

MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR

(A Govt. Aided UGC Autonomous & NAAC Accredited Institute Affiliated to RGPV, Bhopal)

List of offered Department Elective/Open Category/Honor/Minor courses for UG VI and VIII semester for session Jan-June 2023

Name of Department	Category	S.No.	Full Name of Course	Weeks	Start Date	End Date	Exam Date	Mentor of our Institute	MITS MOOC (Yes/No)	Link of course from SWAYAM	
Civil Engineering	DE-5 (VIII Semester)	1	110851, Safety in Construction	08 Weeks	Mar 17, 2023	Mar 26, 2023	Mar 26, 2023	Dr. S.K. Jain	NO	https://onlinecourses.nptel.ac.in/noc23_ce42	
		2	110856, Rock Engineering	12 Weeks	Jan 23, 2023	Apr 14, 2023	Apr 29, 2023	Mr. Shalendra Hariouh	NO	https://onlinecourses.nptel.ac.in/noc23_ce13	
		3	110857, Strategies for Sustainable Design	12 Weeks	Jan 23, 2023	Apr 14, 2023	Apr 30, 2023	Dr. Abhilash Shukla	NO	https://onlinecourses.nptel.ac.in/noc23_ce01	
	OC-4 (VIII Semester)	1	900614, Natural Hazards	08 Weeks	Jan 23, 2023	Mar 17, 2023	Mar 26, 2023	Mr. Shalendra Hariouh	NO	https://onlinecourses.nptel.ac.in/noc23_ce55	
		2	9006XX, Safety in Construction	08 Weeks	Jan 23, 2023	Mar 17, 2023	Mar 26, 2023	Prof. A. Tiwari	NO	https://onlinecourses.nptel.ac.in/noc23_ce42	
		3	9006XX, Geographic Information Systems	12 Weeks	Jan 23, 2023	Apr 14, 2023	Apr 29, 2023	Dr. Jayvant Choudhary	NO	https://onlinecourses.nptel.ac.in/noc23_ce16	
	Honor Specialization (VIII Sem)	1	Probability Methods in Civil Engineering (H110801)	12 Weeks	Jan 23, 2023	Apr 14, 2023	Apr 29, 2023	Dr. Hemant Shrivastava	NO	https://onlinecourses.nptel.ac.in/noc23_ce27	
		2	Soil Structure Interaction (H110802)	12 Weeks	Jan 23, 2023	Apr 14, 2023	Apr 29, 2023	Dr. Chayan Gupta	NO	https://onlinecourses.nptel.ac.in/noc23_ce34	
		3	Retrofitting & Rehabilitation of Civil Infrastructure (H110803)	12 Weeks	Jan 23, 2023	Apr 14, 2023	Apr 29, 2023	Prof. A. Tiwari	NO	https://onlinecourses.nptel.ac.in/noc23_ce36	
		4	Digital Land Surveying & Mapping (H110804)	08 Weeks	Jan 23, 2023	Mar 17, 2023	Mar 26, 2023	Dr. Jayvant Choudhary	NO	https://onlinecourses.nptel.ac.in/noc23_ce05	
		5	Structural Dynamics (H110601)	12 Weeks	Jan 23, 2023	Apr 14, 2023	Apr 29, 2023	Dr. Hemant Shrivastava	NO	https://onlinecourses.nptel.ac.in/noc23_ce07	
		6	Geology & Soil Mechanics (H110602)	12 Weeks	Jan 23, 2023	Apr 14, 2023	Apr 29, 2023	Mr. Shalendra Hariouh	NO	https://onlinecourses.nptel.ac.in/noc23_ce02	
		7	Geographical Information Systems (H110604)	12 Weeks	Jan 23, 2023	Apr 14, 2023	Apr 29, 2023	Dr. Jayvant Choudhary	NO	https://onlinecourses.nptel.ac.in/noc23_ce16	
		8	Environmental Impact Assessment (H110605)	12 Weeks	Jan 23, 2023	Apr 14, 2023	Apr 30, 2023	Prof. A.K. Agarwal	NO	https://onlinecourses.nptel.ac.in/noc23_ar04	
	Minor Specialization (VIII Semester)	1	Strategies for Sustainable Design (M110801)	12 Weeks	Jan 23, 2023	Apr 14, 2023	Apr 30, 2023	Dr. Abhilash Shukla	NO	https://onlinecourses.nptel.ac.in/noc23_ce01	
		2	Rural Water Resources Management (M110802)	12 Weeks	Jan 23, 2023	Apr 14, 2023	Apr 29, 2023	Dr. M.K. Trivedi	NO	https://onlinecourses.nptel.ac.in/noc23_ge12	
		3	Hydraulic Engineering (M110601)	12 Weeks	Jan 23, 2023	Apr 14, 2023	Apr 29, 2023	Dr. M.K. Trivedi	NO	https://onlinecourses.nptel.ac.in/noc23_ce35	
		4	Water & Wastewater Treatment (M110602)	12 Weeks	Jan 23, 2023	Apr 14, 2023	Apr 29, 2023	Prof. A.K. Agarwal	NO	https://onlinecourses.nptel.ac.in/noc23_ce12	
		5	Introduction to Civil Engineering Profession (M110603)	08 Weeks	Jan 23, 2023	Mar 17, 2023	Mar 26, 2023	Prof. A.K. Saxena	NO	https://onlinecourses.nptel.ac.in/noc23_ce19	
	DE-1 (VI Semester)	1	Concrete Technology (1106XX)	12 Weeks	Jan 23, 2023	Apr 14, 2023	Apr 29, 2023	Dr. Chayan Gupta	NO	https://onlinecourses.nptel.ac.in/noc23_ce32	
		2	Air Pollution & Control (1106XX)	12 Weeks	Jan 23, 2023	Apr 14, 2023	Apr 29, 2023	Dr. Sanjay Tiwari	NO	https://onlinecourses.nptel.ac.in/noc23_ce50	
		3	Air Pollution & Control (1106XX)	12 Weeks	Jan 23, 2023	Apr 14, 2023	Apr 30, 2023	Prof. A.K. Agarwal	NO	https://onlinecourses.nptel.ac.in/noc23_ce14	
	Honor Specialization (VI Semester)	1	Structural Dynamics (H110601)	12 Weeks	Jan 23, 2023	Apr 14, 2023	Apr 29, 2023	Dr. Hemant Shrivastava	NO	https://onlinecourses.nptel.ac.in/noc23_ce07	
		2	Environmental Impact Assessment (H110605)	12 Weeks	Jan 23, 2023	Apr 14, 2023	Apr 30, 2023	Prof. A.K. Agarwal	NO	https://onlinecourses.nptel.ac.in/noc23_ar04	
		3	Construction Methods & Equipment Management (H110606)	08 Weeks	Mar 17, 2023	Mar 26, 2023	Mar 26, 2023	Dr. M.K. Trivedi	NO	https://onlinecourses.nptel.ac.in/noc23_ce46	
	Minor Specialization (VI Semester)	1	Hydraulic Engineering (M110601)	12 Weeks	Jan 23, 2023	Apr 14, 2023	Apr 29, 2023	Dr. M.K. Trivedi	NO	https://onlinecourses.nptel.ac.in/noc23_ce35	
		2	Water & Wastewater Treatment (M110602)	12 Weeks	Jan 23, 2023	Apr 14, 2023	Apr 29, 2023	Prof. A.K. Agarwal	NO	https://onlinecourses.nptel.ac.in/noc23_ce12	
	Mechanical Engineering	DE-5 (VIII Semester)	1	Quality Design and Control	12 Weeks	23 Jan 2023	14 Apr 2023	29 Apr 2023	Dr Sharad Aggarwal	NO	https://onlinecourses.nptel.ac.in/noc23_mg51/preview
2			Robotics: Basics and Selected Advanced Concepts	12 Weeks	23 Jan 2023	14 Apr 2023	30 Apr 2023	Dr Nitin Upadhyay	NO	https://onlinecourses.nptel.ac.in/noc23_me67/preview	
3			Carbon materials and manufacturing	12 Weeks	23 Jan 2023	14 Apr 2023	29 Apr 2023	Dr Dinesh Rathore	NO	https://onlinecourses.nptel.ac.in/noc23_mm14/preview	
