



माधव प्रौद्योगिकी एवं विज्ञान संस्थान, ग्वालियर
MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR
Deemed University

(Declared under Distinct Category by Ministry of Education, Government of India)

NAAC ACCREDITED WITH A++ Grade

Gola Ka Mandir, Gwalior (M.P.)- 474005, INDIA

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MITS

Department of Electrical Engineering

Honour Courses

Batch	Session	Code	Courses offered	Weeks	Credits	Mentors
VII-Sem 2018 Batch	July - December 2021	H130701	DC Microgrid and Control System	08 Weeks	3	Dr. Shishir Dixit Prof. Rahul Sagwal
		H130702	Design for internet of things	08 Weeks	3	Prof. Vishal Chaudhary Prof. Nipun Gupta
		H130703	Introduction to internet of things	12 Weeks	4	Dr. Vikram Prof. Bhavna Rathore
		H130704	Introduction to Industry 4.0 and Industrial Internet of Things	12 Weeks	4	Prof. Praveen Bansal Prof. Manoj Kumar
VIII- Sem 2018 Batch	Jan - June 2022	H130801	Machine Learning, ML	08 Weeks	3	Dr. Ankit Tiwari
		H130802	An Introduction to Artificial Intelligence	12 Weeks	4	Prof. Nipun Gupta
		H130803	Linear Dynamical Systems	08 Weeks	3	Prof. Ashis Patra
V-Sem 2019 Batch	July - December 2021	H130503	DC Microgrid and Control System	08 Weeks	3	Dr. Shishir Dixit Prof. Rahul Sagwal
		H130508	Design for internet of things	08 Weeks	3	Prof. Vishal Chaudhary Prof. Nipun Gupta
		H130509	Introduction to internet of things	12 Weeks	4	Dr. Vikram Prof. Bhavna Rathore
		H130510	Introduction to Industry 4.0 and Industrial Internet of Things	12 Weeks	4	Prof. Praveen Bansal Prof. Manoj Kumar
VI-Sem 2019 Batch	Jan - June 2022	H130610	Machine Learning, ML	08 Weeks	3	Dr. Ankit Tiwari
		H130611	An Introduction to Artificial Intelligence	12 Weeks	4	Prof. Nipun Gupta
		H130612	Computer Networks and Internet Protocol	12 Weeks	4	Prof. Rahul Sagwal
VII-Sem 2019 Batch	July- December 2022	H130705	Power System Analysis	12 Weeks	4	Prof. Vishal Chaudhary
		H130704	Introduction to Industry 4.0 and Industrial Internet of Things	12 Weeks	4	Prof. Praveen Bansal
		H130701	DC Microgrid and Control System	8 Weeks	3	Prof. Nikhil Paliwal
		H130706	Programming, Data Structures And Algorithms Using Python	8 Weeks	3	Prof. Nipun Gupta
		H130707	Introduction To Machine Learning	12 Weeks	4	Dr. Vikram
VIII- Sem 2019 Batch	Jan - June 2023	H130805	Sensors and Actuators	12 Weeks	4	Dr. Saurabh K Rajput
		H130806	Cloud Computing and Distributed Systems	08 Weeks	3	Dr. K.P. Singh
		H130807	Fuzzy Sets, Logic and Systems & Applications	12 Weeks	4	Dr. Vikram.
		H130808	Introduction To Soft Computing	08 Weeks	3	Dr. Murli Manohar
		H130809	Introduction to Embedded System Design	12 Weeks	4	Dr. Bhavna Rathore
		H130810	Data Base Management System	08 Weeks	3	Dr. Gaurav Khare

