

**माधव प्रौद्योगिकी एवं विज्ञान संस्थान, ग्वालियर (म.प्र.), भारत**  
**MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR (M.P.), INDIA**  
**Deemed University**  
**(Declared under Distinct Category by Ministry of Education, Government of India)**  
**NAAC ACCREDITED WITH A++ GRADE**

**List of offered Department Elective/Honor/Minor/Self study courses offered in V and VII semester for session July-Dec 2024**

Name of Department	Category	S.No.	Full Name of Course	Weeks	Course Start Date	Course End Date	Exam Date	Mentor from our Institute	URL Link (Swayam Portal)
Electronics Engineering	Honor Specialization (V Sem)	Track : 01							
		1	Principles and Techniques of Modern Radar Systems	12	22-07-2024	11-10-2024	26-10-2024	Prof Madhav Singh	<a href="https://onlinecourses.nptel.ac.in/noc24_ee104/preview">https://onlinecourses.nptel.ac.in/noc24_ee104/preview</a>
		Track : 02							
		1	Digital VLSI Testing	8	22-07-2024	11-10-2024	02-11-2024	Dr. Varun Sharma	<a href="https://onlinecourses.nptel.ac.in/noc24_ee134/preview?user_email=parsediyadeep@mitsgwalior.in">https://onlinecourses.nptel.ac.in/noc24_ee134/preview?user_email=parsediyadeep@mitsgwalior.in</a>
	Minor Specilization (V Sem)	1	Control System	12	22-07-2024	11-10-2024	02-11-2024	Dr. R P Narwaria	<a href="https://onlinecourses.nptel.ac.in/noc24_de18/preview?user_email=parsediyadeep@mitsgwalior.in">https://onlinecourses.nptel.ac.in/noc24_de18/preview?user_email=parsediyadeep@mitsgwalior.in</a>
		2	Fundamental of Wireless Communications	8	22-07-2024	13-09-2024	21-09-2024	Prof Madhav Singh	<a href="https://onlinecourses.nptel.ac.in/noc24_ee82/preview?user_email=parsediyadeep@mitsgwalior.in">https://onlinecourses.nptel.ac.in/noc24_ee82/preview?user_email=parsediyadeep@mitsgwalior.in</a>
	Honor Specialization (VII Sem)	Track : 01							
		1	Introduction To Adaptive Signal Processing	8	19-08-2024	11-10-2024	26-10-2024	Dr. Rahul Dubey	<a href="https://onlinecourses.nptel.ac.in/noc24_ee149/preview?user_email=parsediyadeep@mitsgwalior.in">https://onlinecourses.nptel.ac.in/noc24_ee149/preview?user_email=parsediyadeep@mitsgwalior.in</a>
		Track : 02							
	Minor Specilization (VII Sem)	1	VLSI Interconnects	8	22-07-2024	13-09-2024	21-09-2024	Dr. Vikas Mahor	<a href="https://onlinecourses.nptel.ac.in/noc24_ee93/preview?user_email=parsediyadeep@mitsgwalior.in">https://onlinecourses.nptel.ac.in/noc24_ee93/preview?user_email=parsediyadeep@mitsgwalior.in</a>
		1	Microwave Engineering	12	22-07-2024	11-10-2024	27-10-2024	Dr. D. K. Parsediya	<a href="https://onlinecourses.nptel.ac.in/noc24_ee115/preview?user_email=parsediyadeep@mitsgwalior.in">https://onlinecourses.nptel.ac.in/noc24_ee115/preview?user_email=parsediyadeep@mitsgwalior.in</a>
	DE-3 (VII SEM) Online	2	Design of Photovoltaic Systems	12	22-07-2024	11-10-2024	27-10-2024	Prof. Pooj Sahoo	<a href="https://onlinecourses.nptel.ac.in/noc24_ee109/preview?user_email=parsediyadeep@mitsgwalior.in">https://onlinecourses.nptel.ac.in/noc24_ee109/preview?user_email=parsediyadeep@mitsgwalior.in</a>
		1	Digital Image Processing	12	22-07-2024	11-10-2024	03-11-2024	Prof. Pooja Sahoo	<a href="https://onlinecourses.nptel.ac.in/noc24_ee133/preview?user_email=parsediyadeep@mitsgwalior.in">https://onlinecourses.nptel.ac.in/noc24_ee133/preview?user_email=parsediyadeep@mitsgwalior.in</a>
	DE-4 (VII SEM) Online	2	Microwave Engineering	12	22-07-2024	11-10-2024	27-10-2024	Prof. D. K. Parsediya	<a href="https://onlinecourses.nptel.ac.in/noc24_ee115/preview?user_email=parsediyadeep@mitsgwalior.in">https://onlinecourses.nptel.ac.in/noc24_ee115/preview?user_email=parsediyadeep@mitsgwalior.in</a>
		3	Analysis and Design Principles of Microwave Antennas	8	19-08-2024	11-10-2024	27-10-2024	Dr. Varun Sharma	<a href="https://onlinecourses.nptel.ac.in/noc24_ee150/preview?user_email=parsediyadeep@mitsgwalior.in">https://onlinecourses.nptel.ac.in/noc24_ee150/preview?user_email=parsediyadeep@mitsgwalior.in</a>
		1	Fundamental of Wireless Communication	8	22-07-2024	13-09-2024	21-09-2024	Prof. Madhav Singh	<a href="https://onlinecourses.nptel.ac.in/noc24_ee82/preview?user_email=parsediyadeep@mitsgwalior.in">https://onlinecourses.nptel.ac.in/noc24_ee82/preview?user_email=parsediyadeep@mitsgwalior.in</a>
DE-4 (VII SEM) Online	2	Fiber Optic Communication Technology	12	22-07-2024	11-10-2024	02-11-2024	Dr. R. P. Narwaria	<a href="https://onlinecourses.nptel.ac.in/noc24_ee131/preview?user_email=parsediyadeep@mitsgwalior.in">https://onlinecourses.nptel.ac.in/noc24_ee131/preview?user_email=parsediyadeep@mitsgwalior.in</a>	
	3	Real Time Digital Signal Processing	12	22-07-2024	11-10-2024	02-11-2024	Dr. Rahul Dubey	<a href="https://onlinecourses.nptel.ac.in/noc24_ee136/preview?user_email=parsediyadeep@mitsgwalior.in">https://onlinecourses.nptel.ac.in/noc24_ee136/preview?user_email=parsediyadeep@mitsgwalior.in</a>	
Electronics and Telecommunication	Honor Specialization (V Sem)	Track : 01							
		1	Principles and Techniques of Modern Radar Systems	12	22-07-2024	11-10-2024	26-10-2024	Prof Madhav Singh	<a href="https://onlinecourses.nptel.ac.in/noc24_ee104/preview">https://onlinecourses.nptel.ac.in/noc24_ee104/preview</a>
		Track : 02							
		1	Digital VLSI Testing	8	22-07-2024	11-10-2024	02-11-2024	Dr. Varun Sharma	<a href="https://onlinecourses.nptel.ac.in/noc24_ee134/preview?user_email=parsediyadeep@mitsgwalior.in">https://onlinecourses.nptel.ac.in/noc24_ee134/preview?user_email=parsediyadeep@mitsgwalior.in</a>
	Minor Specilization (V Sem)	1	Control System	12	22-07-2024	11-10-2024	02-11-2024	Dr. R P Narwaria	<a href="https://onlinecourses.nptel.ac.in/noc24_de18/preview?user_email=parsediyadeep@mitsgwalior.in">https://onlinecourses.nptel.ac.in/noc24_de18/preview?user_email=parsediyadeep@mitsgwalior.in</a>
		2	Fundamental of Wireless Communications	8	22-07-2024	13-09-2024	21-09-2024	Prof Madhav Singh	<a href="https://onlinecourses.nptel.ac.in/noc24_ee82/preview?user_email=parsediyadeep@mitsgwalior.in">https://onlinecourses.nptel.ac.in/noc24_ee82/preview?user_email=parsediyadeep@mitsgwalior.in</a>
	Honor Specialization (VII Sem)	Track : 01							
		1	Introduction To Adaptive Signal Processing	8	19-08-2024	11-10-2024	26-10-2024	Dr. Rahul Dubey	<a href="https://onlinecourses.nptel.ac.in/noc24_ee149/preview?user_email=parsediyadeep@mitsgwalior.in">https://onlinecourses.nptel.ac.in/noc24_ee149/preview?user_email=parsediyadeep@mitsgwalior.in</a>
Track : 02									

<b>Telecommunication Engineering</b>	<b>Minor Specialization (VII Sem)</b>	1	VLSI Interconnects	8	22-07-2024	13-09-2024	21-09-2024	Dr. Vikas Mahor	<a href="https://onlinecourses.nptel.ac.in/noc24_ee93/preview?user_email=parsediyadeep@mitsgwalior.in">https://onlinecourses.nptel.ac.in/noc24_ee93/preview?user_email=parsediyadeep@mitsgwalior.in</a>	
		1	Microwave Engineering	12	22-07-2024	11-10-2024	27-10-2024	Dr. D. K. Parsediya	<a href="https://onlinecourses.nptel.ac.in/noc24_ee115/preview?user_email=parsediyadeep@mitsgwalior.in">https://onlinecourses.nptel.ac.in/noc24_ee115/preview?user_email=parsediyadeep@mitsgwalior.in</a>	
		2	Design of Photovoltaic Systems	12	22-07-2024	11-10-2024	27-10-2024	Prof. Pooj Sahoo	<a href="https://onlinecourses.nptel.ac.in/noc24_ee109/preview?user_email=parsediyadeep@mitsgwalior.in">https://onlinecourses.nptel.ac.in/noc24_ee109/preview?user_email=parsediyadeep@mitsgwalior.in</a>	
	<b>DE-3 (VII SEM) Online</b>	1	Microwave Engineering	12	22-07-2024	11-10-2024	27-10-2024	Dr. D. K. Parsediya	<a href="https://onlinecourses.nptel.ac.in/noc24_ee115/preview?user_email=parsediyadeep@mitsgwalior.in">https://onlinecourses.nptel.ac.in/noc24_ee115/preview?user_email=parsediyadeep@mitsgwalior.in</a>	
		2	An Introduction to Coding Theory	8	22-07-2024	13-09-2024	22-09-2024	Dr. Karuna Markam	<a href="https://onlinecourses.nptel.ac.in/noc24_ee95/preview?user_email=parsediyadeep@mitsgwalior.in">https://onlinecourses.nptel.ac.in/noc24_ee95/preview?user_email=parsediyadeep@mitsgwalior.in</a>	
		3	Fundamentals of Nano and Quantum Photonics	12	22-07-2024	11-10-2024	27-10-2024	Dr.Shubhi Kansal	<a href="https://onlinecourses.nptel.ac.in/noc24_ee114/preview?user_email=parsediyadeep@mitsgwalior.in">https://onlinecourses.nptel.ac.in/noc24_ee114/preview?user_email=parsediyadeep@mitsgwalior.in</a>	
	<b>DE-4 (VII SEM) Online</b>	1	Fiber Optic Communication Technology	12	22-07-2024	11-10-2024	02-11-2024	Dr. R. P. Narwaria	<a href="https://onlinecourses.nptel.ac.in/noc24_ee131/preview?user_email=parsediyadeep@mitsgwalior.in">https://onlinecourses.nptel.ac.in/noc24_ee131/preview?user_email=parsediyadeep@mitsgwalior.in</a>	
		2	Pattern Recognition and Applications	12	22-07-2024	11-10-2024	27-10-2024	Dr. Hemant Choubey	<a href="https://onlinecourses.nptel.ac.in/noc24_ee118/preview?user_email=parsediyadeep@mitsgwalior.in">https://onlinecourses.nptel.ac.in/noc24_ee118/preview?user_email=parsediyadeep@mitsgwalior.in</a>	
		3	Simulation of Communication Systems using MATLAB	12	22-07-2024	11-10-2024	02-11-2024	Dr Deepak Batham	<a href="https://onlinecourses.nptel.ac.in/noc24_ee132/preview?user_email=parsediyadeep@mitsgwalior.in">https://onlinecourses.nptel.ac.in/noc24_ee132/preview?user_email=parsediyadeep@mitsgwalior.in</a>	
<b>Mechanical Engineering</b>	<b>Honor Specialization (V Sem)</b>	<b>Track : 01</b>								
		1	Introduction To Composites	12	22-Jul-24	11-Oct-24	03-Nov-24	Prof Vaibhav Shivhare	<a href="https://onlinecourses.nptel.ac.in/noc24_me129/preview">https://onlinecourses.nptel.ac.in/noc24_me129/preview</a>	
		2	Solid Mechanics	12	22-Jul-24	11-Oct-24	27-Oct-24	Dr Jyoti Vimal	<a href="https://onlinecourses.nptel.ac.in/noc24_me97/preview">https://onlinecourses.nptel.ac.in/noc24_me97/preview</a>	
		3	Advanced Materials and Processes	12	22-Jul-24	11-Oct-24	03-Nov-24	Dr S,K Chourasiya	<a href="https://onlinecourses.nptel.ac.in/noc24_mm42/preview">https://onlinecourses.nptel.ac.in/noc24_mm42/preview</a>	
		4	Engineering Fracture Mechanics	12	22-Jul-24	11-Oct-24	02-Nov-24	Dr Nitin Upadhyay	<a href="https://onlinecourses.nptel.ac.in/noc24_me113/preview">https://onlinecourses.nptel.ac.in/noc24_me113/preview</a>	
		<b>Track : 02</b>								
		1	Power Plant Engineering	8	22-Jul-24	13-Sep-24	22-Sep-24	Prof B.K Pandey	<a href="https://onlinecourses.nptel.ac.in/noc24_me89/preview">https://onlinecourses.nptel.ac.in/noc24_me89/preview</a>	
		2	Advanced thermodynamics and combustion	12	22-Jul-24	11-Oct-24	03-Nov-24	Prof Sharad Agarwal	<a href="https://onlinecourses.nptel.ac.in/noc24_me135/preview">https://onlinecourses.nptel.ac.in/noc24_me135/preview</a>	
		3	Fundamentals of Convective Heat Transfer	12	22-Jul-24	11-Oct-24	02-Nov-24	Prof B.K Pandey	<a href="https://onlinecourses.nptel.ac.in/noc24_me119/preview">https://onlinecourses.nptel.ac.in/noc24_me119/preview</a>	
		4	Applied Computational Fluid Dynamics	12	22-Jul-24	11-Oct-24	02-Nov-24	Dr M.K gaur	<a href="https://onlinecourses.nptel.ac.in/noc24_ae23/preview">https://onlinecourses.nptel.ac.in/noc24_ae23/preview</a>	
		<b>Track : 03</b>								
		1	Fundamentals of manufacturing processes	12	22-Jul-24	11-Oct-24	03-Nov-24	Prof vedansh Chaturvedi	<a href="https://onlinecourses.nptel.ac.in/noc24_me123/preview">https://onlinecourses.nptel.ac.in/noc24_me123/preview</a>	
	2	Rapid Manufacturing	12	22-Jul-24	11-Oct-24	02-Nov-24	Dr Amit Aherwar	<a href="https://onlinecourses.nptel.ac.in/noc24_me115/preview">https://onlinecourses.nptel.ac.in/noc24_me115/preview</a>		
	3	Fundamentals of Additive Manufacturing Technologies	12	22-Jul-24	11-Oct-24	03-Nov-24	Dr Gavendra Norkey	<a href="https://onlinecourses.nptel.ac.in/noc24_me138/preview">https://onlinecourses.nptel.ac.in/noc24_me138/preview</a>		
	4	Automation in Manufacturing	12	22-Jul-24	11-Oct-24	03-Nov-24	Prof vedansh Chaturvedi	<a href="https://onlinecourses.nptel.ac.in/noc24_me139/preview">https://onlinecourses.nptel.ac.in/noc24_me139/preview</a>		
	<b>Minor Specialization (V Sem)</b>	1	Materials Processing (Casting, Forming and Welding)	12	22-Jul-24	11-Oct-24	27-Oct-24	Dr M.K Sagar	<a href="https://onlinecourses.nptel.ac.in/noc24_me108/preview">https://onlinecourses.nptel.ac.in/noc24_me108/preview</a>	
		2	Fluid Mechanics	12	22-Jul-24	11-Oct-24	26-Oct-24	Dr Jyoti Vimal	<a href="https://onlinecourses.nptel.ac.in/noc24_ce78/preview">https://onlinecourses.nptel.ac.in/noc24_ce78/preview</a>	
		3								
		4								
		5								
<b>Mechanical Engineering</b>	<b>Track : 01</b>									
	1	Introduction To Composites	12	22-Jul-24	11-Oct-24	03-Nov-24	Prof Vaibhav Shivhare	<a href="https://onlinecourses.nptel.ac.in/noc24_me129/preview">https://onlinecourses.nptel.ac.in/noc24_me129/preview</a>		
	2	Solid Mechanics	12	22-Jul-24	11-Oct-24	27-Oct-24	Dr Jyoti Vimal	<a href="https://onlinecourses.nptel.ac.in/noc24_me97/preview">https://onlinecourses.nptel.ac.in/noc24_me97/preview</a>		
	3	Advanced Materials and Processes	12	22-Jul-24	11-Oct-24	03-Nov-24	Dr S,K Chourasiya	<a href="https://onlinecourses.nptel.ac.in/noc24_mm42/preview">https://onlinecourses.nptel.ac.in/noc24_mm42/preview</a>		
	4	Engineering Fracture Mechanics	12	22-Jul-24	11-Oct-24	02-Nov-24	Dr Nitin Upadhyay	<a href="https://onlinecourses.nptel.ac.in/noc24_me113/preview">https://onlinecourses.nptel.ac.in/noc24_me113/preview</a>		