OC-4 (VIII Semester)		1	Waste to Energy Conversion	8 Weeks	23 Jan 2023	17 Mar 2023	26 Mar 2023	Dr Ravi Kant Ranjan	NO	https://onlinecourses.nptel.ac.in/noc23_ch05/preview	
		2	Product Design and Manufacturing	12 Weeks	23 Jan 2023	14 Apr 2023	29 Apr 2023	Dr Amit Aherwar	NO	https://onlinecourses.nptel.ac.in/noc23_me14/preview	
		3	Automatic Control	8 Weeks	23 Jan 2023	17 Mar 2023	26 Mar 2023	Dr Neeraj Mishra	NO	https://onlinecourses.nptel.ac.in/noc23_me15/preview	
Honor Specialization (VIII Sem)		1	Computer Integrated Manufacturing	12 Weeks	23 Jan 2023	14 Apr 2023	29 Apr 2023	Dr Amit Aherwar	NO	https://onlinecourses.nptel.ac.in/noc23_me13/preview	
		2	Solar Photovoltaic: Principles, Technologies & Materials	8 Weeks	23 Jan 2023	17 Mar 2023	26 Mar 2023	Dr C.S Malvi	NO	https://onlinecourses.nptel.ac.in/noc23_mm10/preview	
Minor Specialization (VIII Semester)		1	Computational fluid Dynamics for incompressible flows	8 Weeks	23 Jan 2023	14 Apr 2023	29 Apr 2023	Dr M.K Gaur	NO	https://onlinecourses.nptel.ac.in/noc23_me04/preview	
		2	Mechanics of Machining	8 Weeks	23 Jan 2023	17 Mar 2023	26 Mar 2023	Prof Vedansh Chaturvedi	NO	https://onlinecourses.nptel.ac.in/noc23_me16/preview	
DE-1 (VI Semester)		1	Fundamental of welding science and technology	8 Weeks	23 Jan 2023	17 Mar 2023	26 Mar 2023	Prof R.P.Ki	NO	https://onlinecourses.nptel.ac.in/noc23_me20/preview	
		2	Viscous fluid flow	12 Weeks	23 Jan 2023	14 Apr 2023	30 Apr 2023	Prof B.K Pandey	NO	https://onlinecourses.nptel.ac.in/noc23_me57/preview	
		3	Properties of materials (Nature and properties of materials:III)	8 Weeks	20 Feb 2023	14 Apr 2023	29 Apr 2023	Dr Surendra Chourasiya	NO	https://onlinecourses.nptel.ac.in/noc23_mm08/preview	
Honor Specialization (VI Semester)		1	IC Engines and Gas Turbines	12 Weeks	23 Jan 2023	14 Apr 2023	30 Apr 2023	Dr Jyoti Vimal	NO	https://onlinecourses.nptel.ac.in/noc23_me55/preview	
		2	Theory and Practice of Non Destructive Testing	8 Weeks	23 Jan 2023	17 Mar 2023	26 Mar 2023	Dr Dinesh Rathore	NO	https://onlinecourses.nptel.ac.in/noc23_mm05/preview	
Minor Specialization (VI Semester)		1	Fundamental of Combustion	12 Weeks	23 Jan 2023	14 Apr 2023	29 Apr 2023	Dr M.K Gaur	NO	https://onlinecourses.nptel.ac.in/noc23_me27/preview	
		2	Introduction to Mechanical Micro Machining	12 Weeks	23 Jan 2023	14 Apr 2023	30 Apr 2023	Dr Gavendra Norkey	NO	https://onlinecourses.nptel.ac.in/noc23_me43/preview	
Automobile Engineering		DE-5 (VIII Semester)	1	Fundamentals of theoretical and experimental Aerodynamics	12 Weeks	23 Jan 2023	14 Apr 2023	30 Apr 2023	Prof B.K Pandey	NO	https://onlinecourses.nptel.ac.in/noc23_ee06/preview
			2	Experimental stress analysis	12 Weeks	23 Jan 2023	14 Apr 2023	30 Apr 2023	Prof Vaibhav Shivhare	NO	https://onlinecourses.nptel.ac.in/noc23_me11/preview
		OC-4 (VIII Semester)	1	Waste to Energy Conversion	8 Weeks	23 Jan 2023	17 Mar 2023	26 Mar 2023	Dr Ravi Kant Ranjan	NO	https://onlinecourses.nptel.ac.in/noc23_ch05/preview
			2	Product Design and Manufacturing	12 Weeks	23 Jan 2023	14 Apr 2023	29 Apr 2023	Dr Amit Aherwar	NO	https://onlinecourses.nptel.ac.in/noc23_me14/preview
			3	Automatic Control	8 Weeks	23 Jan 2023	17 Mar 2023	26 Mar 2023	Dr Neeraj Mishra	NO	https://onlinecourses.nptel.ac.in/noc23_me15/preview
	Honor Specialization (VIII Sem)	1	Computer Integrated Manufacturing	12 Weeks	23 Jan 2023	14 Apr 2023	29 Apr 2023	Dr Amit Aherwar	NO	https://onlinecourses.nptel.ac.in/noc23_me13/preview	
		2	Solar Photovoltaic: Principles, Technologies & Materials	8 Weeks	23 Jan 2023	17 Mar 2023	26 Mar 2023	Dr C.S Malvi	NO	https://onlinecourses.nptel.ac.in/noc23_mm10/preview	
	Minor Specialization (VIII Semester)	1	Computational fluid Dynamics for incompressible flows	12 Weeks	23 Jan 2023	14 Apr 2023	29 Apr 2023	Dr M.K Gaur	NO	https://onlinecourses.nptel.ac.in/noc23_me04/preview	
		2	Mechanics of Machining	8 Weeks	23 Jan 2023	17 Mar 2023	26 Mar 2023	Prof Vedansh Chaturvedi	NO	https://onlinecourses.nptel.ac.in/noc23_me16/preview	
	DE-1 (VI Semester)	1	Fundamentals of Automotive system	12 Weeks	23 Jan 2023	14 Apr 2023	29 Apr 2023	Prof. A.S Rajput	NO	https://onlinecourses.nptel.ac.in/noc23_de01/preview	
		2	Viscous fluid flow	12 Weeks	23 Jan 2023	14 Apr 2023	30 Apr 2023	Prof B.K Pandey	NO	https://onlinecourses.nptel.ac.in/noc23_me57/preview	
	Honor Specialization (VI Semester)	1	IC Engines and Gas Turbines	12 Weeks	23 Jan 2023	14 Apr 2023	30 Apr 2023	Dr Jyoti Vimal	NO	https://onlinecourses.nptel.ac.in/noc23_me55/preview	
		2	Theory and Practice of Non Destructive Testing	8 Weeks	23 Jan 2023	17 Mar 2023	26 Mar 2023	Dr Dinesh Rathore	NO	https://onlinecourses.nptel.ac.in/noc23_mm05/preview	
	Minor Specialization (VI Semester)	1	Fundamental of Combustion	12 Weeks	23 Jan 2023	14 Apr 2023	29 Apr 2023	Dr M.K Gaur	NO	https://onlinecourses.nptel.ac.in/noc23_me27/preview	
		2	Introduction to Mechanical Micro Machining	12 Weeks	23 Jan 2023	14 Apr 2023	30 Apr 2023	Dr Gavendra Norkey	NO	https://onlinecourses.nptel.ac.in/noc23_me43/preview	
	DE-5 (VIII Semester)	1	Introduction to Internet of things	12 Weeks	January 23, 2023	April 14, 2023	April 30, 2023	Prof. Bhavna Rathore	No	https://onlinecourses.nptel.ac.in/noc23_cs51/preview	
		2	Power System Dynamics, Control and Monitoring	12 Weeks	January 23, 2023	April 14, 2023	April 29, 2023	Dr. Himmat Singh	No	https://onlinecourses.nptel.ac.in/noc23_ee51/preview	
		3	Microprocessors and Interfacing	12 Weeks	January 23, 2023	April 14, 2023	April 30, 2023	Prof. Kuldeep K. Swarnkar	No	https://onlinecourses.nptel.ac.in/noc23_ee06/preview	
