

MADHAV INSTITUTE OF TECHNOLOGY AND SCIENCE, GWALIOR
(A Govt. Aided UGC Autonomous & NAAC Accredited Institute Affiliated to RGPV, Bhopal)

**List of offered Elective/Honor/Minor/Self study courses for
UG III,V and VII semester for session July-Dec 2021**

Name of Department	Category	<u>S.No.</u>	Full Name of Course	Weeks
Electronics Engineering	Honor Specialization (V Sem)	1	Solid State Physics	8
		2	Cloud Computing	8
		3	Solar Photovoltaics Fundamentals, Technology and Applications	8
	Minor Specilization (V Sem)	1	Semiconductor Devices and Circuits	12
		2	Digital Circuits	12
		3	Analog Communication	12
	Honor Specialization (VII Sem)	1	Microelectronics: Devices to Circuits	12
		2	Data Science for Engineers	8
		3	Design of photovoltaic systems	12
	Minor Specialization (VII Sem)	1	Microwave Engineering	12
		2	Image Signal Processing	12
		3	Control Engineering	12

**List of offered Elective/Honor/Minor/Self study courses for
UG III,V and VII semester for session Jan-June 2022**

Electronics Engineering	Honor Specialization (VIII Sem)	1	Architectural Design of Digital Integrated Circuits	12
		2	Cloud Computing and Distributed Systems	8
		3	Biomedical Signal Processing	12
	Minor Specilization (VIII Sem)	1	Microwave Integrated Circuits	8
		2	Digital Signal Processing and its Applications	12
		3	Computer Vision and Image Processing - Fundamentals and Applications	12
	Honor Specialization (VI Sem)	1	Electromagnetic Waves in Guided and Wireless Media	8
		2	Integrated Circuits, MOSFETs, Op-Amps and their Application	12
		3	High Power multilevel converter	12
	Minor Specialization (VI Sem)	1	Integrated Circuits, MOSFETs, Op-Amps and their Application	12
		2	High Power multilevel converter	12
		3		