

**MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR**  
Deemed University

**List of offered Department Elective/Open Category/Minor courses for UG VI and VIII semester for session Jan-June 2025**

Name of Department	Category	S.No.	Full Name of Course	Weeks	Start Date	End Date	Exam Date	Mentor of our Institute	Link of course from SWAYAM	
<b>Electronics Engg.</b>	DE-1 (VII Semester) online	1	Electromagnetic Waves in Guided and Wireless Me	8	January 20, 2025	March 14, 2025		Dr. J.Suji		
		2	Digital IC Design	12	January 20, 2025	April 11, 2025		Dr. Vikas Mahor		
		3	Fuzzy sets, logic and System & Applications	12	January 20, 2025	April 11, 2025		Dr. Hemant Choubey		
	DE-5 (VIII Semester) online	1	Photonic integrated circuit	12	January 20, 2025	April 11, 2025		Dr. Hemant Choubey		
		2	Fundamental of Power Electronics	12	January 20, 2025	April 11, 2025		Dr. Varun Sharma		
		3	Biomedical Signal Processing	12	January 20, 2025	April 11, 2025		Dr. Shubhi Kansal		
	Honor Specialization (VI Semester) online	<b>Name of Track 01: Communication and Signal Processing</b>								
		1	Electromagnetic waves in guided and wireless	8	January 20, 2025	March 14, 2025	March 22, 2025		Dr. Dablu Kumar	<a href="https://onlinecourses.nptel.ac.in/noc25_ee28/preview">https://onlinecourses.nptel.ac.in/noc25_ee28/preview</a>
		2	Communication Networks (H140606/H200606)	12	January 20, 2025	April 11, 2025	April 27, 2025		Dr. Varun Sharma	<a href="https://onlinecourses.nptel.ac.in/noc25_ee53/preview">https://onlinecourses.nptel.ac.in/noc25_ee53/preview</a>
		<b>Name of Track 02: VLSI Design</b>								
		1	Analog IC design (H140607/H200607)	12	January 20, 2025	April 11, 2025	April 27, 2025		Dr. Deepak Batham	<a href="https://onlinecourses.nptel.ac.in/noc25_ee06/preview">https://onlinecourses.nptel.ac.in/noc25_ee06/preview</a>
		2	Integrated Circuits, MOSFETs, OP-Amps and their	12	January 20, 2025	April 11, 2025	April 27, 2025		Dr. Vikas Mahor	<a href="https://onlinecourses.nptel.ac.in/noc25_ee44/preview">https://onlinecourses.nptel.ac.in/noc25_ee44/preview</a>
	Honor Specialization (VIII Semester) online	<b>Name of Track 01: Communication and Signal Processing</b>								
		1	An Introduction to Information Theory	8	January 20, 2025	March 14, 2025	March 23, 2025		Prof. Pooja Sahoo	<a href="https://onlinecourses.nptel.ac.in/noc25_ee03/preview">https://onlinecourses.nptel.ac.in/noc25_ee03/preview</a>
		2	Discrete Time Signal Processing	8	January 20, 2025	March 14, 2025	March 22, 2025		Dr. Karuna Markam	<a href="https://onlinecourses.nptel.ac.in/noc25_ee26/preview">https://onlinecourses.nptel.ac.in/noc25_ee26/preview</a>
<b>Name of Track 02: VLSI Design</b>										
1		Digital VLSI Testing (H140809/H200809)	12	January 20, 2025	April 11, 2025	April 27, 2025		Dr. Himanshu Singh	<a href="https://onlinecourses.nptel.ac.in/noc25_ee25/preview">https://onlinecourses.nptel.ac.in/noc25_ee25/preview</a>	
2		Integrated Circuits, MOSFETs, OP-Amps and their	12	January 20, 2025	April 11, 2025	April 27, 2025		Dr. Vikas Mahor	<a href="https://onlinecourses.nptel.ac.in/noc25_ee44/preview">https://onlinecourses.nptel.ac.in/noc25_ee44/preview</a>	
<b>Electronics &amp; Telecommunication Engg.</b>	DE-1 (VII Semester) online	1	An Introduction to Information Theory	8	January 20, 2025	March 14, 2025		Prof. Pooja Sahoo		
		2	Fuzzy sets, logic and System & Applications	12	January 20, 2025	April 11, 2025		Dr. Hemant Choubey		
		3	Digital IC Design	12	January 20, 2025	April 11, 2025		Dr. Vikas Mahor		
	DE-5 (VIII Semester) online	1	Fundamental of Power Electronics	12	January 20, 2025	April 11, 2025		Dr. Varun Sharma		
		2	Biomedical Signal Processing	12	January 20, 2025	April 11, 2025		Dr. Shubhi Kansal		
		3	Power Management Integrated circuit	12	January 20, 2025	April 11, 2025		Dr. Vikas Mahor		
	Honor Specialization (VI Semester) online	<b>Name of Track 01: Communication and Signal Processing</b>								
		1	Electromagnetic waves in guided and wireless	8	January 20, 2025	March 14, 2025	March 22, 2025		Dr. Dablu Kumar	<a href="https://onlinecourses.nptel.ac.in/noc25_ee28/preview">https://onlinecourses.nptel.ac.in/noc25_ee28/preview</a>
		2	Communication Networks (H140606/H200606)	12	January 20, 2025	April 11, 2025	April 27, 2025		Dr. Varun Sharma	<a href="https://onlinecourses.nptel.ac.in/noc25_ee53/preview">https://onlinecourses.nptel.ac.in/noc25_ee53/preview</a>
		<b>Name of Track 02: VLSI Design</b>								
		1	Analog IC design (H140607/H200607)	12	January 20, 2025	April 11, 2025	April 27, 2025		Dr. Deepak Batham	<a href="https://onlinecourses.nptel.ac.in/noc25_ee06/preview">https://onlinecourses.nptel.ac.in/noc25_ee06/preview</a>
		2	Integrated Circuits, MOSFETs, OP-Amps and their	12	January 20, 2025	April 11, 2025	April 27, 2025		Dr. Vikas Mahor	<a href="https://onlinecourses.nptel.ac.in/noc25_ee44/preview">https://onlinecourses.nptel.ac.in/noc25_ee44/preview</a>
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2		Integrated Circuits, MOSFETs, OP-Amps and their	12	January 20, 2025	April 11, 2025	April 27, 2025		Dr. Vikas Mahor	<a href="https://onlinecourses.nptel.ac.in/noc25_ee44/preview">https://onlinecourses.nptel.ac.in/noc25_ee44/preview</a>	