

Report on TEQIP sponsored One-week STC on “Advances in Construction Materials and Methods” organized by Department of Civil Engineering from 1 – 3 July, 2019

A Short Term Course (TEQIP-III Sponsored) on **“Advances in Construction Materials and Methods”** has been organized from **July 1-5, 2019** at **Dr B R Ambedkar National Institute of Technology, Jalandhar, Punjab**. The objective of this STC was to integrate technology, research and innovations in construction industry for the professional competency of the faculty members, PG & PhD Scholars. Our endeavour was to create awareness and provide latest techniques in the recent and innovative fields relating to construction materials and method.



Prof. Lalit Kumar Awasthi, Director of the Institute was the chief guest while Dr. R L Sharma, NIT Hamirpur was the guest of honour in the inaugural ceremony of the course on 1st July, 2019. Prof. S. P. Singh, Head of the Department of Civil Engineering was also present on this occasion. The course was inaugurated by lighting the lamp. Ms. Shailja Bawa welcomed the dignitaries and participants. After the floral welcome of the dignitaries by Dr. Davinder Singh and Dr. S P Singh, the opening remarks were delivered by Dr. S P Singh. Then we had the pleasure of listening to the motivational speech by

worthy Director Prof. Lalit Kumar Awasthi Sir. Participants from all over the India graced the occasion.



In this course the resource persons were mostly from IIT's, NIT's, PEC and Thapar Institute. Dr R L Sharma of NIT Hamirpur delivered an expert talk on Enrgy efficient Architecture of Buildings. Dr Prempal Bansal of Thapar Institute discussed about the sustainable construction. Dr Rohit Mehra of NIT Jalandhar discussed the ill effects of using flyash due to its radioactivity. Dr Gurbir Kaur of Thapar Institute presented the use of recycled plastic waste in construction. Dr R A Khan of AMU Aligarh talked about the Self Healing Concrete. Dr. S K Kaushik (IIT Roorkee) delivered a lecture on Concrete- A wonder material. Dr. Umesh Sharma affiliated to PEC chandigarh talked about soil stabilization using recycled materials. Dr R K Sharma from NIT Hamirpur discussed the advanced technologies for foundation construction. There were lab sessions as well as expert talk by Dr Shashikant Sharma and Dr. Kanish Kapoor from NIT Jalandhar. Dr. Davinder Singh gave an insight into management and utilization of municipal soil waste ash. Ms Shailja Bawa discussed the fatigue of hybrid fibre reinforced self compacting concrete.



On 5th July 2019, the certificates were presented to the participants. Ms. Shailja Bawa presented the vote of thanks. Dr. L. K. Awasthi, Director and Dr. S P Singh, Head of Civil Engineering Department congratulated coordinators to organize the course successfully and extended support to all the participants to achieve their future endeavour.

