

Guidelines and List of courses offered from SWAYAM(NPTEL) for Academic Session Jan-June 2022

Important Guidelines for Students

1. Students are advised to use a single Gmail id for registration in SWAYAM courses
2. Students must choose a YES option for asking “**Are you a part of NPTEL Local chapter**” during course enrollment
3. Students must choose a YES option for asking “**Do you want to share the data with the college**” during exam fee registration
4. *Students submit the assignment from the same ID, that they were used for course exam registration and enrollment (important)*
5. For **honor degree** student have to choose courses from pool of parent department and have to earn 20 credits till VIII Semester
6. For **Minor degree** students have to choose courses from pool of other department (**not from parent department**) and have to earn 20 additional credits till VIII Semester. In addition, once other department has been chosen on V semester then it will not change till completion of VIII sem. Hence all the courses will be chosen from the same department till final year.
7. Photos uploaded during exam registration will be clear and have only the picture of the concern applicant only.
8. Students do not cancel the course after paying the exam fee.
9. It is mandatory for **VI sem -B.Tech III Year** students to register for the NPTEL exam for the DE-2 + Honor/Minor courses(if opted)
10. It is mandatory for **VIII sem - B.Tech Final Year** students to register for the NPTEL exam for the DE-5/DE-6/OC-5 course + Honor/Minor courses (if opted)
11. Students ensure to enter the correct date of birth (DOB) on filling NPTEL exam registration form.
12. **Correct DOB is required to start the exam in NPTEL centers.**
13. **Same course will not be considered for credit transfer if he/she already done before and received certificate.** Repetition of already done or upcoming courses is not allowed for DE/OC/honor and Minor Courses.

Very Important NOTE:

As per calendar of NPTEL the students are allowed to appear for **two exam per day** i.e. one paper on morning shift (09:00 am to 12:00noon) and another paper on evening shift (02:00 PM to 05:00PM).**So students are advice that they will not choose all three courses of same date i.e. on 27-March-2022 otherwise he/she will not able to fill exam form of one course. Before filling the exam form students must see exam dates given by NPTEL as follows:**

TIMELINE	4 Weeks (SET 1)	8 Weeks (SET 1)	12 Weeks	4 Weeks (SET 2)	8 Weeks (SET 2)
Start of Course	January 24, 2022	January 24, 2022	January 24, 2022	February 21, 2022	February 21, 2022
End of Course	February 18, 2022	March 18, 2022	April 15, 2022	March 18, 2022	April 15, 2022
Exam Dates - 1	March 27, 2022 - 2 Sessions on each date - 9am-12 noon; 2pm-5pm		April 23/24, 2022 - 2 Sessions on each date - 9am-12 noon; 2pm-5pm		
Close enrollment to the Course	January 31, 2022 - 5pm			February 21, 2022 - 5pm	
Close exam registration form	Feb 18, 2021		March 18, 2021		

Madhav Institute of Technology & Science, Gwalior (M.P.)
(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 2022										
Name of Department	Category	S.N o.	Full Name of Course	Weeks	Start Date	End Date	Exam Date	Mentor of our Institute	MITS MOOC (Yes/No)	Link of course from SWAYAM
Electronics Engineering	DE-5 (VIII Semester)	1	Fundamental of Power Electronics	12	24-01-2022	15-04-2022	24-04-2022	Dr R P Narwaria	No	https://onlinecourses.nptel.ac.in/noc22_ee03/
		2	Biomedical Signal Processing	12	24-01-2022	15-04-2022	23-04-2022	Dr Hemant Choubey	No	https://onlinecourses.nptel.ac.in/noc22_ee19/
		3	Power Management Integrated Circuits	12	24-01-2022	15-04-2022	24-04-2022	Dr. Vikas Mahor	No	https://onlinecourses.nptel.ac.in/noc22_ee41/
	DE-6 (VIII Semester)	1	Design and Analysis of VLSI Subsystems	12	24-01-2022	15-04-2022	24-04-2022	Dr Shubhi Kansal	No	https://onlinecourses.nptel.ac.in/noc22_ee44/preview
		2	An Introduction to Information Theory	8	24-01-2022	18-03-2022	27-03-2022	Prof Pooja Sahoo	No	https://onlinecourses.nptel.ac.in/noc22_ee49/preview
		3	Fundamentals of MIMO Wireless Communication	8	24-01-2022	18-03-2022	27-03-2022	Dr Karuna Markam	No	https://onlinecourses.nptel.ac.in/noc22_ee65/preview
	OC-4 (VIII Semester)	1	Linear Dynamical System	8	24-01-2022	18-03-2022	27-03-2022	Prof. Deep Kishore Parsediya	No	https://onlinecourses.nptel.ac.in/noc22_ee39/
		2	Sensors and Actuators	12	24-01-2022	15-04-2022	24-04-2022	Dr Shusmita Choudhary	No	https://onlinecourses.nptel.ac.in/noc22_ee50
	Honor Specialization (VIII Sem)	1	Architectural Design of Digital Integrated Circuits	12	24-01-2022	15-04-2022	23-04-2022	Dr Shubhi Kansal	No	https://onlinecourses.nptel.ac.in/noc22_ee58
		2	Nonlinear System Analysis	12	24-01-2022	15-04-2022	24-04-2022	Dr Deepak Batham	No	https://onlinecourses.nptel.ac.in/noc22_ee01/preview
		3	Computer Vision and Image Processing - Fundamentals and Applications	12	24-01-2022	15-04-2022	23-04-2022	Dr Rahul Dubey	No	https://onlinecourses.nptel.ac.in/noc22_ee48/preview
	Minor Specialization (VIII Semester)	1	An Introduction to Information Theory	8	24-01-2022	18-03-2022	27-03-2022	Prof Pooja Sahoo	No	https://onlinecourses.nptel.ac.in/noc22_ee49/preview
		2	Signal Processing Techniques and its Applications	12	24-01-2022	15-04-2022	24-04-2022	Dr Rahul Dubey	No	https://onlinecourses.nptel.ac.in/noc22_ee62/preview
	DE-2 (VI Semester)	1	Spread Spectrum Communications and Jamming	12	24-01-2022	15-04-2022	24-04-2022	Dr Sandeep Sharma	No	https://onlinecourses.nptel.ac.in/noc22_ee20/
		2	Digital IC Design	12	24-01-2022	15-04-2022	24-04-2022	Dr Varun Sharma	No	https://onlinecourses.nptel.ac.in/noc22_ee38/
3		Fuzzy Sets, Logic and Systems & Applications	12	24-01-2022	15-04-2022	23-04-2022	Dr Deepak Batham	No	https://onlinecourses.nptel.ac.in/noc22_ee21/	
Honor Specialization	1	Electromagnetic Waves in Guided and Wireless Media	8	21-02-2022	15-04-2022	24-04-2022	Dr. Vandana Vikas Thakare	No	https://onlinecourses.nptel.ac.in/noc22_ee40/	