	<b>Honor Specialization (VII Sem)</b>	<b>Track : 02</b>							
		1	Power Plant Engineering	8	22-Jul-24	13-Sep-24	22-Sep-24	Prof B.K Pandey	<a href="https://onlinecourses.nptel.ac.in/noc24_me89/preview">https://onlinecourses.nptel.ac.in/noc24_me89/preview</a>
		2	Advanced thermodynamics and combustion	12	22-Jul-24	11-Oct-24	03-Nov-24	Prof Sharad Agarwal	<a href="https://onlinecourses.nptel.ac.in/noc24_me135/preview">https://onlinecourses.nptel.ac.in/noc24_me135/preview</a>
		3	Fundamentals of Convective Heat Transfer	12	22-Jul-24	11-Oct-24	02-Nov-24	Prof B.K Pandey	<a href="https://onlinecourses.nptel.ac.in/noc24_me119/preview">https://onlinecourses.nptel.ac.in/noc24_me119/preview</a>
		4	Applied Computational Fluid Dynamics	12	22-Jul-24	11-Oct-24	02-Nov-24	Dr M.K gaur	<a href="https://onlinecourses.nptel.ac.in/noc24_ae23/preview">https://onlinecourses.nptel.ac.in/noc24_ae23/preview</a>
		<b>Track : 03</b>							
		1	Fundamentals of manufacturing processes	12	22-Jul-24	11-Oct-24	03-Nov-24	Prof vedansh Chaturvedi	<a href="https://onlinecourses.nptel.ac.in/noc24_me123/preview">https://onlinecourses.nptel.ac.in/noc24_me123/preview</a>
		2	Rapid Manufacturing	12	22-Jul-24	11-Oct-24	02-Nov-24	Dr Amit Aherwar	<a href="https://onlinecourses.nptel.ac.in/noc24_me115/preview">https://onlinecourses.nptel.ac.in/noc24_me115/preview</a>
	3	Fundamentals of Additive Manufacturing Technologies	12	22-Jul-24	11-Oct-24	03-Nov-24	Dr Gavendra Norkey	<a href="https://onlinecourses.nptel.ac.in/noc24_me138/preview">https://onlinecourses.nptel.ac.in/noc24_me138/preview</a>	
	4	Automation in Manufacturing	12	22-Jul-24	11-Oct-24	03-Nov-24	Prof vedansh Chaturvedi	<a href="https://onlinecourses.nptel.ac.in/noc24_me139/preview">https://onlinecourses.nptel.ac.in/noc24_me139/preview</a>	
	<b>Minor Specilization (VII Sem)</b>	1	Engineering Metrology	12	22-Jul-24	11-Oct-24	27-Oct-24	Dr S,K Chourasiya	<a href="https://onlinecourses.nptel.ac.in/noc24_me99/preview">https://onlinecourses.nptel.ac.in/noc24_me99/preview</a>
		2	Applied Thermodynamics for Engineers	12	22-Jul-24	11-Oct-24	03-Nov-24	Dr M.K gaur	<a href="https://onlinecourses.nptel.ac.in/noc24_me137/preview">https://onlinecourses.nptel.ac.in/noc24_me137/preview</a>
		1	Foundation of Computational Fluid Dynamics	8	22-07-2024	13-Sep-24	21-Sep-24	Prof B.K Pandey	<a href="https://onlinecourses.nptel.ac.in/noc24_me86/preview">https://onlinecourses.nptel.ac.in/noc24_me86/preview</a>
	<b>DE-3 (VII SEM) Online</b>	2	Introduction to Composites	12	22-Jul-24	11-Oct-24	03-Nov-24	Dr Jyoti Vimal	<a href="https://onlinecourses.nptel.ac.in/noc24_me129/preview">https://onlinecourses.nptel.ac.in/noc24_me129/preview</a>
		3	Advanced Machining Processes	8	19-Aug-24	11-Oct-24	03-Nov-24	Prof R.P kori	<a href="https://onlinecourses.nptel.ac.in/noc23_me99/preview">https://onlinecourses.nptel.ac.in/noc23_me99/preview</a>
1		Fundamentals Of Additive Manufacturing Technologies	12	22-Jul-24	11-Oct-24	03-Nov-24	Prof Vedansh Chaturvedi	<a href="https://onlinecourses.nptel.ac.in/noc24_me138/preview">https://onlinecourses.nptel.ac.in/noc24_me138/preview</a>	
<b>DE-4 (VII SEM) Online</b>	2	Energy Conservation and Waste Heat Recovery	12	22-Jul-24	11-Oct-24	03-Nov-24	Prof Sharad Agarwal	<a href="https://onlinecourses.nptel.ac.in/noc24_me142/preview">https://onlinecourses.nptel.ac.in/noc24_me142/preview</a>	
	3	Work system Design	12	22-Jul-24	11-Oct-24	03-Nov-24	Prof Vaibhav Shivhare	<a href="https://onlinecourses.nptel.ac.in/noc24_me125/preview">https://onlinecourses.nptel.ac.in/noc24_me125/preview</a>	
	<b>Track : 01</b>								
<b>Honor Specialization (V Sem)</b>	1	Introduction To Composites	12	22-Jul-24	11-Oct-24	03-Nov-24	Prof Vaibhav Shivhare	<a href="https://onlinecourses.nptel.ac.in/noc24_me129/preview">https://onlinecourses.nptel.ac.in/noc24_me129/preview</a>	
	2	Solid Mechanics	12	22-Jul-24	11-Oct-24	27-Oct-24	Dr Jyoti Vimal	<a href="https://onlinecourses.nptel.ac.in/noc24_me97/preview">https://onlinecourses.nptel.ac.in/noc24_me97/preview</a>	
	3	Advanced Materials and Processes	12	22-Jul-24	11-Oct-24	03-Nov-24	Dr S,K Chourasiya	<a href="https://onlinecourses.nptel.ac.in/noc24_mm42/preview">https://onlinecourses.nptel.ac.in/noc24_mm42/preview</a>	
	4	Engineering Fracture Mechanics	12	22-Jul-24	11-Oct-24	02-Nov-24	Dr Nitin Upadhyay	<a href="https://onlinecourses.nptel.ac.in/noc24_me113/preview">https://onlinecourses.nptel.ac.in/noc24_me113/preview</a>	
	<b>Track : 02</b>								
	1	Power Plant Engineering	8	22-Jul-24	13-Sep-24	22-Sep-24	Prof B.K Pandey	<a href="https://onlinecourses.nptel.ac.in/noc24_me89/preview">https://onlinecourses.nptel.ac.in/noc24_me89/preview</a>	
	2	Advanced thermodynamics and combustion	12	22-Jul-24	11-Oct-24	03-Nov-24	Prof Sharad Agarwal	<a href="https://onlinecourses.nptel.ac.in/noc24_me135/preview">https://onlinecourses.nptel.ac.in/noc24_me135/preview</a>	
	3	Fundamentals of Convective Heat Transfer	12	22-Jul-24	11-Oct-24	02-Nov-24	Prof B.K Pandey	<a href="https://onlinecourses.nptel.ac.in/noc24_me119/preview">https://onlinecourses.nptel.ac.in/noc24_me119/preview</a>	
	4	Applied Computational Fluid Dynamics	12	22-Jul-24	11-Oct-24	02-Nov-24	Dr M.K gaur	<a href="https://onlinecourses.nptel.ac.in/noc24_ae23/preview">https://onlinecourses.nptel.ac.in/noc24_ae23/preview</a>	
	<b>Track : 03</b>								
	1	Fundamentals of manufacturing processes	12	22-Jul-24	11-Oct-24	03-Nov-24	Prof vedansh Chaturvedi	<a href="https://onlinecourses.nptel.ac.in/noc24_me123/preview">https://onlinecourses.nptel.ac.in/noc24_me123/preview</a>	
	2	Rapid Manufacturing	12	22-Jul-24	11-Oct-24	02-Nov-24	Dr Amit Aherwar	<a href="https://onlinecourses.nptel.ac.in/noc24_me115/preview">https://onlinecourses.nptel.ac.in/noc24_me115/preview</a>	
	3	Fundamentals of Additive Manufacturing Technologies	12	22-Jul-24	11-Oct-24	03-Nov-24	Dr Gavendra Norkey	<a href="https://onlinecourses.nptel.ac.in/noc24_me138/preview">https://onlinecourses.nptel.ac.in/noc24_me138/preview</a>	
	4	Automation in Manufacturing	12	22-Jul-24	11-Oct-24	03-Nov-24	Prof vedansh Chaturvedi	<a href="https://onlinecourses.nptel.ac.in/noc24_me139/preview">https://onlinecourses.nptel.ac.in/noc24_me139/preview</a>	
	1	Materials Processing (Casting, Forming and Welding)	12	22-Jul-24	11-Oct-24	27-Oct-24	Dr M.K Sagar	<a href="https://onlinecourses.nptel.ac.in/noc24_me108/preview">https://onlinecourses.nptel.ac.in/noc24_me108/preview</a>	

