One page writeup for

**Post Graduate Diploma in Industrial Automation (PGDIA)**

**(Blended mode)**

Industrial Automation is a process of operating machines and other industrial equipment with the help of logical programming, to reduce human intervention in decision making. To face the challenges while implementing industry 4.0, the knowledge of digitization, operation technology, sensor technology, control system, data analytics and IIoT is essential. Industrial Automation leads to an increase in production, recuing cost of manufacturing, improvement in quality of the product, efficiency of operation, reduction in energy consumption and eventually increase in the business profits. In view of scarcity of multidisciplinary manpower to handle such a complex technology, this course is designed. The proposed one year Post Graduate Diploma in Industrial Automation (PGDIA) is aimed at developing the manpower required for the industry, to boost the economy of the industry as well as to promote the concept "Atmanirbhar Bharat". This PGDIA is designed to help learners acquire the knowledge, and skills needed to work in the area of Industrial Automation (sensors, actuators, PLC, DCS, logic developments and programming), industry 4.0, and Industrial internet of things (IIoT).

**Highlights of Course:**
• Designed as per standard requirements of Automation Industry
• Focused on developing the skills through extensive laboratory
• Part of course delivery by industry experts
• Focused on developing the skills through extensive laboratory and fieldwork
•Close association with industry experts, industrial advisors, and eminent academicians Project based learning approach for teaching, and learner centric assessment techniques Part of course delivery by industry experts

**About the course:**
• Tri-semester certificate course of total 45 credits
• Course will be conducted in hybrid mode (Online + in person sessions)
• In-house, renowned, and well experienced faculty from COEP and Industry professionals ·
• Each Trimester is of 14 weeks followed by examination in subsequent week
• First two semesters are in COEP and third semester in Industry for full-time project/internship working with live projects
• Maximum batch size 30
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•Course fees: - Course fees displayed on website to be paid online at the time of admission