Madhav Institute of Technology & Science, Gwalior (M.P.)
(A Govt. Aided UGC Autonomous & NAAC Accredited Institute Affiliated to RGPV, Bhopal)

	tion (VI Semester)	2	CMOS Digital VLSI Design	8	24-01-2022	18-03-2022	27-03-2022	Prof. Madhav Singh	No	https://onlinecourses.nptel.ac.in/noc22_ee27/
		3	Multirate DSP	12	24-01-2022	15-04-2022	23-04-2022	Dr Dinesh Rano	No	https://onlinecourses.nptel.ac.in/noc22_ee32/preview
	Minor Specialization (VI Semester)	1	Integrated Circuits, MOSFETs, OpAmps and their Application	12	24-01-2022	15-04-2022	23-04-2022	Prof. Deep Kishore Parsediya	No	https://onlinecourses.nptel.ac.in/noc22_ee27/
		2	Principles of Digital Communications	12	24-01-2022	15-04-2022	23-04-2022	Dr Sushmita Chaudhari	No	https://onlinecourses.nptel.ac.in/noc22_ee10/preview
Electronics and Telecommunications Engineering	DE-5 (VIII Semester)	1	Fundamental of Power Electronics	12	24-01-2022	15-04-2022	24-04-2022	Dr R P Narwaria	No	https://onlinecourses.nptel.ac.in/noc22_ee03/
		2	Biomedical Signal Processing	12	24-01-2022	15-04-2022	23-04-2022	Dr Hemant Choubey	No	https://onlinecourses.nptel.ac.in/noc22_ee19/
		3	Power Management Integrated Circuits	12	24-01-2022	15-04-2022	24-04-2022	Dr. Vikas Mahor	No	https://onlinecourses.nptel.ac.in/noc22_ee41/
	DE-6 (VIII Semester)	1	Design and Analysis of VLSI Subsystems	12	24-01-2022	15-04-2022	24-04-2022	Dr Shubhi Kansal	No	https://onlinecourses.nptel.ac.in/noc22_ee44/preview
		2	An Introduction to Information Theory	8	24-01-2022	18-03-2022	27-03-2022	Prof Pooja Sahoo	No	https://onlinecourses.nptel.ac.in/noc22_ee49/preview
		3	Fundamentals of MIMO Wireless Communication	8	24-01-2022	18-03-2022	27-03-2022	Dr Karuna Markam	No	https://onlinecourses.nptel.ac.in/noc22_ee65/preview
	OC-4 (VIII Semester)	1	Linear Dynamical System	8	24-01-2022	18-03-2022	27-03-2022	Prof. Deep Kishore Parsediya	No	https://onlinecourses.nptel.ac.in/noc22_ee39/
		2	Sensors and Actuators	12	24-01-2022	15-04-2022	24-04-2022	Dr Shusmita Choudhary	No	https://onlinecourses.nptel.ac.in/noc22_ee50
	Honor Specialization (VIII Sem)	1	Architectural Design of Digital Integrated Circuits	12	24-01-2022	15-04-2022	23-04-2022	Dr Shubhi Kansal	No	https://onlinecourses.nptel.ac.in/noc22_ee58
		2	Nonlinear System Analysis	12	24-01-2022	15-04-2022	24-04-2022	Dr Deepak Batham	No	https://onlinecourses.nptel.ac.in/noc22_ee01/preview
		3	Computer Vision and Image Processing - Fundamentals and Applications	12	24-01-2022	15-04-2022	23-04-2022	Dr Rahul Dubey	No	https://onlinecourses.nptel.ac.in/noc22_ee48/preview
	Minor Specilization (VIII Semester)	1	An Introduction to Information Theory	8	24-01-2022	18-03-2022	27-03-2022	Prof Pooja Sahoo	No	https://onlinecourses.nptel.ac.in/noc22_ee49/preview
		2	Signal Processing Techniques and its Applications	12	24-01-2022	15-04-2022	24-04-2022	Dr Rahul Dubey	No	https://onlinecourses.nptel.ac.in/noc22_ee62/preview
	DE-2 (VI Semester)	1	Spread Spectrum Communications and Jamming	12	24-01-2022	15-04-2022	24-04-2022	Dr Sandeep Sharma	No	https://onlinecourses.nptel.ac.in/noc22_ee20/
		2	Digital IC Design	12	24-01-2022	15-04-2022	24-04-2022	Dr Varun Sharma	No	https://onlinecourses.nptel.ac.in/noc22_ee38/
		3	Fuzzy Sets, Logic and Systems & Applications	12	24-01-2022	15-04-2022	23-04-2022	Dr Deepak Batham	No	https://onlinecourses.nptel.ac.in/noc22_ee21/
	Honor Specialization (VI Semester)	1	Electromagnetic Waves in Guided and Wireless Media	8	21-02-2022	15-04-2022	24-04-2022	Dr. Vandana Vikas Thakare	No	https://onlinecourses.nptel.ac.in/noc22_ee40/
		2	CMOS Digital VLSI Design	8	24-01-2022	18-03-2022	27-03-2022	Prof. Madhav Singh	No	https://onlinecourses.nptel.ac.in/noc22_ee27/

Madhav Institute of Technology & Science, Gwalior (M.P.)
(A Govt. Aided UGC Autonomous & NAAC Accredited Institute Affiliated to RGPV, Bhopal)

		3	Multirate DSP	12	24-01-2022	15-04-2022	23-04-2022	Dr Dinesh Rano	No	https://onlinecourses.nptel.ac.in/noc22_ee32/preview
	Minor Specialization (VI Semester)	1	Integrated Circuits, MOSFETs, OpAmps and their Application	12	24-01-2022	15-04-2022	23-04-2022	Prof. Deep Kishore Parsediya	No	https://onlinecourses.nptel.ac.in/noc22_ee27/
		2	Principles of Digital Communications	12	24-01-2022	15-04-2022	23-04-2022	Dr Sushmita Chaudhari	No	https://onlinecourses.nptel.ac.in/noc22_ee10/preview
Electrical Engineering	DE-5 (VIII Semester)	1	Introduction to Internet of things	12 Weeks	24-01-2022	15-04-2022	23-04-2022	Prof. Bhavna Rathore	No	https://onlinecourses.nptel.ac.in/noc22_cs53/preview
		2	Power System Dynamics, Control and Monitoring	12 Weeks	24-01-2022	15-04-2022	24-04-2022	Dr. Himmat Singh	No	https://onlinecourses.nptel.ac.in/noc22_ee18/preview
	DE-6 (VIII Semester)	1	Introduction to Soft Computing	08 Weeks	24-01-2022	18-03-2022	27-03-2022	Dr. Ankit Tiwari	No	https://onlinecourses.nptel.ac.in/noc22_cs54/preview
		2	Non-conventional energy Resources	12 Weeks	24-01-2022	15-04-2022	24-04-2022	Prof. Nikhil Paliwal	No	https://onlinecourses.nptel.ac.in/noc22_ge14/preview
	OC-4 (VIII Semester)	1	Renewable Energy Engineering: Solar, Wind and Biomass Energy Systems	12 Weeks	24-01-2022	15-04-2022	23-04-2022	Prof. Vishal Chaudhary	No	https://onlinecourses.nptel.ac.in/noc22_ch27/preview
		2	Non-conventional energy Resources	12 Weeks	24-01-2022	15-04-2022	24-04-2022	Prof. Nikhil Paliwal	No	https://onlinecourses.nptel.ac.in/noc22_ge14/preview
	Honor Specialization (VIII Sem)	1	Machine Learning, ML	08 Weeks	21-02-2022	15-04-2022	24-04-2022	Dr Ankit Tiwari	No	https://onlinecourses.nptel.ac.in/noc22_cs24/preview
		2	An Introduction to Artificial Intelligence	12 Weeks	24-01-2022	15-04-2022	24-04-2022	Prof Nipun Gupta	No	https://onlinecourses.nptel.ac.in/noc22_cs56/preview
		3	Linear Dynamical Systems	08 Weeks	24-01-2022	18-03-2022	27-03-2022	Prof A Patra	No	https://onlinecourses.nptel.ac.in/noc22_ee39/preview
	Minor Specialization (VIII Semester)	1	Network Analysis	12 Weeks	24-01-2022	15-04-2022	24-04-2022	Prof Vishal Chaudhary	No	https://onlinecourses.nptel.ac.in/noc22_ee07/preview
		2	Analog Circuits	12 Weeks	24-01-2022	18-03-2022	27-03-2022	Prof Manoj Kumar	No	https://onlinecourses.nptel.ac.in/noc22_ee15/preview
		3	Microprocessors and Microcontrollers	12 Weeks	24-01-2022	15-04-2022	23-04-2022	Prof Kuldeep K Swarnkar	No	https://onlinecourses.nptel.ac.in/noc22_ee12/preview
		4	Operation and Planning of Power Distribution System	12 Weeks	24-01-2022	15-04-2022	24-04-2022	Prof Bhavna Rathore	No	https://onlinecourses.nptel.ac.in/noc22_ee35/preview
	DE-2 (VI Semester)	1	Renewable Energy Engineering: Solar, Wind and Biomass Energy Systems	12 Weeks	24-01-2022	15-04-2022	23-04-2022	Prof Vishal Chaudhary	No	https://onlinecourses.nptel.ac.in/noc22_ch27/preview

