

The Information Technology Department has organized a TEQIP-III sponsored Five Day Online Short Term Course on “**Soft Computing: Theories and Applications**” from September 14-18, 2020. The STC was technically supported by Team-SoCTA where experts deliveries were by their expertise.

Prof. Lalit Kumar Awasthi, Director, NIT Jalandhar was honoured with his presence in the inauguration ceremony of the event, accompanied by Dr S K Mishra, Registrar NIT Jalandhar; Dr. A Mukhopdhay, Dean Academic; Dr S. K. Sinha, Dean Research and Consultancy.

Dr. Renu Dhir, Head of the IT department and Dr. Avtar Singh who was the Convener of the course with Dr Mohit Kumar and Dr Nisha Chaurasia (Co-ordinators) of the Programme, were also present in this online inaugural session.

This STC provided an exposure to participants in the area of Soft Computing. There were more than 700 registrations to this STC. The proposed STC aimed to update the knowledge of tools and techniques in optimization. It included the fundamental concepts of optimization theory and various optimization algorithms involved. The participants are expected to be imparted knowledge pertaining to theoretical as well as analytical treatment to the Soft Computing related problems.

Targeting to the insights learning of Soft Computing, the objectives of the STC were defined as:

- Understanding soft computing techniques and their role in real life problem solving.
- Understanding various nature inspired algorithms.
- Analysing and integrating various soft computing techniques in order to solve real-time problems effectively and efficiently.
- Fostering abilities in designing and implementing soft computing-based solutions.
- Extending its enormous applications in areas such as medical diagnosis, computer vision, pattern recognition, machine intelligence, weather forecasting, network optimization, VLSI design, etc.

At the valedictory function, Prof. Awasthi expressed his happiness and congratulated for the success of the course. Dr. Renu Dhir (HoD) presented the report of the proceedings of the Course and proposed vote of thanks.

