2022. Lecture Notes in Civil Engineering, vol 383. Springer, Singapore.
https://doi.org/10.1007/978-981-99-5455-1_43. (SCOPUS)

- 6 A. Poojesh, J. S. Pradeepkumar, S. Prashanth, M. Santhoshkumar, Adith V. Arun & K. V. Prasad** (2024). Prefabrication Methods for Lean Delivery of Construction Projects. Sustainable Lean Construction. ILCC 2022. Lecture Notes in Civil Engineering, vol 383. Springer, Singapore.
https://doi.org/10.1007/978-981-99-5455-1_42. (SCOPUS)

- 7 V. Pramadha, K. V. Prasad & Venkatesan Renganaidu** (2024). A Study on the Behavioural Aspects Contributing to Lean Transformation in Indian Construction Industry. Sustainable Lean Construction. ILCC 2022. Lecture Notes in Civil Engineering, vol 383. Springer, Singapore.
https://doi.org/10.1007/978-981-99-5455-1_41.(SCOPUS)

- 8 Ajay K. Sinha & P. Muralidhar** (2024). Application of Lean Technique in Warehouse Operations for Waste Reduction. Sustainable Lean Construction. ILCC 2022. Lecture Notes in Civil Engineering, vol 383. Springer, Singapore. https://doi.org/10.1007/978-981-99-5455-1_8. (SCOPUS)

- 9 Srihari Vedartham, J. S. Sudarsan, Vijay Narayan, K. Prasanna & S. Mohanakrishna** (2024). Cost–Benefit Analysis of Adoption of Green Materials in Conventional Building to Improve Green Rating. Sustainable Innovations in Construction Management. ICC IDEA 2023. Lecture Notes in Civil Engineering, vol 388. Springer, Singapore.
https://doi.org/10.1007/978-981-99-6233-4_29. (SCOPUS)

Papers Presented

in Scopus-indexed conferences or select reputed conferences

1 Dr. Mahesh Balasubramani presented paper titled 'A hybrid organising perspective on the governance of megaprojects' at the first International Conference on Management Research 2023 held on 16-18 November at the Department of Management Studies, IIT Madras.

2 Dr. Vimlesh Prabhu Desai presented a paper entitled "Quantity Surveyors: Getting Ready for Construction 4.0" at the International Joint Conference - '4th Asian Conference on Ergonomics and Design, Humanizing Work and Work Environment and BRICSplus HFE Conference 2023' held during 14-16th Dec'23 and organised by Indian Institute of Management (IIM) Mumbai.

3 Prof. Prashanth Kumar Sreram presented a paper entitled "A Value Stream Mapping-Based Discrete Event Simulation Template for Lean Off-Site Construction Activities" at the 2023 Winter Simulation Conference held from 10-13 December 2023 at Marriot River Center, San Antonio, Texas, USA.

Articles in Magazines / Newspapers

1 An article titled "Scrum application in construction" written by Dr. B Ravinder got featured in IIQS silver jubilee magazine, INSPIRE 2023.

SCRUM APPLICATION IN CONSTRUCTION

Project management is vitally important in building projects at all stages, from design through onsite construction. This is due to two key factors: the project's high level of complexity and the magnitude of project uncertainty. One of the key decisions you'll make is choosing which project management methodology to follow. From Waterfall to Agile to Scrum, there are a variety of different project management frameworks.

"Waterfall" project management, also known as classic project management, has become the industry's most popular management strategy and practice. The workflow is designed to flow downhill towards completion, much like a waterfall. This method establishes distinct milestones between each activity. This technique offers architects and engineers a systematic way to manage projects in chronological order. The waterfall structure also has the apparent advantage of organising individual team members to focus on certain elements of the project. This workflow effectively prevents overlooking minor things, but it fails to manage the quality of outputs when unpredictable changes occur. The construction timetable will be pushed back when unanticipated modification orders are introduced into the project. Unfortunately, unanticipated occurrences and modifications cannot be totally avoided since stakeholder and user group requirements and demands are always changing, particularly for larger-scale, highly complex building projects. Non-consideration of client

feedback in projects may create a gap and cause a schism between the project team and the customer, which may have an adverse effect on overall project performance.