<b>Automobile Engineering</b>	<b>Minor Specilization (V Sem)</b>	2	Fluid Mechanics	12	22-Jul-24	11-Oct-24	26-Oct-24	Dr Jyoti Vimal	<a href="https://onlinecourses.nptel.ac.in/noc24_ce78/preview">https://onlinecourses.nptel.ac.in/noc24_ce78/preview</a>		
		3									
		4									
		5									
		<b>Track : 01</b>									
	<b>Honor Specialization (VII Sem)</b>	1	Introduction To Composites	12	22-Jul-24	11-Oct-24	03-Nov-24	Prof Vaibhav Shivhare	<a href="https://onlinecourses.nptel.ac.in/noc24_me129/preview">https://onlinecourses.nptel.ac.in/noc24_me129/preview</a>		
		2	Solid Mechanics	12	22-Jul-24	11-Oct-24	27-Oct-24	Dr Jyoti Vimal	<a href="https://onlinecourses.nptel.ac.in/noc24_me97/preview">https://onlinecourses.nptel.ac.in/noc24_me97/preview</a>		
		3	Advanced Materials and Processes	12	22-Jul-24	11-Oct-24	03-Nov-24	Dr S,K Chourasiya	<a href="https://onlinecourses.nptel.ac.in/noc24_mm42/preview">https://onlinecourses.nptel.ac.in/noc24_mm42/preview</a>		
		4	Engineering Fracture Mechanics	12	22-Jul-24	11-Oct-24	02-Nov-24	Dr Nitin Upadhyay	<a href="https://onlinecourses.nptel.ac.in/noc24_me113/preview">https://onlinecourses.nptel.ac.in/noc24_me113/preview</a>		
		<b>Track : 02</b>									
		1	Power Plant Engineering	8	22-Jul-24	13-Sep-24	22-Sep-24	Prof B.K Pandey	<a href="https://onlinecourses.nptel.ac.in/noc24_me89/preview">https://onlinecourses.nptel.ac.in/noc24_me89/preview</a>		
		2	Advanced thermodynamics and combustion	12	22-Jul-24	11-Oct-24	03-Nov-24	Prof Sharad Agarwal	<a href="https://onlinecourses.nptel.ac.in/noc24_me135/preview">https://onlinecourses.nptel.ac.in/noc24_me135/preview</a>		
		3	Fundamentals of Convective Heat Transfer	12	22-Jul-24	11-Oct-24	02-Nov-24	Prof B.K Pandey	<a href="https://onlinecourses.nptel.ac.in/noc24_me119/preview">https://onlinecourses.nptel.ac.in/noc24_me119/preview</a>		
		4	Applied Computational Fluid Dynamics	12	22-Jul-24	11-Oct-24	02-Nov-24	Dr M.K gaur	<a href="https://onlinecourses.nptel.ac.in/noc24_ae23/preview">https://onlinecourses.nptel.ac.in/noc24_ae23/preview</a>		
		<b>Track : 03</b>									
		1	Fundamentals of manufacturing processes	12	22-Jul-24	11-Oct-24	03-Nov-24	Prof vedansh Chaturvedi	<a href="https://onlinecourses.nptel.ac.in/noc24_me123/preview">https://onlinecourses.nptel.ac.in/noc24_me123/preview</a>		
		2	Rapid Manufacturing	12	22-Jul-24	11-Oct-24	02-Nov-24	Dr Amit Aherwar	<a href="https://onlinecourses.nptel.ac.in/noc24_me115/preview">https://onlinecourses.nptel.ac.in/noc24_me115/preview</a>		
		3	Fundamentals of Additive Manufacturing Technologies	12	22-Jul-24	11-Oct-24	03-Nov-24	Dr Gavendra Norkey	<a href="https://onlinecourses.nptel.ac.in/noc24_me138/preview">https://onlinecourses.nptel.ac.in/noc24_me138/preview</a>		
		4	Automation in Manufacturing	12	22-Jul-24	11-Oct-24	03-Nov-24	Prof vedansh Chaturvedi	<a href="https://onlinecourses.nptel.ac.in/noc24_me139/preview">https://onlinecourses.nptel.ac.in/noc24_me139/preview</a>		
		<b>Minor Specilization (VII Sem)</b>	1	Engineering Metrology	12	22-Jul-24	11-Oct-24	27-Oct-24	Dr S,K Chourasiya	<a href="https://onlinecourses.nptel.ac.in/noc24_me99/preview">https://onlinecourses.nptel.ac.in/noc24_me99/preview</a>	
	2		Applied Thermodynamics for Engineers	12	22-Jul-24	11-Oct-24	03-Nov-24	Dr M.K gaur	<a href="https://onlinecourses.nptel.ac.in/noc24_me137/preview">https://onlinecourses.nptel.ac.in/noc24_me137/preview</a>		
	<b>DE-3 (VII SEM) Online</b>	1	Farm Machinery	12	22-Jul-24	11-10-2024	27-Oct-24	Dr Amit aherwar	<a href="https://onlinecourses.nptel.ac.in/noc24_ag14/preview">https://onlinecourses.nptel.ac.in/noc24_ag14/preview</a>		
		2	Mechanism and Robot Kinematics	8	19-Aug-24	11-10-2024	03-Nov-24	Dr Nitin Upadhyay	<a href="https://onlinecourses.nptel.ac.in/noc24_me155/preview">https://onlinecourses.nptel.ac.in/noc24_me155/preview</a>		
	<b>DE-4 (VII SEM) Online</b>	1	Sustainable Power Generation System	12	22-Jul-24	11-10-2024	02-Nov-24	Dr Gavendra Norkey	<a href="https://onlinecourses.nptel.ac.in/noc24_ge54/preview">https://onlinecourses.nptel.ac.in/noc24_ge54/preview</a>		
		2	Aluminum based alloy and Metal Matrix Composites	12	22-Jul-24	11-10-2024	03-Nov-24	Dr S.K Chourasiya	<a href="https://onlinecourses.nptel.ac.in/noc24_mm40/preview">https://onlinecourses.nptel.ac.in/noc24_mm40/preview</a>		
	<b>Honor Specialization (V Sem)</b>	<b>Track : 01 (Specialization 1: Artificial Intelligence and Machine Learning)</b>									
		1	Fundamentals Of Artificial Intelligence	12	22-Jul-24	11-Oct-24	26-Oct-24	Dr. Punit Johari	<a href="https://onlinecourses.nptel.ac.in/noc24_ge47/preview">https://onlinecourses.nptel.ac.in/noc24_ge47/preview</a>		
2		Artificial Intelligence : Search Methods For Problem solving	12	22-Jul-24	11-Oct-24	26-Oct-24	Prof. Vikas Sejwar	<a href="https://onlinecourses.nptel.ac.in/noc24_cs88/preview">https://onlinecourses.nptel.ac.in/noc24_cs88/preview</a>			
<b>Track : 02 (Specialization 2: Data Analytics)</b>											
1		Fundamentals Of Artificial Intelligence	12	22-Jul-24	11-Oct-24	26-Oct-24	Dr. Punit Johari	<a href="https://onlinecourses.nptel.ac.in/noc24_ge47/preview">https://onlinecourses.nptel.ac.in/noc24_ge47/preview</a>			

<b>Information Technology</b>		2	Applied Linear Algebra For Signal Processing, Data Analytics And Machine Learning	12	22-Jul-24	11-Oct-24	02 Nov 2024	Dr. Abhilash Sonker	<a href="https://onlinecourses.nptel.ac.in/noc24_ee138/preview">https://onlinecourses.nptel.ac.in/noc24_ee138/preview</a>		
		<b>Track : 03 (Specialization 3: Computation and Algorithms)</b>									
		1	Practical Cyber Security for Cyber Security Practitioners	12	22-Jul-24	11-Oct-24	26-Oct-24	Dr. Abhilash Sonker	<a href="https://onlinecourses.nptel.ac.in/noc24_cs85/preview">https://onlinecourses.nptel.ac.in/noc24_cs85/preview</a>		
	<b>Minor Specilization (V Sem)</b>		2	Computational Complexity	12	22 Jul 2024	11 Oct 2024	27-Oct-24	Prof. Neha Bhardwaj	<a href="https://onlinecourses.nptel.ac.in/noc24_cs106/preview">https://onlinecourses.nptel.ac.in/noc24_cs106/preview</a>	
			1	Programming in Java	12	22-Jul-24	11-Oct-24	27-Oct-24	Dr. Vikram Rajpoot	<a href="https://onlinecourses.nptel.ac.in/noc24_cs105/preview">https://onlinecourses.nptel.ac.in/noc24_cs105/preview</a>	
			2	Introduction to Operating Systems	8	22-Jul-24	13-Sep-24	22-Sep-24	Prof. Neha Bhardwaj	<a href="https://onlinecourses.nptel.ac.in/noc24_cs80/preview">https://onlinecourses.nptel.ac.in/noc24_cs80/preview</a>	
			3	Computer Graphics	8	22-Jul-24	13-Sep-24	22-Sep-24	Prof. Vikas Sejwar	<a href="https://onlinecourses.nptel.ac.in/noc24_cs82/preview">https://onlinecourses.nptel.ac.in/noc24_cs82/preview</a>	
			<b>Track : 01 (Specialization 1: Artificial Intelligence and Machine Learning)</b>								
	<b>Honor Specialization (VII Sem)</b>		1	Reinforcement Learning	12	22-Jul-24	11-Oct-24	27-Oct-24	Dr. Abhilash Sonker	<a href="https://onlinecourses.nptel.ac.in/noc24_cs102/preview">https://onlinecourses.nptel.ac.in/noc24_cs102/preview</a>	
			2	Essential Mathematics for Machine Learning	12	22 Jul 2024	11 Oct 2024	03 Nov 2024	Dr. Vikram Rajpoot	<a href="https://onlinecourses.nptel.ac.in/noc24_ma87/preview">https://onlinecourses.nptel.ac.in/noc24_ma87/preview</a>	
			3	Artificial Intelligence : Search Methods For Problem solving	12	22-Jul-24	11-Oct-24	26-Oct-24	Prof. Vikas Sejwar	<a href="https://onlinecourses.nptel.ac.in/noc24_cs88/preview">https://onlinecourses.nptel.ac.in/noc24_cs88/preview</a>	
			4	Fundamentals of Artificial intelligence	12	22-Jul-24	11-Oct-24	26-Oct-24	Dr. Punit Johari	<a href="https://onlinecourses.nptel.ac.in/noc24_ge47/preview">https://onlinecourses.nptel.ac.in/noc24_ge47/preview</a>	
			<b>Track : 02 (Specialization 2: Data Analytics)</b>								
			1	Big Data Computing	8	19 Aug 2024	11 Oct 2024	26 Oct 2024	Dr. Sanjiv Sharma	<a href="https://onlinecourses.nptel.ac.in/noc24_cs130/preview">https://onlinecourses.nptel.ac.in/noc24_cs130/preview</a>	
			2	Fundamentals of Artificial intelligence	12	22-Jul-24	11-Oct-24	26-Oct-24	Dr. Punit Johari	<a href="https://onlinecourses.nptel.ac.in/noc24_ge47/preview">https://onlinecourses.nptel.ac.in/noc24_ge47/preview</a>	
			3	Applied Linear Algebra For Signal Processing, Data Analytics And Machine Learning	12	22-Jul-24	11-Oct-24	02 Nov 2024	Dr. Vikram Rajpoot	<a href="https://onlinecourses.nptel.ac.in/noc24_ee138/preview">https://onlinecourses.nptel.ac.in/noc24_ee138/preview</a>	
			4	Data Science for Engineers	8	22-Jul-24	13 Sep 2024	22 Sep 2024	Dr. Vikram Rajpoot	<a href="https://onlinecourses.nptel.ac.in/noc24_cs133/preview">https://onlinecourses.nptel.ac.in/noc24_cs133/preview</a>	
			5	Advanced Business Decision Support Systems	12	22-Jul-24	11 Oct 2024	02 Nov 2024	Prof. Rajeev Kumar Singh	<a href="https://onlinecourses.nptel.ac.in/noc24_mg107/preview">https://onlinecourses.nptel.ac.in/noc24_mg107/preview</a>	
			<b>Track : 03 (Specialization 3: Robotics)</b>								
			1	Industrial Robotics : Theories for Implementation	12	22-Jul-24	11-Oct-24	02-Nov-24	Dr. Nidhi Saxena	<a href="https://onlinecourses.nptel.ac.in/noc24_me117/preview">https://onlinecourses.nptel.ac.in/noc24_me117/preview</a>	
			2	Artificial Intelligence : Search Methods For Problem solving	12	22-Jul-24	11-Oct-24	26-Oct-24	Prof. Vikas Sejwar	<a href="https://onlinecourses.nptel.ac.in/noc24_cs88/preview">https://onlinecourses.nptel.ac.in/noc24_cs88/preview</a>	
			3	Mechanism and Robot Kinematics	8	19 Aug 2024	11 Oct 2024	03 Nov 2024	Dr. Nidhi Saxena	<a href="https://onlinecourses.nptel.ac.in/noc24_me155/preview">https://onlinecourses.nptel.ac.in/noc24_me155/preview</a>	
			<b>VII SEM Minor specialization</b>		1	Introduction to Operating Systems	8	22-Jul-24	13-Sep-24	22-Sep-24	Prof. Neha Bhardwaj
	2	Programming in Java			12	22-Jul-24	11-Oct-24	27-Oct-24	Dr. Vikram Rajpoot	<a href="https://onlinecourses.nptel.ac.in/noc24_cs105/preview">https://onlinecourses.nptel.ac.in/noc24_cs105/preview</a>	
	3	Programming, Data Structures and Algorithms in Python			8	22-Jul-24	13-Sep-24	22-Sep-24	Dr. Nidhi Saxena	<a href="https://onlinecourses.nptel.ac.in/noc24_cs78/preview">https://onlinecourses.nptel.ac.in/noc24_cs78/preview</a>	
	4	Design and analysis of algorithms			8	22-Jul-24	13-Sep-24	22-Sep-24	Dr. Vikram Rajput	<a href="https://onlinecourses.nptel.ac.in/noc24_cs79/preview">https://onlinecourses.nptel.ac.in/noc24_cs79/preview</a>	
	5	Distributed Systems			8	22-Jul-24	13-Sep-24	22-Sep-24	Prof. Neha Bhardwaj	<a href="https://onlinecourses.nptel.ac.in/noc24_cs77/preview">https://onlinecourses.nptel.ac.in/noc24_cs77/preview</a>	
	6	Introduction To Internet Of Things			12	22-Jul-24	11-Oct-24	2-Nov-24	Dr. Nidhi Saxena	<a href="https://onlinecourses.nptel.ac.in/noc24_cs115/preview">https://onlinecourses.nptel.ac.in/noc24_cs115/preview</a>	
	7	Computer Graphics			8	22-Jul-24	13-Sep-24	22-Sep-24	Prof. Vikas Sejwar	<a href="https://onlinecourses.nptel.ac.in/noc24_cs82/preview">https://onlinecourses.nptel.ac.in/noc24_cs82/preview</a>	
	<b>DE-3 (VII SEM) Online</b>		1	Software Testing	12	22-Jul-24	09-13-2024	26-Oct-24	Prof. Rajeev Kumar Singh	<a href="https://onlinecourses.nptel.ac.in/noc24_cs91/preview">https://onlinecourses.nptel.ac.in/noc24_cs91/preview</a>	
			2	Google Cloud Computing Foundations	8	19-Aug-24	10-11-2024	27-Oct-24	Prof. Neha Bhardwaj	<a href="https://onlinecourses.nptel.ac.in/noc24_cs131/preview">https://onlinecourses.nptel.ac.in/noc24_cs131/preview</a>	
			3	Social Network Analysis	12	22-Jul-24	10-11-2024	26-Oct-24	Dr. Sanjiv Sharma	<a href="https://onlinecourses.nptel.ac.in/noc24_cs90/preview">https://onlinecourses.nptel.ac.in/noc24_cs90/preview</a>	
	<b>DE-4 (VII SEM)</b>		1	Deep Learning	12	22-Jul-24	10-11-2024	02-Nov-24	Dr. Abhilash Sonker	<a href="https://onlinecourses.nptel.ac.in/noc24_cs114/preview">https://onlinecourses.nptel.ac.in/noc24_cs114/preview</a>	
2			Big Data Computing	8	19-Aug-24	10-11-2024	26-Oct-24	Dr. Sanjiv Sharma	<a href="https://onlinecourses.nptel.ac.in/noc24_cs130/preview">https://onlinecourses.nptel.ac.in/noc24_cs130/preview</a>		