		4	Industrial Automation And Control	12 Weeks	January 23, 2023	April 14, 2023	April 29, 2023	Prof. Manoj Kumar	No	https://onlinecourses.nptel.ac.in/noc23_ee58/preview	
		1	Renewable Energy Engineering: Solar, Wind and Biomass Energy Systems	12 Weeks	January 23, 2023	April 14, 2023	April 30, 2023	Prof. Kuldeep K. Swarnkar	No	https://onlinecourses.nptel.ac.in/noc23_ch35/preview	

Electrical Engineering	OC-4 (VIII Semester)	2	Non-conventional energy Resources	12 Weeks	January 23, 2023	April 14, 2023	April 30, 2023	Prof. Nikhil Palwal	No	https://onlinecourses.nptel.ac.in/noc23_ee04/preview
		3	Smart Grid: Basics to Advanced Technologies	12 Weeks	January 23, 2023	April 14, 2023	April 30, 2023	Dr.Himmat Singh	No	https://onlinecourses.nptel.ac.in/noc23_ee00/preview
		4	Waste to Energy Conversion	08 Weeks	January 23, 2023	March 17, 2023	March 26, 2023	Prof. Vishal Chaudhary	No	https://onlinecourses.nptel.ac.in/noc23_ch05/preview
		1	Sensors and Actuators	12 Weeks	January 23, 2023	April 14, 2023	April 30, 2023	Dr. Saurabh K Rajput	No	https://onlinecourses.nptel.ac.in/noc23_ee06/preview
	Honor Specialization (VIII Sem)	2	Cloud Computing and Distributed Systems	08 Weeks	January 23, 2023	March 17, 2023	March 26, 2023	Dr K.P. Singh	No	https://onlinecourses.nptel.ac.in/noc23_cs27/preview
		3	Fuzzy Sets, Logic and Systems & Applications	12 Weeks	January 23, 2023	April 14, 2023	April 29, 2023	Dr Vikram.	No	https://onlinecourses.nptel.ac.in/noc23_ee21/preview
		4	Introduction To Soft Computing	08 Weeks	January 23, 2023	March 17, 2023	March 26, 2023	Dr Murl Manohar	No	https://onlinecourses.nptel.ac.in/noc23_cs40/preview
		5	Introduction to Embedded System Design	12 Weeks	January 23, 2023	April 14, 2023	April 29, 2023	Dr Bhavna Rathore	No	https://onlinecourses.nptel.ac.in/noc23_cs06/preview
		6	Data Base Management System	08 Weeks	January 23, 2023	March 17, 2023	March 26, 2023	Dr Gaurav Khare	No	https://onlinecourses.nptel.ac.in/noc23_cs41/preview
		1	Electrical Machines - II (Track A: Power Systems and Power Elect	12 Weeks	January 23, 2023	April 14, 2023	April 29, 2023	Prof Praveen Bansal	No	https://onlinecourses.nptel.ac.in/noc23_ee55/preview
	Minor Specialization (VIII Semester)	2	Fundamental of Power Electronics (Track A)	12 Weeks	January 23, 2023	April 14, 2023	April 30, 2023	Prof Ankit Tiwari	No	https://onlinecourses.nptel.ac.in/noc23_ee03/preview
		3	Network Analysis (Track A: Power Systems and Power Electronics	12 Weeks	January 23, 2023	April 14, 2023	April 30, 2023	Prof Vishal Chaudhry	No	https://onlinecourses.nptel.ac.in/noc23_ee54/preview
		4	Principles of Signals and Systems (Track B: Control and Instrument	12 Weeks	January 23, 2023	April 14, 2023	April 29, 2023	Dr Vikram	No	https://onlinecourses.nptel.ac.in/noc23_ee04/preview
		5	Control engineering (Track B: Control and Instrumentation)	12 Weeks	January 23, 2023	April 14, 2023	April 29, 2023	Prof A Patra	No	https://onlinecourses.nptel.ac.in/noc23_ee16/preview
		6	Analog Electronic Circuits(Track B: Control and Instrumentation)	12 Weeks	January 23, 2023	April 14, 2023	April 29, 2023	Prof Manoj Kumar	No	https://onlinecourses.nptel.ac.in/noc23_ee48/preview
		7	Introduction to Research (Track A and Track B)	08 Weeks	February 20, 2023	April 14, 2023	April 29, 2023	Dr Yashwant Sawle	No	https://onlinecourses.nptel.ac.in/noc23_ee05/preview
		1	Renewable Energy Engineering: Solar, Wind and Biomass Energy Systems	12 Weeks	January 23, 2023	April 14, 2023	April 30, 2023	Prof. Vishal Chaudhary	No	https://onlinecourses.nptel.ac.in/noc23_ch35/preview
	DE-1 (VI Semester)	2	Non-conventional energy Resources	12 Weeks	January 23, 2023	April 14, 2023	April 30, 2023	Prof. Nikhil Palwal	No	https://onlinecourses.nptel.ac.in/noc23_ee04/preview
		3	Microprocessors and Interfacing	12 Weeks	January 23, 2023	April 14, 2023	April 30, 2023	Prof. Kuldeep K. Swarnkar	No	https://onlinecourses.nptel.ac.in/noc23_ee06/preview
		4	Industrial Automation And Control	12 Weeks	January 23, 2023	April 14, 2023	April 29, 2023	Prof. Manoj Kumar	No	https://onlinecourses.nptel.ac.in/noc23_ee56/preview
		1	Sensors and Actuators	12 Weeks	January 23, 2023	April 14, 2023	April 30, 2023	Dr. Saurabh K Rajput	No	https://onlinecourses.nptel.ac.in/noc23_ee06/preview
	Honor Specialization (VI Semester)	2	Introduction to Internet of Things	12 Weeks	January 23, 2023	April 14, 2023	April 30, 2023	Prof. Bhavna Rathore	No	https://onlinecourses.nptel.ac.in/noc23_cs51/preview
		3	Fuzzy Sets, Logic and Systems & Applications	12 Weeks	January 23, 2023	April 14, 2023	April 29, 2023	Dr Vikram.	No	https://onlinecourses.nptel.ac.in/noc23_ee21/preview
		4	Introduction To Soft Computing	08 Weeks	January 23, 2023	March 17, 2023	March 26, 2023	Dr Murl Manohar	No	https://onlinecourses.nptel.ac.in/noc23_cs40/preview
		5	Introduction to Machine Learning	12 Weeks	January 23, 2023	April 14, 2023	April 30, 2023	Dr Vikram.	No	https://onlinecourses.nptel.ac.in/noc23_cs18/preview
		6	Introduction To Industry 4.0 And Industrial Internet Of Things	12 Weeks	January 23, 2023	April 14, 2023	April 29, 2023	Prof Praveen Bansal	No	https://onlinecourses.nptel.ac.in/noc23_cs52/preview
		1	Electrical Machines - II (Track A: Power Systems and Power Elect	12 Weeks	January 23, 2023	April 14, 2023	April 29, 2023	Prof Praveen Bansal	No	https://onlinecourses.nptel.ac.in/noc23_ee55/preview
	Minor Specialization (VI Semester)	2	Fundamental of Power Electronics (Track A)	12 Weeks	January 23, 2023	April 14, 2023	April 30, 2023	Prof Ankit Tiwari	No	https://onlinecourses.nptel.ac.in/noc23_ee03/preview
