

Exit Report on Lecture “MATLAB and its Industrial Applications” 23rd Aug 2022

Department of Electronics and Communication Engineering, JUIT has invited an Education team of mathworks for an expert lecture on “MATLAB and its Industrial Applications” on 23rd Aug 2022 from 2:30 PM to 4:30 PM. An expert from the Education Team of Mathworks, Dr. Dhruv Chandel was the Keynote speaker. He is a Senior Team lead with the education team at Mathworks, the creators of MATLAB and Simulink software. He has more than ten years of experience in Simulation, Control System Design, Robotics and Artificial Intelligence. He previously worked as a researcher in academia as well as in industry, including four years with a startup renewable energy company in London. He earned a Master’s degree in Robotics and a PhD in Renewable Energy from the University of Bath, UK.

In the lecture, Dr. Dhruv made the audience aware about the different companies using MATLAB and how MATLAB is making it possible for the researchers, scientists and enthusiasts to focus mainly on the development using domain knowledge and minimising the efforts of writing a long code. In the lecture he covered the following topics:

1. Use of MATLAB in Industry.
2. MATLAB and Simulink
3. Simulating Electrical Circuits in Simscape.
4. Developing a PID controller.
5. Deploying code to hardware (Arduino).