Madhav Institute of Technology & Science, Gwalior (M.P.)
(A Govt. Aided UGC Autonomous & NAAC Accredited Institute Affiliated to RGPV, Bhopal)

		2	Non-conventional energy Resources	12 Weeks	24-01-2022	15-04-2022	24-04-2022	Prof. Nikhil Paliwal	No	https://onlinecourses.nptel.ac.in/noc22_ge14/preview	
	Honor Specialization (VI Semester)	1	Machine Learning, ML	08 Weeks	21-02-2022	15-04-2022	24-04-2022	Dr Ankit Tiwari	No	https://onlinecourses.nptel.ac.in/noc22_cs24/preview	
		2	An Introduction to Artificial Intelligence	12 Weeks	24-01-2022	15-04-2022	24-04-2022	Prof Nipun Gupta	No	https://onlinecourses.nptel.ac.in/noc22_cs56/preview	
		3	Computer Networks and Internet Protocol	12 Weeks	24-01-2022	15-04-2022	23-04-2022	Prof Rahul Sagwal	No	https://onlinecourses.nptel.ac.in/noc22_cs19/preview	
	Minor Specialization (VI Semester)	1	Network Analysis	12 Weeks	24-01-2022	15-04-2022	24-04-2022	Prof Vishal Chaudhary	No	https://onlinecourses.nptel.ac.in/noc22_ee07/preview	
		2	Control engineering	12 weeks	24-01-2022	15-04-2022	23-04-2022	Dr. Vikram	No	https://onlinecourses.nptel.ac.in/noc22_ee31/preview	
		3	Power System Engineering	12 weeks	24-01-2022	15-04-2022	24-04-2022	Dr. Himmat Singh	No	https://onlinecourses.nptel.ac.in/noc22_ee17/preview	
		4	Operation and Planning of Power Distribution System	12 weeks	24-01-2022	15-04-2022	24-04-2022	Prof. Bhavna Rathore	No	https://onlinecourses.nptel.ac.in/noc22_ee35/preview	
		5	Principles of Signals and Systems	12 Weeks	24-01-2022	15-04-2022	24-04-2022	Prof. Rahul Sagwal	No	https://onlinecourses.nptel.ac.in/noc22_ee04/preview	
		6	Microprocessors and Microcontrollers	12 Weeks	24-01-2022	15-04-2022	23-04-2022	Prof. Kuldeep Kumar Swarnkar	No	https://onlinecourses.nptel.ac.in/noc22_ee12/preview	
	Civil Engineering	DE-5 (VIII Semester)	1	Safety in Construction	8	21/02/2022	15/04/2022	23/04/2022	Dr S K Jain	No	https://onlinecourses.nptel.ac.in/noc22_ce39/preview
			2	Rock Engineering	12	24/01/2022	15/04/2022	24/04/2022	Prof. Renuka Darshyamkar	No	https://onlinecourses.nptel.ac.in/noc22_ce28/preview
		DE-6 (VIII Semester)	1	Environmental Impact Assessment	12	24/01/2022	15/04/2022	24/04/2022	Prof. Aditya K Agarwal	No	https://onlinecourses.nptel.ac.in/noc22_ar07/preview
2			Strategies for Sustainable Design	12	24/01/2022	15/04/2022	24/04/2022	Dr Abhilash Shukla	No	https://onlinecourses.nptel.ac.in/noc22_de06/preview	
3			Scientific Computing using Matlab	12	24/01/2022	15/04/2022	24/04/2022	Dr Hemant Shrivastava	No	https://onlinecourses.nptel.ac.in/noc22_ma31/preview	
OC-4 (VIII Semester)		1	Air Pollution & Control	12	24/01/2022	15/04/2022	24/04/2022	Dr Prachi Singh	No	https://onlinecourses.nptel.ac.in/noc22_ce22/preview	
		2	Rural Water Resources Management	12	24/01/2022	15/04/2022	23/04/2022	Dr M K Trivedi	No	https://onlinecourses.nptel.ac.in/noc22_ce45/preview	
Honor Specialization (VIII Sem)		1	Probability Methods in Civil Engineering	12	24/01/2022	15/04/2022	24/04/2022	Dr Jayvant Choudhary	No	https://onlinecourses.nptel.ac.in/noc22_ce31/preview	
	2	Soil Structure Interaction	12	24/01/2022	15/04/2022	23/04/2022	Dr Chayan Gupta	No	https://onlinecourses.nptel.ac.in/noc22_ce36/preview		

Madhav Institute of Technology & Science, Gwalior (M.P.)
(A Govt. Aided UGC Autonomous & NAAC Accredited Institute Affiliated to RGPV, Bhopal)

