

"A Walk Through: GIS and Remote Sensing"

## **Faculty of Engineering & Technology**

## **Department of Civil Engineering**

"A Walk Through: GIS and Remote Sensing"

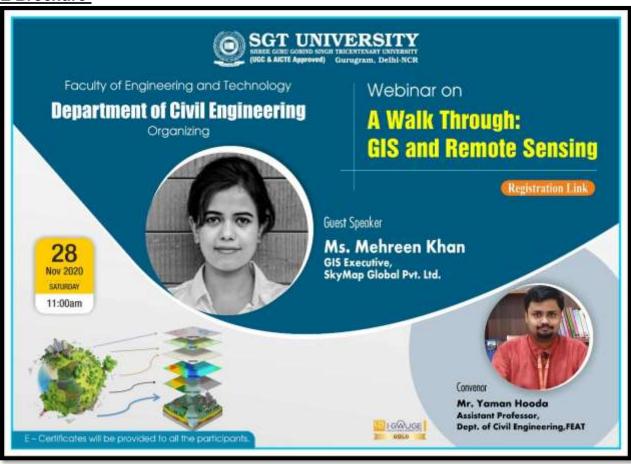
Type of event:Webinar

Date:28/11/2020

Time: 11:00 A.M. to 12: 30 PM

**Venue: Google Meet, Online mode** 

#### E Brochure-



#### Brief Profile of Speaker:

Ms. Mehreen Khan, currently working with SkyMap Global as a GIS Executive in developing machine learning solutions for product development. Received her B. Tech degree (Civil Engineering) in 2015 M.Tech degree (Geomatics Program) in 2020 from CEPT University, Ahmedabad, India.

She formerly worked with Sensegrass Inc as a GIS Analyst and active collaborator on Omdena (Non-Profit Organisation) as Machine learning Engineer. She has completed dissertation with Enercomp Solutions Pvt ltd in R&D department on the topic "Automated Detection and Recognition of Highway Road Marking with Computer Vision and Deep Learning."

Organizer: Mr. Yaman Hooda, Assistant Professor, Department of Civil Engineering, FEAT

#### Report of the Webinar/ Event / FDP Program:

<u>a) Introduction:</u> The sub – discipline of "Geoinformatics" is totally rely on the application of GIS and Remote Sensing in the field of Surveying and Levelling.

**b)** Objective of the webinar The main objective behind this webinar is to give an insight to the emerging discipline of GIS and Remote Sensing in the disciplines of Civil Engineering such as Structural Engineering, Transportation Engineering, Environmental Engineering, Water Resource Engineering and Geotechnical Engineering.

#### c) Brief content of lecture-

The Department of Civil Engineering organized a webinar on "A Walk Through – GIS and Remote Sensing" on November 28, 2020 from 11:00 AM to 12:30PM. The theme of the webinar was focused on emerging growth of GIS and Remote Sensing in the application areas of Civil Engineering. The webinar commenced with the basic introduction and fundamental concepts of GIS and Remote Sensing. As the webinar proceeds, the speaker throws a light on the in – depth understanding of GIS and Remote Sensing, how the data is taken, how the data is presentable and how can we read the data. Then, the discussion on the various software platform which are used to work on GIS and Remote Sensing such as

QGIS, ArcGIS, Google Earth Pro and many more. The various application of GIS and Remote Sensing is discussed in the following areas:

- Urban Planning
- Disaster and Hazard Planning
- Location Intelligence
- Agriculture Farming Monitoring
- 3D Data Modelling

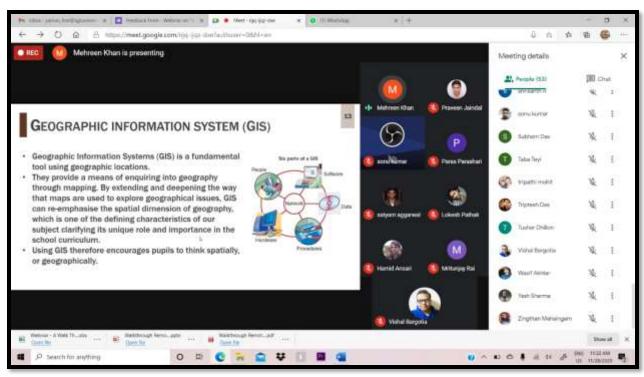
After the speaker ended his presentation, the Q and A Session was conducted for 30 minutes and meanwhile, a Feedback Form is also filled by the participants.