		Omnine		3	Computer Vision	12	22-Jul-24	10-11-2024	03-Nov-24	Prof. Vikas Sejwar	<a href="https://onlinecourses.nptel.ac.in/noc24_cs124/preview">https://onlinecourses.nptel.ac.in/noc24_cs124/preview</a>	
Centre for IoT (EE-IoT)	Honor Specialization (V Sem)	<b>Track : 01 :Artificial Intelligence and Machine</b>										
		1	Introduction to Machine Learning	12 weeks	July 22, 2024	October 11, 2024	October 27, 2024		<a href="https://onlinecourses.nptel.ac.in/noc24_cs101/preview">https://onlinecourses.nptel.ac.in/noc24_cs101/preview</a>			
		2	Responsible & Safe AI Systems	12 Weeks	11-Oct-24	16-Aug-24	02-Nov-24		<a href="https://onlinecourses.nptel.ac.in/noc24_cs132/preview">https://onlinecourses.nptel.ac.in/noc24_cs132/preview</a>			
		3	Programming, Data Structures And Algorithms Using Python	8 weeks	July 22, 2024	September 13, 2024	September 22, 2024		<a href="https://onlinecourses.nptel.ac.in/noc24_cs78/preview">https://onlinecourses.nptel.ac.in/noc24_cs78/preview</a>			
		4	Artificial Intelligence : Search Methods For Problem solving	12 Weeks	July 22, 2024	October 11, 2024	October 26, 2024		<a href="https://onlinecourses.nptel.ac.in/noc24_cs88/preview">https://onlinecourses.nptel.ac.in/noc24_cs88/preview</a>			
		5	Artificial Intelligence for Economics	8 Weeks	July 22, 2024	September 13, 2024	September 22, 2024		<a href="https://onlinecourses.nptel.ac.in/noc24_cs76/preview">https://onlinecourses.nptel.ac.in/noc24_cs76/preview</a>			
		<b>Track : 02 :Smart Computing &amp; Algorithms</b>										
		1	Design and analysis of algorithms	8 Weeks	July 22, 2024	September 13, 2024	September 22, 2024		<a href="https://onlinecourses.nptel.ac.in/noc24_cs79/preview">https://onlinecourses.nptel.ac.in/noc24_cs79/preview</a>			
		2	Programming, Data Structures And Algorithms Using Python	8 Weeks	July 22, 2024	September 13, 2024	September 22, 2024		<a href="https://onlinecourses.nptel.ac.in/noc24_cs78/preview">https://onlinecourses.nptel.ac.in/noc24_cs78/preview</a>			
		3	The Joy of Computing using Python	12 Weeks	July 22, 2024	October 11, 2024	November 2, 2024		<a href="https://onlinecourses.nptel.ac.in/noc24_cs113/preview">https://onlinecourses.nptel.ac.in/noc24_cs113/preview</a>			
		4	Discrete Mathematics	12 Weeks	July 22, 2024	October 11, 2024	October 27, 2024		<a href="https://onlinecourses.nptel.ac.in/noc24_cs92/preview">https://onlinecourses.nptel.ac.in/noc24_cs92/preview</a>			
		5	Data Structure and Algorithms using Java	12 Weeks	July 22, 2024	October 11, 2024	October 26, 2024		<a href="https://onlinecourses.nptel.ac.in/noc24_cs96/preview">https://onlinecourses.nptel.ac.in/noc24_cs96/preview</a>			
		6	Programming in Modern C++	12 Weeks	July 22, 2024	October 11, 2024	November 3, 2024		<a href="https://onlinecourses.nptel.ac.in/noc24_cs125/preview">https://onlinecourses.nptel.ac.in/noc24_cs125/preview</a>			
		<b>Track : 03 Embedded System Design</b>										
		1	Electronic Systems Design: Hands-on Circuits and PCB Design with CAD Software	12 Weeks	July 22, 2024	October 11, 2024	October 27, 2024		<a href="https://onlinecourses.nptel.ac.in/noc24_ee127/preview">https://onlinecourses.nptel.ac.in/noc24_ee127/preview</a>			
		2	Microelectronics: Devices to Circuits	12 Weeks	July 22, 2024	October 11, 2024	October 27, 2024		<a href="https://onlinecourses.nptel.ac.in/noc24_ee139/preview">https://onlinecourses.nptel.ac.in/noc24_ee139/preview</a>			
		3	Real-Time Digital Signal Processing	12 Weeks	July 22, 2024	October 11, 2024	November 2, 2024		<a href="https://onlinecourses.nptel.ac.in/noc24_ee136/preview">https://onlinecourses.nptel.ac.in/noc24_ee136/preview</a>			
		Minor Specilization (V Sem)	1	Introduction To Internet Of Things	12 Weeks	July 22, 2024	October 11, 2024	November 2, 2024		<a href="https://onlinecourses.nptel.ac.in/noc24_cs115/preview">https://onlinecourses.nptel.ac.in/noc24_cs115/preview</a>		
	2		Introduction To Industry 4.0 And Industrial Internet Of Things	12 Weeks	July 22, 2024	October 11, 2024	October 26, 2024		<a href="https://onlinecourses.nptel.ac.in/noc24_cs95/preview">https://onlinecourses.nptel.ac.in/noc24_cs95/preview</a>			
	3		Analog Electronic Circuit	12 Weeks	July 22, 2024	October 11, 2024	November 2, 2024		<a href="https://onlinecourses.nptel.ac.in/noc24_ee140/preview">https://onlinecourses.nptel.ac.in/noc24_ee140/preview</a>			
	4		Microelectronics: Devices to Circuits	12 Weeks	July 22, 2024	October 11, 2024	November 2, 2024		<a href="https://onlinecourses.nptel.ac.in/noc24_ee139/preview">https://onlinecourses.nptel.ac.in/noc24_ee139/preview</a>			
	5											
	Honor Specialization (VII Sem)	<b>Track : 01 :Artificial Intelligence and Machine</b>										
		1	Introduction to Machine Learning	12 weeks	July 22, 2024	October 11, 2024	October 27, 2024		<a href="https://onlinecourses.nptel.ac.in/noc24_cs101/preview">https://onlinecourses.nptel.ac.in/noc24_cs101/preview</a>			
		2	Responsible & Safe AI Systems	12 Weeks	11-Oct-24	16-Aug-24	02-Nov-24		<a href="https://onlinecourses.nptel.ac.in/noc24_cs132/preview">https://onlinecourses.nptel.ac.in/noc24_cs132/preview</a>			
		3	Artificial Intelligence : Search Methods For Problem solving	12 Weeks	July 22, 2024	October 11, 2024	October 26, 2024		<a href="https://onlinecourses.nptel.ac.in/noc24_cs88/preview">https://onlinecourses.nptel.ac.in/noc24_cs88/preview</a>			
		4	Artificial Intelligence for Economics	8 Weeks	July 22, 2024	September 13, 2024	September 22, 2024		<a href="https://onlinecourses.nptel.ac.in/noc24_cs76/preview">https://onlinecourses.nptel.ac.in/noc24_cs76/preview</a>			
		<b>Track : 02 :Computational Techniques</b>										
		1	Data Science for Engineers	8 Weeks	July 22, 2024	September 13, 2024	September 22, 2024		<a href="https://onlinecourses.nptel.ac.in/noc24_cs133/preview">https://onlinecourses.nptel.ac.in/noc24_cs133/preview</a>			
		2	Programming, Data Structures And Algorithms Using Python	8 Weeks	July 22, 2024	September 13, 2024	September 22, 2024		<a href="https://onlinecourses.nptel.ac.in/noc24_cs78/preview">https://onlinecourses.nptel.ac.in/noc24_cs78/preview</a>			
3		Programming in Java	12 Weeks	July 22, 2024	October 11, 2024	October 27, 2024		<a href="https://onlinecourses.nptel.ac.in/noc24_cs105/preview">https://onlinecourses.nptel.ac.in/noc24_cs105/preview</a>				
4		Data Structure and Algorithms using Java	12 Weeks	July 22, 2024	October 11, 2024	October 26, 2024		<a href="https://onlinecourses.nptel.ac.in/noc24_cs96/preview">https://onlinecourses.nptel.ac.in/noc24_cs96/preview</a>				
5		Programming in Modern C++	12 Weeks	July 22, 2024	October 11, 2024	November 3, 2024		<a href="https://onlinecourses.nptel.ac.in/noc24_cs125/preview">https://onlinecourses.nptel.ac.in/noc24_cs125/preview</a>				



CENTRE FOR IoT(IT-IoT)		Track : 01(Artificial Intelligence and Machine Learning)							
		1	Introduction to Machine Learning	12	22-Jul-24	October 11, 2024	27-Oct-24		<a href="https://onlinecourses.nptel.ac.in/noc24_cs101/preview">https://onlinecourses.nptel.ac.in/noc24_cs101/preview</a>
2	Responsible & Safe AI Systems	12	11-Oct-24	16-Aug-24	02-Nov-24		<a href="https://onlinecourses.nptel.ac.in/noc24_cs132/preview">https://onlinecourses.nptel.ac.in/noc24_cs132/preview</a>		
3	Programming, Data Structures And Algorithms Using Python	8	22-Jul-24	September 13, 2024	22-Sep-24		<a href="https://onlinecourses.nptel.ac.in/noc24_cs78/preview">https://onlinecourses.nptel.ac.in/noc24_cs78/preview</a>		
4	Artificial Intelligence : Search Methods For Problem solving	12	22-Jul-24	October 11, 2024	26-Oct-24		<a href="https://onlinecourses.nptel.ac.in/noc24_cs96/preview">https://onlinecourses.nptel.ac.in/noc24_cs96/preview</a>		
5	Artificial Intelligence for Economics	8	22-Jul-24	September 13, 2024	22-Sep-24		<a href="https://onlinecourses.nptel.ac.in/noc24_cs76/preview">https://onlinecourses.nptel.ac.in/noc24_cs76/preview</a>		
<b>Track : 02 (Smart Computing &amp; Algorithms)</b>									
1	Design and analysis of algorithms	8	22-Jul-24	September 13, 2024	22-Sep-24		<a href="https://onlinecourses.nptel.ac.in/noc24_cs79/preview">https://onlinecourses.nptel.ac.in/noc24_cs79/preview</a>		
2	Programming, Data Structures And Algorithms Using Python	8	22-Jul-24	September 13, 2024	22-Sep-24		<a href="https://onlinecourses.nptel.ac.in/noc24_cs78/preview">https://onlinecourses.nptel.ac.in/noc24_cs78/preview</a>		
3	The Joy of Computing using Python	12	22-Jul-24	October 11, 2024	02-Nov-24		<a href="https://onlinecourses.nptel.ac.in/noc24_cs113/preview">https://onlinecourses.nptel.ac.in/noc24_cs113/preview</a>		
4	Discrete Mathematics	12	22-Jul-24	October 11, 2024	27-Oct-24		<a href="https://onlinecourses.nptel.ac.in/noc24_cs92/preview">https://onlinecourses.nptel.ac.in/noc24_cs92/preview</a>		
5	Data Structure and Algorithms using Java	12	22-Jul-24	October 11, 2024	26-Oct-24		<a href="https://onlinecourses.nptel.ac.in/noc24_cs96/preview">https://onlinecourses.nptel.ac.in/noc24_cs96/preview</a>		
6	Programming in Modern C++	12	22-Jul-24	October 11, 2024	03-Nov-24		<a href="https://onlinecourses.nptel.ac.in/noc24_cs125/preview">https://onlinecourses.nptel.ac.in/noc24_cs125/preview</a>		
<b>Track : 03 (Robotics)</b>									
1	Industrial Robotics : Theories for Implementation	12	22-Jul-24	October 11, 2024	02-Nov-24		<a href="https://onlinecourses.nptel.ac.in/noc24_me117/preview">https://onlinecourses.nptel.ac.in/noc24_me117/preview</a>		
2	Mechanism and Robot Kinematics	8	19-Aug-24	October 11, 2024	03-Nov-24		<a href="https://onlinecourses.nptel.ac.in/noc24_me155/preview">https://onlinecourses.nptel.ac.in/noc24_me155/preview</a>		
3	Mechanics and Control of Robotic Manipulators	8	22-Jul-24	13-Sep-24	22-Sep-24		<a href="https://onlinecourses.nptel.ac.in/noc24_me92/preview">https://onlinecourses.nptel.ac.in/noc24_me92/preview</a>		
<b>DE-4 (VII SEM) Online</b>		1	Distributed Systems (230767)	8	22-Jul-24	13-Sep-24	22-Sep-24	Dr.Dhanajay Bisen	<a href="https://onlinecourses.nptel.ac.in/noc24_cs77/preview">https://onlinecourses.nptel.ac.in/noc24_cs77/preview</a>
		2	Programming in Java (230768)	12	22-Jul-24	27-Oct-24	27-Oct-24	Dr. Adiya Dubey	<a href="https://onlinecourses.nptel.ac.in/noc24_cs105/preview">https://onlinecourses.nptel.ac.in/noc24_cs105/preview</a>
		3	Deep Learning- IIT Ropar (230769)	12	22-Jul-24	26-Oct-24	26-Oct-24	Dr.Nookala Venu	<a href="https://onlinecourses.nptel.ac.in/noc24_cs114/preview">https://onlinecourses.nptel.ac.in/noc24_cs114/preview</a>
<b>DE-5 (VII SEM) Online</b>		1	Big Data Computing (230770)	8	19-Aug-24	26-Oct-24	29-Oct-24	Dr.Namita Arya	<a href="https://onlinecourses.nptel.ac.in/noc24_cs130/preview">https://onlinecourses.nptel.ac.in/noc24_cs130/preview</a>
		2	The Joy of Computing using Python (230771)	12	22-Jul-24	02-Nov-24	02-Nov-24	Dr. Priyanka Garg	<a href="https://onlinecourses.nptel.ac.in/noc24_cs113/preview">https://onlinecourses.nptel.ac.in/noc24_cs113/preview</a>
		3	Design & Implementation of Human-Computer Interfaces (230772)	8	22-Jul-24	02-Nov-24	02-Nov-24	Dr.Nookala Venu	<a href="https://onlinecourses.nptel.ac.in/noc24_cs126/preview">https://onlinecourses.nptel.ac.in/noc24_cs126/preview</a>
<b>Honor Specialization (V Sem &amp; VII Sem)</b>		<b>Track : 01</b>							
		1	Advanced Linear Continuous Control Systems: Applications with MATLAB Programming and Simulink	08 Weeks	July 22, 2024	September 13, 2024	September 21, 2024	Prof. Ashis Patra	<a href="https://onlinecourses.nptel.ac.in/noc24_ee90/preview">https://onlinecourses.nptel.ac.in/noc24_ee90/preview</a>
		2	Electronic Systems Design: Hands-on Circuits and PCB Design with CAD Software	12 Weeks	July 22, 2024	October 11, 2024	October 27, 2024	Dr. Ankit Tiwari	<a href="https://onlinecourses.nptel.ac.in/noc24_ee127/preview">https://onlinecourses.nptel.ac.in/noc24_ee127/preview</a>
		3	Power Electronics with Wide Band Gap Devices	12 Weeks	July 22, 2024	October 11, 2024	October 27, 2024	Prof. Manoj Kumar	<a href="https://onlinecourses.nptel.ac.in/noc24_ee126/preview">https://onlinecourses.nptel.ac.in/noc24_ee126/preview</a>
		4	Introduction to Industry 4.0 and Industrial Internet of Things	12 Weeks	July 22, 2024	October 11, 2024	October 26, 2024	Dr. Vikram	<a href="https://onlinecourses.nptel.ac.in/noc24_cs95/preview">https://onlinecourses.nptel.ac.in/noc24_cs95/preview</a>
		<b>Track : 02</b>							
		1	Smart Grid: Basics to Advanced Technologies	12 Weeks	July 22, 2024	October 11, 2024	November 3, 2024	Dr. Himmat Singh	<a href="https://onlinecourses.nptel.ac.in/noc24_ee148/preview">https://onlinecourses.nptel.ac.in/noc24_ee148/preview</a>
		2	Design of Photovoltaic Systems	12 Weeks	July 22, 2024	October 11, 2024	October 27, 2024	Prof. Vishal Chaudhary	<a href="https://onlinecourses.nptel.ac.in/noc24_ee109/preview">https://onlinecourses.nptel.ac.in/noc24_ee109/preview</a>
		3	Advances in UHV Transmission and Distribution	08 Weeks	July 22, 2024	September 13, 2024	September 21, 2024	Prof. Vishal Chaudhary	<a href="https://onlinecourses.nptel.ac.in/noc24_ee84/preview">https://onlinecourses.nptel.ac.in/noc24_ee84/preview</a>
		4	Introduction to Industry 4.0 and Industrial Internet of Things	12 Weeks	July 22, 2024	October 11, 2024	October 26, 2024	Dr. Vikram	<a href="https://onlinecourses.nptel.ac.in/noc24_cs95/preview">https://onlinecourses.nptel.ac.in/noc24_cs95/preview</a>