V-Sem 2020 Batch	July - December 2022	H130509	Introduction to internet of things	12 Weeks	4	Prof. BhavnaRathore
		H130510	Introduction to Industry 4.0 and Industrial Internet of Things	12 Weeks	4	Prof. Praveen Bansal
		H130506	Design of photovoltaic systems	12 Weeks	4	Prof. Saurabh K Rajput
		H130511	Introduction To Machine Learning	08 Weeks	3	Dr. Vikram.
		H130512	Programming, Data Structures And Algorithms Using Python	08 Weeks	3	Prof. Nipun Gupta
VI-Sem 2020 Batch	Jan - June 2023	H130607	Sensors and Actuators	12 Weeks	4	Dr. Saurabh K Rajput
		H130613	Introduction to Internet of Things	12 Weeks	4	Prof. Bhavna Rathore
		H130614	Fuzzy Sets, Logic and Systems & Applications	12 Weeks	4	Dr. Vikram.
		H130615	Introduction To Soft Computing	08 Weeks	3	Dr. Murli Manohar
		H130616	Introduction to Machine Learning	12 Weeks	4	Dr. Vikram.
		H130617	Introduction To Industry 4.0 And Industrial Internet Of Things	12 Weeks	4	Prof. Praveen Bansal
VII-Sem 2020 Batch	July- December 2023	H130708	Electrical Distribution System Analysis	08 Weeks	3	Dr. Vijay Bhuria
		H130709	Power System Protection	12 Weeks	4	Prof. Rakesh Narvey
		H130710	Power System Protection And Switchgear	08 Weeks	3	Dr. Nikhil Paliwal
		H130711	Semiconductor Devices And Circuits	12 Weeks	4	Prof.Praveen Bansal
		H130712	Microelectronics: Devices to Circuits	12 Weeks	4	Prof. Manoj
		H130713	Linear System Theory	12 Weeks	4	Prof. Vikram
		H130714	Transducers For Instrumentation	12 Weeks	4	Prof. Kuldeep K Swarnkar
VIII- Sem 2020 Batch	Jan - June 2024	H130811	Control System Design	12 Weeks	4	Prof. Ashis Patra
		H130807	Fuzzy Sets, Logic and Systems & Applications	12 Weeks	4	Dr. Vikram
		H130812	State space Approach to Control System Analysis and Design	12 Weeks	4	Dr. Vikram
		H130813	Smart Grid: Basics to Advanced Technologies	12 Weeks	4	Dr. Himmat Singh
		H130805	Sensors & Actuators	12 Weeks	4	Dr. Vijay Bhuria
		H130815	Digital Signal Processing and its Applications	12 Weeks	4	Dr. A. K. Wadhwani
		H130816	Signal Processing Techniques and its Applications	12 Weeks	4	Dr. Ankit Tiwari
		H130817	Microprocessors and Microcontrollers	12 Weeks	4	Prof. Kuldeep Swarnkar
V-Sem 2021 Batch	July - December 2023	H130513	Electrical Distribution System Analysis	08 Weeks	3	Dr. Vijay Bhuria
		H130514	Power System Protection	12 Weeks	4	Prof. Rakesh Narvey
		H130515	Power System Protection And Switchgear	08 Weeks	3	Dr. Nikhil Paliwal
		H130507	Semiconductor Devices And Circuits	12 Weeks	4	Prof.Praveen Bansal
		H130516	Microelectronics: Devices to Circuits	12 Weeks	4	Prof. Manoj
		H130502	Linear System Theory	12 Weeks	4	Prof. Vikram
		H130517	Transducers For Instrumentation	12 Weeks	4	Prof. Kuldeep K Swarnkar
VI-Sem 2021 Batch	Jan - June 2024	H130618	Microprocessors and Microcontrollers	12 Weeks	4	Prof Kuldeep Swarnkar
		H130603	Linear Dynamical Systems	12 Weeks	4	Dr. S Wadhwani
		H130614	Fuzzy Sets, Logic and Systems & Applications	12 Weeks	4	Dr. Vikram.
		H130619	Sensors and Actuators	12 Weeks	4	Prof. Rakesh Narvey
		H130620	Operation and Planning of Power Distribution Systems	12 Weeks	4	Prof. Poonam Singh
		H130621	Power System Engineering	12 Weeks	4	Dr. Shishir Dixit
		H130622	Introduction To Internet Of Things	12 Weeks	4	Dr. Vikram
VII-Sem 2021 Batch	July- December 2024	H130715	Advanced Linear Continuous Control Systems: Applications with MATLAB Programming and Simu	08 Weeks	3	Prof. Ashis Patra
		H130716	Electronic Systems Design: Hands-on Circuits and PCB Design with CAD Software	12 Weeks	4	Dr. Ankit Tiwari
		H130717	Power Electronics with Wide Band Gap Devices	12 Weeks	4	Prof. Manoj Kumar
		H130714	Introduction to Industry 4.0 and Industrial Internet of Things	12 Weeks	4	Dr. Vikram
		H130718	Smart Grid: Basics to Advanced Technologies	12 Weeks	4	Dr. Himmat Singh

