

Report on Five day online international STC “Sustainable, Resilient and Smart Built Infrastructure in Developing Countries” held between 20-24 October 2020 in Civil Engineering Department, NITJ

Dr. B R Ambedkar National Institute of Technology Jalandhar organized five days online International Short-Term Course (STC) on “Sustainable, Resilient and Smart Built Infrastructure in Developing Countries” from 20th -24th October 2020. Prof Krishna R Reddy, Professor of Civil & Environmental Engineering at the University of Illinois Chicago (USA), was the resource person. Professor Reddy is also serving as a Director of Sustainable Engineering Research Laboratory and Geotechnical & Geoenvironmental Engineering Laboratory at the university of Illinois. He has over 28 years of research, teaching, and consulting experience within the broad fields of civil, geotechnical, materials, environmental, and sustainable/resilient engineering, addressing the node among sustainability, resiliency, infrastructure, water, energy, and the environment.

The short-term course was inaugurated by the Honorable Director, Prof. (Dr) Lalit Kumar Awasthi, Dr. B.R. Ambedkar NIT Jalandhar as a Chief guest. In his address, he told about the achievements of the institute in last four years, research scenario and availability of facilities for students and researchers. Further, he shared his views on the importance of sustainable development, their challenges and solutions for the problems through profound research.

Prof. Arvind K Agnihotri from Civil Engineering Department of NIT Jalandhar, who is also a coordinator of STC presented welcome address and gave introduction of the course. He also introduced Prof Lalit K Awasthi and Prof Krishna R Reddy. He appreciated the hard work , vision and efforts made by the Director Prof L K Awasthi under whose able guidance and leadership NIT Jalandhar achieved 52nd position in NIRF ranking in the current year. Dr. Kanish Kapoor, Assistant Professor of Civil Engineering Department, NIT Jalandhar and convener of STC also greeted Prof Reddy for delivering expert lectures on emerging area. The participants from various institutes within India and Foreign universities took part in the STC, naming a few; Federation University of Australia, Fiji National University, Universidad Tecnologica Tula Tepeji, Indian Institute of Science, Bangalore National Institute of Technology Surathakal, National Institute of Technology Patna , Anna University, PAU Ludhiana etc.

Prof Krishna R Reddy delivered 15 hours expert lectures in total ten sessions during five days course. He shared the knowledge on emerging challenges for sustainable development, United Nation Sustainable Development Goals (UN SDG's) and their solutions. Further, he discussed about the resiliency and resilient design framework, carbon footprint and Life Cycle Assessment (LCA), Green buildings and sustainable waste management. Moreover, he concluded that this course is beneficial for social, economic and environment development to attain sustainable goals.

During valedictory ceremony on October 24, 2020 Professor Lalit Kumar Awasthi, Director NITJ appreciated the efforts made by the department of Civil Engineering for arranging a course on such an emerging area that very senior professors from india's leading institutions and even foreign universities participated in the program. Professor Arvind K Agnihotri presented vote of thanks and appreciated the encouragement and support provided by NITJ administration and Professor Krishna Reddy for his lectures covering basics to the practical examples to the research level discussions for the benefit of one and all; the beginners, teachers and researchers. All the participants including Prof GL Sivakumar Babu (IISc Bangalore), Prof Jaspal Singh (PAU Ludhiana), Prof Maria MM Teutileon (Mexico) appreciated the course content and the speaker and congratulated the organisers for their efforts.

