



A Quarterly Publication of
Department of Civil Engineering

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Latest Trends in Technology, 2021

From Editor's Desk

The Department of Civil Engineering was started in the academic year 2009-10 with an aim to promoting high-quality education in the field of Civil Engineering. The department has well-equipped laboratory facilities and highly qualified faculty members having rich experience in teaching and industrial background. The department is aiming to transform itself into a centre of excellence both in academic and research. The department provides the right kind of environment for the students to groom themselves for innovative and challenging near future. It is also actively engaged in cutting edge research, trying to find simple and cost-effective solutions for the construction industry and society as a whole. The department is aiming to transform itself into a centre of excellence, both in academics as well as research. The department takes the best possible efforts to provide its students with the right kind of ambience for their holistic development into future pillars of the nation and society.

The following are the top trends in the construction and civil engineering technology to watch in 2021 and beyond.

Building Information Modeling (BIM)

. Advanced Building Materials Will Shape the Civil Engineering Designs of the Future

Drones Or Unmanned Aerial Vehicles (UAVs)
Virtual Reality.
Augmented Reality.
3D Printing.
Artificial Intelligence.
Robotics.



Dear Readers,

As the editor of Nirmaan, a Civil engineering department quarterly newsletter, I would like to start by conveying my regard to all the team members of editorial board and faculties who supported me for making this happen. This special edition is reflection of Departmental activities– the achievements, the spirit of all the students and teachers, fantasies and goals, experiences and everything that is a part of the B.Tech in Civil Engineering course. It includes curricular, co-curricular or extra– curricular activities during this semester due to Covid-19 Pandemic.

The Department of Civil Engineering, established in 2009 having an intake of 150 seats, offers B.Tech course. The department emphasizes a deep understanding of fundamental principles and knowledge of Theory of Structures , Geotechnical Engineering , Transportation Engineering, Water Resources Engineering and Environmental Engineering .,

I congratulate the entire civil engineering department faculties, staff and students for their contribution to department activities and look forward for future developments. Heartiest congratulations to the Editorial Board .

Tabassum Abbasi

"QUOTE FOR THE QUARTERLY"

Nature teaches more than she preaches. There are no sermons in stones. It is easier to get a spark out of a stone than a moral.

John Burroughs

Faculty Corner

It took less than an hour to make the ato

Student Corner



A Research Paper published jointly by Tabassum Kirmani and Sanjeeva Narain Singh had the opportunity to be participated in an International Conference Indo-Iranian Workshop during October 2020. The title of the paper was :

“Are Ancient Water Conservation Methods better than Rainwater Harvesting System adopted today ?”

The paper was presented in an International Conference and was highly praised in the International Conference organized on water conservation worldwide .

The paper was published in February 2021

Our department won a grant of 100,000 INR from AICTE under SPICE scheme in the year 2021. The credit goes to Sanjeeva Narain Singh for the same .



Our student “Vishal Kumar” from the CE 4th year qualified the prestigious GATE exam held in 2021.

INDUSTRIAL VISIT 2021



New Innovation In Civil Engineering 2021 | New Technology In Civil Engineering Construction

Innovation in construction plays an important role in making **building construction faster and sustainable**. **New Innovation In the Civil Engineering** industry emerges continuously with time to increase the efficiency, quality, and sustainability of a construction project.

New emerging new technology in civil construction is influencing the construction industry like never before. It may be considered from cloud-based collaboration and **artificial intelligence**-based robots, super-materials, wearable tech, pollution-eating buildings, all contributing to improving the efficiency of the construction industry. So, here are some **emerging trends in construction technology and civil engineering technology**



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In an endeavor to provide overall development and breaking the monotony of traditional teaching, the Department of Commerce organized a quiz competition “Quizzers 2021” for the students of first year. 32 students of Civil Department participated in the Business Quiz and around 70 students were present to encourage and cheer for their counterparts. The quiz consisted of two qualifier rounds out of which 4 teams reached the finals. Out of the 8 teams of Challengers, Mavericks, Quiz Cameos, Troubleshooters, Guessing guns, Bulls, Game Changers and Puzzlers, the Game



Upcoming Events

- WORKSHOP on
Prototype/Startups
- WEBINAR SERIES on Skill
Development in Civil
Engineering
- GUEST LECTURE
- Student Development Program
on Different Phases of
Prototype Development

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