

# NATIONAL SEMINAR ON EMERGING AREAS OF TECHNOLOGY IN CIVIL ENGINEERING

**Date:** 25/10/2021

**Organizing Department:** Department of Civil Engineering

**Mode:** Offline

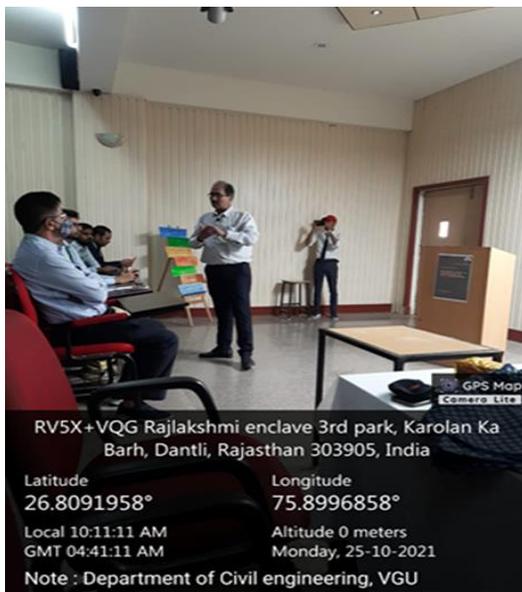
**No of Participants :** 140

**Duration:** One day

**Resource Person:** Dr. Surendra Roy - Professor - PSIT Kanpur, Dr. Himanshu Chawla - Professor Thapar University, Dr. Kedar Sharma - Professor - JKLU Jaipur, Dr. Jitendra Yadav Assistant Professor, NIT Hamirpur

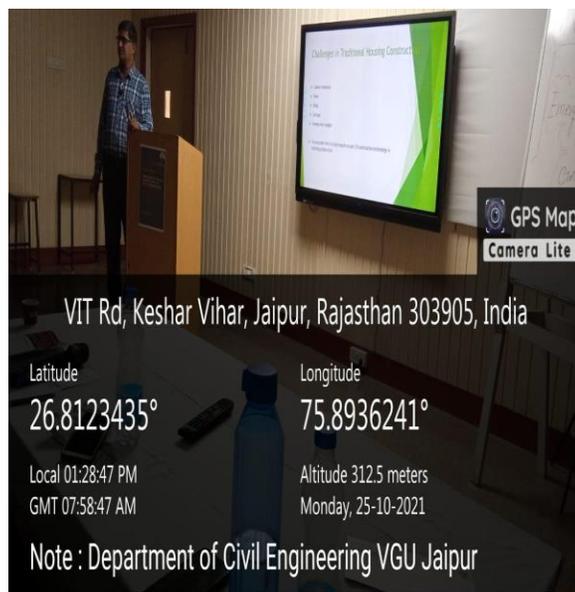
**Event Coordinator:** Mr. Om Prakash Singh

**Event Venue:** Seminar Hall, Technology block, VGU



RVSX+VQG Rajlakshmi enclave 3rd park, Karolan Ka Barh, Dantli, Rajasthan 303905, India  
Latitude 26.8091958° Longitude 75.8996858°  
Local 10:11:11 AM Altitude 0 meters  
GMT 04:41:11 AM Monday, 25-10-2021  
Note : Department of Civil engineering, VGU

Speaker Dr. A D Vyas



VIT Rd, Keshar Vihar, Jaipur, Rajasthan 303905, India  
Latitude 26.8123435° Longitude 75.8936241°  
Local 01:28:47 PM Altitude 312.5 meters  
GMT 07:58:47 AM Monday, 25-10-2021  
Note : Department of Civil Engineering VGU Jaipur

Speaker Dr. Kedar Sharma

## Brief Report

A one-day National Seminar on “Emerging Areas of Technology in Civil Engineering” was organized by the Department of Civil Engineering, VGU. The modern technology of civil engineering challenges issues faced by infrastructure developers. The issues such as skill, water scarcity, quality of material, quality of research, and financing are essentially related to the modern technology of civil engineering. On the other hand, main problems such as inadequate infrastructural facilities, less knowledge of software, outdated methodology, declining research standards, low level of motivation among scholars, ethnic imbalances, etc. persist in the field of civil engineering. Consequently, an effort was made in this seminar to attain a reasonable output of the problems and challenges for modern technology for sustainable development of infrastructure that can be further noted to enhance entrepreneurial capabilities of the students.

The sessions started with the welcome address by Mr. Om Prakash Singh, Assistant Professor, Department of Civil Engineering, VGU, who welcomed all the dignitaries, presenters and all present in the program with a brief introduction of the Centre and the keynote speaker Dr. Anil Dutt Vyas.

The inaugural speech was delivered by Prof. Dr. Anil Dutt Vyas. He mentioned that the present education scenario needs to focus on enhancing entrepreneurial capabilities of the students. He also spoke about the scenario of the current infrastructure projects and some important figures related to the implementation of various digital tools and different government policies in the field of sustainable infrastructure development. He also explained the software that is used in the sector. Following this, the concept note of the national seminar was presented by Dr. Ravi Kant Pareek. Prof. Surendra Roy delivered the keynote speech pointing out that the “techniques for writing a scientific research paper” related to civil engineering and finally how these modern technology tools are utilized.

In this session, speaker Dr. Jitendra Singh Yadav, discussed “Pressure Settlement Behaviour of Square Footing Rested on Encased”. The speaker focused on linking modern tools in civil engineering from the grassroots level. The speaker focused on delinking modern technology from the grassroots level. Dr. Himanshu Chawla delivered his talk on “High-Performance Composites for Civil Engineering Applications”.

The session conducted post-lunch started with a talk by Dr. Kedar Sharma on “3-D printing in Building Construction”. These speeches were followed by questions and discussions between the participants and speakers.

The seminar consisted of both practical team building and project design sessions and informative sessions delivered by experts with a focus on entrepreneurship and entrepreneurial learning within the youth in Technical Programme like 3D printing etc.

The inaugural programme ended with a vote of thanks by Mr. Mahendra Kumar, Assistant Professor, Civil Engineering Department VGU.