



SANT SHIROMANI VAIDAS GLOBAL SKILLS PARK

(Department of Technical Education, Skill Development and Employment, Government of Madhya Pradesh)

Advanced Mechatronics (One year Course)



OVERVIEW -

Automated machines operate continuously in industries, excelling in accuracy and consistency. To keep the Industrial Automated Production Systems functional, Mechatronics professionals have the significant task to install, calibrate, troubleshoot, and maintain them. Mechatronics systems are mechanical systems that are controlled electronically and it is becoming an increasingly important discipline in today's digital society.

Mechatronics is the intersection of Mechanical, Electronics and Software Engineering and creates simpler, more economical, and reliable systems. This convergence is the very essence of "Industry 4.0" and the future of manufacturing and industry.

To cater the current National and International demand, SSR GSP is offering one year program in Advanced Mechatronics.

KEY FEATURES OF THE COURSE -

Competency based training module to develop work force to:

- Use modern Test and Measuring instruments
- Interpret Electrical, Electronics, Hydraulics and Pneumatics circuits.
- Configure, program, test and maintain Industrial Robotic system
- Identify and check system components like sensors, controllers, communication devices and actuators.
- Develop and Maintain pneumatic, hydraulic, motor controllers and electronics system.
- Perform functional checks of electrical control system, mechanical systems and machine
- Install, maintain, troubleshoot PLC controlled HMI based industrial automation systems

ENTRY REQUIRED* Diploma/Degree in Mechanical Engineering/ Electronics Engineering/ Electrical engineering

*Any equivalent Branch/Trade

GSP will provide job assistance to all the passouts

JOB OPPORTUNITIES AS

- » Mechatronics Engineer » Automation Engineer
- » Installation and Commissioning Engineer
- » Maintenance Engineer
- » Junior Engineer- Power Distribution System
- » Sales and Marketing (Mechatronics Systems)
- » Mechatronics Service Professionals

For admission process please see website

TRAINING FACILITIES -

- 1 HMI and PLC Training facilities
- 2 Pneumatic and Electro pneumatic systems
- 3 Hydraulic and Electro Hydraulic systems
- 4 Industrial Drives and Control System
- 5 Modern Test & Measuring Equipment
- 6 Industrial Robotics Technology
- 7 Sensors and Transducers
- 8 Application based Microcontroller Trainer system
- 9 Industrial Automated Production Training Models

ADMISSION

Contact for further information:

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🌐 Web: www.globalskillspark.in

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Scholarship facility under MMJKY or Postmetric scheme (SC/ST/OBC)