

# DATA SCIENCES WORKSHOP, IIT BHILAI

5-Days ATAL workshop on Data Sciences was conducted by the All India Council of Technical Education from 16th November 2019 to 20th November 2019 at IIT Bhilai. Around 61 participants across Chhattisgarh and Jharkhand participated in the workshop. The workshop was inaugurated by Prof Rajat Moona, Director IIT Bhilai, Prof. P.D Srivastava, Visiting Professor, Dept. of Maths, IIT Bhilai, and Prof. Ratan K. Ghosh, Visiting Professor, Dept. of EECS, IIT Bhilai.

Prof Rajat Moona in his inaugural talk addressed the importance of Data Science in today's world. Dr. Ratan Ghosh gave an interesting keynote address on the fundamentals of Data Science learning. The participants were given a detailed overview on the applications of basic mathematical principles in Data Sciences, System of Equations and Vectors, Data Security and Cryptography, EigenVectors and their applications in Data Sciences, usage of tools such as Apache Hadoop and Spark, Anaconda and python-based ML tools, Adversarial Machine Learning and various practical application, probabilistic methods applied in Data Science problems by faculty members of the Institute.

The workshop was concluded with an address by the workshop coordinator and a round of appreciation to the instructors during the valedictory function. The workshop was a success, as all the participants were able to develop, configure and run small AI/ML applications and code deliverables at the end of the workshop.

