



**MANIPAL UNIVERSITY
JAIPUR**



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JAIPUR**

**FACULTY OF ENGINEERING
SCHOOL OF CIVIL & CHEMICAL ENGINEERING
DEPARTMENT OF CIVIL ENGINEERING**

Career Prospects in Civil Engineering with Geoinformatics

Expert Lecture - II

18 August, 2021



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1. Introduction of the Event

Civil Engineering is all about designing, constructing and maintaining the public works such as roads, bridges, tunnels, railways, airports, canals, dams, sewerage systems, pipelines etc. The usage of geospatial data / geoinformatics for all phases of the infrastructure development enables **civil engineers** to manage, reuse, share and analyse data easily. Thus, saving the time and resources, the application of geoinformatics improves the construction efficiency.

In this context, exploring the opportunities in the domain of Civil Engineering with Geoinformatics and providing a right guidance, become essential for the better future of our young generation.

Therefore, the facts and suggestions through the two-day sessions of expert lectures, would certainly help all those who are awaiting for the higher studies, to understand the tremendous scope involved with Civil Engineering with Geoinformatics.

2. Objective of the Event

- To explore the opportunities in the domain of Civil Engineering with Geoinformatics
- To provide a right guidance to young generation for their future
- To announce that Manipal University Jaipur (MUJ) also has started the course in Geoinformatics, for the purpose of admission

3. Beneficiaries of the Event

This program was planned for the parents, students, who have just cleared their 10+2 / diploma and seeking admissions to the higher studies. Further, it was beneficial for those who wish to explore career prospects in the field of geoinformatics.



4. Details of the Guests

Dr R N Sankhua, resource person of the session, is currently working as Chief Engineer (South), Ministry of Jalshakti (Water Resources, RD & GR), Govt of India Hyderabad, Telangana India. An Indian Engineering Services officer, he earned his PhD from IIT-Roorkee on Machine learning and Geo-informatics application in Water Resources. He also served as the Director of National Water Academy Pune with various other coveted positions in Ministry of Water Resources, Govt. of India. Dr Sankhua authored 4 books, Guided 6 Ph Ds and 30 Masters from IIT-Bombay, University of Pune, Banasthali University, published 182 papers in International /National Journal/Conf & 18 R&D studies on Water Resources and GIS Organized 60 Training Programs on i) Advanced GIS, RS and GPS, Watershed modelling using adv spatial and IT tools, Coastal Engg and erosion protection, Canal automation and modernization, Adv IT applications, Soft computing and hydroinformatics, Linux, IWM and modernization and IT in IWM, Matlab in WR, Basin yield using geospatial tools, Adv basin modelling and many more. He delivered more about 1600 expert lectures across the country. His area of expertise ranging from fluvial hydrology, River engg, morphology, hydroinformatics - numerical and hydraulic modelling to ArcGIS, Q-GIS, ArcHydro, ArcGroundHydro, TauDEM, ArcSWAT, AVSWAT, VIZSWAT, ArcCN, RCMM, ILR GeoExpress, ENVI, Geomatica, ERDAS, Arc View, PC ArcInfo3.5.4, FGIS, R2V, MATLAB, Simulink, WQ Modelling - WASP 7, QUAL2K, Desert etc.

5. Brief Description of the event

At 03.00 pm the session was started. With initial words related to geoinformatics, Dr Parwez M Akhtar, one of the Conveners of the Expert Lectures, welcomed all the participants to the National Level Online event.

Later on, Prof Bhavna Tripathi, Director, School of Civil and Chemical Engineering introducing the activities of MUJ, informed about the new program B Tech (Hons) in Civil Engineering with specialisation in Geoinformatics to the participants. Then, Dr Parwez introduced Dr R N Sankhua, Resource Person of