<b>Electrical Engineering</b>	<b>Minor Specilization (V Sem &amp; VII Sem)</b>	1	Basic Electrical Circuits	12 Weeks	July 22, 2024	October 11, 2024	October 26, 2024	Prof. Vishal Chaudhary	<a href="https://onlinecourses.nptel.ac.in/noc24_ee112/preview">https://onlinecourses.nptel.ac.in/noc24_ee112/preview</a>	
		2	Electrical Machines - I	12 Weeks	July 22, 2024	October 11, 2024	October 26, 2024	Prof. Ashis Patra	<a href="https://onlinecourses.nptel.ac.in/noc24_ee103/preview">https://onlinecourses.nptel.ac.in/noc24_ee103/preview</a>	
		3	Electrical Measurement and Electronic Instruments	12 Weeks	July 22, 2024	October 11, 2024	October 27, 2024	Dr. Ankit Tiwari	<a href="https://onlinecourses.nptel.ac.in/noc24_ee117/preview">https://onlinecourses.nptel.ac.in/noc24_ee117/preview</a>	
		4	A Basic Course on Electric and Magnetic Circuits	12 Weeks	July 22, 2024	October 11, 2024	October 27, 2024	Dr. Vijay Bhuria	<a href="https://onlinecourses.nptel.ac.in/noc24_ee125/preview">https://onlinecourses.nptel.ac.in/noc24_ee125/preview</a>	
		5	Control Systems	12 Weeks	July 22, 2024	October 11, 2024	November 2, 2024	Dr. Vikram	<a href="https://onlinecourses.nptel.ac.in/noc24_de18/preview">https://onlinecourses.nptel.ac.in/noc24_de18/preview</a>	
	<b>DE-3 (VII SEM) Online</b>	1	DC Microgrid and Control System	08 Weeks	July 22, 2024	September 13, 2024	September 21, 2024	Dr. Nikhil Paliwal	<a href="https://onlinecourses.nptel.ac.in/noc24_ee87/preview">https://onlinecourses.nptel.ac.in/noc24_ee87/preview</a>	
		2	Economic Operations and Control of Power Systems	12 Weeks	July 22, 2024	October 11, 2024	November 2, 2024	Dr. Himmat Singh	<a href="https://onlinecourses.nptel.ac.in/noc24_ee141/preview">https://onlinecourses.nptel.ac.in/noc24_ee141/preview</a>	
		3	Sustainable Power Generation Systems	12 Weeks	July 22, 2024	October 11, 2024	November 2, 2024	Dr. Ankit Tiwari	<a href="https://onlinecourses.nptel.ac.in/noc24_ge54/preview">https://onlinecourses.nptel.ac.in/noc24_ge54/preview</a>	
	<b>DE-4 (VII SEM) Online</b>	1	Sensor Technologies: Physics, Fabrication, and Circuits	08 Weeks	July 22, 2024	September 13, 2024	September 21, 2024	Prof. Kuldeep Kumar Swarnkar	<a href="https://onlinecourses.nptel.ac.in/noc24_ee83/preview">https://onlinecourses.nptel.ac.in/noc24_ee83/preview</a>	
		2	Digital Switching - I	08 Weeks	July 22, 2024	September 13, 2024	September 21, 2024	Prof. Manoj Kumar	<a href="https://onlinecourses.nptel.ac.in/noc24_ee86/preview">https://onlinecourses.nptel.ac.in/noc24_ee86/preview</a>	
		3	Real-Time Digital Signal Processing	12 Weeks	July 22, 2024	October 11, 2024	November 2, 2024	Dr. Vikram	<a href="https://onlinecourses.nptel.ac.in/noc24_ee136/preview">https://onlinecourses.nptel.ac.in/noc24_ee136/preview</a>	
	<b>Computer Science &amp; Engineering</b>	<b>Honor Specialization (V Sem)</b>	<b>Track : 01-Information Security</b>							
1			Cyber Security and Privacy	12 Weeks	July 22, 2024	October 11, 2024	November 3, 2024	<b>Dr Smita Parte</b>	<a href="https://onlinecourses.nptel.ac.in/noc24_cs121/preview">https://onlinecourses.nptel.ac.in/noc24_cs121/preview</a>	
2			Ethical Hacking	12 Weeks	July 22, 2024	October 11, 2024	October 26, 2024	<b>Dr. Kuldeep Narayan Tripathi</b>	<a href="https://onlinecourses.nptel.ac.in/noc24_cs94/preview">https://onlinecourses.nptel.ac.in/noc24_cs94/preview</a>	
3										
<b>Track : 02-IoT</b>										
1			Introduction to Internet of Things	12 Weeks	July 22, 2024	October 11, 2024	November 2, 2024	<b>Dr. Devesh Kumar Lal</b>	<a href="https://onlinecourses.nptel.ac.in/noc24_cs115/preview">https://onlinecourses.nptel.ac.in/noc24_cs115/preview</a>	
2			Sensor Technologies: Physics, Fabrication, and Circuits	8 Weeks	July 22, 2024	September 13, 2024	September 21, 2024	<b>Dr. Rahul Dubey</b>	<a href="https://onlinecourses.nptel.ac.in/noc24_ee83/preview">https://onlinecourses.nptel.ac.in/noc24_ee83/preview</a>	
3										
<b>Track : 03- High Performance Computing</b>										
1		Multi-Core Computer Architecture	12 Weeks	July 22, 2024	October 11, 2024	October 26, 2024	<b>Dr. Rohit Agrawal</b>	<a href="https://onlinecourses.nptel.ac.in/noc24_cs93/preview">https://onlinecourses.nptel.ac.in/noc24_cs93/preview</a>		
2		Randomized Methods in Complexity	12 Weeks	July 22, 2024	October 11, 2024	October 27, 2024	<b>Dr. Gagandeep Kaur</b>	<a href="https://onlinecourses.nptel.ac.in/noc24_cs100/preview">https://onlinecourses.nptel.ac.in/noc24_cs100/preview</a>		
3										
<b>Minor Specilization (V Sem)</b>		1	Operating System Fundamentals	12 Weeks	July 22, 2024	October 11, 2024	October 27, 2024	<b>Prof Mahesh Parmar</b>	<a href="https://onlinecourses.nptel.ac.in/noc24_cs108/preview">https://onlinecourses.nptel.ac.in/noc24_cs108/preview</a>	
		2	Computer Architecture	12 Weeks	July 22, 2024	October 11, 2024	October 26, 2024	<b>Dr.Jaimala Jha</b>	<a href="https://onlinecourses.nptel.ac.in/noc24_cs83/preview">https://onlinecourses.nptel.ac.in/noc24_cs83/preview</a>	
		3	Programming, Data Structures and Algorithms using Python	8 Weeks	July 22, 2024	September 13, 2024	September 22, 2024	<b>Prof.Amit Manjhar</b>	<a href="https://onlinecourses.nptel.ac.in/noc24_cs78/preview">https://onlinecourses.nptel.ac.in/noc24_cs78/preview</a>	
		4								
		5								
<b>Honor Specialization</b>		<b>Track : 01-Information Security</b>								
	1	Secure Computation: Part II	12 Weeks	July 22, 2024	October 11, 2024	November 2, 2024	<b>Dr. Gagandeep Kaur</b>	<a href="https://onlinecourses.nptel.ac.in/noc24_cs112/preview">https://onlinecourses.nptel.ac.in/noc24_cs112/preview</a>		
	2	Practical Cyber Security for Cyber Security Practitioners	12 Weeks	July 22, 2024	October 11, 2024	October 26, 2024	<b>Dr Nishant Jain</b>	<a href="https://onlinecourses.nptel.ac.in/noc24_cs85/preview">https://onlinecourses.nptel.ac.in/noc24_cs85/preview</a>		
	3	Responsible & Safe AI Systems	12 Weeks	July 22, 2024	October 11, 2024	November 2, 2024	<b>Dr Dheeraj Kumar Dixit</b>	<a href="https://onlinecourses.nptel.ac.in/noc24_cs132/preview">https://onlinecourses.nptel.ac.in/noc24_cs132/preview</a>		
	<b>Track : 02-IoT</b>									
1	Robotics	8 Weeks	July 22, 2024	September 13, 2024	September 21, 2024	<b>Dr. Kuldeep Narayan Tripathi</b>	<a href="https://onlinecourses.nptel.ac.in/noc24_me88/preview">https://onlinecourses.nptel.ac.in/noc24_me88/preview</a>			