The concept of Agile Construction has been applied to total construction project delivery as the construction industry has matured. The capacity to produce and adapt to change is referred to as agility. It is a method of coping with and eventually succeeding in an unpredictable and tumultuous environment. User stories, daily meetings, personas, teams, incremental development, iterative development, and milestone retrospectives are key agile concepts. Finally, Agile is a mentality influenced by the ideals and principles of the Agile Manifesto. These beliefs and concepts guide how to produce and respond to change, as well as how to deal with uncertainty. The agile method is superior to the traditional one because it avoids resource-intensive, detailed planning from the outset of the project. Agile is a development process that is iterative and incremental in nature. Scrum is an agile approach to implementation in which incremental changes are provided on time. Scrum is a product development framework that allows diverse methods and techniques to be applied to complicated projects.



DR. B. RAVINDER
Program Director,
PGD QSCM

Dr. B. Ravinder earned Ph.D (Management) from KL university, Master of Philosophy (HR) from Sri Venkateswara University; Master's degree in Business Administration (Technology Management) Osmania University, M.Tech (Hydraulics and Water Resources Engineering) JNTU; PG Diploma in Quantity Surveying and Valuation from Annamalai University, B.E(Civil) from Osmania University. Dr. B. Ravinder gained a total 30 years of experience in which he has spent 21 year in academics in India as well as across the countries, balance period he has spent in project construction/s in India as well as across the countries. Prior to joining NICMAR, Dr. B. Ravinder served National Academy of Construction (NAC), Hyderabad for skills imparting to youngsters as well to untrained experienced technicians in the capacity of Assistant Director (Trg). Dr. B. Ravinder is having a credit of paper publications at national as well as at international level. Dr. B. Ravinder has published a book during this current academic year. Dr. B. Ravinder associated with PGP QSCM since his joining i.e. August 2007 onwards. Dr. B. Ravinder has discharged his duties as Programme co-ordinator, Programme Head, Placement Coordinator, Head (AS & Maintenance), Chairman(Building committee) and currently discharging duties as Programme Director - QSCM as well as Head (M &R).

Article references on Page 75



The Scrum framework is comprised of Scrum Roles, Scrum Artifacts, and Scrum Events.

Scrum Roles: The Product Owner, Development Team, and Scrum Master comprise the Scrum Team. The group is self-organized and multi-functional. All project decisions are made within this entity. The management's main job is to assist and support the Scrum Team in their efforts to attain the Scrum Team's goal. The Product Owner is the client's single representative and is responsible for maximising the project's value. He is responsible for developing and maintaining the Product Backlog Items (PBI) as well as prioritising the PBI. In addition, the Product Owner considers the interests of other stakeholders. The Development Team is made up of people who do the real job (for example, design and engineering). This team's members are all equal (there is no project manager), and while everyone has their own area of speciality, the team as a whole is held accountable. The Scrum Master makes certain that everyone on the Scrum Team understands what Scrum is. The Scrum Master merely enforces the Scrum framework and any adjustments made in response to new information. Furthermore, the Scrum Master organises all Scrum Events and informs persons outside the Scrum Team about how they may (or cannot) engage with the Scrum Team.

Scrum Artifacts: Scrum artifacts are items with a specific description in the Scrum framework that is discussed in the following: The Product Backlog is a collection of Items that have been prioritised (for example, developing floor layouts, establishing fire concepts, and designing load-bearing parts). Each Item is divided into tasks and provides a brief and accurate explanation of what the development team must do. Only the product owner may change this list in reaction to new project information. The product backlog is made up of items picked by the product owner and development team. Based on this choice, a list (Sprint Backlog) is constructed that contains the information that the development team feels can be completed during a sprint. When an item from the sprint backlog is marked as completed, it is removed from the sprint backlog and added to the increment. Scrum suggests using Planning Poker to predict how many items from the product backlog may be worked off during a Sprint. Each member of the development team receives numerous cards with the numbers zero, one, two, three, five, eight, thirteen, and so on (Fibonacci sequence). Everyone in the development team estimates the amount of work required for a specific item so that it may be deemed completed by the conclusion of the next sprint. If the returned card has numbers that are more than three numbers apart in the Fibonacci sequence, the players with the highest and lowest numbers must explain why they chose their numbers, and the game is replayed until all of the cards are

within a three-number range in the series. The average is then used to estimate the effort for a specific item. Throughout Scrum, timetables or the quantity of work are calculated using points rather than hours.