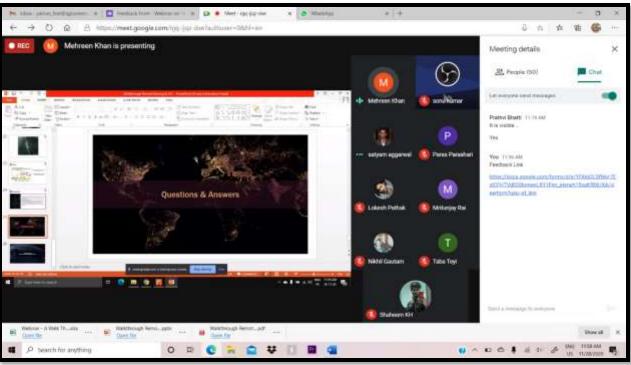
**Learning Outcome**: The webinar was able to make students and faculty members understand the need and essential of GIS and Remote Sensing in Civil Engineering in its various sub—disciplines.

### **Shortcomings:**

1. Less audience

#### d) Screenshots of Webinar





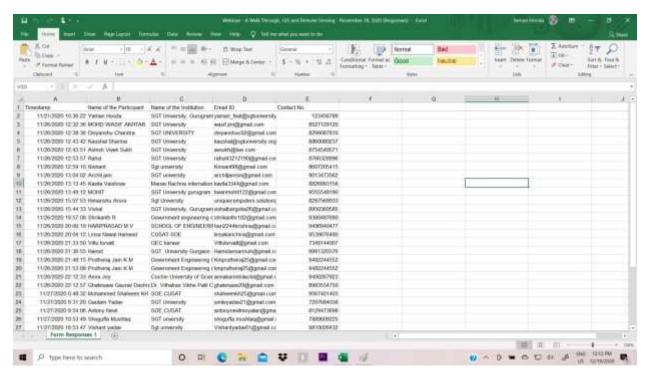
#### **List of participants**

Above 60 Students and Faculty Members from Department of Civil Engineering, SGT University, other Government and Private Institutions from India.

- 1. ROHIN VENGATESH
- 2. KOSHISH
- 3. NITIN SINGH
- 4. SAGAR DABAS
- 5. SAKET KUMAR
- 6. PRIYANSHU
- 7. MEHAK GAUR
- 8. NIKHIL SHARMA
- 9. ATUL
- 10.NITIN
- 11.ADITYA JAIN
- 12.SAKSHI KADIAN
- 13.BHAVIK DHAMIJA
- 14.ALOK KESHRI
- 15.HARSH KASHYAP
- **16.SAKSHI MITTAL**
- **17.ANKIT PARASHAR**
- **18.SEENU NIGANIA**
- 19.SANYAM SEHRAWAT
- 20.AKANSHA
- 21.MANMEET
- 22.ABHISHEK
- 23.ANKIT JOSHI
- 24.DHEERAJ SHARMA
- 25.MOHIT KUMAR
- 26.DEEPANSHU
- **27.AKSHAY DAHIYA**
- 28.ARYAN DAGAR
- 29.SRISHTI CHOUDHARY
- **30.ANKIT CHHIKARA**
- 31.DEEPANSHU

- 32.VISHAL GULERIA
- 33.ANSHDEEP SINGH
- 34.ANKUSH DAHIYA
- 35.SUNIDHI BADWAL
- **36.NITIN KUMAR**
- 37.DIPESH
- 38.VICKY KUMAR
- 39.ABDUL REHMAN
- 40.CHIRAG
- 41.RAHUL SHARAN
- **42.SANUWAR MALIK**
- **43.ARJUN TOMAR**
- 44.ROHIT
- 45.YUGAL KAUSHIK
- 46.LOKESH
- 47.DEEPANSHU KAUSHIK
- 48.PRIKSHIT
- 49.ASHISH PATHAK
- 50.ROHAN
- 51.PAWAN
- 52.SAMKIT
- 53.MOHIT YADAV
- **54.KRISHAN BANSAL**
- 55.HARSH CHAURASIA
- 56.SHIVSAKAND
- **57.TANISHK SHARMA**
- 58.SHASHANK
- 59.HIMANSHU KUMAR
- **60.ANURAG KUMAR**
- 61.RITIKA
- **62.MOHIT PAHAL**
- 63.DEEKSHA SINGH
- 64.KRISHNA
- 65.FAIYAZ ANSARI
- 66.PAWAN KUMAR





Copy of E certificate for participants



# **Certificate of Participation**

This is to certify that

Mr./Ms./Dr. Divyanshu Chandra

has participated in Webinar on "A Walk Through: GIS and Remote Sensing" organized by Department of Civil Engineering, Faculty of Engineering & Technology, SGT University, Gurugram, Haryana on November 28, 2020.

Dr. Neeraj Saini Head of the Department Department of Civil Engineering, FET

Mr. Yaman Hooda Convener Department of Civil Engineering, FET