	<b>(VII Sem)</b>	2	Smart Grid: Basics to Advanced Technologies	12 Weeks	July 22, 2024	October 11, 2024	November 3, 2024	<b>Dr Nishant Jain</b>	<a href="https://onlinecourses.nptel.ac.in/noc24_ee148/preview">https://onlinecourses.nptel.ac.in/noc24_ee148/preview</a>	
		3								
		<b>Track : 03- High Performance Computing</b>								
		1	Parameterized Algorithms	12 Weeks	July 22, 2024	October 11, 2024	November 3, 2024	<b>Dr. Ranjeet Kumar Singh</b>	<a href="https://onlinecourses.nptel.ac.in/noc24_cs117/preview">https://onlinecourses.nptel.ac.in/noc24_cs117/preview</a>	
		2	Statistical Learning for Reliability Analysis	12 Weeks	July 22, 2024	October 11, 2024	October 27, 2024	<b>Dr Dheeraj Kumar Dixit</b>	<a href="https://onlinecourses.nptel.ac.in/noc24_cs107/preview">https://onlinecourses.nptel.ac.in/noc24_cs107/preview</a>	
		3								
	<b>DE-3-CSE (VII SEM) Online</b>	1	Reinforcement Learning	12 Weeks	July 22, 2024	October 11, 2024	October 27, 2024	<b>Prof.Amit Manjwar</b>	<a href="https://onlinecourses.nptel.ac.in/noc24_cs102/preview">https://onlinecourses.nptel.ac.in/noc24_cs102/preview</a>	
		2	Big Data Computing	8 Weeks	August 19, 2024	October 11, 2024	October 26, 2024	<b>Dr. Devesh Kumar Lal</b>	<a href="https://onlinecourses.nptel.ac.in/noc24_cs130/preview">https://onlinecourses.nptel.ac.in/noc24_cs130/preview</a>	
		3	Design & Implementation of Human-Computer Interfaces	12 Weeks	July 22, 2024	October 11, 2024	November 2, 2024	<b>Dr Smita Parte</b>	<a href="https://onlinecourses.nptel.ac.in/noc24_cs126/preview">https://onlinecourses.nptel.ac.in/noc24_cs126/preview</a>	
	<b>DE-4-CSE (VII SEM) Online</b>	1	Deep Learning - IIT Ropar	12 Weeks	July 22, 2024	October 11, 2024	November 2, 2024	<b>Dr. Jaimala Jha</b>	<a href="https://onlinecourses.nptel.ac.in/noc24_cs114/preview">https://onlinecourses.nptel.ac.in/noc24_cs114/preview</a>	
		2	Approximation Algorithm	12 weeks	July 22, 2024	October 11, 2024	October 26, 2024	<b>Prof. Khushboo Agarwal</b>	<a href="https://onlinecourses.nptel.ac.in/noc24_cs97/preview">https://onlinecourses.nptel.ac.in/noc24_cs97/preview</a>	
		3	Deep Learning for Computer Vision	12 Weeks	July 22, 2024	October 11, 2024	October 26, 2024	<b>Dr.Jaimala Jha</b>	<a href="https://onlinecourses.nptel.ac.in/noc24_cs89/preview">https://onlinecourses.nptel.ac.in/noc24_cs89/preview</a>	
	<b>DE-3-CSD (VII SEM) Online</b>	1	C-Based VLSI Design	12 Weeks	July 22, 2024	October 11, 2024	November 3, 2024	<b>Dr. Devesh Kumar Lal</b>	<a href="https://onlinecourses.nptel.ac.in/noc24_cs122/preview">https://onlinecourses.nptel.ac.in/noc24_cs122/preview</a>	
		2	Applied Accelerated Artificial Intelligence	12 Weeks	July 22, 2024	October 11, 2024	October 27, 2024	<b>Dr.Jaimala Jha</b>	<a href="https://onlinecourses.nptel.ac.in/noc24_cs104/preview">https://onlinecourses.nptel.ac.in/noc24_cs104/preview</a>	
		3	Design & Implementation of Human-Computer Interfaces	12 Weeks	July 22, 2024	October 11, 2024	November 2, 2024	<b>Dr Smita Parte</b>	<a href="https://onlinecourses.nptel.ac.in/noc24_cs126/preview">https://onlinecourses.nptel.ac.in/noc24_cs126/preview</a>	
<b>DE-4-CSD (VII SEM) Online</b>	1	Algorithmic Game Theory	12 Weeks	July 22, 2024	October 11, 2024	October 27, 2024	<b>Dr. Rahul Dubey</b>	<a href="https://onlinecourses.nptel.ac.in/noc24_cs109/preview">https://onlinecourses.nptel.ac.in/noc24_cs109/preview</a>		
	2	Computer Vision	12 Weeks	July 22, 2024	October 11, 2024	November 3, 2024	<b>Prof. Khushboo Agarwal</b>	<a href="https://onlinecourses.nptel.ac.in/noc24_cs124/preview">https://onlinecourses.nptel.ac.in/noc24_cs124/preview</a>		
	3	Cloud Computing	12 Weeks	July 22, 2024	October 11, 2024	November 3, 2024	<b>Dr. Gagandeep Kaur</b>	<a href="https://onlinecourses.nptel.ac.in/noc24_cs118/preview">https://onlinecourses.nptel.ac.in/noc24_cs118/preview</a>		
	<b>Honor Specialization (V Sem)</b>	1	Dynamics of Structures (H110507)	12 Weeks	July 22, 2024	October 11, 2024	October 26, 2024		<a href="https://onlinecourses.nptel.ac.in/noc24_ce74/preview">https://onlinecourses.nptel.ac.in/noc24_ce74/preview</a>	
		2	Introduction to Engineering Seismology (H110509)	12 Weeks	July 22, 2024	October 11, 2024	October 26, 2024		<a href="https://onlinecourses.nptel.ac.in/noc24_ce70/preview">https://onlinecourses.nptel.ac.in/noc24_ce70/preview</a>	
		3	Geosynthetics and Reinforced Soil Structures (H110513)	12 Weeks	July 22, 2024	October 11, 2024	October 26, 2024		<a href="https://onlinecourses.nptel.ac.in/noc24_ce63/preview">https://onlinecourses.nptel.ac.in/noc24_ce63/preview</a>	
		<b>Track : 02 : ENVIRONMENTAL ENGINEERING</b>								
		1	Municipal Solid Waste Management (H110510)	12 Weeks	July 22, 2024	October 11, 2024	October 26, 2024		<a href="https://onlinecourses.nptel.ac.in/noc24_ce77/preview">https://onlinecourses.nptel.ac.in/noc24_ce77/preview</a>	
		2	Environmental Chemistry (H110511)	12 Weeks	July 22, 2024	October 11, 2024	October 27, 2024		<a href="https://onlinecourses.nptel.ac.in/noc24_ce87/preview">https://onlinecourses.nptel.ac.in/noc24_ce87/preview</a>	
		3	Availability and Management of Groundwater Resources (H110512)	12 Weeks	July 22, 2024	October 11, 2024	November 2, 2024		<a href="https://onlinecourses.nptel.ac.in/noc24_ce106/preview">https://onlinecourses.nptel.ac.in/noc24_ce106/preview</a>	
		<b>Minor Specilization (V Sem)</b>	1	Building Materials & Composites (M110501)	8 Weeks	July 22, 2024	September 13, 2024	September 22, 2024		<a href="https://onlinecourses.nptel.ac.in/noc24_ar15/preview">https://onlinecourses.nptel.ac.in/noc24_ar15/preview</a>
			2	Strength of Materials (M110503)	12 Weeks	July 22, 2024	October 11, 2024	November 3, 2024		<a href="https://onlinecourses.nptel.ac.in/noc24_me145/preview">https://onlinecourses.nptel.ac.in/noc24_me145/preview</a>
	3		Fluid Mechanics (M110504)	12 Weeks	July 22, 2024	October 11, 2024	October 26, 2024		<a href="https://onlinecourses.nptel.ac.in/noc24_ce78/preview">https://onlinecourses.nptel.ac.in/noc24_ce78/preview</a>	
	<b>Honor Specialization (VII Sem)</b>	<b>Track : 01 STRUCTURE ENGINEERING</b>								
		1	Bridge Engineering (H110704)	12 Weeks	July 22, 2024	October 11, 2024	October 26, 2024		<a href="https://onlinecourses.nptel.ac.in/noc24_ce79/preview">https://onlinecourses.nptel.ac.in/noc24_ce79/preview</a>	
		2	Ground Improvement (H110705)	12 Weeks	July 22, 2024	October 11, 2024	October 27, 2024		<a href="https://onlinecourses.nptel.ac.in/noc24_ce94/preview">https://onlinecourses.nptel.ac.in/noc24_ce94/preview</a>	
		3	Earthquake Geotechnical Engineering (H110706)	12 Weeks	July 22, 2024	October 11, 2024	October 26, 2024		<a href="https://onlinecourses.nptel.ac.in/noc24_ce75/preview">https://onlinecourses.nptel.ac.in/noc24_ce75/preview</a>	
		4	Dynamics of Structures (H110507)	12 Weeks	July 22, 2024	October 11, 2024	October 26, 2024		<a href="https://onlinecourses.nptel.ac.in/noc24_ce74/preview">https://onlinecourses.nptel.ac.in/noc24_ce74/preview</a>	

Civil Engineering	Minor Specialization (VII Sem)	5	Introduction to Engineering Seismology (H110509)	12 Weeks	July 22, 2024	October 11, 2024	October 26, 2024	<a href="https://onlinecourses.nptel.ac.in/noc24_ce70/preview">https://onlinecourses.nptel.ac.in/noc24_ce70/preview</a>	
		<b>Track : 02 : ENVIRONMENTAL ENGINEERING</b>							
		1	Indoor Air Pollution: Sources, Effects, Monitoring, Control and	12 Weeks	July 22, 2024	October 11, 2024	October 27, 2024	<a href="https://onlinecourses.nptel.ac.in/noc24_ce102/preview">https://onlinecourses.nptel.ac.in/noc24_ce102/preview</a>	
		2	Environmental Modeling and Simulation (H110710)	12 Weeks	July 22, 2024	October 11, 2024	October 27, 2024	<a href="https://onlinecourses.nptel.ac.in/noc24_ce88/preview">https://onlinecourses.nptel.ac.in/noc24_ce88/preview</a>	
		3	An Introduction to Climate Dynamics, Variability and Monitoring	12 Weeks	July 22, 2024	October 11, 2024	October 27, 2024	<a href="https://onlinecourses.nptel.ac.in/noc24_ce100/preview">https://onlinecourses.nptel.ac.in/noc24_ce100/preview</a>	
		4	Municipal Solid Waste Management (H110510)	12 Weeks	July 22, 2024	October 11, 2024	October 26, 2024	<a href="https://onlinecourses.nptel.ac.in/noc24_ce77/preview">https://onlinecourses.nptel.ac.in/noc24_ce77/preview</a>	
		5	Environmental Chemistry (H110511)	12 Weeks	July 22, 2024	October 11, 2024	October 27, 2024	<a href="https://onlinecourses.nptel.ac.in/noc24_ce87/preview">https://onlinecourses.nptel.ac.in/noc24_ce87/preview</a>	
		6	Availability and Management of Groundwater Resources (H110512)	12 Weeks	July 22, 2024	October 11, 2024	November 2, 2024	<a href="https://onlinecourses.nptel.ac.in/noc24_ce106/preview">https://onlinecourses.nptel.ac.in/noc24_ce106/preview</a>	
		<b>Minor Specialization (VII Sem)</b>							
		1	Soil Mechanics / Geotechnical Engineering I (M110703)	12 Weeks	July 22, 2024	October 11, 2024	October 27, 2024	<a href="https://onlinecourses.nptel.ac.in/noc24_ce81/preview">https://onlinecourses.nptel.ac.in/noc24_ce81/preview</a>	
		2	Geometric Design of Highways (M110704)	12 Weeks	July 22, 2024	October 11, 2024	October 26, 2024	<a href="https://onlinecourses.nptel.ac.in/noc24_ce68/preview">https://onlinecourses.nptel.ac.in/noc24_ce68/preview</a>	
		3	Building Materials and Composites (M110501)	8 Weeks	July 22, 2024	September 13, 2024	September 22, 2024	<a href="https://onlinecourses.nptel.ac.in/noc24_ar15/preview">https://onlinecourses.nptel.ac.in/noc24_ar15/preview</a>	
		4	Strength of Materials (M110503)	12 Weeks	July 22, 2024	October 11, 2024	November 3, 2024	<a href="https://onlinecourses.nptel.ac.in/noc24_me145/preview">https://onlinecourses.nptel.ac.in/noc24_me145/preview</a>	
	5	Fluid Mechanics (M110504)	12 Weeks	July 22, 2024	October 11, 2024	October 26, 2024	<a href="https://onlinecourses.nptel.ac.in/noc24_ce78/preview">https://onlinecourses.nptel.ac.in/noc24_ce78/preview</a>		
	DE-3 (VII SEM) Online	1	Municipal Solid Waste Management (110761)	12 Weeks	July 22, 2024	October 11, 2024	October 26, 2024	<a href="https://onlinecourses.nptel.ac.in/noc24_ce77/preview">https://onlinecourses.nptel.ac.in/noc24_ce77/preview</a>	
		2	Principles of Construction Management (110763)	8 Weeks	July 22, 2024	September 13, 2024	September 21, 2024	<a href="https://onlinecourses.nptel.ac.in/noc24_ce57/preview">https://onlinecourses.nptel.ac.in/noc24_ce57/preview</a>	
		3	Railway Engineering (110767)	12 Weeks	July 22, 2024	October 11, 2024	October 26, 2024	<a href="https://onlinecourses.nptel.ac.in/noc24_ce81/preview">https://onlinecourses.nptel.ac.in/noc24_ce81/preview</a>	
	DE-4 (VII SEM) Online	1	Foundation Engineering (110765)	12 Weeks	July 22, 2024	October 11, 2024	October 27, 2024	<a href="https://onlinecourses.nptel.ac.in/noc24_ce112/preview">https://onlinecourses.nptel.ac.in/noc24_ce112/preview</a>	
		2	Remote Sensing & GIS (110766)	8 Weeks	July 22, 2024	September 13, 2024	September 21, 2024	<a href="https://onlinecourses.nptel.ac.in/noc24_ce60/preview">https://onlinecourses.nptel.ac.in/noc24_ce60/preview</a>	
		3	Indoor Air Pollution: Sources, Effects, Monitoring, Control and Modeling (110768)	12 Weeks	July 22, 2024	October 11, 2024	October 27, 2024	<a href="https://onlinecourses.nptel.ac.in/noc24_ce102/preview">https://onlinecourses.nptel.ac.in/noc24_ce102/preview</a>	
	AIR	DE-3 (VII Semester) online	1	Reinforcement Learning	12	22-Jul-24	11-Oct-24	27-Oct-24	Dr. Mir Shah Nawaz Ahmad
2			Industrial Robotics: Theories for Implementation	12	22-Jul-24	11-Oct-24	02-Nov-24	Dr. Pawan Dubey	
3			Software Testing	12	22-Jul-24	11-Oct-24	26-Oct-24	Ms. Shubha Mishra	
DE-4 (VII Semester) online		1	Deep Learning for Computer Vision	12	22-Jul-24	11-Oct-24	October 26, 2024	Dr. Vibha Tiwari	
		2	Big Data Computing (8 Weeks)	8	19-Aug-24	11-Oct-24	26-Oct-24	Dr. Bhagat Raghuvanshi	
		3	Mechanics and Control of Robotic Manipulators (8 Weeks)	8	22-Jul-24	13-Sep-24	22-Sep-24	Dr. Neeraj Mishra	
Honor Specialization Information security (VII Semester) online		1	Secure Computation Part-II	12	22-Jul-24	11-Oct-24	02-Nov-24	Dr. Shipra Shukla	
		2	Practical Cyber Security for Cyber Security Practitioners	12	22-Jul-24	11-Oct-24	26-Oct-24	Dr. Hardev Singh Pal	
		3	Cyber Security and Privacy	12	22-Jul-24	11-Oct-24	03-Nov-24	Dr. Tej Singh	
		4	Ethical Hacking	12	22-Jul-24	11-Oct-24	26-Oct-24	Dr. Rajni Ranjan Singh	
Honor Specialization IOT (VII Semester) online		1	Introduction to Industry 4.0 and Industrial IoT	12	22-Jul-24	11-Oct-24	26-Oct-24	Dr. Rahul Kumar	
		2	Distributed Systems	8	22-Jul-24	13-Sep-24	22-Sep-24	Shweta Chauhan	
		3	Introduction to Internet of Things	12	22-Jul-24	11-Oct-24	02-Nov-24	Dr. Sunil Kumar Shukla	
		4	Sensor Technology: Physics, Fabrication and Circuits	8	22-Jul-24	13-Sep-24	21-Sep-24	Dr. Abhishek Bhatt	