Batch	2021	H130719	Design of Photovoltaic Systems	12 Weeks	4	Prof. Vishal Chaudhary
		H130720	Advances in UHV Transmission and Distribution	08 Weeks	3	Prof. Vishal Chaudhary
		H130714	Introduction to Industry 4.0 and Industrial Internet of Things	12 Weeks	4	Dr. Vikram
VIII- Sem 2021 Batch	Jan - June 2025	H130817	Microprocessors and Microcontrollers	12 Weeks	4	Prof. Kuldeep Swarnkar
		H130803	Linear Dynamical Systems	08 Weeks	3	Dr. Vikram
		H130818	Transducers for Instrumentation	12 Weeks	4	Prof Ashis Patra
		H130805	Sensors and Actuators	12 Weeks	4	Dr. A.K. Wadhvani
		H130819	Operation and Planning Of Power Distribution Systems	12 Weeks	4	Dr. Shishir Dixit
		H130820	Power System Engineering	12 Weeks	4	Dr. Vijay Bhuria
		H130821	Introduction To Internet Of Things	12 Weeks	4	Dr. Yashwant Sawle
		H130813	Smart Grid: Basics to Advanced Technologies	12 Weeks	4	Dr. Himmat Singh
		H130822	Non-conventional energy Resources	12 Weeks	4	Dr. Nikhil Paliwal
		H130808	Introduction To Soft Computing	08 Weeks	3	Dr. Vikram
		H130814	Introduction To Industry 4.0 And Industrial Internet Of Things	12 Weeks	4	Dr. Ankit Tiwari
V-Sem 2022 Batch	July - December 2024	H130518	Advanced Linear Continuous Control Systems: Applications with MATLAB Programming and Simu	08 Weeks	3	Prof. Ashis Patra
		H130519	Electronic Systems Design: Hands-on Circuits and PCB Design with CAD Software	12 Weeks	4	Dr. Ankit Tiwari
		H130520	Power Electronics with Wide Band Gap DevicesPower Electronics with Wide Band Gap Devices	12 Weeks	4	Prof. Manoj Kumar
		H130510	Introduction to Industry 4.0 and Industrial Internet of Things	12 Weeks	4	Dr. Vikram
		H130521	Smart Grid: Basics to Advanced TechnologiesSmart Grid: Basics to Advanced Technologies	12 Weeks	4	Dr. Himmat Singh
		H130506	Design of Photovoltaic SystemsDesign of Photovoltaic SystemsDesign of Photovoltaic Systems	12 Weeks	4	Prof. Vishal Chaudhary
		H130522	Advances in UHV Transmission and DistributionAdvances in UHV Transmission and Distribution	08 Weeks	3	Prof. Vishal Chaudhary
VI-Sem 2022 Batch	Jan - June 2025	H130510	Introduction to Industry 4.0 and Industrial Internet of Things	12 Weeks	4	Dr. Vikram
		H130603	Linear Dynamical Systems	08 Weeks	3	Prof Ashis Patra
		H130614	Fuzzy Sets, Logic and Systems & Applications	12 Weeks	4	Dr. Vikram
		H130619	Sensors and Actuators	12 Weeks	4	Dr. A.K. Wadhvani
		H130620	Operation and Planning Of Power Distribution Systems	12 Weeks	4	Dr. Shishir Dixit
		H130621	Power System Engineering	12 Weeks	4	Dr. Vijay Bhuria
		H130622	Introduction To Internet of Things	12 Weeks	4	Dr. Vikram