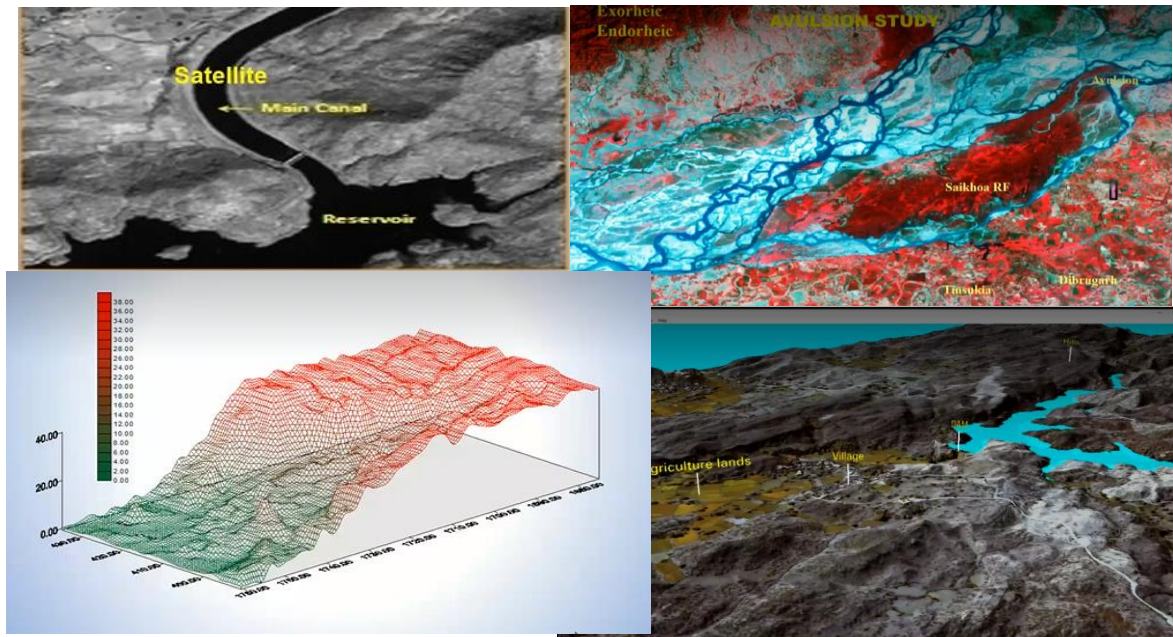
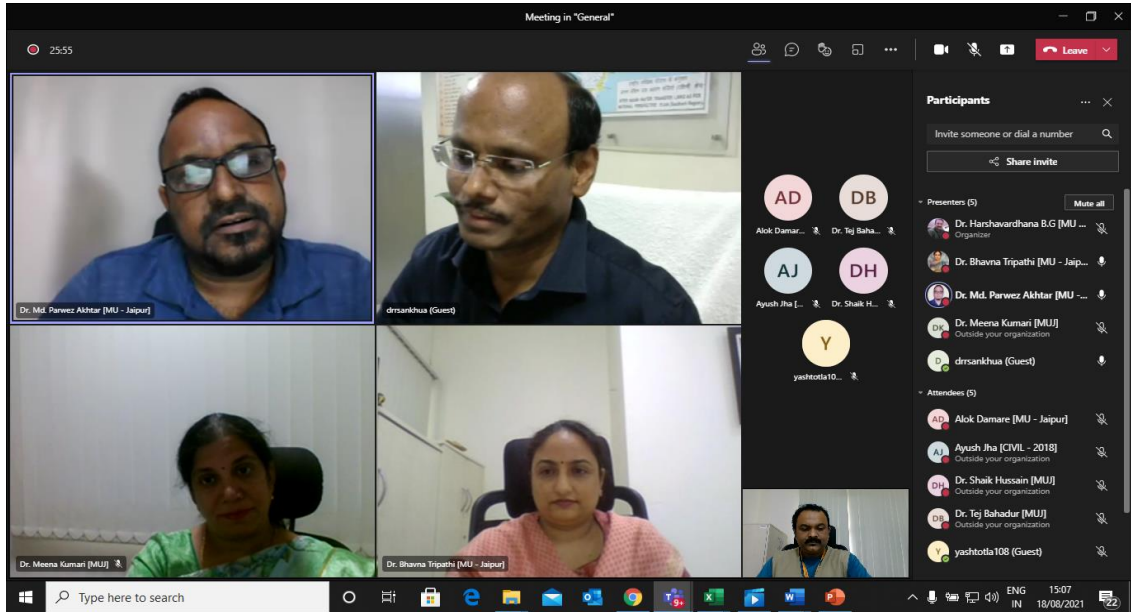


the session to the online gathering before he was invited for the presentation. On completion of the talk that continued for about 2:30 hours, there were 4-5 questions from participants and faculty members. They also appreciated the session to be an informative one.

To the end, on behalf of Department of Civil Engineering, Dr Harshavardhana B G, one of the Conveners of the event, expressed sincere thanks to Prof Jagannath Korody, Dean, Faculty of Engineering, MUJ, for his continuous support in organising such career guidance event. He thanked Prof Bhavna Tripathi, Director, School of Civil and Chemical Engineering for talking about MUJ and the new program B Tech (Hons) in Civil Engineering with specialisation in Geoinformatics to the online gathering as well as for her advice in having the event conducted. Dr Harshavardhana B G also thanked Prof Meena Kumari Sharma, Head, Department of Civil Engineering, MUJ for her great help and suggestions extended.

Finally, whole heartedly he extended thanks to Dr Parwez M Akhtar, fellow colleagues, friends and all the participants for being a part of the national event for making it a grand success. Anticipating for their continuous support and co-operation in future endeavours too, the session was ended.

