

Highlights of TEQIP Sponsored One Day Online Workshop on “**Application of Remote Sensing and GIS in Civil Engineering**” held on July 4, 2020.

Department of Civil Engineering, Dr B R Ambedkar National Institute of Technology hosted TEQIP Sponsored One Day Workshop on ‘**Application of Remote Sensing and GIS in Civil Engineering**’ on 4th July, 2020.

The key objectives of the workshop was to enlighten the students of B Tech, M tech and Research Scholars and Faculty to learn GIS and Remote Sensing which having a wide the applications in Civil Engineering. Also to train the students with new technologies as per the current requirement of industries.

The experts **Professor R D Garg**, Professor in Civil Engineering Department, Indian Institute of Technology, **Dr Arpit Chauksey**, Scientist in Indian Institute of Remote Sensing, Dehradun and **Dr Gaurav Shukla**, Faculty in Civil Engineering Department, Maharishi Markandeshwar University, Mullana Haryana. The workshop was chaired by **Dr H S Chore**, acting Head of the Department and coordinated by **Dr Mahesh Patel** and **Dr Rajiv Kumar**.

The workshop was inaugurated by **Dr H S Chore** acting Head of the Department and experts in the presence of faculty of Civil Engineering Department. In addition to this, Patron and Chief Coordinator **Prof. L K Awasthi, Director, NITJ** has given his blessings to conduct this course as he could not present in the inauguration because of his busy schedule.

The experts covered the fundamentals of Remote Sensing and GIS and applications in various fields. They have the shown importance of geospatial technologies in Civil Engineering. Dr Shukla started the lecture by explaining the basics of Remote Sensing and GIS and their several applications in Civil Engineering. By following that Prof R D Garg emphasized the uses of GPS for condutuiong the suprvey of remote areas where human reach is unreaistic. In the last, Dr Chauksey explained the hydrological modeling using geospatial techniques which would help to carry out the flood mapping and prepare the mititigation strategy. There are several application in Civil Engineering in which students can learn and impliment in real life scenarios.

In addition to above the experts have shared their practical experiences and the challenges which they have face during their carrier. The total registration in the workshop exceeded more than **4500+** that comprised under graduate students, post graduate students, research scholars, faculty members and people

from industry participated in large numbers. During workshop, brainstorming discussion took place between experts and students over GIS and Remote Sensing to get an insight of new technology and about their sustainability in the practical life. Also, there were **10000+** views were observed in youtube live streaming.

At the end of workshop the certificates to the participants were sent by email who are submitted the feedback form and attended most of the sessions. **Dr Mahesh Patel and Dr Rajiv Kumar** thanked the participants for attending this workshop. They also thanked to the organizing team, Department of Civil Engineering faculty members and staff for making this event successful.

There are following glimps during the online workshop