		3	Retrofitting & Rehabilitation of Civil Infrastructure	12	24/01/2022	15/04/2022	24/04/2022	Prof Archana Tiwari	No	https://onlinecourses.nptel.ac.in/noc22_ce20/preview	
		4	Digital Land Surveying & Mapping	8	21/02/2022	15/04/2022	23/04/2022	Dr Jayvant Choudhary	No	https://onlinecourses.nptel.ac.in/noc22_ce05/preview	
	Minor Specialization (VIII Semester)	1	Strategies for Sustainable Design	12	24/01/2022	15/04/2022	24/04/2022	Dr Abhilash Shukla	No	https://onlinecourses.nptel.ac.in/noc22_de06/preview	
		2	Rural Water Resources Management	12	24/01/2022	15/04/2022	23/04/2022	Dr M K Trivedi	No	https://onlinecourses.nptel.ac.in/noc22_ce45/preview	
	DE-2 (VI Semester)	1	Geotechnical Engineering - II (Foundation Engineering)	12	24/01/2022	15/04/2022	24/04/2022	Prof. Renuka Darshyamkar	No	https://onlinecourses.nptel.ac.in/noc22_ce01/preview	
		2	Concrete Technology	12	24/01/2022	15/04/2022	23/04/2022	Prof. Gautam Bhadoriya	No	https://onlinecourses.nptel.ac.in/noc22_ce50/preview	
		3	Air Pollution & Control	12	24/01/2022	15/04/2022	24/04/2022	Dr Prachi Singh	No	https://onlinecourses.nptel.ac.in/noc22_ce22/preview	
	Honor Specialization (VI Semester)	1	Structural Dynamics	12	24/01/2022	15/04/2022	23/04/2022	Dr Hemant Shrivastava	No	https://onlinecourses.nptel.ac.in/noc22_ce14/preview	
		2	Geology & Soil Mechanics	12	24/01/2022	15/04/2022	24/04/2022	Dr Chayan Gupta	No	https://onlinecourses.nptel.ac.in/noc22_ce02/preview	
		3	Geographic Information Systems	12	24/01/2022	15/04/2022	23/04/2022	Dr Pachi Singh	No	https://onlinecourses.nptel.ac.in/noc22_ce26/preview	
		4	Environmental Impact Assessment	12	24/01/2022	15/04/2022	24/04/2022	Prof. Aditya K Agarwal	No	https://onlinecourses.nptel.ac.in/noc22_ar07/preview	
	Minor Specialization (VI Semester)	1	Water & Wastewater Treatment	12	24/01/2022	15/04/2022	24/04/2022	Prof Deepak Rastogi	No	https://onlinecourses.nptel.ac.in/noc22_ce27/preview	
		2	Introduction to Civil Engineering Profession	8	24/01/2022	18/03/2022	27/03/2022	Prof A K Saxena	No	https://onlinecourses.nptel.ac.in/noc22_ce42/preview	
		3	Hydraulic Engineering	12	24/01/2022	15/04/2022	23/04/2022	Dr M K Trivedi	No	https://onlinecourses.nptel.ac.in/noc22_ce06/preview	
	Computer Science Engineering	DE-5 (VIII Semester)	1	Social Network	12 Weeks	January 24, 2022	04-15-2022	April 24, 2022	Prof. Ankita Sengar	No	https://onlinecourses.nptel.ac.in/noc22_cs30/preview
			2	Ethical Hacking	12 Weeks	January 24, 2022	04-15-2022	April 23, 2022	Dr. Rajni Ranjan Singh	No	https://onlinecourses.nptel.ac.in/noc22_cs13/preview
			3	Hardware Security	12 Weeks	January 24, 2022	04-15-2022	April 24, 2022	Dr. Ranjeet Kumar Singh	No	https://onlinecourses.nptel.ac.in/noc22_cs48/preview
		DE-6 (VIII Semester)	1	Blockchain and its Applications	12 Weeks	January 24, 2022	04-15-2022	April 23, 2022	Dr. Kalka Dubey	No	https://onlinecourses.nptel.ac.in/noc22_cs44/preview
2			Online Privacy	12 Weeks	January 24, 2022	04-15-2022	April 23, 2022	Prof Kratika Sharma	No	https://onlinecourses.nptel.ac.in/noc22_cs37/preview	
3			Reinforcement Learning	12 Weeks	January 24, 2022	April 15, 2022	April 23, 2022	Prof Arun Kumar	No	https://onlinecourses.nptel.ac.in/noc22_cs34/preview	
OC-4		1	Ethical Hacking	12	January	04-15-	April 23,	Dr. Rajni	No	https://onlinecourses.nptel.ac.in/	

Madhav Institute of Technology & Science, Gwalior (M.P.)
(A Govt. Aided UGC Autonomous & NAAC Accredited Institute Affiliated to RGPV, Bhopal)

(VIII Semester)			Wee ks	24, 2022	2022	2022	Ranjan Singh		noc22_cs13/preview
	2	Introduction to Internet of Things	12 Wee ks	January 24, 2022	04-15- 2022	April 23, 2022	Dr. Anjula Mehto	No	https://onlinecourses.nptel.ac.in/noc22_cs53/preview
	3	Online Privacy	12 Wee ks	January 24, 2022	04-15- 2022	April 23, 2022	Prof Kratika Sharma	No	https://onlinecourses.nptel.ac.in/noc22_cs37/preview
Honor Specialization (VIII Sem)	1	Advanced Computer Architecture	8 Wee ks	February 21, 2022	04-15- 2022	April 24, 2022	Dr. R.K. Gupta	No	https://onlinecourses.nptel.ac.in/noc22_cs10/preview
	2	Information Security - 5 - Secure Systems Engineering	8 Wee ks	January 24, 2022	03-18- 2022	March 27, 2022	Dr. Ranjeet Kumar Singh	No	https://onlinecourses.nptel.ac.in/noc22_cs23/preview
	3	Foundations of Cryptography	12 Wee ks	January 24, 2022	04-15- 2022	April 23, 2022	Prof Aishwarya	No	https://onlinecourses.nptel.ac.in/noc22_cs03/preview
Minor Specialization (VIII Semester)	1	Cloud Computing and Distributed Systems	8 Wee ks	January 24, 2022	03-18- 2022	March 27, 2022	Dr. Kalka Dubey	No	https://onlinecourses.nptel.ac.in/noc22_cs18/preview
	2	Introduction to Machine Learning	12 Wee ks	January 24, 2022	04-15- 2022	April 24, 2022	Prof Mir Shahnawaz Ahmad	No	https://onlinecourses.nptel.ac.in/noc22_cs29/preview
	3	Data Science for Engineers	8 Wee ks	January 24, 2022	03-18- 2022	March 27, 2022	Prof Arun Kumar	No	https://onlinecourses.nptel.ac.in/noc22_cs28/preview
DE-2 (VI Semester)	1	An Introduction to Artificial Intelligence	12 Wee ks	January 24, 2022	04-15- 2022	April 24, 2022	Prof Jaimala Jha	No	https://onlinecourses.nptel.ac.in/noc22_cs56/preview
	2	Introduction To Internet of Things	12 Wee ks	January 24, 2022	04-15- 2022	April 23, 2022	Dr. Anjula Mehto	No	https://onlinecourses.nptel.ac.in/noc22_cs53/preview
	3	Object Oriented System Development Using UML, Java And Patterns	12 Wee ks	January 24, 2022	04-15- 2022	April 23, 2022	Prof Mahesh Parmar	No	https://onlinecourses.nptel.ac.in/noc22_cs55/preview
Honor Specialization (VI Semester)	1	GPU Architectures and Programming	12 Wee ks	January 24, 2022	04-15- 2022	April 24, 2022	Prof Khushboo Agarwal	No	https://onlinecourses.nptel.ac.in/noc22_cs09/preview
	2	Introduction to parallel programming with OpenMP and MPI	8 Wee ks	January 24, 2022	03-18- 2022	March 27, 2022	Prof Amit Manjhar	No	https://onlinecourses.nptel.ac.in/noc22_cs21/preview
	3	Data Science for Engineers	8 Wee ks	January 24, 2022	03-18- 2022	March 27, 2022	Prof Arun Kumar	No	https://onlinecourses.nptel.ac.in/noc22_cs28/preview
Minor Specialization (VI Semester)	1	Programming In Java	12 Wee ks	January 24, 2022	04-15- 2022	April 24, 2022	Prof Mahesh Parmar	No	https://onlinecourses.nptel.ac.in/noc22_cs47/preview
	2	Database Management System	8 Wee	January 24, 2022	03-18- 2022	March 27,	Prof Jaimala Jha	No	https://onlinecourses.nptel.ac.in/noc22_cs51/preview