	<b>Honor Specialization High Performance Computing (VII Semester) online</b>	1	Advanced Distributed Systems	12	22-Jul-24	11-Oct-24	27-Oct-24	Ms. Shubha Mishra		
		2	Computational Complexity	12	22-Jul-24	11-Oct-24	27-Oct-24	Dr. Sanjeev Kumar Dwivedi		
		3	Multi-Core Computer Architecture	12	22-Jul-24	11-Oct-24	26-Oct-24	Dr. Rahul Kumar		
		4	Distributed System	8	22-Jul-24	13-Sep-24	22-Sep-24	Dr. Hardev Singh Pal		
	<b>Honor Specialization Information security (V Semester)</b>	1	Cyber Security and Privacy	12	22-Jul-24	11-Oct-24	03-Nov-24	Dr. Tej Singh		
		2	Ethical Hacking	12	22-Jul-24	11-Oct-24	26-Oct-24	Dr. Rajni Ranjan Singh		
	<b>Honor Specialization IOT (V Semester)</b>	1	Introduction to Internet of Things	12	22-Jul-24	11-Oct-24	02-Nov-24	Dr. Sunil Kumar Shukla		
		2	Sensor Technology: Physics, Fabrication and Circuits	8	22-Jul-24	13-Sep-24	21-Sep-24	Dr. Abhishek Bhatt		
	<b>Honor Specialization High Performance Computing (VII Semester) online</b>	1	Multi-Core Computer Architecture	12	22-Jul-24	11-Oct-24	26-Oct-24	Dr. Rahul Kumar		
		2	Distributed System	8	22-Jul-24	13-Sep-24	22-Sep-24	Dr. Hardev Singh Pal		
	<b>AI &amp; DS</b>	<b>DE-3 (VII Semester) online</b>	1	Responsible and Safe AI Systems	12	22-Jul-24	11-Oct-24	02-Nov-24	Mr. Arun Kumar	
			2	Deep Learning for Computer Vision	12	22-Jul-24	11-Oct-24	26-Oct-24	Dr. Vibha Tiwari	
3			Applied Accelerated AI	12	22-Jul-24	11-Oct-24	27-Oct-24	Dr. Tej Singh		
<b>DE-4 (VII Semester) online</b>		1	Big Data Computing	8	19-Aug-24	11-Oct-24	26-Oct-24	Dr. Bhagat Raghuvanshi		
		2	Software Testing	12	22-Jul-24	11-Oct-24	26-Oct-24	Ms. Shubha Mishra		
		3	Artificial Intelligence for Economics	8	22-Jul-24	13-Sep-24	22-Sep-24	Dr. Arun Kumar		
<b>Honor Specialization Information Security (VII Semester) online</b>		1	Secure Computation Part-II	12	22-Jul-24	11-Oct-24	02-Nov-24	Dr. Shipra Shukla		
		2	Practical Cyber Security for Cyber Security Practitioners	12	22-Jul-24	11-Oct-24	26-Oct-24	Dr. Hardev Singh Pal		
		3	Cyber Security and Privacy	12	22-Jul-24	11-Oct-24	03-Nov-24	Dr. Tej Singh		
		4	Ethical Hacking	12	22-Jul-24	11-Oct-24	26-Oct-24	Dr. Rajni Ranjan Singh		
<b>Honor Specialization IOT (VII Semester) online</b>		1	Introduction to Industry 4.0 and Industrial IoT	12	22-Jul-24	11-Oct-24	26-Oct-24	Dr. Rahul Kumar		
		2	Distributed Systems	8	22-Jul-24	13-Sep-24	22-Sep-24	Shweta Chauhan		
		3	Introduction to Internet of Things	12	22-Jul-24	11-Oct-24	02-Nov-24	Dr. Sunil Kumar Shukla		
		4	Sensor Technology: Physics, Fabrication and Circuits	8	22-Jul-24	13-Sep-24	21-Sep-24	Dr. Abhishek Bhatt		
<b>Honor Specialization High Performance Computing (VII Semester) online</b>		1	Advanced Distributed Systems	12	22-Jul-24	11-Oct-24	27-Oct-24	Ms. Shubha Mishra		
		2	Computational Complexity	12	22-Jul-24	11-Oct-24	27-Oct-24	Dr. Sanjeev Kumar Dwivedi		
		3	Multi-Core Computer Architecture	12	22-Jul-24	11-Oct-24	26-Oct-24	Dr. Rahul Kumar		
		4	Distributed System	8	22-Jul-24	13-Sep-24	22-Sep-24	Dr. Hardev Singh Pal		
<b>Honor Specialization Information security (V Semester)</b>		1	Cyber Security and Privacy	12	22-Jul-24	11-Oct-24	03-Nov-24	Dr. Tej Singh		
		2	Ethical Hacking	12	22-Jul-24	11-Oct-24	26-Oct-24	Dr. Rajni Ranjan Singh		
<b>Honor Specialization IOT (V Semester)</b>		1	Introduction to Internet of Things	12	22-Jul-24	11-Oct-24	02-Nov-24	Dr. Abhishek Bhatt		
		2	Sensor Technology: Physics, Fabrication and Circuits	8	22-Jul-24	13-Sep-24	21-Sep-24			
<b>Honor Specialization High Performance Computing (VII Semester) online</b>		1	Multi-Core Computer Architecture	12	22-Jul-24	11-Oct-24	26-Oct-24	Dr. Rahul Kumar		
		2	Distributed System	8	22-Jul-24	13-Sep-24	22-Sep-24	Dr. Hardev Singh Pal		

AIML	DE-3 (VII Semester) online	1	Responsible and Safe AI Systems	12	22-Jul-24	11-Oct-24	02-Nov-24	Dr. Arun Kumar	
		2	Deep Learning for Computer Vision	12	22-Jul-24	11-Oct-24	26-Oct-24	Dr. Vibha Tiwari	
		3	Applied Accelerated AI	12	22-Jul-24	11-Oct-24	27-Oct-24	Dr. Tej Singh	
	DE-4 (VII Semester) online	1	Big Data Computing	8	19-Aug-24	11-Oct-24	26-Oct-24	Dr. Bhagat Raghuvanshi	
		2	Software Testing	12	22-Jul-24	11-Oct-24	26-Oct-24	Ms. Shubha Mishra	
		3	Artificial Intelligence for Economics	8	22-Jul-24	13-Sep-24	22-Sep-24	Dr. Arun Kumar	
	Honor Specialization Information security (VII Semester) online	1	Secure Computation Part-II	12	22-Jul-24	11-Oct-24	02-Nov-24	Dr. Shipra Shukla	
		2	Practical Cyber Security for Cyber Security Practitioners	12	22-Jul-24	11-Oct-24	26-Oct-24	Dr. Hardev Singh Pal	
		3	Cyber Security and Privacy	12	22-Jul-24	11-Oct-24	03-Nov-24	Dr. Tej Singh	
		4	Ethical Hacking	12	22-Jul-24	11-Oct-24	26-Oct-24	Dr. Rajni Ranjan Singh	
	Honor Specialization IOT (VII Semester) online	1	Introduction to Industry 4.0 and Industrial IoT	12	22-Jul-24	11-Oct-24	26-Oct-24	Dr. Rahul Kumar	
		2	Distributed Systems	8	22-Jul-24	13-Sep-24	22-Sep-24	Shweta Chauhan	
		3	Introduction to Internet of Things	12	22-Jul-24	11-Oct-24	02-Nov-24	Dr. Sunil Kumar Shukla	
		4	Sensor Technology: Physics, Fabrication and Circuits	8	22-Jul-24	13-Sep-24	21-Sep-24	Dr. Abhishek Bhatt	
	Honor Specialization High Performance Computing (VII Semester) online	1	Advanced Distributed Systems	12	22-Jul-24	11-Oct-24	27-Oct-24	Ms. Shubha Mishra	
		2	Computational Complexity	12	22-Jul-24	11-Oct-24	27-Oct-24	Dr. Sanjeev Kumar Dwivedi	
		3	Multi-Core Computer Architecture	12	22-Jul-24	11-Oct-24	26-Oct-24	Dr. Rahul Kumar	
		4	Distributed System	8	22-Jul-24	13-Sep-24	22-Sep-24	Dr. Hardev Singh Pal	
	Honor Specialization Information security (V Semester) online	1	Cyber Security and Privacy	12	22-Jul-24	11-Oct-24	03-Nov-24	Dr. Tej Singh	
		2	Ethical Hacking	12	22-Jul-24	11-Oct-24	26-Oct-24	Dr. Rajni Ranjan Singh	
	Honor Specialization IOT (V Semester)	1	Introduction to Internet of Things	12	22-Jul-24	11-Oct-24	02-Nov-24	Dr. Sunil Kumar Shukla	
		2	Sensor Technology: Physics, Fabrication and Circuits	8	22-Jul-24	13-Sep-24	21-Sep-24	Dr. Abhishek Bhatt	
	Honor Specialization High Performance Computing (V Semester) online	1	Multi-Core Computer Architecture	12	22-Jul-24	11-Oct-24	26-Oct-24	Dr. Rahul Kumar	
		2	Distributed System	8	22-Jul-24	13-Sep-24	22-Sep-24	Dr. Hardev Singh Pal	
Minor Specialization (V Sem)	1	The Joy of Computing using Python	12	22-Jul-24	11-Oct-24	02-Nov-24	Dr. Shipra Shukla		
		Introduction To Machine Learning – IITKGP	8	22-Jul-24	13-Sep-24	22-Sep-24	Shweta Chouhan		
		Fundamentals of Artificial Intelligence	12	22-Jul-24	11-Oct-24	26-Oct-24	Dr. Neeraj Mishra		
		<b>Track : 01 (Energy Engineering)</b>							
		1	Artificial Lift	12 weeks	July 22, 2024	October 11, 2024	October 26, 2024	Prof. Anish P. Jacob	<a href="https://onlinecourses.nptel.ac.in/noc24_ch78/preview">https://onlinecourses.nptel.ac.in/noc24_ch78/preview</a>
		2	Energy Conversion Technologies (Biomass and Coal)	8 weeks	July 22, 2024	September 13, 2024	September 21, 2024	Prof. Shivangi Sharma	<a href="https://onlinecourses.nptel.ac.in/noc24_ch48/preview">https://onlinecourses.nptel.ac.in/noc24_ch48/preview</a>
		3	Hydrogen Energy: Production, Storage, Transportation and Safety	12 weeks	July 22, 2024	October 11, 2024	November 2, 2024	Dr. Shourabh Singh Raghuvanshi	<a href="https://onlinecourses.nptel.ac.in/noc24_ch73/preview">https://onlinecourses.nptel.ac.in/noc24_ch73/preview</a>
		<b>Track : 02 (Separation Processes)</b>							

