

Highlights of TEQIP Sponsored One Day Industrial Interaction Workshop 2019

Department of Civil Engineering, Dr B R Ambedkar National Institute of Technology hosted **TEQIP Sponsored One Day Workshop on ‘Application of Superplasticizers and Air Entraining Agents in Concrete Industry’** on **2nd February 2019**. The key objective of the workshop was to aware the participants regarding latest research issues and challenges of concrete technology so that they can handle the latest concerns and to adopt new approach in the field of concrete technology. In this regard, industrial experts were invited from different reputed industries to talk about importance of different types of superplasticizers and air entraining agents that are used in concrete. The experts **Mr Ibrahim Shaikh**, Senior Product Manager in Concrete Division in Sika India Private limited Mumbai, **Mr Prateek Ruia**, Director of Ruia Chemicals Kolkata and **Mr Amir Ghar**, Research and Development Manager Kolkata, have shared knowledge and experiences amongst the participants. The workshop was chaired by **Prof A Mukhopadhyay**, acting Director of the institute and coordinated by **Dr Navdeep Singh** and **Dr Mahesh Patel**.

The workshop was inaugurated by **Prof A Mukhopadhyay**, Dean Academic and acting Director, **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 application of various types and uses of super-plasticizers and air entraining agents that are being used in manufacturing of concrete in India as well as around the globe. The mechanism and the chemistry behind the action of aforementioned performance enhancing products in the concrete was discussed by **Mr Ghar**, Research and Development Manager, Ruia Chemicals while the latest technologies, trends and case studies were shared by **Mr Prateek Ruia**, Director of Ruia Chemicals. Likewise, **Mr Ibrahim Shaikh**, Senior Product Manager in Concrete Division in Sika India Private limited Mumbai conversed about the application of superplasticizers and benefits of air entraining agents in different types of concrete.

They have also covered the economical and environmental aspects of some of the chemical agents that are being used to improve the green, mechanical and durability behavior of concrete. In addition to above the experts have shared their practical experiences and the

challenges which they have face during their carrier. The total participation in the workshop exceeded more than 80 that comprised under graduate students, post graduate students, research scholars and faculty members of Civil Engineering. During workshop, brainstorming discussion took place between experts and students over advancements of admixtures in concrete to get an insight of new technology and about their sustainability in the practical life.

At the end of workshop the certificates to the participants were distributed by experts and faculty of the department. **Dr Navdeep Singh** and **Dr Mahesh Patel** thanked the percipients for attending this workshop. They also thanked to the organizing team, Department of Civil Engineering faculty members and staff for making this event successful.







