

## Seminar on Industrial Automation

The Department of Electronics and Communication Engineering organized a seminar on “Industrial Automation” for IV B.Tech ECE & EIE Students on 08.8.2018. The session was handled by Mr.R Krishna Chaitanya, Director, RK Automation, Guntur. He is an automation engineer having 3 years of experience in 'Industrial Automation' with wide applications. He is an expert in PLC with more number of International brands.

The Curriculum for the Session:

- Introduction to automation
- Recent trends in industrial automation
- Career development in the field of Industry Automation

Industrial automation is the use of control systems, such as computers or robots and information technologies for handling different processes and machineries in an industry to replace a human being. It is the second step beyond mechanization in the scope of industrialization. It increases quality and flexibility in manufacturing process. He explained about the components of industrial automation such as field instruments, control hardware and control software. Computers can perform both sequential control and feedback control, and typically a single computer will do both in an industrial application. Programmable logic controllers (PLCs) are a type of special purpose microprocessor that replaced many hardware components such as timers and drum sequencers used in relay logic type systems.

He also explained about the different software and hardware tools that help in industrial automation and shown videos for different examples for clear understanding. The session was good and students gained knowledge in industrial automation based projects and sure it will be useful for their projects.



