

**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 2022**

Name of Department	Category	Domain	S.No.	Full Name of Course	Weeks	
<b>Electronics Engineering</b>	Honor Specialization (V Sem)	Communication and Signal Processing	1	Principles and Techniques of Modern Radar Systems	12	
			2	Signal Processing for mm Wave communication for 5G and beyond	12	
		VLSI Design	1	Hardware modeling using Verilog	8	
			2	System Design Through VERILOG	8	
	Minor Specilization (V Sem)	Control & Sensor Technology	1	Analog Electronic Circuit	12	
			2	Control Systems	12	
		Communication and Signal Processing	1	Introduction to Wireless and Cellular Communications	12	
			2	Principles and Techniques of Modern Radar Systems	12	
	Honor Specialization (VII Sem)		1	Data Science for Engineers	8	
			2	Design of Photovoltaic Systems	12	
	Minor Specialization (VII Sem)		1	Microwave Engineering	12	
			2	Control Engineering	12	
	<b>Electronics Engineering</b>	Honor Specialization (V Sem)	Communication and Signal Processing	1	Principles and Techniques of Modern Radar Systems	12
				2	Signal Processing for mm Wave communication for 5G and beyond	12
VLSI Design			1	Hardware modeling using Verilog	8	
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Honor Specialization (VII Sem)			1	Data Science for Engineers	8	
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Minor Specialization (VII Sem)			1	Microwave Engineering	12	
			2	Control Engineering	12	