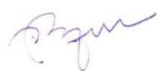


Activity Report

This report is a summary of MHRD sponsored TEQIP faculty programme on "Training of Future Skills Technologies: Cyber Security" from 24th Feb. 2020 to 6th Mar. 2020 at IIT Roorkee. The training programme was organised by Department of Computer Science and Engineering, IIT Roorkee. Total number of 60 participants came across from around 10 states of India to attend the programme. The strength has been divided into two different batches of about 34 and 26 number of participants. During the inauguration of the event, course coordinator and co-coordinator; Dr. Dharmendra Singh and Dr. Sandeep Kumar Garg respectively, have welcomed the participants and discussed the theme and contents of training programme.

Throughout the training sessions, many faculty members from computer science and engineering department and some professionals from industry delivered the expert talk on various topics. The key research area for discussions are cyber security and phishing, information security, number theory, cryptanalysis, usage of machine learning and deep learning neural network in cyber security, upcoming-technologies in communication, and associated topics. Few hours of the course were also designed for hands on experience on various tools in the similar areas. Some of the tools like tensorflow: library of Python, NS3, Netsim emulator, etc. have been used in multiple practical sessions.

In valedictory session, coordinators have concluded the course with motivational words for all participants to continue the spirit of course in academics and in the field of research. Afterwards, they have distributed the certificates among participants. In addition to it, this programme provides an exposure and understanding to the several topics in the field of e-security. By the end of course, it seems to have some sort of collaboration with the fellow participants, and even with some of the like-minded speakers. I hope such collaborations will continue to flourish in future times as well for the progression in academics and research activities.



Dr. Harsimranjit Singh Gill