3		Network Analysis (Track A: Power Systems and Power Electronics	12 Weeks	January 23, 2023	April 14, 2023	April 30, 2023	Prof Vishal Chaudhry	No	https://onlinecourses.nptel.ac.in/noc23_ee54/preview	
4		Principles of Signals and Systems (Track B: Control and Instrument	12 Weeks	January 23, 2023	April 14, 2023	April 29, 2023	Dr Vikram	No	https://onlinecourses.nptel.ac.in/noc23_ee04/preview	
5		Control engineering (Track B: Control and Instrumentation)	12 Weeks	January 23, 2023	April 14, 2023	April 29, 2023	Prof A Patra	No	https://onlinecourses.nptel.ac.in/noc23_ee16/preview	
6		Analog Electronic Circuits(Track B: Control and Instrumentation)	12 Weeks	January 23, 2023	April 14, 2023	April 29, 2023	Prof Manoj Kumar	No	https://onlinecourses.nptel.ac.in/noc23_ee48/preview	
7		Introduction to Research (Track A and Track B)	08 Weeks	February 20, 2023	April 14, 2023	April 29, 2023	Dr Yashwant Sawle	No	https://onlinecourses.nptel.ac.in/noc23_ee05/preview	
1		Introduction To Industry 4.0 And Industrial Internet Of Things	12 Weeks	January 23, 2023	April 14, 2023	April 29, 2023	Prof Praveen Bansal	No	https://onlinecourses.nptel.ac.in/noc23_cs52/preview	
Internet of Things(IoT) Electrical Department	DE-1 (VI Semester)	2	Data Mining	08 Weeks	January 23, 2023	March 17, 2023	March 26, 2023	Dr Murl Manohar	No	https://onlinecourses.nptel.ac.in/noc23_cs43/preview
		3	Foundation of Cloud IoT Edge ML	08 Weeks	February 20, 2023	April 14, 2023	April 29, 2023	Dr Bhavna Rathore	No	https://onlinecourses.nptel.ac.in/noc23_cs65/preview
		4	Industrial Automation and Control	12 Weeks	January 23, 2023	April 14, 2023	April 29, 2023	Dr K. P. Singh	No	https://onlinecourses.nptel.ac.in/noc23_ee56/preview
		1	Sensors and Actuators	12 Weeks	January 23, 2023	April 14, 2023	April 30, 2023	Dr. Saurabh K Rajput	No	https://onlinecourses.nptel.ac.in/noc23_ee06/preview
	Honor Specialization (VI Semester)	2	Blockchain and its Applications	12 Weeks	January 23, 2023	April 14, 2023	April 29, 2023	Dr Gaurav Khare	No	https://onlinecourses.nptel.ac.in/noc23_cs47/preview
		3	Programming, Data Structures And Algorithms Using Python	08 Weeks	January 23, 2023	March 17, 2023	March 26, 2023	Dr Yashwant Sawle	No	https://onlinecourses.nptel.ac.in/noc23_cs15/preview
		4	Programming In Java	12 Weeks	January 23, 2023	April 14, 2023	April 30, 2023	Dr K P Singh	No	https://onlinecourses.nptel.ac.in/noc23_cs49/preview
		5	Evolution of Air Interface Towards 5G	08 Weeks	February 20, 2023	April 14, 2023	April 29, 2023	Prof Ankit Tiwari	No	https://onlinecourses.nptel.ac.in/noc23_ee46/preview
		6	Digital Signal Processing and its Applications	12 Weeks	January 23, 2023	April 14, 2023	April 29, 2023	Dr Vikram	No	https://onlinecourses.nptel.ac.in/noc23_ee31/preview
		7	Control engineering	12 Weeks	January 23, 2023	April 14, 2023	April 29, 2023	Prof Nikhil Palwal	No	https://onlinecourses.nptel.ac.in/noc23_ee16/preview
Offered in Electrical Engineering Department										
Electronics Engineering	DE-5 (VIII Semester)	1	Power Management Integrated Circuits	12	23-01-2023	14-04-2023	30-04-2023	Dr. Vikas Mahor	No	https://onlinecourses.nptel.ac.in/noc23_ee13/preview
		2	Fundamental of Power Electronics	12	23-01-2023	14-04-2023	30-04-2023	Dr. Varun Sharma	No	https://onlinecourses.nptel.ac.in/noc23_ee03/preview
		3	Biomedical Signal Processing	12	23-01-2023	14-04-2023	29-04-2023	Dr. Shubhi Kansal	No	https://onlinecourses.nptel.ac.in/noc23_ee49/preview
	OC-4 (VIII Semester)	1	Linear Dynamical Systems	8	23-01-2023	17-03-2023	26-03-2023	Dr. Sandeep Sharma	No	https://onlinecourses.nptel.ac.in/noc23_ee12/preview
		2	Sensors and Actuators	12	23-01-2023	14-04-2023	30-04-2023	Dr. Sushmita Chaudhary	No	https://onlinecourses.nptel.ac.in/noc23_ee66/preview
		1	Cloud Computing and Distributed Systems	8	23-01-2023	17-03-2023	26-03-2023	Dr. Karuna Markam	No	https://onlinecourses.nptel.ac.in/noc23_cs27/preview
	Honor Specialization (VIII Sem)	2	Architectural Design of Digital Integrated Circuits	12	23-01-2023	14-04-2023	29-04-2023	Dr. Varun Sharma	No	https://onlinecourses.nptel.ac.in/noc23_ee25/preview
		1	Microwave Integrated Circuits	8	23-01-2023	17-03-2023	26-03-2023	Prof. D. K. Parsediya	No	https://onlinecourses.nptel.ac.in/noc23_ee18/preview
		2	Signal Processing Techniques and its Applications	12	23-01-2023	14-04-2023	30-04-2023	Dr. Rahul Dubey	No	https://onlinecourses.nptel.ac.in/noc23_ee72/preview
	Minor Specialization (VIII Semester)	3	Computer Vision and Image Processing - Fundamentals and	12	23-01-2023	14-04-2023	29-04-2023	Dr. Shubhi Kansal	No	https://onlinecourses.nptel.ac.in/noc23_ee39/preview
		1	Spread Spectrum Communications and Jamming	12	23-01-2023	14-04-2023	30-04-2023	Prof. D. K. Parsediya	No	https://onlinecourses.nptel.ac.in/noc23_ee75/preview
		2	Digital IC Design	12	23-01-2023	14-04-2023	30-04-2023	Dr. Vikas Mahor	No	https://onlinecourses.nptel.ac.in/noc23_ee11/preview
		3	Fuzzy Sets, Logic and Systems & Applications	12	23-01-2023	14-04-2023	29-04-2023	Dr. Hemant Chaubey	No	https://onlinecourses.nptel.ac.in/noc23_ee21/preview
	Honor Specialization (VI Semester)	1	Electromagnetic Waves in Guided and Wireless Media	8	23-01-2023	17-03-2023	26-03-2023	Dr. Laxmi Shrivastava	No	https://onlinecourses.nptel.ac.in/noc23_ee02/preview
		2	Communication Networks	12	23-01-2023	14-04-2023	30-04-2023	Prof. Madhav Singh	No	https://onlinecourses.nptel.ac.in/noc23_ee73/preview