Madhav Institute of Technology & Science, Gwalior (M.P.)
(A Govt. Aided UGC Autonomous & NAAC Accredited Institute Affiliated to RGPV, Bhopal)

				ks			2022			
		3		12 Weeks	January 24, 2022	04-15- 2022	April 23, 2022	Prof Mahesh Parmar	No	https://onlinecourses.nptel.ac.in/noc22_cs13/preview
		4	Ethical Hacking	12 Weeks	January 24, 2022	04-15- 2022	April 23, 2022	Prof Khushboo Agarwal	No	https://onlinecourses.nptel.ac.in/noc22_cs19/preview
	DE-5 (VIII Semester)	1	Deep Learning	12 Weeks	24-Jan- 2022	15-Apr- 2022	23-Apr- 2022	Dr. Tej Singh	No	https://onlinecourses.nptel.ac.in/noc22_cs22/preview
		2	Blockchain and its Applications	12 Weeks	24-Jan- 2022	15-Apr- 2022	23-Apr- 2022	Dr. Bhagat Singh Raghuwanshi	No	https://onlinecourses.nptel.ac.in/noc22_cs44/preview
		3	Object Oriented System Development Using UML, Java And Patterns	12 Weeks	24-Jan- 2022	15-Apr- 2022	23-Apr- 2022	Prof. Namrata Agrawal	No	https://onlinecourses.nptel.ac.in/noc22_cs55/preview
	DE-6 (VIII Semester)	1	Ethical Hacking	12 Weeks	24-Jan- 2022	15-Apr- 2022	23-Apr- 2022	Prof. Vishwas Srivastava	No	https://onlinecourses.nptel.ac.in/noc22_cs13/preview
		2	Advanced Graph Theory	8 Weeks	21-Feb- 2022	15-Apr- 2022	23-Apr- 2022	Dr. Dhananjay Bisen	No	https://onlinecourses.nptel.ac.in/noc22_cs17/preview
		3	Information Security-5-Secure Systems Engineering	8 Weeks	24-Jan- 2022	18- Mar- 2022	27-Mar- 2022	Dr. Vikram Rajpoot	No	https://onlinecourses.nptel.ac.in/noc22_cs23/preview
	OC-4 (VIII Semester)	1	Data Science for Engineers	8 Weeks	24-Jan- 2022	18- Mar- 2022	27-Mar- 2022	Dr. Pawan Dudey	No	https://onlinecourses.nptel.ac.in/noc22_cs28/preview
		2	Social Networks	12 Weeks	24-Jan- 2022	15-Apr- 2022	24-Apr- 2022	Dr. Sanjiv Sharma	No	https://onlinecourses.nptel.ac.in/noc22_cs30/preview
	Honor Specializa tion (VIII Sem)	1	User-centric Computing for Human- Computer Interaction	8 Weeks	24-Jan- 2022	18- Mar- 2022	27-Mar- 2022	Dr.Yogeshwar Singh Dadwhal	No	https://onlinecourses.nptel.ac.in/noc22_cs16/preview
		2	Online Privacy	12 Weeks	24-Jan- 2022	15-Apr- 2022	23-Apr- 2022	Prof. Namrata Agrawal	No	https://onlinecourses.nptel.ac.in/noc22_cs37/preview
		3	Hardware Security	12 Weeks	24-Jan- 2022	15-Apr- 2022	24-Apr- 2022	Dr. Bhagat Singh Raghuwanshi	No	https://onlinecourses.nptel.ac.in/noc22_cs48/preview
	Minor Speciliza tion (VIII Semester)	1	Foundations of Cryptography	12 Weeks	24-Jan- 2022	15-Apr- 2022	23-Apr- 2022	Dr. Vikram Rajpoot	No	https://onlinecourses.nptel.ac.in/noc22_cs03/preview
		2	Design and Engineering of Computer Systems	8 Weeks	24-Jan- 2022	18- Mar- 2022	27-Mar- 2022	Prof. Abhishek Dixit	No	https://onlinecourses.nptel.ac.in/noc22_cs38/preview
		3	Introduction to internet of things	12 Week	24-Jan- 2022	15-Apr- 2022	23-Apr- 2022	Mr. Vikas Sejwar	No	https://onlinecourses.nptel.ac.in/noc22_cs53/preview

**Information
Technology**

Madhav Institute of Technology & Science, Gwalior (M.P.)
(A Govt. Aided UGC Autonomous & NAAC Accredited Institute Affiliated to RGPV, Bhopal)

				s						
	DE-2 (VI Semester)	1	Data Analytics with Python	12 Weeks	24-Jan-2022	15-Apr-2022	23-Apr-2022	Dr.Yogeshwar Singh Dadwhal	No	https://onlinecourses.nptel.ac.in/noc22_cs08/preview
		2	Introduction to Machine Learning	12 Weeks	24-Jan-2022	15-Apr-2022	24-Apr-2022	Dr. Saumil Maheshwari	No	https://onlinecourses.nptel.ac.in/noc22_cs29/preview
		3	Artificial Intelligence: Knowledge Representation And Reasoning	12 Weeks	24-Jan-2022	15-Apr-2022	23-Apr-2022	Prof. Rajeev Kumar Singh	No	https://onlinecourses.nptel.ac.in/noc22_cs02/preview
	Honor Specialization (VI Semester)	1	GPU Architectures and Programming	12 Weeks	24-Jan-2022	15-Apr-2022	24-Apr-2022	Dr. Tej Singh	No	https://onlinecourses.nptel.ac.in/noc22_cs09/preview
		2	Advanced Computer Architecture	8 Weeks	21-Feb-2022	15-Apr-2022	24-Apr-2022	Dr. Pawan Dudey	No	https://onlinecourses.nptel.ac.in/noc22_cs10/preview
		3	Introduction to Industry 4.0 and Industrial Internet of Things	12 Weeks	24-Jan-2022	15-Apr-2022	24-Apr-2022	Dr. Dhananjay Bisen	No	https://onlinecourses.nptel.ac.in/noc22_cs52/preview
	Minor Specialization (VI Semester)	Domain 1: Programming								
		1	Object Oriented System Development using UML, Java and Patterns	12 Weeks	24-Jan-2022	15-Apr-2022	23-Apr-2022	Prof. Namrata Agrawal	No	https://onlinecourses.nptel.ac.in/noc22_cs55/preview
		2	Cloud computing	12 Weeks	24-Jan-2022	15-Apr-2022	24-Apr-2022	Prof. Neha Bhardwaj	No	https://onlinecourses.nptel.ac.in/noc22_cs20/preview
		Domain 2: Systems								
		1	Computer Networks and Internet Protocol	12 Weeks	24-Jan-2022	15-Apr-2022	23-Apr-2022	Prof. Abhilash Sonkar	No	https://onlinecourses.nptel.ac.in/noc22_cs19/preview
		2	Introduction to Database Systems	12 Weeks	24-Jan-2022	15-Apr-2022	23-Apr-2022	Prof. Punit Kumar Johari	No	https://swayam.gov.in/nd1_noc22_cs57/preview
Mechanical Engineering	DE-5 (VIII Semester)	1	Quality design and control	12 Weeks	24-Jan-2022	15-Apr-2022	24-Apr-2022	Dr M.K Sagar	NO	https://onlinecourses.nptel.ac.in/noc22_mg16/preview
		2	Robotics: Basics and Selected Advanced Concepts	12 Weeks	24-Jan-2022	15-Apr-2022	23-Apr-2022	Dr Harbhajan Aherwar	No	https://onlinecourses.nptel.ac.in/noc22_me39/preview
		3	Steam and Gas Power Systems	8 Weeks	21-Feb-2022	15-Apr-2022	24-Apr-2022	Prof Subhash Pal	No	https://onlinecourses.nptel.ac.in/noc22_me07/preview
	DE-6 (VIII Semester)	1	Sound and Structural Vibration	12 Weeks	24-Jan-2022	15-Apr-2022	24-Apr-2022	Dr Nitin Upadhyay	No	https://onlinecourses.nptel.ac.in/noc22_me34/preview
		2	Carbon Materials and Manufacturing	12 Weeks	24-Jan-2022	15-Apr-2022	23-Apr-2022	Dr Surendra Chaurasiya	No	https://onlinecourses.nptel.ac.in/noc22_mm01/preview

