

Government Polytechnic Nashik

Government Polytechnic Nashik was established in the year 1980. The Government of Maharashtra allotted 30 Acres of land for the majestic & sprawling Govt. Polytechnic campus. Initially diploma programme in civil engineering with 60 intake was introduced in 1980 and now the Institute conducts ten regular diploma programmes in conventional and diversified areas with total intake of 780. Government of Maharashtra awarded Academic Autonomy to the Institute from the academic year 1995-96. Government of Maharashtra awarded 'Best Polytechnic Award' to this institute in the year 2001. Institute also got ISTE Narsee Monjee "Best Polytechnic award in 2011.

Department of Mechanical Engineering was established in 1989. The dept. is running two shifts with intake of 120. The dept. is well equipped with all modern labs and the qualified staff to fulfill the requirement of the course.

About Nashik

Nashik has its own identity due to its mythological, historical, social and cultural importance. Temples and Ghats on the banks of Godavari have made Nashik one of the holiest places all over the world. Kumbh Mela is held here once in 12 years. Nashik is vibrant and active on the industrial front with three major MIDC namely, Sinnar, Satpur and Ambad. Recently the city is declared as one of fastest growing city in the world and also in the list of smart city under the scheme of Government of India. Nashik is famous for grapes, onions, and tomatoes. Nashik has been the educational hub of North Maharashtra. Today the city houses a large number of private and government educational institutions offering higher education in Medicine, Engineering & Technology, Architecture, Pharmacy, and Military Management among others. The city has become the center of attraction because of its beautiful surroundings with cool and pleasant climate.

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Head, Mechanical Engineering Department

Coordinator

Dr. Shrikant J. Gorane

Faculty, Mechanical Engineering Department

Co-Coordinator

Prof. Manoj S. Thakur

Faculty, Mechanical Engineering Department

Organizing Committee

Prof. P. G. Kochure	Prof. R.N. Khadse	Prof. R.V. Rupvate
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One Week Faculty Development Training Program on

“Mechatronics and Industrial Automation”

(MIA)

(For teaching faculties from Department of Mechanical / Production / Automobile / Electrical/ Electronics and Plastic engineering of MSBTE approved Diploma level Institutes

(17th - 21st December 2018)

Sponsored and Approved by



**Maharashtra State Board of Technical
Education, Mumbai**

Organized by



**Department of Mechanical Engineering
Government Polytechnic, Nashik**

(An Academically Autonomous Institute of Govt. of Maharashtra)
Samangaon Road, Nashik Road, Nashik – 422 101.

Web: www.gpnashik.ac.in

About the Course

Due the ever-increasing demand from the business sector in automation, the job opportunities in Mechatronics are excellent. A further increase in demand is expected in the medium- and long-term as many classic products have to be upgraded from conventional manufacturing to automated manufacturing.

Today the development of technologies made it possible to introduce industry automation systems into almost all manufacturing fields. Industry automation of production processes enhances labor efficiency and allows cutting net cost and improving product quality. Moreover, it extends the equipment service life, saves consumables and raw materials, and improves production safety as a whole.

This course is aimed to impart training on the various aspects of Mechatronics and Industrial Automation to the faculty of Engineering so that they can impart the same to the diploma engineering students.

The programme will be state level and all the sessions will be conducted by the industrial delegates and expert academicians with the outcome based learning approach.

Objectives

- Identify the various elements of Mechatronics system such as sensors, actuators and PLC components
- Develop PLC program and make necessary hardware connections.
- Prepare/ draw PLC program using selected software.
- Design, assemble, and test basic pneumatic and electro-pneumatic circuits and basic PLC based control circuits
- Maintain and troubleshoot electro-pneumatic components and its basic control systems and basic PLC based control sequences.
- Identify various components of electro hydraulic and pneumatic circuit
- Interpret the construction, design features, and operation of pneumatic and electro-pneumatic circuit.

Resource Faculties

Resource personnel from reputed Industries and Academic Institutions

Eligibility

Teaching faculties from Department of Mechanical / Production / Automobile / Electrical/ Electronics and Plastic engineering of MSBTE approved Diploma level Institutes

Course Registration

- **Registration fees is Rs 500/- (Five Hundred only)**
- Registration fees should be paid in the form of DD, Drawn in favor of Principal, Government Polytechnic, Nashik, payable at Nashik
- TA/DA will be given by the MSBTE to outstation candidates only
- Last Date of Registration is 10th December 2018
- Completed scanned copies of registration form should be mailed to **shrikantgorane@gmail.com**.
- Intimation to selected candidate will be send by mail on 12th December 2018
- Entry is limited to 30 participants only

Accommodation

Accommodation will be provided by the Institution in campus at trainee hostel only. Outside staying will not be reimbursed.

Course Material

Each of the participants will be provided with a set of learning material in the CD format.

Address for Correspondence

Dr. Shrikant J. Gorane

Department of Mechanical Engineering,
Government, Polytechnic Nashik, 422101
Contact No. +91-9423476500
Email: shrikantgorane@gmail.com

REGISTRATION FORM

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Government Polytechnic, Nashik

Participant's Full Name: _____

Designation: _____

Qualification: _____

Specialization: _____

Organization: _____

Address: _____

Experience (Teaching/Industrial): _____

Contact No. _____

Email id: _____

Accommodation required: Yes No

Details of DD:

DD. No _____ Date _____

Name of Bank _____

Signature of Participant

This Application is recommended and forwarded.

Signature of Head of Institution with seal

Date: _____ Place: _____