Scrum Events: Scrum event covers the many events in which the scrum team might adhere to the scrum key factors: transparency, examination, and adaptation. A kick-off meeting is held, as with any other project, based on the client's requests, and the product owner builds the product backlog to match these demands. For a month's sprint, the sprint planning can last up to eight hours (smaller in relation to a shorter sprint). Using planning poker, the development team estimates the amount of work for the most essential items on the product backlog during this sprint planning. The development team selects the items they believe can be completed in the sprint, beginning with the most important; this list is known as the sprint backlog. The Sprint is a specified timeframe in which the Development Team tries to complete each Item. During the Sprint, no modifications to the Items are permitted unless the value or scope of the Items is raised with the Product Owner's approval. Items that cannot be considered completed by the conclusion of the Sprint are returned to the Product Backlog and will be re-evaluated in the following Sprint Planning. The Increment is evaluated by the scrum team during the sprint review after each sprint, and if necessary, changes are made to the product backlog based on new information.

Scrum has the potential to become an industry project management standard that can be readily extended to the whole industry rather than being employed experimentally in a small number of building projects. The conclusion of this study is as follows: The waterfall model is a linear sequential life cycle model, whereas the Agile model is a continuous development iteration model, and scrum is a framework of agile methodology. Agile is an incremental approach, whereas waterfall is a sequential design process. Agile allows for modifications in project development requirements, whereas Waterfall does not allow for changes once project development begins. Agile leads the team, whereas Scrum's team is a self-organized, cross-functional team.

The Agile model is highly suitable for medium- or large-scale projects, whereas scrum is used in projects where requirements rapidly change. Agile is flexible, and scrum is rigid in comparison to Agile. Agile involves face-to-face communication and collaboration between the members of various cross-functional teams. In daily stand-up meetings, teamwork is achieved with a fixed role assigned to team members, scrum master, and product owner. A daily sprint meeting is organized to review feedback and decide the future progress of the project.

Faculty External Engagement

1 Dr. Mahesh Balasubramani was invited to represent NICMAR Hyderabad at CII - Tamil Nadu Infrastructure Summit 'Building Future Ready Infrastructure for a Trillion-Dollar Economy by 2030' on November 17 2023 at Hotel Taj Wellington Mews, Chennai.

2 Dr. Mahesh Balasubramani was invited to be the 'External Guide' for M.Tech Structural Engineering and Construction Management students for the academic year 2023-24 at Government College of Engineering - Rajiv Gandhi Institute of Technology Kottayam, Kerala

3 Dr. Mahesh Balasubramani was invited to be 'Resource Person' for AICTE Training and Learning (ATAL) sponsored Faculty Development Programme (FDP) titled "One-Week Faculty Development Programme on Modern Construction Materials and Technologies" from December 11 to December 16, 2023, Guru Nanak Institutions Technical Campus (Autonomous), Hyderabad. Dr. Mahesh presented a session on Digital integration about building information modelling, construction software and other digital tools.

4 Prof. Onkar K. Chothe attended EXCON 2023 - a Construction equipment exhibition, at Bengaluru. Excon is South Asia's largest event for construction equipment and machinery, attracting more than 1200 exhibitors across the globe with 300,000 sq. mtrs of the display area. The event is deemed as the "Festival for the Construction Industry" wherein the entire industry congregates once every two years. Giving a competitive edge to the Construction Equipment Industry, this year, the Confederation of Indian Industry (CII) organised Excon 2023 from 12th to 16th December 2023 at BIEC, Bengaluru, Karnataka, India.





5 Dr Indrasen Singh and Dr Srihari Vedartham were invited by the Department of Civil Engineering, ANURAG University, to deliver a talk on the Scope of Engineering Graduates in the Techno-Management Sector for UG final year engineering students on 18 December'23. More than 300 students were in attendance. Dr Madhusudan Reddy, Head of the Civil Engineering Department, and other faculty members from the university were also present.



Management Development Programmes/Company Based Programme

1 The SOExE, NICMAR, Hyderabad conducted a three-day open house MDP on Project Estimation & Cost Control (PECC) during the 9th - 11th of Nov'23. The programme imparted training on various topics such as managing project risks, cash flow & working capital management, earned value analysis, cost control, and CAPEX decisions. A total of 10 participants attended the programme.



2 The SOExE, NICMAR, Hyderabad conducted a two-day workshop - "Project Management with BIM & MSP" for the students of Gandhi Institute of Excellent Technocrats (GIET), Gangapatana, Bhubaneswar on 16-17 Nov'23. The workshop was conducted as part of NICMAR's outreach initiatives. A team of three faculty delivered the sessions during the workshop. Dr Mahesh Balasubramani delivered sessions on BIM, Prof K V Prasad delivered sessions on Planning & Microsoft Project and Dr Sarbesh Mishra delivered sessions on Career Opportunities. The workshop was attended by 102 Civil & Mechanical Engineering students and 10 faculty members.

