Workshop on Tackling Development Challenges in Himalayan Region through Internet of Things (IoT) Enabled Services and Devices
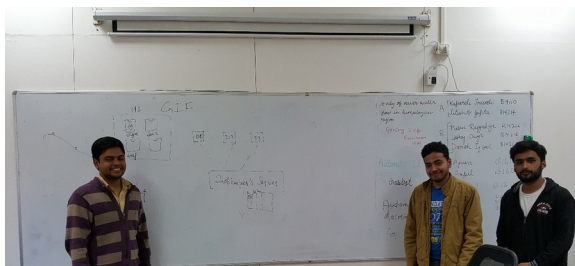
First workshop on IoT systems was organized by the School of Computing and Electrical Engineering (SCEE) of IIT Mandi on 6th March, 2017.

More than 20 participants attended the workshop. Other than IIT Mandi students, a few faculty members from Jawaharlal Nehru Government Engineering College, Sundernagar, HP, also participated in this workshop.

Dr. Samar Agnihotri inaugurated the workshop by introducing Dr. Atul Singh Minhas, Univ. of Liverpool, UK (eminent invited visitor speaker) and Dr. Srikant Srinavasan (in-house speaker). Following which, Dr. Srinavasan highlighted using IoT systems to address some of the real-life challenges faced by the farmers and the agricultural industry. Then, Dr. Minhas presented some of his work where he is using IoT systems for health care and energy management.

The focus of the workshop was to expose students to the possibilities and opportunities related to IoT systems. To provide some hands-on experience, students were asked to think about some problems relevant to Himalayan region where IoT systems could be used. The students formed four teams and came up with their own problem statements and solutions. These teams then presented their ideas and received feedback from the attendees. The

presentation of team projects was coordinated by Dr. Siddhartha Sarma. The topics of team presentations, included River water monitoring in Himalayan region, Automatic LPG cylinder ordering, and Automatic alarm system for landslide.

Dr. Samar extended his thanks to all the speakers and also emphasized this gathering as the beginning of the IoT era in IIT Mandi. He said that we will be organizing such workshops in future in a larger scale and with more participants, which all participants elcomed enthusiastically.