

MADHAV INSTITUTE OF TECHNOLOGY AND SCIENCE, GWALIOR
(A Govt. Aided UGC Autonomous & NAAC Accredited Institute Affiliated to RGPV, Bhopal)

List of offered Elective/Honor/Minor/Self study courses for UG III,V and VII semester for session July-Dec 2021

Name of Department	Category	S.No.	Full Name of Course	Weeks	Start Date	End Date	Exam Date	Mentor of our Institute	URL Link (Swayam Portal)
Electronics Engineering	Department Elective Courses (VII SEM)	1	Digital Image Processing	12	26-Jul-21	15-Oct-21	23-Oct-21	Prof. Pooja Sahoo	https://onlinecourses.nptel.ac.in/noc21_ee78/preview
		2	Introduction to Wireless and Cellular Communications	12	26-Jul-21	15-Oct-21	24-Oct-21	Prof. Madhav Singh	https://onlinecourses.nptel.ac.in/noc21_ee66/preview
		3	Millimeter Wave Technology	8	26-Jul-21	17-Sep-21	26-Sep-21	Prof. D K Parsedia	https://onlinecourses.nptel.ac.in/noc21_ee76/preview
	Honor Specialization (V Sem)	1	Solid State Physics	8	23-Aug-21	15-Oct-21	23-Oct-21	Prof. Rishabh Shukla	https://onlinecourses.nptel.ac.in/noc21_ph21/preview
		2	Cloud Computing	8	23-Aug-21	15-Oct-21	23-Oct-21	Prof. Shambhu Kumar	https://onlinecourses.nptel.ac.in/noc21_cs62/preview
		3	Solar Photovoltaics Fundamentals, Technology and Applications	8	26-Jul-21	17-Sep-21	26-Sep-21	Prof. Deepak Batham	https://onlinecourses.nptel.ac.in/noc21_ph25/preview
	Minor Specialization (V Sem)	1	Semiconductor Devices and Circuits	12	26-Jul-21	15-Oct-21	23-Oct-21	Dr. Hemant Choubey	https://onlinecourses.nptel.ac.in/noc21_ee80/preview
		2	Digital Circuits	12	26-Jul-21	15-Oct-21	23-Oct-21	Dr Vandana Vikas Thakare	https://onlinecourses.nptel.ac.in/noc21_ee75/preview
		3	Analog Communication	12	26-Jul-21	15-Oct-21	23-Oct-21	Dr. Karuna Markam	https://onlinecourses.nptel.ac.in/noc21_ee74/preview
	Honor Specialization (VII Sem)	1	Microelectronics: Devices to Circuits	12	26-Jul-21	15-Oct-21	24-Oct-21	Dr Vikas Mahor	https://onlinecourses.nptel.ac.in/noc21_ee86/preview
		2	Data Science for Engineers	8	26-Jul-21	17-Sep-21	26-Sep-21	Dr Sandeep Sharma	https://onlinecourses.nptel.ac.in/noc21_cs69/preview
		3	Design of photovoltaic systems	12	26-Jul-21	15-Oct-21	24-Oct-21	Prof. Arpita Singha	https://onlinecourses.nptel.ac.in/noc21_ee62/preview
	Minor Specialization (VII Sem)	1	Microwave Engineering	12	26-Jul-21	15-Oct-21	24-Oct-21	Prof Santosh Sharma	https://onlinecourses.nptel.ac.in/noc21_ee82/preview
		2	Image Signal Processing	12	26-Jul-21	15-Oct-21	24-Oct-21	Dr Ashish Gupta	https://onlinecourses.nptel.ac.in/noc21_ee100/preview
		3	Control Engineering	12	26-Jul-21	15-Oct-21	24-Oct-21	Dr Rahul Dubey	https://onlinecourses.nptel.ac.in/noc21_ee67/preview
Electronics and Telecommunication Engineering	Department Elective Courses (VII SEM)	1	Digital Image Processing	12	26-Jul-21	15-Oct-21	23-Oct-21	Prof. Pooja Sahoo	https://onlinecourses.nptel.ac.in/noc21_ee78/preview