		3	Analog IC Design	12	23-01-2023	14-04-2023	29-04-2023	Prof. Pooja Sahoo	No	https://onlinecourses.nptel.ac.in/noc23_ee10/preview
		4	Op-Amp Practical Applications: Design, Simulation and Implementation	12	23-01-2023	14-04-2023	30-04-2023	Dr. Deepak Batham	No	https://onlinecourses.nptel.ac.in/noc23_ee65/preview
	Minor Specialization (VI Semester)	1	Communication Networks	12	23-01-2023	14-04-2023	30-04-2023	Prof. Madhav Singh	No	https://onlinecourses.nptel.ac.in/noc23_ee73/preview
		2	Fundamentals Of MIMO Wireless Communication	8	23-01-2023	17-03-2023	26-03-2023	Prof. Pooja Sahoo	No	https://onlinecourses.nptel.ac.in/noc23_ee70/preview
		3	Microprocessors and Microcontrollers	12	23-01-2023	14-04-2023	29-04-2023	Dr. Sandeep Sharma	No	https://onlinecourses.nptel.ac.in/noc23_ee47/preview
		4	Network Analysis	12	23-01-2023	14-04-2023	30-04-2023	Dr. R. P. Narwaria	No	https://onlinecourses.nptel.ac.in/noc23_ee54/preview
	DE-5	1	Blockchain and its Applications	12 weeks	23 Jan 2023	14 Apr 2023	29 Apr 2023	Dr. Vibha Tiwari	NO	https://onlinecourses.nptel.ac.in/noc23_cs47/preview

Information Technology	(VIII Semester)	2	Advanced Graph Theory	8 weeks	23 Jan 2023	17 Mär 2023	26 Mär 2023	Dr. Anshika Srivastava	NO	https://onlinecourses.nptel.ac.in/noc23_cs26/preview	
		3	Natural Language Processing	12 weeks	23 Jan 2023	14 Apr 2023	29 Apr 2023	Dr. Bhagat Singh Raghuwansi	NO	https://onlinecourses.nptel.ac.in/noc23_cs45/preview	
	OC-4 (VIII Semester)	1	Information Security - 5 - Secure Systems Engineering	8 Weeks	Jänner 23, 2023	März 17, 2023	März 26, 2023	Mr. Abhilash Sonker	NO	https://onlinecourses.nptel.ac.in/noc23_cs10/preview	
		2	Social Networks	12 week	23 Jan 2023	14 Apr 2023	29 Apr 2023	Dr. Nidhi Saxena	NO	https://onlinecourses.nptel.ac.in/noc23_cs19/preview	
	Honor Specialization (VIII Sem)	1	User-centric Computing for Human-Computer Interaction	8 weeks	23 Jan 2023	17 Mär 2023	26 Mär 2023	Dr. Ana Kumar	NO	https://onlinecourses.nptel.ac.in/noc23_cs25/preview	
		2	Affective Computing	12 weeks	23 Jan 2023	14 Apr 2023	29 Apr 2023	Dr. Sunil Kumar Shukla	NO	https://onlinecourses.nptel.ac.in/noc23_cs36/preview	
		3	Ethical Hacking	12 weeks	23 Jan 2023	14 Apr 2023	30 Apr 2023	Mr. Mir Shah Nawaz Ahmad	NO	https://onlinecourses.nptel.ac.in/noc23_cs44/preview	
	Minor Specialization (VIII Semester)	1	Introduction to parallel programming with OpenMP and MPI	8 weeks	23 Jan 2023	17 Mär 2023	26 Mär 2023	Dr. Ashish Soni	NO	https://onlinecourses.nptel.ac.in/noc23_cs28/preview	
		2	Ethical Hacking	12 weeks	23 Jan 2023	14 Apr 2023	30 Apr 2023	Mr. Mir Shah Nawaz Ahmad	NO	https://onlinecourses.nptel.ac.in/noc23_cs44/preview	
		1	Advanced Computer Architecture	12 weeks	23 Jan 2023	14 Apr 2023	30 Apr 2023	Mr. Aditya Dubey	NO	https://onlinecourses.nptel.ac.in/noc23_cs07/preview	
	DE-1 (VI Semester)	2	Foundation of Cloud IoT Edge ML	8 weeks	20 Feb 2023	14 Apr 2023	29 Apr 2023	Dr. Priyanka Garg	NO	https://onlinecourses.nptel.ac.in/noc23_cs65/preview	
		1	Introduction To Internet Of Things	12 Weeks	Jänner 23, 2023	April 14, 2023	April 30, 2023	Mr. Vikas Sejwar	NO	https://onlinecourses.nptel.ac.in/noc23_cs51/preview	
		2	Information Security - 5 - Secure Systems Engineering	8 Weeks	Jänner 23, 2023	März 17, 2023	März 26, 2023	Mr. Abhilash Sonker	NO	https://onlinecourses.nptel.ac.in/noc23_cs10/preview	
	Honor Specialization (VI Semester)	3	Advanced Graph Theory	8 Weeks	Jänner 23, 2023	März 17, 2023	März 26, 2023	Dr. Anshika Srivastava	NO	https://onlinecourses.nptel.ac.in/noc23_cs26/preview	
		1	Quantum Algorithms and Cryptography	12 Weeks	Jänner 23, 2023	April 14, 2023	April 29, 2023	Ms. Akanchha Tiwari	NO	https://onlinecourses.nptel.ac.in/noc23_cs04/preview	
		2	Object oriented system development using UML, Java And Database	12 Weeks	Jänner 23, 2023	April 14, 2023	April 29, 2023	Ms. Bulbul Agrawal	NO	https://onlinecourses.nptel.ac.in/noc23_cs46/preview	
		3	GPU Architectures And Programming	12 Weeks	Jänner 23, 2023	April 14, 2023	April 29, 2023	Dr. Priyanka Garg	NO	https://onlinecourses.nptel.ac.in/noc23_cs61/preview	
		4	The Joy of Computing using Python	12 Weeks	Jänner 23, 2023	April 14, 2023	April 29, 2023	Dr. Dhananjay Bisen	NO	https://onlinecourses.nptel.ac.in/noc23_cs20/preview	
	Minor Specialization (VI Semester)	5	Advanced Computer Architecture	12 Weeks	Jänner 23, 2023	April 14, 2023	April 30, 2023	Mr. Aditya Dubey	NO	https://onlinecourses.nptel.ac.in/noc23_cs07/preview	
		1	Programming, Data Structures and Algorithms in Python	8 Weeks	Jänner 23, 2023	März 17, 2023	März 26, 2023	Dr. Pawan Dudey	NO	https://onlinecourses.nptel.ac.in/noc23_cs15/preview	
		2	Programming in Java	12 Weeks	Jänner 23, 2023	April 14, 2023	April 30, 2023	Dr. Sanjiv Sharma	NO	https://onlinecourses.nptel.ac.in/noc23_cs49/preview	
3		Design and analysis of algorithms	8 Weeks	Jänner 23, 2023	März 17, 2023	März 26, 2023	Mr. Abhishek Dixit	NO	https://onlinecourses.nptel.ac.in/noc23_cs16/preview		
4		Introduction to Database Systems	12 Weeks	Jänner 23, 2023	April 14, 2023	April 29, 2023	Dr. Saumil Maheshwari	NO	https://onlinecourses.nptel.ac.in/noc23_cs29/preview		
Internet of Things(IoT) Offered by IT Department	DE-1 (VI Semester)	1	Programming In Java	12 Weeks	Jänner 23, 2023	April 14, 2023	April 30, 2023	Dr. Sanjiv Sharma	NO	https://onlinecourses.nptel.ac.in/noc23_cs49/preview	
		2	Foundation of Cloud IoT Edge ML	8 Weeks	Februar 20, 2023	April 14, 2023	April 29, 2023	Dr. Priyanka Garg	NO	https://onlinecourses.nptel.ac.in/noc23_cs65/preview	
