

Report of FDP

The one-week FDP conducted by the Department of Civil Engineering, IIT Delhi from 9th to 13th March 2020 was coordinated by Prof. N K Jha (Professor, Department of Civil Engg., IIT Delhi). There were eleven participants from various parts of the country, including from academia as well as industry.

The program was introduced by Prof. Jha whereby he discussed broad contours of safety management in the construction industry. The emphasis was laid on the importance of safety in construction which, unfortunately, still remains on the backburner. Prof. Dinesh Mohan took up the 'Principles' of safety management and discussed various studies that have been conducted in this area. Prof. D A Patel (Assoc. Prof., Department of Civil Engg., NIT Surat) who did his Ph.D. in the field of construction safety, dwelled upon 'Hazard Identification and Risk Assessment' and discussed various Indian codes dealing with the issue. He also talked about behaviour-based safety management and various measurement tools for evaluating safety performance.

'Temporary Structures', one of the important sources of accident in construction was taken up for discussion by Prof. Jha whereby he discussed in detail various technologies being used for formwork in multi-storied buildings, and how to design them.

A very interesting study on 'Socio-Economic Cost of Road Accidents' was discussed by Prof. Geetam Tiwari (Professor, Department of Civil Engg., IIT Delhi) to explain the procedure of evaluating social and economic costs of accidents, which helps realise the holistic perspective of an accident. Prof. Ravi Shankar (Professor, Department of Management Studies, IIT Delhi) discussed 'Safety, Reliability and Maintenance' to help reduce rate of accidents using various management models.

A site visit was also taken up at the upcoming 'Central Armed Police Forces Institute of Medical Sciences' at Maiden Garhi, Delhi, a facility being done by L&T, to understand various aspects of safety in construction. Overall, the experience was very good as it gave an idea of contemporary practices being followed in the field of safety in construction.

