Two Days online National Workshop On Robotics and Control 16-17 May, 2020

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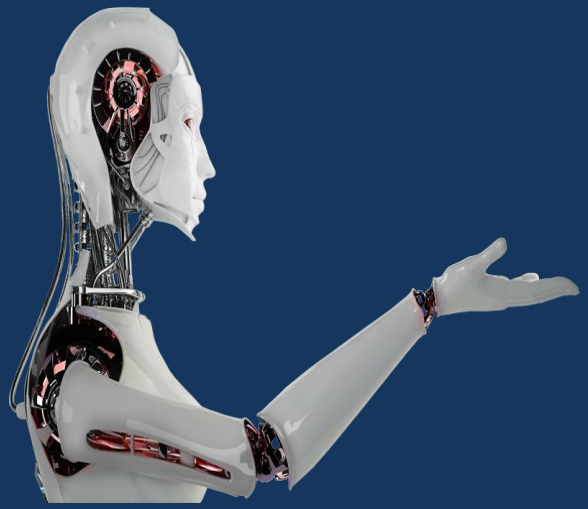

About the Institute

Madhav Institute of Technology & Science (MITS), Gwalior was established in 1957 by His Highness Sir Jiwaji Rao Scindia, Maharaja, of the erstwhile state of Gwalior under open door policy of Govt. of India. The institute is affiliated to RGPV, Bhopal but has academic autonomy since 2002 to run courses of its choice. Recently the institute has been granted autonomy by UGC, New Delhi for a period of 6 years w.e.f July 2017. The institute is also accredited by the National Assessment and Accreditation Council (NAAC) for 5 years from September 2017. Many of the programmes are accredited by the National Board of Accreditation (NBA).

About the Workshop

NASSCOM has identified nine Digital Technologies as Future Skills needed for not only IT industries but across all industry sectors due to the rapid pace of technological advancement. These include Data Analytics, Artificial Intelligence, Internet of Things, Cloud Computing, Cyber security, 3D Printing, Block Chain etc. It is, therefore, necessary to provide awareness and a deep understanding of all of these and hands-on experience and training on current popular job roles to the student to empower them with essential skills that prepare them for present and future jobs in a phased manner. The objective of this online workshop is to impart knowledge about design and analysis of the basic industrial robots.

- Robotics: History & Definition
- Basic of Feedback Control System
- Power Transmission element for robotics
- Serial and Parallel Manipulator
- Degree of Freedom
- Forward Kinematics of Robot
- Spatial Transformation and DH parameter
- Medical Robots
- Roboanalyzer Handson
- Embedded Systems for Robotics
- Arduino Programming for Robotics Sensors and Actuators.
- Nature Inspired Algorithms for robotic movements

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Registration and Contact

For registration Kindly go to
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