		3	Information Security - 5 - Secure Systems Engineering	8 Weeks	Jänner 23, 2023	März 17, 2023	März 26, 2023	Mr. Abhilash Sonker	NO	https://onlinecourses.nptel.ac.in/noc23_cs10/preview	
	Honor Specialization (VI Semester)	1	Introduction To Industry 4.0 And Industrial Internet Of Things	12 Weeks	Jänner 23, 2023	April 14, 2023	April 29, 2023	Dr. Kritika Bansal	NO	https://onlinecourses.nptel.ac.in/noc23_cs52/preview	
		2	Quantum Algorithms and Cryptography	12 Weeks	Jänner 23, 2023	April 14, 2023	April 29, 2023	Ms. Akanchha Tiwari	NO	https://onlinecourses.nptel.ac.in/noc23_cs04/preview	
		3	Patterns	12 Weeks	Jänner 23, 2023	April 14, 2023	April 29, 2023	Ms. Bulbul Agrawal	NO	https://onlinecourses.nptel.ac.in/noc23_cs46/preview	
		4	Advanced Computer Architecture	12 Weeks	Jänner 23, 2023	April 14, 2023	April 30, 2023	Mr. Aditya Dubey	NO	https://onlinecourses.nptel.ac.in/noc23_cs07/preview	
		5	The Joy of Computing using Python	12 Weeks	Jänner 23, 2023	April 14, 2023	April 29, 2023	Dr. Dhananjay Bisen	NO	https://onlinecourses.nptel.ac.in/noc23_cs20/preview	
	Minor Specialization (VI Semester)	1	Programming, Data Structures and Algorithms in Python	8 Weeks	Jänner 23, 2023	März 17, 2023	März 26, 2023	Dr. Pawan Dudey	NO	https://onlinecourses.nptel.ac.in/noc23_cs15/preview	
		2	Design and analysis of algorithms	8 Weeks	Jänner 23, 2023	März 17, 2023	März 26, 2023	Mr. Abhishek Dixit	NO	https://onlinecourses.nptel.ac.in/noc23_cs16/preview	
		3	Programming in Modern C++	12 Weeks	Jänner 23, 2023	April 14, 2023	April 29, 2023	Dr. Vikram Rajpoot	NO	https://onlinecourses.nptel.ac.in/noc23_cs50/preview	
		4	Introduction To Internet Of Things	12 Weeks	Jänner 23, 2023	April 14, 2023	April 30, 2023	Mr. Vikas Sejwar	NO	https://onlinecourses.nptel.ac.in/noc23_cs51/preview	
	Information Technology (Artificial Intelligence and Robotics)	DE-1 (VI Semester)	1	Programming In Java	12 Weeks	Jänner 23, 2023	April 14, 2023	April 30, 2023	Dr. Sanjiv Sharma	No	https://onlinecourses.nptel.ac.in/noc23_cs49/preview
			2	Introduction To Internet Of Things	12 Weeks	Jänner 23, 2023	April 14, 2023	April 30, 2023	Mr. Vikas Sejwar	No	https://onlinecourses.nptel.ac.in/noc23_cs51/preview
3			Advanced Graph Theory	8 Weeks	Jänner 23, 2023	März 17, 2023	März 26, 2023	Dr. Anshika Srivastava	No	https://onlinecourses.nptel.ac.in/noc23_cs26/preview	
Honor Specialization (VI Semester)		1	Artificial Intelligence: Knowledge Representation And Reasoning	12 Weeks	Jänner 23, 2023	April 14, 2023	April 29, 2023	Dr. Tej Singh	No	https://onlinecourses.nptel.ac.in/noc23_cs09/preview	
		2	GPU Architectures And Programming	12 Weeks	Jänner 23, 2023	April 14, 2023	April 29, 2023	Dr. Priyanka Garg	No	https://onlinecourses.nptel.ac.in/noc23_cs61/preview	
		3	Advanced Computer Architecture	12 Weeks	Jänner 23, 2023	April 14, 2023	April 30, 2023	Mr. Aditya Dubey	No	https://onlinecourses.nptel.ac.in/noc23_cs07/preview	
		4	The Joy of Computing using Python	12 Weeks	Jänner 23, 2023	April 14, 2023	April 29, 2023	Dr. Dhananjay Bisen	No	https://onlinecourses.nptel.ac.in/noc23_cs20/preview	
Minor Specialization (VI Semester)		1	Programming, Data Structures and Algorithms in Python	8 Weeks	Jänner 23, 2023	März 17, 2023	März 26, 2023	Dr. Pawan Dudey	No	https://onlinecourses.nptel.ac.in/noc23_cs15/preview	
		2	AI: Constraint Satisfaction	8 Weeks	Jänner 23, 2023	März 17, 2023	März 26, 2023	Dr. Sunil Kumar Shukla	No	https://onlinecourses.nptel.ac.in/noc23_cs14/preview	
		3	Design and analysis of algorithms	8 Weeks	Jänner 23, 2023	März 17, 2023	März 26, 2023	Mr. Abhishek Dixit	No	https://onlinecourses.nptel.ac.in/noc23_cs16/preview	
		4	Introduction to Machine Learning	12 Weeks	Jänner 23, 2023	April 14, 2023	April 30, 2023	Mr. Punit Kumar Johari	No	https://onlinecourses.nptel.ac.in/noc23_cs18/preview	
Engineering Mathematics and Computing (MAC)		DE-1 (VI Semester)	1	Blockchain and its Applications	12	23.Jän.23	14.Apr.23	29.Apr.23	Dr. Minakshi Dahiya	NO	https://onlinecourses.nptel.ac.in/noc23_cs47/preview
			2	Cloud Computing	12	23.Jän.23	17.Mär.23	30.Apr.23	Dr. Minakshi Dahiya	NO	https://onlinecourses.nptel.ac.in/noc23_cs42/preview
	3		GPU Architectures and Programming	12	23.Jän.23	14.Apr.23	29.Apr.23	Dr. Minakshi Dahiya	NO	https://onlinecourses.nptel.ac.in/noc23_cs61/preview	
	Honor Specialization (VI Semester)	1	Advanced Graph Theory	8	23.Jän.23	17.Mär.23	26.Mär.23	Dr. Minakshi Dahiya	NO	https://onlinecourses.nptel.ac.in/noc23_cs47/preview	
		2	Getting Started with Competitive Programming	12	23.Jän.23	14.Apr.23	29.Apr.23	Dr. Minakshi Dahiya	NO	https://onlinecourses.nptel.ac.in/noc23_cs26/preview	
		3	Computer Vision and Image Processing Fundamentals and Applications	12	23.Jän.23	14.Apr.23	29.Apr.23	Dr. Minakshi Dahiya	NO	https://onlinecourses.nptel.ac.in/noc23_cs39/preview	
	Minor Specialization (VI Semester)	1	A Primer to Mathematical Optimization	12	23.Jän.23	14.Apr.23	29.Apr.23	Dr. Minakshi Dahiya	NO	https://onlinecourses.nptel.ac.in/noc23_ma45/preview	
		2	Advanced Linear Algebra	12	23.Jän.23	14.Apr.23	30.Apr.23	Dr. Minakshi Dahiya	NO	https://onlinecourses.nptel.ac.in/noc23_ma17/preview	
		3	Advanced Probability Theory	12	23.Jän.23	14.Apr.23	30.Apr.23	Dr. Minakshi Dahiya	NO	https://onlinecourses.nptel.ac.in/noc23_ma35/preview	
	Architecture & Planning	DE-IV (VI Semester)	1	Environmental Impact Assessment	12	23 Jan 2023	14 April 2023	30 April 2023	Harshita Mishra	Yes	https://onlinecourses.nptel.ac.in/noc23_ar04/preview