		2	Introduction to Wireless and Cellular Communications	12	26-Jul-21	15-Oct-21	24-Oct-21	Prof. Madhav Singh	https://onlinecourses.nptel.ac.in/noc21_ee66/preview
		3	Millimeter Wave Technology	8	26-Jul-21	17-Sep-21	26-Sep-21	Prof. D K Parsedia	https://onlinecourses.nptel.ac.in/noc21_ee76/preview
	Honor Specialization (V Sem)	1	Solid State Physics	8	23-Aug-21	15-Oct-21	23-Oct-21	Prof. Rishabh Shukla	https://onlinecourses.nptel.ac.in/noc21_ph21/preview
		2	Cloud Computing	8	23-Aug-21	15-Oct-21	23-Oct-21	Prof. Shambhu Kumar	https://onlinecourses.nptel.ac.in/noc21_cs62/preview
		3	Solar Photovoltaics Fundamentals, Technology and Applications	8	26-Jul-21	17-Sep-21	26-Sep-21	Prof. Deepak Batham	https://onlinecourses.nptel.ac.in/noc21_ph25/preview
	Minor Specialization (V Sem)	1	Semiconductor Devices and Circuits	12	26-Jul-21	15-Oct-21	23-Oct-21	Dr. Hemant Choubey	https://onlinecourses.nptel.ac.in/noc21_ee80/preview
		2	Digital Circuits	12	26-Jul-21	15-Oct-21	23-Oct-21	Dr Vandana Vikas Thakare	https://onlinecourses.nptel.ac.in/noc21_ee75/preview
		3	Analog Communication	12	26-Jul-21	15-Oct-21	23-Oct-21	Dr. Karuna Markam	https://onlinecourses.nptel.ac.in/noc21_ee74/preview
	Honor Specialization (VII Sem)	1	Microelectronics: Devices to Circuits	12	26-Jul-21	15-Oct-21	24-Oct-21	Dr Vikas Mahor	https://onlinecourses.nptel.ac.in/noc21_ee86/preview
		2	Data Science for Engineers	8	26-Jul-21	17-Sep-21	26-Sep-21	Dr Sandeep Sharma	https://onlinecourses.nptel.ac.in/noc21_cs69/preview
		3	Design of photovoltaic systems	12	26-Jul-21	15-Oct-21	24-Oct-21	Prof. Arpita Singha	https://onlinecourses.nptel.ac.in/noc21_ee62/preview
	Minor Specialization (VII Sem)	1	Microwave Engineering	12	26-Jul-21	15-Oct-21	24-Oct-21	Prof Santosh Sharma	https://onlinecourses.nptel.ac.in/noc21_ee82/preview
		2	Image Signal Processing	12	26-Jul-21	15-Oct-21	24-Oct-21	Dr Ashish Gupta	https://onlinecourses.nptel.ac.in/noc21_ee100/preview
		3	Control Engineering	12	26-Jul-21	15-Oct-21	24-Oct-21	Dr Rahul Dubey	https://onlinecourses.nptel.ac.in/noc21_ee67/preview
CSE Engineering	Department Elective Courses (VII SEM)	1	Cloud Computing	8	23-Aug-21	15-Oct-21	23-Oct-21	Prof. Aishwarya	https://onlinecourses.nptel.ac.in/noc21_cs62/preview
		2	Deep learning - IITRopar	12	26-Jul-21	15-Oct-21	23-Oct-21	Prof. lav Upadhyay	https://onlinecourses.nptel.ac.in/noc21_cs76/preview
		3	Software Testing	12	26-Jul-21	15-Oct-21	24-Oct-21	Prof. Pooja Agrawal, Prof. Ankita Sengar	https://onlinecourses.nptel.ac.in/noc21_cs73/preview
	Honor Specialization (V Sem)	1	The Joy of Computing using Python	12	26-Jul-21	15-Oct-21	23-Oct-21	Prof. Arun Kumar	https://onlinecourses.nptel.ac.in/noc21_cs75/preview
		2	Advanced computer architecture	12	26-Jul-21	15-Oct-21	23-Oct-21	Prof. Anjula Mahto	https://onlinecourses.nptel.ac.in/noc21_cs95/preview