Madhav Institute of Technology & Science, Gwalior (M.P.)
(A Govt. Aided UGC Autonomous & NAAC Accredited Institute Affiliated to RGPV, Bhopal)

				s						
		3	Introduction to Abrasive Machining and Finishing Processes	8 Weeks	24-Jan-2022	18-Mar-2022	27-Mar-2022	Dr G. Norkey	No	https://onlinecourses.nptel.ac.in/noc22_me20/preview
	OC-4 (VIII Semester)	1	Waste to energy conversion	8 Weeks	24-Jan-2022	18-Mar-2022	27-Mar-2022	Dr. R.K Ranjan	No	https://onlinecourses.nptel.ac.in/noc22_ch05/preview
		2	Product Design and Manufacturing	12 Weeks	24-Jan-2022	15-Apr-2022	23-Apr-2022	Prof Sharad Agarwal	No	https://onlinecourses.nptel.ac.in/noc22_me11/preview
		3	Automatic Control	8 Weeks	24-Jan-2022	18-Mar-2022	27-Mar-2022	Dr Neeraj Mishra	No	https://onlinecourses.nptel.ac.in/noc22_me12/preview
	Honor Specialization (VIII Sem)	1	Fundamentals of Nuclear Power Generation	12 Weeks	24-Jan-2022	15-Apr-2022	24-Apr-2022	Dr M.K Gaur	No	https://onlinecourses.nptel.ac.in/noc22_me15/preview
		2	Modelling and Simulation of Dynamic Systems	8 Weeks	24-Jan-2022	18-Mar-2022	27-Mar-2022	Dr Nitin Upadhyay	No	https://onlinecourses.nptel.ac.in/noc22_me18/preview
		3	Computer integrated Manufacturing	12 Weeks	24-Jan-2022	15-Apr-2022	23-Apr-2022	Dr Amit Aherwar	No	https://onlinecourses.nptel.ac.in/noc22_me10/preview
	Minor Specialization (VIII Semester)	1	Computational Fluid Dynamics for Incompressible Flows	12 Weeks	24-Jan-2022	15-Apr-2022	23-Apr-2022	Dr Jyoti Vimal	No	https://onlinecourses.nptel.ac.in/noc22_me02/preview
		2	Mechanics of Machining	8 Weeks	24-Jan-2022	18-Mar-2022	27-Mar-2022	Prof V. Chaturvedi	No	https://onlinecourses.nptel.ac.in/noc22_me13/preview
	DE-2 (VI Semester)	1	Fundamental of Welding Science and Technology	8 Weeks	24-Jan-2022	18-Mar-2022	27-Mar-2022	Prof R.P Kori	No	https://onlinecourses.nptel.ac.in/noc22_me19/preview
		2	Viscous fluid flow	12 Weeks	24-Jan-2022	15-Apr-2022	24-Apr-2022	Dr Ashish Agarwal	No	https://onlinecourses.nptel.ac.in/noc22_me49/preview
		3	Properties of Materials (Nature and Properties of Materials : III)	8 Weeks	21-Feb-2022	15-Apr-2022	23-Apr-2022	Dr Dinesh Rathore	No	https://onlinecourses.nptel.ac.in/noc22_mm06/preview
	Honor Specialization (VI Semester)	1	Conduction And Convection Heat Transfer	8 Weeks	21-Feb-2022	15-Apr-2022	24-Apr-2022	Prof Bhupendra Pandey	No	https://onlinecourses.nptel.ac.in/noc22_me63/preview
		2	Robot motion planning	8 Weeks	21-Feb-2022	15-Apr-2022	24-Apr-2022	Dr Pratesh Jayaswal	No	https://onlinecourses.nptel.ac.in/noc22_me41/preview
		3	Theory and Practice of Non Destructive Testing	8 Weeks	24-Jan-2022	18-Mar-2022	27-Mar-2022	Dr Ashish Agarwal	No	https://onlinecourses.nptel.ac.in/noc22_mm13/preview
	Minor Specializa	1	Transport Processes I: Heat and Mass Transfer	12 Week	24-Jan-2022	15-Apr-2022	24-Apr-2022	Prof Utkarsh Srivastava	No	https://onlinecourses.nptel.ac.in/noc22_ch07/preview

Madhav Institute of Technology & Science, Gwalior (M.P.)
(A Govt. Aided UGC Autonomous & NAAC Accredited Institute Affiliated to RGPV, Bhopal)