2			Urban Services Planning	12	23 Jan 2023	14 April 2023	29 April 2023	Versha Sinha	Yes	https://onlinecourses.nptel.ac.in/noc23_ar07/preview	
3			Strategies for Sustainable Design	12	23 Jan 2023	14 April 2023	30 April 2023	Pranshi Jain	Yes	https://onlinecourses.nptel.ac.in/noc23_ce01/preview	
DE-VII (X Semester)		1	An Introduction to Artificial Intelligence	12	23 Jan 2023	14 April 2023	29 April 2023	Dr. Anjali S Patil	Yes	https://onlinecourses.nptel.ac.in/noc23_cs05/preview	
		2	Geographic Information System	12	23 Jan 2023	14 April 2023	30 April 2023	Harshita Mishra	Yes	https://onlinecourses.nptel.ac.in/noc23_de08/preview	
		3	Urban Services Planning	12	23 Jan 2023	14 April 2023	29 April 2023	Versha Sinha	Yes	https://onlinecourses.nptel.ac.in/noc23_ar07/preview	
		4	Strategies for Sustainable Design	12	23 Jan 2023	14 April 2023	30 April 2023	Pranshi Jain	Yes	https://onlinecourses.nptel.ac.in/noc23_ce01/preview	
			1	Optimization in chemical engg.	12 WEEK	Jänner 23, 2023	April 14, 2023	April 30, 2023	Prof. Swati Gupta	NO	https://onlinecourses.nptel.ac.in/noc23_ch22
DE-V(VIII Semester)	2	Biomass Conversion and Biorefinery	12 WEEK	Jänner 23, 2023	April 14, 2023	April 30, 2023	Prof. Anish P.Jacob	NO	https://onlinecourses.nptel.ac.in/noc23_ch33		
	3	Chemical Process Utilities	12 WEEK	Jänner 23, 2023	April 14, 2023	April 29, 2023	Dr. Shourabh singh Raghuvansh	NO	https://onlinecourses.nptel.ac.in/noc23_ch28		
OC-4 (VIII Semester)	1	Environmental Quality Monitoring & Analysis	12 week	Jänner 23, 2023	April 14, 2023	April 29, 2023	Prof. Shivangi Sharma	NO	https://onlinecourses.nptel.ac.in/noc23_ch15		
	2	Electrochemical Technology in Pollution Control	8 Week	Jänner 23, 2023	März 17, 2023	März 26, 2023	Dr. R.K. Dubey	NO	https://onlinecourses.nptel.ac.in/noc23_ch13		
Honor Specialization (VIII Sem)	1	Computer Aided Applied Single Objective Optimization	12 week	Jänner 23, 2023	April 14, 2023	April 29, 2023	Prof. Shivangi Sharma	NO	https://onlinecourses.nptel.ac.in/noc23_ch04		
	2	Polymer Reaction Engineering	12 week	Jänner 23, 2023	April 14, 2023	April 30, 2023	Dr. R.K. Dubey	NO	https://onlinecourses.nptel.ac.in/noc23_ch29		

Chemical Engg. Department	Minor Specialization (VIII Semester)	3	Biological process design for wastewater treatment	8 week	Februar 20, 2023	April 14, 2023	April 29, 2023	Prof. Anish P.Jacob	NO	https://onlinecourses.nptel.ac.in/noc23_ch17
		1	Inorganic Chemical Technology	12 week	Jänner 23, 2023	April 14, 2023	April 29, 2023	Dr. Shourabh singh Raghuvansh	NO	https://onlinecourses.nptel.ac.in/noc23_ch39
		2	Chemical Engineering Thermodynamics	12 week	Jänner 23, 2023	April 14, 2023	April 30, 2023	Prof. Swati Gupta	NO	https://onlinecourses.nptel.ac.in/noc23_ch12
	DE-1 (VI Semester)	3	Chemical Process Instrumentation	12 week	Jänner 23, 2023	April 14, 2023	April 30, 2023	Prof. Swati Gupta	NO	https://onlinecourses.nptel.ac.in/noc23_ch23
		1	Multiphase Flow	8 week	Jänner 23, 2023	März 17, 2023	März 26, 2023	Prof. Swati Gupta	NO	https://onlinecourses.nptel.ac.in/noc23_ch14
		2	Membrane Technology	12 week	Jänner 23, 2023	April 14, 2023	April 30, 2023	Prof. Anish P.Jacob	NO	https://onlinecourses.nptel.ac.in/noc23_ch08
	Honor Specialization (VI Semester)	3	Physical and Electrochemical Characterizations in Chemical	8 week	Jänner 23, 2023	März 17, 2023	März 26, 2023	Dr. R.K. Dubey	NO	https://onlinecourses.nptel.ac.in/noc23_ch36
		1	Environmental Quality Monitoring & Analysis	12 week	Jänner 23, 2023	April 14, 2023	April 29, 2023	Prof. Shivangi Sharma	NO	https://onlinecourses.nptel.ac.in/noc23_ch15
		2	Electrochemical Technology in Pollution Control	8 Week	Jänner 23, 2023	März 17, 2023	März 26, 2023	Dr. R. K. Dubey	NO	https://onlinecourses.nptel.ac.in/noc23_ch13
		4	Soft Nano Technology	8 week	Jänner 23, 2023	März 17, 2023	März 26, 2023	Prof. Anish P.Jacob	NO	https://onlinecourses.nptel.ac.in/noc23_ch19
	Minor Specialization (VI Semester)	3	Renewable Energy Engineering: Solar, Wind and Biomass Energy	12 week	Jänner 23, 2023	April 14, 2023	April 30, 2023	Dr. Shourabh singh Raghuvansh	NO	https://onlinecourses.nptel.ac.in/noc23_ch35
		1	Process Control - Design, Analysis and Assessment	12 week	Jänner 23, 2023	April 14, 2023	April 30, 2023	Prof. Swati Gupta	NO	https://onlinecourses.nptel.ac.in/noc23_ch11
		2	Membrane Technology	12 week	Jänner 23, 2023	April 14, 2023	April 30, 2023	Prof. Anish P.Jacob	NO	https://onlinecourses.nptel.ac.in/noc23_ch08
Computer Science & Engineering	DE-5 (VIII Semester)	3	Basic Principles and Calculations in Chemical Engineering	12 week	Jänner 23, 2023	April 14, 2023	April 29, 2023	Dr. R.K. Dubey	NO	https://onlinecourses.nptel.ac.in/noc23_ch02
		1	Information Security - 5 - Secure Systems Engineering	8 Weeks	Jänner 23, 2023	März 17, 2023	März 26, 2023	Dr. Devesh Kumar Lal	NO	https://onlinecourses.nptel.ac.in/noc23_cs10/preview
		2	Privacy and Security in Online Social Media	12 Weeks	Jänner 23, 2023	April 14, 2023	April 29, 2023	Dr. Gagandeep Kaur	NO	https://onlinecourses.nptel.ac.in/noc23_cs13/preview
	OC-4 (VIII Semester)	3	Blockchain and its Applications	12 Weeks	Jänner 23, 2023	April 14, 2023	April 29, 2023	Dr. Rohit Agrawal	NO	https://onlinecourses.nptel.ac.in/noc23_cs47/preview
		1	Data Science for Engineers	8 Weeks	Jänner 23, 2023	März 17, 2023	März 26, 2023	Prof. Arun Kumar	NO	https://onlinecourses.nptel.ac.in/noc23_cs17/preview
		2	Introduction To Internet Of Things	12 Weeks	Jänner 23, 2023	April 14, 2023	April 30, 2023	Prof. Khushboo Agarwal	NO	https://onlinecourses.nptel.ac.in/noc23_cs51/preview
