

Department: ME | Date: 05th August, 2022

Report on virtual mode webinar
"Industrial Automation & Robotics"
Organized by
Robotics Club

Industrial automation and robotics are the use of computers, control systems and information technology to handle industrial processes and machinery, replacing manual labour and improving efficiency, speed, quality and performance.

To understand the importance of Automation and Robotics needs in industry a program is organized with a title of "Industrial Automation & Robotics" JSS Academy of Technical Education, Bengaluru in association with NIT Warangal. IV B.Tech students of Mechanical Engineering are participated in the virtual session on 05th August 2022. Dr Chandrashekhar P, Director, 7S Technologies, Hyderabad, enlightened with vast experience.



Industrial Automation & Robotics online webinar organized by Robotics club

During the session, the resource person, Dr Chandrashekhar P, explained Electrical and Electronics Project, Craftsman Automation, about industrial robots and its need. The session started with a basic topic - what is a robot, types of robots and its applications. The presentation gave a pictorial visualization about

robots and its freedom of movement. Being an Industrial expert he conveyed this main point: India is the only country which has the highest scope of extent on robotics. All his view about future robotics was supported by slides on GDP growth of a country and also MAN TO ROBOT replacement over the past decades.

Dr Chandrashekhar. P made awareness in the students with real life applications in the areas of Modern industrial automation systems its applications in different environments which consistent and predictable, making them ideal for processing chemicals, pulp, paper, oil and gas or other raw materials. By adding Industry 4.0 capabilities to these systems, industrial automation can also include access to peripheral data to further optimise operations based on real-time data. Finally, he hallowed the students and recommended to shape their career in the right path for long term sustainment in the modest competitive world.

Coordinator of the Program: **Mr. S. Praveen kumar, Asst. Professor.**



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