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
	Honor Specialization (V Sem)	1	Solid State Physics	8
		2	Cloud Computing	8
		3	Solar Photovoltaics Fundamentals, Technology and Applications	8
	Minor Specilization	1	Semiconductor Devices and Circuits	12
	(V Sem)	2	Digital Circuits	12
Electronics		3	Analog Communication	12
Ingineering	Honor Specialization (VII Sem)	1	Microelectronics: Devices to Circuits	12
5 5		2	Data Science for Engineers	8
		3	Design of photovoltaic systems	12
	Minor Specialization		Microwave Engineering	12
	(VII Sem)	2	Image Signal Processing	12
		3	Control Engineering	12
	Honor Specialization		Solid State Physics	8
	(V Sem)	2	Cloud Computing	8
		3	Solar Photovoltaics Fundamentals, Technology and Applications	8
	Minor Specilization	1	Semiconductor Devices and Circuits	12
Electronics and	(V Sem)	2 Digital Circuits	Digital Circuits	12
Tolocommunication		3	Analog Communication	12
	Honor Specialization (VII Sem)		Microelectronics: Devices to Circuits	12
		2	Data Science for Engineers	8
		3	Design of photovoltaic systems	12

	Minor Specialization	1	Microwave Engineering	12
	(VII Sem)	2	Image Signal Processing	12
		3	Control Engineering	12
List c	of offered Electiv	ve/He	onor/Minor/Self study courses for	
U	G III.V and VII se	emes	ster for session Jan-June 2022	
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	Honor	1	Architectural Design of Digital Integrated Circuits	12
	Specialization	2	Cloud Computing and Distributed Systems	8
	(VIII Sem)	3	Biomedical Signal Processing	12
	Minor	1	Microwave Integrated Circuits	8
	Specilization	2	Digital Signal Processing and its Applications Computer Vision and Image Processing - Fundamentals and	12
Electronics	(VIII Sem)	3	Computer Vision and Image Processing - Fundamentals and Applications	12
Engineering	Honor	1	Electromagnetic Waves in Guided and Wireless Media	8
6 6	Specialization	2	Integrated Circuits, MOSFETs, Op-Amps and their Application	12
	(VI Sem)	3	High Power multilevel converter	12
	Minor	1	Integrated Circuits, MOSFETs, Op-Amps and their Application	12
	Specialization	2	High Power multilevel converter	12
	(VI Sem)	3		
	Honor	1	Architectural Design of Digital Integrated Circuits	12
	Specialization	2	Cloud Computing and Distributed Systems	8
	(VIII Sem)	3	Biomedical Signal Processing	12
	Minor	1	Microwave Integrated Circuits	8
Electronics and	Specilization	2	Digital Signal Processing and its Applications	12
Telecommunication	(VIII Sem)	3	Applications	12
	Honor	1	Electromagnetic Waves in Guided and Wireless Media	8
Engineering	Specialization	2	Integrated Circuits, MOSFETs, Op-Amps and their Application	12
	(VIII Sem)	3	High Power multilevel converter	12

Minor	1	Integrated Circuits, MOSFETs, Op-Amps and their Application	12
Specialization	2	High Power multilevel converter	12
(VIII Sem)	3		