

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
Electronics Engineering	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