	tion (VI Semester)		s							
		2	Introduction To Mechanical Micro Machining	12 Weeks	24-Jan-2022	15-Apr-2022	24-Apr-2022	Prof Ajay Rajput	No	https://onlinecourses.nptel.ac.in/noc22_me14/preview
Automobile Engineering	DE-5 (VIII Semester)	1	Wheeled mobile Robots	8 Weeks	24-Jan-2022	18-Mar-2022	27-Mar-2022	Prof Ajay Rajput	No	https://onlinecourses.nptel.ac.in/noc22_me38/preview
		2	Steam and Gas Power Systems	8 Weeks	21-Feb-2022	15-Apr-2022	24-Apr-2022	Prof Subhash Pal	No	https://onlinecourses.nptel.ac.in/noc22_me07/preview
		3	Fundamentals of Theoretical and Experimental Aerodynamics	12 Weeks	24-Jan-2022	15-Apr-2022	23-Apr-2022	Dr C.S Malvi	No	https://onlinecourses.nptel.ac.in/noc22_ae09/preview
	DE-6 (VIII Semester)	1	Experimental Stress Analysis	12 Weeks	24-Jan-2022	15-Apr-2022	24-Apr-2022	Prof Subhash Pal	No	https://onlinecourses.nptel.ac.in/noc22_me67/preview
		2	Applied Ergonomics	12 Weeks	24-Jan-2022	15-Apr-2022	23-Apr-2022	Prof Vaibhav Shivhare	No	https://onlinecourses.nptel.ac.in/noc22_me32/preview
		3	Introduction to soft matter	8 Weeks	21-Feb-2022	15-Apr-2022	23-Apr-2022	Prof Utkarsh Srivastava	No	https://onlinecourses.nptel.ac.in/noc22_me27/preview
	OC-4 (VIII Semester)	1	Waste to energy conversion	8 Weeks	24-Jan-2022	18-Mar-2022	27-Mar-2022	Dr. R.K Ranjan	No	https://onlinecourses.nptel.ac.in/noc22_ch05/preview
		2	Product Design and Manufacturing	12 Weeks	24-Jan-2022	15-Apr-2022	23-Apr-2022	Prof Sharad Agarwal	No	https://onlinecourses.nptel.ac.in/noc22_me11/preview
		3	Automatic Control	8 Weeks	24-Jan-2022	18-Mar-2022	27-Mar-2022	Dr Neeraj Mishra	No	https://onlinecourses.nptel.ac.in/noc22_me12/preview
	Honor Specialization (VIII Sem)	1	Fundamentals of Nuclear Power Generation	12 Weeks	24-Jan-2022	15-Apr-2022	24-Apr-2022	Dr M.K Gaur	No	https://onlinecourses.nptel.ac.in/noc22_me15/preview
		2	Modelling and Simulation of Dynamic Systems	8 Weeks	24-Jan-2022	18-Mar-2022	27-Mar-2022	Dr Nitin Upadhyay	No	https://onlinecourses.nptel.ac.in/noc22_me18/preview
		3	Computer integrated Manufacturing	12 Weeks	24-Jan-2022	15-Apr-2022	23-Apr-2022	Dr Amit Aherwar	No	https://onlinecourses.nptel.ac.in/noc22_me10/preview
	Minor Specialization (VIII Semester)	1	Computational Fluid Dynamics for Incompressible Flows	12 Weeks	24-Jan-2022	15-Apr-2022	23-Apr-2022	Dr Jyoti Vimal	No	https://onlinecourses.nptel.ac.in/noc22_me02/preview
		2	Mechanics of Machining	8 Weeks	24-Jan-2022	18-Mar-2022	27-Mar-2022	Prof V. Chaturvedi	No	https://onlinecourses.nptel.ac.in/noc22_me13/preview
	DE-2 (VI)	1	Robotics and Control : Theory and Practice	8 Week	24-Jan-2022	18-Mar-	27-Mar-2022	Dr Neeraj Mishra	No	https://onlinecourses.nptel.ac.in/noc22_me05/preview

Madhav Institute of Technology & Science, Gwalior (M.P.)
(A Govt. Aided UGC Autonomous & NAAC Accredited Institute Affiliated to RGPV, Bhopal)

	Semester)			s	2022					
		2	Fundamentals of Automotive systems	12 Weeks	24-Jan-2022	15-Apr-2022	23-Apr-2022	Dr R.K Ranjan	No	https://onlinecourses.nptel.ac.in/noc22_de02/preview
		3	Viscous fluid flow	12 Weeks	24-Jan-2022	15-Apr-2022	24-Apr-2022	Dr Ashish Agarwal	No	https://onlinecourses.nptel.ac.in/noc22_me49/preview
	Honor Specialization (VI Semester)	1	Conduction And Convection Heat Transfer	8 Weeks	21-Feb-2022	15-Apr-2022	24-Apr-2022	Prof Bhupendra Pandey	No	https://onlinecourses.nptel.ac.in/noc22_me63/preview
		2	Robot motion planning	8 Weeks	21-Feb-2022	15-Apr-2022	24-Apr-2022	Dr Pratesh Jayaswal	No	https://onlinecourses.nptel.ac.in/noc22_me41/preview
		3	Theory and Practice of Non Destructive Testing	8 Weeks	24-Jan-2022	18-Mar-2022	27-Mar-2022	Dr Ashish Agarwal	No	https://onlinecourses.nptel.ac.in/noc22_mm13/preview
	Minor Specialization (VI Semester)	1	Transport Processes I: Heat and Mass Transfer	12 Weeks	24-Jan-2022	15-Apr-2022	24-Apr-2022	Prof Utkarsh Srivastava	No	https://onlinecourses.nptel.ac.in/noc22_ch07/preview
		2	Introduction To Mechanical Micro Machining	12 Weeks	24-Jan-2022	15-Apr-2022	24-Apr-2022	Prof Ajay Rajput	No	https://onlinecourses.nptel.ac.in/noc22_me14/preview
Chemical Engineering	DE-5 (VIII Semester)	1	Optimization in Chemical Engg.	12 Weeks	January 24, 2022	04-15-2022	April 23, 2022	Prof. Swati Gupta	No	https://onlinecourses.nptel.ac.in/noc22_ch15/preview
		2	Waste to Energy Conversion	8 Weeks	January 24, 2022	03-18-2022	March 27, 2022	Dr. Shourabh Singh Raghuwanshi	No	https://onlinecourses.nptel.ac.in/noc22_ch05/preview
		3	Biomass Conversion and Biorefinery	12 Weeks	January 24, 2022	04-15-2022	April 23, 2022	Prof. Anish P.Jacob	No	https://onlinecourses.nptel.ac.in/noc22_ch28/preview
	DE-6 (VIII Semester)	1	Physico-chemical processes for wastewater treatment	12 Weeks	January 24, 2022	04-15-2022	April 23, 2022	Prof. Swati Gupta	No	https://onlinecourses.nptel.ac.in/noc22_ch25/preview
		2	Chemical Process Utilities	12 Weeks	January 24, 2022	04-15-2022	April 23, 2022	Dr. Shourabh Singh Raghuwanshi	No	https://onlinecourses.nptel.ac.in/noc22_ch24/preview
	OC-4 (VIII Semester)	1	Environmental Quality Monitoring & Analysis	12 Weeks	January 24, 2022	04-15-2022	April 24, 2022	Dr. Shourabh Singh Raghuwanshi	No	https://onlinecourses.nptel.ac.in/noc22_ch33/preview
		2	Electrochemical Technology in Pollution Control	8 Weeks	January 24, 2022	03-18-2022	March 27, 2022	Prof. Anish P.Jacob	No	https://onlinecourses.nptel.ac.in/noc22_ch17/preview
	Honor Specialization (VIII Semester)	1	Computer Aided Applied Single Objective Optimization	12 Weeks	January 24, 2022	04-15-2022	April 23, 2022	Prof. Swati Gupta	No	https://onlinecourses.nptel.ac.in/noc22_ch04/preview
		2	Polymer Reaction Engineering	12 Weeks	January 24, 2022	04-15-2022	April 23, 2022	Dr. R.K.Dubey	No	https://onlinecourses.nptel.ac.in/noc22_ch34/preview

