

**Raj Kumar Goel Institute of Technology,
Ghaziabad, Uttar Pradesh, INDIA
Electrical & Electronics Engineering Department**

ABB Industrial Automation Centre – A Centre of Excellence 

The global industries is becoming increasingly competitive as the dynamic nature of the present day market demands a high level of automation and flexibility to address the changes in demand and so the demand for industrial automation is emerging. Industrial automation plays a vital role in the field of Electrical Engineering.

Automation is basically the delegation of human control function to technical equipment. It is the use of control systems such as computers, PLCs, Microcontrollers to control machinery and processes to reduce the need for human sensory and mental requirements as well. Industrial Automation i.e. to "Automated Industry" is the basic need of almost every type of manufacturing and production unit today. Food/Beverage, Metal, Mining, Power, Textile, Petrochemical, Machine Manufacturing, Automobile etc are the few examples where we see the automation today.

In order to meet the demand of modern industries in terms of skilled technocrats and well trained engineers “**ABB Industrial Automation Centre**” is established in the **Department of Electrical and Electronics Engineering**.

The main aim of this centre is to bridge the gap between the expectation of modern industries and the knowledge of our graduates. The centre will help to make the aspiring engineers acquainted with the conceptual as well as practical knowledge of the Industrial Automation & latest technologies being used to achieve industrial automation.