	Honor Specialization (VIII Sem)	3	An Introduction to Artificial Intelligence	12 Weeks	Jänner 23, 2023	April 14, 2023	April 29, 2023	Prof. Jaimala Jha	NO	https://onlinecourses.nptel.ac.in/noc23_cs05/preview
		1	Foundations of Cyber Physical Systems	12 Weeks	Jänner 23, 2023	April 14, 2023	April 29, 2023	Prof. Manisha Pathak	NO	https://onlinecourses.nptel.ac.in/noc23_cs62/preview
		2	Foundation of Cloud IoT Edge ML	8 Weeks	Februar 20, 2023	April 14, 2023	April 29, 2023	Dr. Smita Parte	NO	https://onlinecourses.nptel.ac.in/noc23_cs65/preview
		3	Ethical Hacking	12 Weeks	Jänner 23, 2023	April 14, 2023	April 30, 2023	Dr. Rajni Ranjan Singh	NO	https://onlinecourses.nptel.ac.in/noc23_cs44/preview
		4	The Joy of Computing using Python	12 Weeks	Jänner 23, 2023	April 14, 2023	April 29, 2023	Prof. Arun Kumar	NO	https://onlinecourses.nptel.ac.in/noc23_cs20/preview
		5	Advanced computer architecture	12 Weeks	Jänner 23, 2023	April 14, 2023	April 30, 2023	Dr. R.K. Gupta	NO	https://onlinecourses.nptel.ac.in/noc23_cs07/preview
		6	Cloud computing	8 Weeks	Jänner 23, 2023	März 17, 2023	März 26, 2023	Dr. Gagandeep Kaur	NO	https://onlinecourses.nptel.ac.in/noc23_cs42/preview
		7	GPU Architectures and Programming	12 Weeks	Jänner 23, 2023	April 14, 2023	April 29, 2023	Prof Hemlata Arya	NO	https://onlinecourses.nptel.ac.in/noc23_cs61/preview
		8	Introduction to parallel programming with OpenMP and MPI	8 Weeks	Jänner 23, 2023	März 17, 2023	März 26, 2023	Prof Amit Manjhar	NO	https://onlinecourses.nptel.ac.in/noc23_cs28/preview
	Minor Specialization (VIII Semester)	9	Data Science for Engineers	8 Weeks	Jänner 23, 2023	März 17, 2023	März 26, 2023	Prof. Arun Kumar	NO	https://onlinecourses.nptel.ac.in/noc23_cs17/preview
		1	Blockchain and its Applications	12 Weeks	Jänner 23, 2023	April 14, 2023	April 29, 2023	Dr. Rohit Agrawal	NO	https://onlinecourses.nptel.ac.in/noc23_cs47/preview
		2	Machine Learning ML	8 Weeks	Jänner 23, 2023	März 17, 2023	März 26, 2023	Prof. Aashi Singh Bhadouria	NO	https://onlinecourses.nptel.ac.in/noc23_cs11/preview
		3	Foundation of Cloud IoT Edge ML	8 Weeks	Februar 20, 2023	April 14, 2023	April 29, 2023	Dr. Smita Parte	NO	https://onlinecourses.nptel.ac.in/noc23_cs65/preview
		4	Programming, Data Structures And Algorithms Using Python	8 Weeks	Jänner 23, 2023	März 17, 2023	März 26, 2023	Prof. Khushboo Agarwal	NO	https://onlinecourses.nptel.ac.in/noc23_cs15/preview
		5	Cloud computing	8 Weeks	Jänner 23, 2023	März 17, 2023	März 26, 2023	Dr. Gagandeep Kaur	NO	https://onlinecourses.nptel.ac.in/noc23_cs42/preview
		6	Programming In Java	12 Weeks	Jänner 23, 2023	April 14, 2023	April 30, 2023	Prof Mahesh Parmar	NO	https://onlinecourses.nptel.ac.in/noc23_cs49/preview
		7	Ethical Hacking	12 Weeks	Jänner 23, 2023	April 14, 2023	April 30, 2023	Dr. Rajni Ranjan Singh	NO	https://onlinecourses.nptel.ac.in/noc23_cs44/preview
8		Computer Networks And Internet Protocol	12 Weeks	Jänner 23, 2023	April 14, 2023	April 29, 2023	Prof. Khushboo Agarwal	NO	https://onlinecourses.nptel.ac.in/noc23_cs48/preview	
DE-1 (VI Semester)	9	Design and analysis of algorithms	8 Weeks	Jänner 23, 2023	März 17, 2023	März 26, 2023	Dr. Ranjeet Singh	NO	https://onlinecourses.nptel.ac.in/noc23_cs16/preview	
	1	Ethical Hacking	12 Weeks	Jänner 23, 2023	April 14, 2023	April 30, 2023	Prof. Mahesh Parmar	NO	https://onlinecourses.nptel.ac.in/noc23_cs44/preview	
	2	Data Analytics with Python	12 Weeks	Jänner 23, 2023	April 14, 2023	April 30, 2023	Prof. Arun Kumar	NO	https://onlinecourses.nptel.ac.in/noc23_cs08/preview	
Honor Specialization (VI Semester)	3	Blockchain and its Applications	12 Weeks	Jänner 23, 2023	April 14, 2023	April 29, 2023	Dr. Rohit Agrawal	NO	https://onlinecourses.nptel.ac.in/noc23_cs47/preview	
	1	Social Networks	12 Weeks	Jänner 23, 2023	April 14, 2023	April 29, 2023	Dr. Rajni Ranjan Singh	NO	https://onlinecourses.nptel.ac.in/noc23_cs19/preview	
	2	Privacy and Security in Online Social Media	12 Weeks	Jänner 23, 2023	April 14, 2023	April 29, 2023	Dr. Gagandeep Kaur	NO	https://onlinecourses.nptel.ac.in/noc23_cs13/preview	
	3	Foundation of Cloud IoT Edge ML	8 Weeks	Februar 20, 2023	April 14, 2023	April 29, 2023	Prof. Kratika Sharma	NO	https://onlinecourses.nptel.ac.in/noc23_cs65/preview	
	4	The Joy of Computing using Python	12 Weeks	Jänner 23, 2023	April 14, 2023	April 29, 2023	Prof. Arun Kumar	NO	https://onlinecourses.nptel.ac.in/noc23_cs20/preview	
	5	Programming In Java	12 Weeks	Jänner 23, 2023	April 14, 2023	April 30, 2023	Dr. Rajni Ranjan Singh	NO	https://onlinecourses.nptel.ac.in/noc23_cs49/preview	
Minor Specialization (VI Semester)	6	Programming in Modern C++	12 Weeks	Jänner 23, 2023	April 14, 2023	April 29, 2023	Prof. Hemlata Arya	NO	https://onlinecourses.nptel.ac.in/noc23_cs50/preview	
	1	Design and analysis of algorithms	8 Weeks	Jänner 23, 2023	März 17, 2023	März 26, 2023	Dr. Ranjeet Kumar Singh	NO	https://onlinecourses.nptel.ac.in/noc23_cs16/preview	
	2	Introduction to Database Systems	12 Weeks	Jänner 23, 2023	April 14, 2023	April 29, 2023	Dr. Kuldeep Narayan Tripathi	NO	https://onlinecourses.nptel.ac.in/noc23_cs29/preview	
	3	Computer Networks And Internet Protocol	12 Weeks	Jänner 23, 2023	April 14, 2023	April 29, 2023	Prof. Hemlata Arya	NO	https://onlinecourses.nptel.ac.in/noc23_cs48/preview	
		4	Programming, Data Structures And Algorithms Using Python	8 Weeks	Jänner 23, 2023	März 17, 2023	März 26, 2023	Prof. Khushboo Agarwal	NO	https://onlinecourses.nptel.ac.in/noc23_cs15/preview