<b>Chemical Engineering</b>	<b>Honor Specialization (V Sem)</b>	1	Thermal Processing of Foods	12 weeks	July 22, 2024	October 11, 2024	October 26, 2024	Prof. Swati Gupta	<a href="https://onlinecourses.nptel.ac.in/noc24_ch60/preview">https://onlinecourses.nptel.ac.in/noc24_ch60/preview</a>	
		2	Colloids and Surfaces	8 weeks	July 22, 2024	September 13, 2024	September 21, 2024	Prof. Shivangi Sharma	<a href="https://onlinecourses.nptel.ac.in/noc24_ch40/preview">https://onlinecourses.nptel.ac.in/noc24_ch40/preview</a>	
		<b>Track : 03 (Unit Operations)</b>								
		1	Rheology and Processing of Paints, Plastic, and Elastomer Based Composites	8 weeks	July 22, 2024	September 13, 2024	September 21, 2024	Prof. Shivangi Sharma	<a href="https://onlinecourses.nptel.ac.in/noc24_ch42/preview">https://onlinecourses.nptel.ac.in/noc24_ch42/preview</a>	
		2	Transport Phenomena of Non-Newtonian Fluids	12 weeks	July 22, 2024	October 11, 2024	October 27, 2024	Prof. Swati Gupta	<a href="https://onlinecourses.nptel.ac.in/noc24_ch67/preview">https://onlinecourses.nptel.ac.in/noc24_ch67/preview</a>	
		<b>Track : 04 (Polymer Technology)</b>								
		1	Introduction to Polymer Physics	12 weeks	July 22, 2024	October 11, 2024	October 27, 2024	Prof. Swati Gupta	<a href="https://onlinecourses.nptel.ac.in/noc24_ch65/preview">https://onlinecourses.nptel.ac.in/noc24_ch65/preview</a>	
		2	Polymer Process Engineering	12 weeks	July 22, 2024	October 11, 2024	October 26, 2024	Prof. Anish P. Jacob	<a href="https://onlinecourses.nptel.ac.in/noc24_ch55/preview">https://onlinecourses.nptel.ac.in/noc24_ch55/preview</a>	
		3	Polymers: concepts, properties, uses and sustainability	12 weeks	July 22, 2024	October 11, 2024	October 26, 2024	Dr. Shourabh Singh Raghuvanshi	<a href="https://onlinecourses.nptel.ac.in/noc24_ch50/preview">https://onlinecourses.nptel.ac.in/noc24_ch50/preview</a>	
		<b>Track : 05 (Environmental Engineering)</b>								
	1	Basic Environmental Engineering and Pollution Abatement	12 weeks	July 22, 2024	October 11, 2024	October 26, 2024	Dr. Shourabh Singh Raghuvanshi	<a href="https://onlinecourses.nptel.ac.in/noc24_ch53/preview">https://onlinecourses.nptel.ac.in/noc24_ch53/preview</a>		
	2	Trace and Ultra-trace Analysis of Metals using Atomic Absorption Spectrometry	8 weeks	July 22, 2024	September 13, 2024	September 21, 2024	Prof. Anish P. Jacob	<a href="https://onlinecourses.nptel.ac.in/noc24_ch39/preview">https://onlinecourses.nptel.ac.in/noc24_ch39/preview</a>		
	3									
	<b>Minor Specilization (V Sem)</b>	1	Heat Transfer	12 weeks	July 22, 2024	October 11, 2024	November 2, 2024	Dr. Shourabh Singh Raghuvanshi	<a href="https://onlinecourses.nptel.ac.in/noc24_ch72/preview">https://onlinecourses.nptel.ac.in/noc24_ch72/preview</a>	
		2	Chemical Reaction Engineering - I	12 weeks	July 22, 2024	October 11, 2024	October 27, 2024	Prof. Anish P. Jacob	<a href="https://onlinecourses.nptel.ac.in/noc24_ch69/preview">https://onlinecourses.nptel.ac.in/noc24_ch69/preview</a>	
		3	Mechanical Unit Operations	12 weeks	July 22, 2024	October 11, 2024	November 2, 2024	Prof. Shivangi Sharma	<a href="https://onlinecourses.nptel.ac.in/noc24_ch70/preview">https://onlinecourses.nptel.ac.in/noc24_ch70/preview</a>	
	<b>Honor Specialization (VII Sem)</b>	<b>Track : 01 (Energy Engineering)</b>								
		1	Technologies for Clean and Renewable Energy Production	8 weeks	July 22, 2024	September 13, 2024	September 21, 2024	Prof. Swati Gupta	<a href="https://onlinecourses.nptel.ac.in/noc24_ch43/preview">https://onlinecourses.nptel.ac.in/noc24_ch43/preview</a>	
		2	Enhanced Oil Recovery Techniques	12 weeks	July 22, 2024	October 11, 2024	October 26, 2024	Prof. Anish P. Jacob	<a href="https://onlinecourses.nptel.ac.in/noc24_ch61/preview">https://onlinecourses.nptel.ac.in/noc24_ch61/preview</a>	
		3	Petroleum Formation Evaluation	12 weeks	July 22, 2024	October 11, 2024	October 27, 2024	Prof. Shivangi Sharma	<a href="https://onlinecourses.nptel.ac.in/noc24_ch63/preview">https://onlinecourses.nptel.ac.in/noc24_ch63/preview</a>	
		<b>Track : 02 (Separation Processes)</b>								
		1	Adsorption Science and Technology: Fundamentals and Applications	8 weeks	July 22, 2024	September 13, 2024	September 22, 2024	Prof. Shivangi Sharma	<a href="https://onlinecourses.nptel.ac.in/noc24_ch47/preview">https://onlinecourses.nptel.ac.in/noc24_ch47/preview</a>	
		2	Thermal Operations in Food Process Engineering: Theory and Applications	12 weeks	July 22, 2024	October 11, 2024	October 26, 2024	Dr. Shourabh Singh Raghuvanshi	<a href="https://onlinecourses.nptel.ac.in/noc24_ag16/preview">https://onlinecourses.nptel.ac.in/noc24_ag16/preview</a>	
		<b>Track : 03 (Unit Operations)</b>								
		1	Solid-Fluid Operations	12 weeks	July 22, 2024	October 11, 2024	October 26, 2024	Prof. Swati Gupta	<a href="https://onlinecourses.nptel.ac.in/noc24_ch56/preview">https://onlinecourses.nptel.ac.in/noc24_ch56/preview</a>	
		2	Principles of Downstream Techniques in Bioprocess	12 weeks	July 22, 2024	October 11, 2024	November 2, 2024	Prof. Anish P. Jacob	<a href="https://onlinecourses.nptel.ac.in/noc24_bt55/preview">https://onlinecourses.nptel.ac.in/noc24_bt55/preview</a>	
		<b>Track : 04 (Polymer Technology)</b>								
		1	Fundamentals of Protein Chemistry	12 weeks	July 22, 2024	October 11, 2024	November 3, 2024	Dr. Shourabh Singh Raghuvanshi	<a href="https://onlinecourses.nptel.ac.in/noc24_cv57/preview">https://onlinecourses.nptel.ac.in/noc24_cv57/preview</a>	
		2	Mechanical Behavior of Polymers and Composites	12 weeks	July 22, 2024	October 11, 2024	November 3, 2024	Prof. Anish P. Jacob	<a href="https://onlinecourses.nptel.ac.in/noc24_me149/preview">https://onlinecourses.nptel.ac.in/noc24_me149/preview</a>	
		<b>Track : 05 (Environmental Engineering)</b>								
		1	Environmental Chemistry	12 weeks	July 22, 2024	October 11, 2024	October 27, 2024	Prof. Swati Gupta	<a href="https://onlinecourses.nptel.ac.in/noc24_ce87/preview">https://onlinecourses.nptel.ac.in/noc24_ce87/preview</a>	
		2	Environmental Modeling and Simulation	12 weeks	July 22, 2024	October 11, 2024	October 27, 2024	Dr. Shourabh Singh Raghuvanshi	<a href="https://onlinecourses.nptel.ac.in/noc24_ce88/preview">https://onlinecourses.nptel.ac.in/noc24_ce88/preview</a>	
3		Municipal Solid Waste Management	12 weeks	July 22, 2024	October 11, 2024	October 26, 2024	Prof. Shivangi Sharma	<a href="https://onlinecourses.nptel.ac.in/noc24_ce77/preview">https://onlinecourses.nptel.ac.in/noc24_ce77/preview</a>		
1		Fluidization Engineering	12 weeks	July 22, 2024	October 11, 2024	October 26, 2024	Prof. Shivangi Sharma	<a href="https://onlinecourses.nptel.ac.in/noc24_ch57/preview">https://onlinecourses.nptel.ac.in/noc24_ch57/preview</a>		

	<b>Minor Specilization (VII Sem)</b>	2	Polymers: concepts, properties, uses and sustainability	12 weeks	July 22, 2024	October 11, 2024	October 26, 2024	Dr. Shourabh Singh Raghuwanshi	<a href="https://onlinecourses.nptel.ac.in/noc24_ch50/preview">https://onlinecourses.nptel.ac.in/noc24_ch50/preview</a>
		3	Transport Phenomena of Non- Newtonian Fluids	12 weeks	July 22, 2024	October 11, 2024	October 27, 2024	Prof. Swati Gupta	<a href="https://onlinecourses.nptel.ac.in/noc24_ch67/preview">https://onlinecourses.nptel.ac.in/noc24_ch67/preview</a>
		1	Chemical Process Safety	12 weeks	July 22, 2024	October 11, 2024	November 3, 2024	Dr. Shourabh Singh Raghuwanshi	<a href="https://onlinecourses.nptel.ac.in/noc24_ch74/preview">https://onlinecourses.nptel.ac.in/noc24_ch74/preview</a>
	<b>DE-3 (VII SEM) Online</b>	2	Sustainable Energy Technology	12 weeks	July 22, 2024	October 11, 2024	November 3, 2024	Prof. Swati Gupta	<a href="https://onlinecourses.nptel.ac.in/noc24_me144/preview">https://onlinecourses.nptel.ac.in/noc24_me144/preview</a>
		3	Fluidization Engineering	12 weeks	July 22, 2024	October 11, 2024	October 26, 2024	Prof. Shivangi Sharma	<a href="https://onlinecourses.nptel.ac.in/noc24_ch57/preview">https://onlinecourses.nptel.ac.in/noc24_ch57/preview</a>
		1	Petroleum Reservoir Engineering	8 weeks	August 19, 2024	October 11, 2024	October 26, 2024	Prof. Anish P. Jacob	<a href="https://onlinecourses.nptel.ac.in/noc24_ch77/preview">https://onlinecourses.nptel.ac.in/noc24_ch77/preview</a>
	<b>DE-4 (VII SEM) Online</b>	2	Petroleum Technology	8 weeks	July 22, 2024	September 13, 2024	September 21, 2024	Prof. Shivangi Sharma	<a href="https://onlinecourses.nptel.ac.in/noc24_ch41/preview">https://onlinecourses.nptel.ac.in/noc24_ch41/preview</a>
		3	Chemical Process Intensification	12 weeks	July 22, 2024	October 11, 2024	October 26, 2024	Prof. Swati Gupta	<a href="https://onlinecourses.nptel.ac.in/noc24_ch58/preview">https://onlinecourses.nptel.ac.in/noc24_ch58/preview</a>
		1	Principles And Applications Of Building Science	4	22-Jul-24	08-16-2024	21-Sep-24	Dr. Anjali S Patil	<a href="https://onlinecourses.nptel.ac.in/noc24_ar10/preview">https://onlinecourses.nptel.ac.in/noc24_ar10/preview</a>
<b>Architecture</b>	<b>SEC- 6 (V SEM) Online</b>	2	Introduction To Interaction Design	4	19-Aug-24	09-13-2024	26-Oct-24	Dr. Sanjay S Jadon	<a href="https://onlinecourses.nptel.ac.in/noc24_ar23/preview">https://onlinecourses.nptel.ac.in/noc24_ar23/preview</a>
		3	International Studies In Vernacular Architecture	4	19-Aug-24	09-13-2024	26-Oct-24	Ar. Versha Sinha	<a href="https://onlinecourses.nptel.ac.in/noc24_ar22/preview">https://onlinecourses.nptel.ac.in/noc24_ar22/preview</a>
		1	Sustainable Architecture	12	22-Jul-24	10-11-2024	26-Oct-24	Dr. Anjali S Patil	<a href="https://onlinecourses.nptel.ac.in/noc24_ar16/preview">https://onlinecourses.nptel.ac.in/noc24_ar16/preview</a>
	<b>DE-5 (VII SEM) Online</b>	2	Building Materials as a Cornerstone to Sustainability	12	22-Jul-24	10-11-2024	27-Oct-24	Dr. Sanjay S Jadon	<a href="https://onlinecourses.nptel.ac.in/noc24_ar20/preview">https://onlinecourses.nptel.ac.in/noc24_ar20/preview</a>
		3	Architectural Approaches to Decarbonization of Buildings	12	22-Jul-24	10-11-2024	03-Nov-24	Ar. Versha Sinha	<a href="https://onlinecourses.nptel.ac.in/noc24_ar21/preview">https://onlinecourses.nptel.ac.in/noc24_ar21/preview</a>
		1	Ordinary Differential Equations	12	22-Jul-24	11-Oct-24	02-Nov-24	Prof. Kaushik Bal from IIT Kanpur	Dr. Minakshi Dahiya
<b>Engineering Mathematics and Computing (MAC)</b>	<b>Minor Specialization (V Semester)</b>	2	Partial Differential Equations	12	22-Jul-24	11-Oct-24	02-Nov-24	Prof. Sivaji Ganesh from IIT Bombay	Dr. Minakshi Dahiya
		3	Linear Algebra	12	22-Jul-24	11-Oct-24	02-Nov-24	Prof. Dilip P. Patil from IISc Bangalore	Dr. Minakshi Dahiya
		1	Artificial Intelligence : Search Methods For Problem solving	12	22-Jul-24	11-Oct-24	26-Oct-24	Prof. Deepak Khemani from IIT Madras	Dr. Minakshi Dahiya
	<b>Honor Specialization (V Semester)</b>	2	Applied Accelerated Artificial Intelligence	12	22-Jul-24	11-Oct-24	27-Oct-24	Prof. Satyajit Das from IIT Palakkad	Dr. Minakshi Dahiya
		3	Introduction to Machine Learning	12	22-Jul-24	11-Oct-24	27-Oct-24	Prof. Balaraman Ravindran from IIT Madras	Dr. Minakshi Dahiya
		1	Ethical Haking	12	22-Jul-24	11-Oct-24	26-Oct-24	Prof. Indranil Sengupta from IIT Kharagpur	Dr. Minakshi Dahiya
	<b>DE-3 (VII SEM) Online</b>	2	Computational Complexity	12	22-Jul-24	11-Oct-24	27-Oct-24	Prof. Subrahmanyam Kalyanasundaram from IIT Hyderabad	Dr. Minakshi Dahiya
		3	Approximation Algorithm	12	22-Jul-24	11-Oct-24	26-Oct-24	Prof. Palash Day from IIT Kharagpur	Dr. Minakshi Dahiya
		1	Deep Learning	12	22-Jul-24	11-Oct-24	03-Nov-24	Prof. Sudarshan Iyengar from IIT Ropar	Dr. Minakshi Dahiya
	<b>DE-4 (VII SEM)</b>	2	Digital Image Processing	12	22-Jul-24	11-Oct-24	03-Nov-24	Prof. Prabir Kumar Biswash from IIT Kharagpur	Dr. Minakshi Dahiya
		3	Advanced Distributed Systems	12	22-Jul-24	11-Oct-24	27-Oct-24	Prof. Smruti Ranjan Sarangi, from IIT Delhi	Dr. Minakshi Dahiya
		1	Introduction To Methods of Applied Mathematics	12	22-Jul-24	11-Oct-24	03-Nov-24	Prof. Mani Mehra, Prof. Vivek K. Aggarwal from IIT Delhi, DTU Delhi	Dr. Minakshi Dahiya
<b>Minor Specialization (VII Semester)</b>	2	Mathematical Methods and its Applications	12	22-Jul-24	11-Oct-24	03-Nov-24	Prof. P. N. Agarwal, Prof. S. K. Gupta from IIT Roorkee	Dr. Minakshi Dahiya	
	3	Matrix Computation and its Applications	12	22-Jul-24	11-Oct-24	03-Nov-24	Prof. Mani Mehra, Prof. Vivek K. Aggarwal from IIT Delhi, DTU Delhi	Dr. Minakshi Dahiya	
	1	Machine Learning and Deep Learning - Fundamentals and Applications	12	22-Jul-24	11-Oct-24	03-Nov-24	Prof. M. K. Bhuyan from IIT Guwahati	Dr. Minakshi Dahiya	
<b>Honor Specialization (VII Semester)</b>	2	Getting Started with Competitive Programming	12	22-Jul-24	11-Oct-24	27-Oct-24	Prof. Neeldhara Misra from IIT Gandhinagar	Dr. Minakshi Dahiya	
	3	Computer Vision	12	22-Jul-24	11-Oct-24	03-Nov-24	Prof. Jayanta Mukhopadhyay from IIT Kharagpur	Dr. Minakshi Dahiya	