Madhav Institute of Technology & Science, Gwalior (M.P.)
(A Govt. Aided UGC Autonomous & NAAC Accredited Institute Affiliated to RGPV, Bhopal)

				ks						
		3	Advanced Thermodynamics and Molecular Simulations	12 Wee ks	January 24, 2022	04-15-2022	April 24, 2022	Prof. Anish P.Jacob	No	https://onlinecourses.nptel.ac.in/noc22_ch30/preview
	Minor Specilization (VIII Semester)	1	Transport Processes I: Heat and Mass Transfer	12 Wee ks	January 24, 2022	04-15-2022	April 24, 2022	Prof. Anish P.Jacob	No	https://onlinecourses.nptel.ac.in/noc22_ch07/preview
		2	Chemical Engineering Thermodynamics	12 Wee ks	January 24, 2022	04-15-2022	April 23, 2022	Prof. Swati Gupta	No	https://onlinecourses.nptel.ac.in/noc22_ch16/preview
		3	Chemical Process Instrumentation	12 Wee ks	January 24, 2022	04-15-2022	April 24, 2022	Dr. Shourabh Singh Raghuwanshi	No	https://onlinecourses.nptel.ac.in/noc22_ch35/preview
		DE-2 (VI Semester)	1	Physical and Electrochemical Characterizations in Chemical Engineering	8 Wee ks	January 24, 2022	03-18-2022	March 27, 2022	Dr. R.K.Dubey	No
	2		Membrane Technology	12 Wee ks	January 24, 2022	04-15-2022	April 23, 2022	Prof. Anish P.Jacob	No	https://onlinecourses.nptel.ac.in/noc22_ch14/preview
	3		Multiphase Flow	8 Wee ks	January 24, 2022	03-18-2022	March 27, 2022	Prof. Swati Gupta	No	https://onlinecourses.nptel.ac.in/noc22_ch18/preview
	Honor Specialization (VI Semester)	1	Environmental Quality Monitoring & Analysis	12 Wee ks	January 24, 2022	04-15-2022	April 24, 2022	Dr. Shourabh Singh Raghuwanshi	No	https://onlinecourses.nptel.ac.in/noc22_ch33/preview
		2	Electrochemical Technology in Pollution Control	8 Wee ks	January 24, 2022	03-18-2022	March 27, 2022	Prof. Anish P.Jacob	No	https://onlinecourses.nptel.ac.in/noc22_ch17/preview
		3	Soft Nano Technology	8 Wee ks	January 24, 2022	03-18-2022	March 27, 2022	Prof. Anish P.Jacob	No	https://onlinecourses.nptel.ac.in/noc22_ch11/preview
	Minor Specialization (VI Semester)	1	Process Control - Design, Analysis and Assessment	12 Wee ks	January 24, 2022	04-15-2022	April 24, 2022	Prof. Swati Gupta	No	https://onlinecourses.nptel.ac.in/noc22_ch21/preview
		2	Membrane Technology	12 Wee ks	January 24, 2022	04-15-2022	April 23, 2022	Prof. Anish P.Jacob	No	https://onlinecourses.nptel.ac.in/noc22_ch14/preview
		3	Basic Principles and Calculations in Chemical Engineering	12 Wee ks	January 24, 2022	04-15-2022	April 24, 2022	Prof. Swati Gupta	No	https://onlinecourses.nptel.ac.in/noc22_ch02/preview
Architecture	DE - 4 (VI Semester)	1	Strategies for Sustainable Design	12 Wee ks	18-01-2022	26-04-2022	25-04-2022	Ar. Geetika Jha	No	https://onlinecourses.nptel.ac.in/noc22_de06/preview
		2	Environmental Impact Assessment	12 Wee ks	24-01-2022	15-04-2022	24-04-2022	Ar. Harshita Mishra	No	https://onlinecourses.nptel.ac.in/noc22_ar07/preview
		3	Disaster Recovery & Build Back Better	8 Wee ks	21-02-2022	15-04-2022	24-04-2022	Ar. Ankit Kumar	No	https://onlinecourses.nptel.ac.in/noc22_ar05/preview

Madhav Institute of Technology & Science, Gwalior (M.P.)
(A Govt. Aided UGC Autonomous & NAAC Accredited Institute Affiliated to RGPV, Bhopal)

				s						
	DE - 7 (X Semester)	1	Environmental Impact Assessment (NPTEL)	12 Weeks	24-01-2022	15-04-2022	24-04-2022	Ar. Harshita Mishra	No	https://onlinecourses.nptel.ac.in/noc22_ar07/preview
		2	GIS (NPTEL)	15 Weeks	24-01-2022	15-04-2022	23-04-2022	Ar. Harshita Mishra	No	https://onlinecourses.nptel.ac.in/noc22_ce26/preview
		3	BIM: from sketch to digital twin (Coursera)	4 Weeks (27 Hours)	04-01-2022 (Enrollment)	-	-	-	No	https://www.coursera.org/learn/bim-from-sketch-to-digital-twin
		4	Google UX (Coursera)	26 Weeks	04-01-2022 (Enrollment)	-	-	-	No	https://www.coursera.org/professional-certificates/google-ux-design#courses
Biotechnology	VIII Sem	DE-V	Medical Biomaterials	8 Weeks	February 21, 2022	April 15, 2022	April 23, 2022	Dr. Sunita Sharma	No	https://onlinecourses.nptel.ac.in/noc22_bt15/preview
			Bioreactor Design and Analysis	8 Weeks	January 24, 2022	March 18, 2022	March 27, 2022	Dr. Sunita Sharma	No	https://onlinecourses.nptel.ac.in/noc22_bt19/preview
		DE-VI	Nanotechnology In Agriculture	8 Weeks	February 21, 2022	April 15, 2022	April 24, 2022	Dr. Sunita Sharma	No	https://onlinecourses.nptel.ac.in/noc22_bt25/preview
			Structural Biology	12 weeks	January 24, 2022	April 15, 2022	April 23, 2022	Dr. Sunita Sharma	No	https://onlinecourses.nptel.ac.in/noc22_bt28/preview

Madhav Institute of Technology & Science, Gwalior (M.P.)
(A Govt. Aided UGC Autonomous & NAAC Accredited Institute Affiliated to RGPV, Bhopal)

For any query you may please contact to your SWAYAM coordinator of the department. The list is given below:

Civil Engineering	Prof. G. Bhadoriya
Mechanical Engineering	Mr. Bhupendra Pandey
Electrical Engineering	Dr. Shishir Dixit
Electronics	Dr. Sandeep Sharma
Chemical	Prof. Swati Gupta
Computer Science & Engineering	Dr Rajni Ranjan Singh
Automobile Engineering	Mr. Bhupendra Pandey
Electronics and Telecommunication	Dr. Sandeep Sharma
Information Technology	Dr.Punit Kumar Johari
Architecture	Prof Harshita Mishra
Mathematics & Computing	Dr. J. K. Mutele
Electrical Engineering with IOT	Dr. Vikram
Information Technology with IOT	Dr. Sanjiv Sharma
Artificial Intelligence and Robotics	Dr. Saumil Maheshwari