Admissions

NICMAR, Hyderabad - ADMISSIONS OPEN 2024



Applications are invited from dynamic and enthusiastic aspirants:

One Year Post Graduate Programme in Real Estate Development and Management (PGP REDM)

Two Year Post Graduate Programme in Advanced Construction Management (PGP ACM)

Two Year Post Graduate Programme in Advanced Project Management (PGP APM).

One Year Post Graduate Programme in Logistic in Supply Chain Management (PGP LSCM)

One Year Post Graduate Programme in Quantity Surveying and Contract Management (PGP QSCM)

One Year Post Graduate Programme in Health, Safety and Environment Management (PGP HSEM)

Last Date for Submission of Application: Wednesday, 31st January, 2024

ADMISSION SCHEDULE

Particulars	Details
PG-NCAT and GD & PI for PG Programmes	12th February 2024 to 18th February, 2024 (Monday to Sunday)
Date of Declaration of Admissions Results	21st February 2024 (Wednesday)
Last date for Payment of Tuition Fees (1st Instalment)	20th March, 2024 (Wednesday)
Date of Commencement of Programmes for 2024 batch	15th July, 2024 (Monday)
Programmes	Eligibility
Two-Year PGP in Advanced Construction Management	Bachelor's degree in Engineering / Architecture / Planning with minimum 50% aggregate marks from a recognised Institution / University.
Two-Year PGP in Advanced Project Management	Bachelor's degree in any discipline with minimum 50% aggregate marks from a recognised Institution / University.
One-Year PGP in Quantity Surveying and Contract Management	Bachelor's degree in Engineering / Architecture / Planning with minimum 50% aggregate marks from a recognised Institution / University.
One-Year PGP in Health, Safety and Environment Management	Bachelor's degree in Engineering with minimum 50% aggregate marks from a recognised Institution / University.
One-Year PGP in Logistics and Supply Chain Management	Bachelor's degree in Information Technology / Computer Science / Architecture / Planning / Management / Economics / Mathematics / Statistics / Agriculture / Engineering with minimum 50% aggregate marks from a recognised Institution /University.
One-Year PGP in Real Estate Development and Management	Bachelor's degree in Engineering / Architecture / Planning / Commerce / Finance / Banking / Management / Economics / Mathematics / Statistics with minimum 50% aggregate marks from a recognised Institution/ University.
<i>Note: Final-year eligible Graduating students can also apply.</i>	

Important Note: Admission process will be conducted online and the detailed Information will be shared with the applicants.

PG Programmes: Scores of the aspirants appearing for CUET PG / TS-CET / AP-CET/CAT / MAT / XAT / NMAT / ATMA will be considered as an alternative for PG-NCAT (Written Test) for PGP .

In Loving Memory of Nikitha Karnam

It is with profound sadness that we announce the untimely passing of Nikitha Karnam, a bright and promising student from the ACM batch 37 (2023-2025), who departed from this world on the 2nd of December 2023.

Nikitha was more than a student; she was a beacon of inspiration to her peers and faculty alike. Her passion for learning, coupled with her unwavering determination, made her stand out among her peers. Nikitha's intellectual curiosity and kindness endeared her to everyone who had the privilege of knowing her.

Born with a thirst for knowledge, Nikitha's time at ACM was marked by academic excellence and a commitment to her studies. She approached challenges with resilience and creativity, leaving an indelible mark on the academic community.

Outside the classroom, Nikitha was known for her warm spirit and willingness to lend a helping hand. Her infectious laughter and positive energy lit up the room, making her a cherished friend to many. Nikitha's ability to bring people together and create a sense of community was a testament to her compassionate nature.

As we mourn the loss of Nikitha, let us remember the joy she brought into our lives and the impact she made on those around her. In her memory, let us honor her legacy by embodying the same passion for learning, kindness, and community that she exemplified.

Our thoughts and prayers are with Nikitha's family and friends during this difficult time. May her soul find eternal peace, and may her memory continue to inspire us all.

Rest in peace, dear Nikitha Karnam. You will be deeply missed, but your spirit will forever live on in the hearts of those who knew and loved you.



Nikitha Karnam,
a student from ACM batch
37 (2023-2025)