Computer Science and Engineering Department of Dr. B. R. Ambedkar National Institute of Technology had organized a Short Term Course on "Data Analytics Tools and Techniques" (DATT-2020) sponsored by TEQIP III from 22nd Sep 2020 to 26th Sep 2020. The function was graced with the auspicious presence of Chief Guest Prof. L.K. Awasthi, Director NIT Jalandhar, and other eminent speakers. The course witnessed the attendance of more than 250 participants across the country. The STC was successfully coordinated by Prof. A L Sangal, Head of the CSE, Dr. Avtar Singh and Dr. Kuldeep Kumar, Assistant Professor, Department of Computer Science and Engineering, and other faculty members of the organization committee.

This STC aims to engage applicants from academia, scientific and research communities with several aspects of Data Analytics, concepts and technologies, Machine Learning, and Deep Learning, and current trends of data analytics in various applications. The five-day workshop enables the participants to learn and conceptualize Data Analytics, understand the theoretical and practical aspects of quantitative and qualitative data analysis, and apply various quantitative modeling and data analysis techniques to solve real-world business problems. This short-term course aims to provide exposure in "Data Analytics Tools and Techniques" through interaction with experts in different domains of research.

The expert lectures by Prof. Millie Pant, IIT Roorkee, who delivered an introductory talk on machine learning, artificially intelligent, and data science and shed light on their existence, differences, and recent trends in this research area. Prof. Arnav Bhavsar, IIT Mandi delivered a lecture on Deep Learning and its classification. Prof. Partha Pratim Roy, IIT Roorkee introduced participants regarding Ensemble System. A practical session on Predictive Analysis using R is conducted by Prof (Mrs) Saroj, GJUST Hisar, where she performed the task of classification and then by evaluating the performance of the classification algorithm used and compared various classification algorithms. Prof. Tarun Kumar Sharma, Shobhit University introduced the participants with what and how large the data is. He discussed data science, its life cycle, a domain where data science creating an impression, and explored the link between Covid-19 and depression using neural networks. Prof (Mrs) Kamlesh Dutta, NIT Hamirpur, covered various Deep Learning tools for Natural Language Processing (NLP). Knowledge Graph & Deep Learning is covered by Mr. Utpal Kant, Research Scientist, BuyCo, France with demo sessions. The last day of the STC program started with Ms. Palak Jain, TCS Research Lab, Delhi on the lecture of NLP.

Dr. Kuldeep Kumar, Assistant Professor Dept. of Computer Science and Engineering summed up the five-day course and thanked all the eminent speakers, Director NITJ, and other coordinators for organizing such an informative course successfully and extended support to all the participants to achieve their future endeavor. Participants gave their valuable feedbacks which includes the organizing of more workshops like this in the future.