		3	Cloud computing	8	23-Aug-21	15-Oct-21	23-Oct-21	Prof. Aishwarya	https://onlinecourses.nptel.ac.in/noc21_cs62/preview
	Minor Specialization (V Sem)	1	Programming in C++	8	26-Jul-21	17-Sep-21	26-Sep-21	Prof. Ashishikha Singh	https://onlinecourses.nptel.ac.in/noc21_cs55/preview
		2	Programming, Data Structures and Algorithms in Python	8	26-Jul-21	17-Sep-21	26-Sep-21	Prof. Mir Shahnawaz	https://onlinecourses.nptel.ac.in/noc21_cs67/preview
		3	Introduction to Operating Systems	8	26-Jul-21	17-Sep-21	26-Sep-21	Dr. Rajni Ranjan Singh	https://onlinecourses.nptel.ac.in/noc21_cs72/preview
	Honor Specialization (VII Sem)	1	Cloud computing	8	23-Aug-21	15-Oct-21	23-Oct-21	Prof. Aishwarya	https://onlinecourses.nptel.ac.in/noc21_cs62/preview
		2	Deep Learning for Computer Vision	12	26-Jul-21	15-Oct-21	24-Oct-21	Prof. lav Upadhyay	https://onlinecourses.nptel.ac.in/noc21_cs93/preview
		3	Parameterized Algorithms	12	26-Jul-21	15-Oct-21	23-Oct-21	Prof. Jaimala Jha, Prof. Kratika Sharma	https://onlinecourses.nptel.ac.in/noc21_cs92/preview
	Minor Specialization (VII Sem)	1	Big Data Computing	8	23-Aug-21	15-Oct-21	24-Oct-21	Prof. Khushboo Agarwal	https://onlinecourses.nptel.ac.in/noc21_cs86/preview
		2	Computer Graphics	8	26-Jul-21	17-Sep-21	26-Sep-21	Dr. Manish Dixit	https://onlinecourses.nptel.ac.in/noc21_cs97/preview
		3	Theory of Computation	8	26-Jul-21	17-Sep-21	26-Sep-21	Dr. Manish Dixit	https://onlinecourses.nptel.ac.in/noc21_cs83/preview
Department Elective Courses	1	Software Testing	12	26-Jul-21	15-Oct-21	24-Oct-21	Prof. Ankita Sengar	https://onlinecourses.nptel.ac.in/noc21_cs73/preview	
	2	Social Networks	12 Weeks	26 Jul 2021	15 Oct 2021	23 Oct 2021	Dr. Sanjiv Sharma	https://onlinecourses.nptel.ac.in/noc21_cs74/preview	
	3	Scalable Data Science	8 Weeks	26 Jul 2021	17 Sep 2021	26 Sep 2021	Punit Kumar Johari	https://onlinecourses.nptel.ac.in/noc21_cs59/preview	
Honor Specialization (V Sem)	1	Reinforcement Learning	12 Weeks	26 Jul 2021	15 Oct 2021	24 Oct 2021	Neha Bardwaj	https://onlinecourses.nptel.ac.in/noc21_cs71/preview	
	2	Introduction to Internet of Things	12 Weeks	26 Jul 2021	15 Oct 2021	24 Oct 2021	Vikas Sejwar	https://onlinecourses.nptel.ac.in/noc21_cs63/preview	
	3	Data Science for Engineers	8 Weeks	26 Jul 2021	17 Sep 2021	26 Sep 2021	Abhishek Dixit	https://onlinecourses.nptel.ac.in/noc21_cs69/preview	
Minor Specialization (V Sem)	1	The Joy of Computing using Python	12 Weeks	26 Jul 2021	15 Oct 2021	23 Oct 2021	Vishwas Srivastava	https://onlinecourses.nptel.ac.in/noc21_cs75/preview	
	2	Domain: Programming							
	3	Programming, Data Structures and Algorithms Using Python	8 Weeks	26 Jul 2021	17 Sep 2021	26 Sep 2021	Dr. Saumil Maheshwari	https://onlinecourses.nptel.ac.in/noc21_cs67/preview	

Information Technology	2	Programming in Java	12 Weeks	26 Jul 2021	15 Oct 2021	23 Oct 2021	Vishwas Srivastava	https://onlinecourses.nptel.ac.in/noc21_cs56/preview	