6. Photographs/ screenshots of the event



Photographs showing the slides and online discussion during the event

7. Brochure or creative of the event



**MANIPAL UNIVERSITY
JAIPUR**
(University under section 2(f) of the UGC act)

**GUIDANCE FOR
YOUR BETTER
FUTURE**

**ONLINE EXPERT
LECTURES ON**

**CAREER PROSPECTS IN
CIVIL ENGINEERING
WITH GEOINFORMATICS**

18 AUG 2021
03.00 PM

Dr R N Sankhua
Ph D, IIT, Roorkee
Chief Engineer
Ministry of Jal Shakti (WR, RD & GR)
Hyderabad, Telangana

CONVENERS

Dr Harshavardhana B G
Dr Parwez M Akhtar

Registration Link
https://docs.google.com/forms/d/e/1FAIpQLSfy_o2RVZeapcu4SR3TkE-LE3VEF4R1kQCfSjAGJqkbcW0gmw/viewform

Organized by
Department of Civil Engineering, Manipal University Jaipur

8. Schedule of the event (insert in the report)

Date: 18 August, 2021

Time: 03.00 pm – 05.30 pm

9. Attendance of the Event

Total attendee - 63



List of Participants					
SI No	Name	SI No	Name	SI No	Name
1	Aaditya Sudhir Lature	22	Dr Bhavna Tripathi	43	Mr Charanjeet Singh
2	Abhinaba Ray	23	Dr Gaurav Sancheti	44	Mr Sourav Kumar Das
3	Abhishek Garg	24	Dr Meena Kumari	45	Mr Vikram Singh Kashyap
4	Aditya Saini	25	Dr Shaik Hussain	46	Nikhil Srivastava
5	Akhilesh Tarkar	26	Dr Tej Bahadur	47	Palak
6	Alok Damare	27	Eshaan Mishra	48	Prajjal Chowdhury
7	Anamika Anil	28	Heena	49	Pranav Kaushik
8	Anand Yadav	29	Hemant Medatwal	50	Priyanshu Ladha
9	Ananya Dhar	30	Hemant Singh Jadoun	51	Pydi Srinivasa Rao
10	Anubhav Singh Rana	31	Himanshu	52	Raghuvesh Tiwary
11	Anurag Patidar	32	J Jayachandra Manav	53	Ram Sewak Sah
12	Archi Mudgal	33	Joyita Sinha	54	Sagar Sharma
13	Arti Sinha	34	Jyoti Yadav	55	Sanchit Anand
14	Arun Kumar Dwivedi	35	Madhav Barodia	56	Sandeep Kumar
15	Ashutosh Kumar	36	Madhur Kalal	57	Sandesh Akash P
16	Atharva Londhe	37	Mayank Singh	58	Sanjeet Tanwar
17	Ayush Jha	38	Md Perwez Akhtar	59	Sarthak Morwal
18	Devansh Jain	39	Mohak Goel	60	Selva Balan
19	Devesh Chaudhary	40	Mohammad Juned Mansuri	61	Sparsh Khare
20	Devyash Jain	41	Mozaffar Imam	62	Srikar
21	Suheil Ahamed Qureshi	42	Umair Ahmad	63	Yash Totla



10. News Publication- News printed in newspaper or online links if any for news – insert images)

The screenshot shows a Facebook post from Harshavardhana B G, dated August 18, 2021. The post features a promotional banner for 'ONLINE EXPERT LECTURES ON CAREER PROSPECTS IN CIVIL ENGINEERING WITH GEOINFORMATICS' organized by the Department of Civil Engineering, Manipal University Jaipur. The banner lists two speakers: Prof Dr -Ing Anupam Kumar Singh (17 AUG 2021, 10.30 AM) and Dr R N Sankhua (18 AUG 2021, 3.00 PM). It also provides a registration link and lists the conveners as Dr Harshavardhana B G and Dr Parwez M Akhtar.

The Facebook post text includes:

Dear Friends,

Here comes the GREAT OPPORTUNITY to understand the CAREER PROSPECTS available for students after learning geoinformatics with civil engineering at the B Tech level.

Join us in shaping the future of the young generation with the skills of Remote Sensing and GIS!!!!

INTIMATE ALL YOUR FRIENDS, RELATIVES & COLLEAGUES!!!! LET THEM ALSO PARTICIPATE IN THIS BRAINSTORMING SESSION & DECIDE THEIR CHILDREN'S CAREER!!!!!! 🙌🙌🙌🙌🙌🙌

Registration NOW with the LINK below:
https://docs.google.com/forms/d/1FAIpQLSfy_o2RVZeqpcu4SR3TI-LE3VEF4R1kQCfSjAGjqkbcW0gm/viewform

DO NOT MISS!!!!!! 🙌🙌🙌🙌🙌🙌 See less

— with Prathibha Anekal and 27 others.

Today's Career Guidance is at 3 PM by Dr R S Sankhua, Chief Engineer (South), Ministry of Water Resources, Govt of India, Former Director, National Water Academy, Pune, Govt of India.

JOIN US with the following steps;

- 1 Click on the link: <https://teams.microsoft.com/l/meetup-join/19%3aJ0y8xvr-9a5sYtzXxfGsZrn1aovLZW0VDn5LGOIC01%40thead.tacv2/1629198829012?context=%7b%22Tid%22%3a%22a1608842-8390-4bfb-90af-89ae3ab30761%22%2c%22Oid%22%3a%2212872b89-6a8b-488b-8257-fd8cb6831c27%22%7d>
- 2 Click CANCEL (on popped up window after clicking the above link)
- 3 Then Click CONTINUE ON THIS BROWSER
- 4 Click JOIN NOW

Anticipating your continuous encouragement for