		Domain: Systems							
	Honor Specialization (VII Sem)	1	Operating System Fundamentals	12 Weeks	26 Jul 2021	15 Oct 2021	24 Oct 2021	Abhilash Sonkar	https://onlinecourses.nptel.ac.in/noc21_cs88/preview
		2	Introduction to Internet of Things	12 Weeks	26 Jul 2021	15 Oct 2021	24 Oct 2021	Vikas Sejwar	https://onlinecourses.nptel.ac.in/noc21_cs63/preview
		1	Computer Vision	12 Weeks	26 Jul 2021	15 Oct 2021	23 Oct 2021	Rajeev Kumar Singh	https://onlinecourses.nptel.ac.in/noc21_cs101/preview
	Minor Specialization (VII Sem)	2	Big Data Computing	8 Weeks	23 Aug 2021	15 Oct 2021	24 Oct 2021	Dr. Sanjiv Sharma	https://onlinecourses.nptel.ac.in/noc21_cs86/preview
		3	Distributed Systems	8 Weeks	26 Jul 2021	17 Sep 2021	26 Sep 2021	Rajeev Kumar Singh	https://onlinecourses.nptel.ac.in/noc21_cs87/preview
		1	Introduction to Machine Learning	12 Weeks	26 Jul 2021	15 Oct 2021	24 Oct 2021	Dr. Saamil Maheshwari	https://onlinecourses.nptel.ac.in/noc21_cs70/preview
	Department Elective Courses (VII SEM)	2	Cloud Computing	8 Weeks	23 Aug 2021	15 Oct 2021	23 Oct 2021	Abhilash Sonkar	https://onlinecourses.nptel.ac.in/noc21_cs62/preview
3		Big Data Computing	8 Weeks	23 Aug 2021	15 Oct 2021	24 Oct 2021	Dr. Sanjiv Sharma	https://onlinecourses.nptel.ac.in/noc21_cs86/preview	
1		(130751) Introduction to Smart Grid	8	26-Jul-21	17-Sep-21	26-Sep-21	Dr. Himmat Singh Prof. Rahul Sagwal	https://onlinecourses.nptel.ac.in/noc21_ee68/preview	
Honor Specialization (V Sem)	2	(130752) Advances in UHV Transmission and Distribution	8	26-Jul-21	17-Sep-21	26-Sep-21	Prof. Vishal Chaudhary Prof. Bhavna Rathore	https://onlinecourses.nptel.ac.in/noc21_ee63/preview	
	1	Design for internet of things	8	26-Jul-21	17-Sep-21	26-Sep-21	Prof. Vishal Chaudhary Prof. Nipun Gupta	https://onlinecourses.nptel.ac.in/noc21_ee85/preview	
	2	Introduction to internet of things	12	26-Jul-21	15-Oct-21	24-Oct-21	Dr. Vikram Prof. Bhavna Rathore	https://onlinecourses.nptel.ac.in/noc21_cs63/preview	
	3	Introduction to Industry 4.0 and Industrial Internet of Things	12	26-Jul-21	15-Oct-21	23-Oct-21	Prof. Praveen Bansal Prof. Manoj Kumar	https://onlinecourses.nptel.ac.in/noc21_cs66/preview	
Minor Specilization (V Sem)	4	DC Microgrid and Control System	8	26-Jul-21	17-Sep-21	26-Sep-21	Dr. Shishir Dixit Prof. Rahul Sagwal	https://onlinecourses.nptel.ac.in/noc21_ee96/preview	
	1	Basic Electrical Circuits	12	26-Jul-21	15-Oct-21	23-Oct-21	Prof. R. NarvejProf. Manoj Kumar	https://onlinecourses.nptel.ac.in/noc21_ee99/preview	
	2	Control Engineering	12	26-Jul-21	15-Oct-21	24-Oct-21	Prof. Ashis PatraDr. Vikram	https://onlinecourses.nptel.ac.in/noc21_ee67/preview	
	3	Electrical Measurement and Electronic Instruments	12	26-Jul-21	15-Oct-21	23-Oct-21	Prof. R. NarvejProf. Manoj Kumar	https://onlinecourses.nptel.ac.in/noc21_ee107/preview	
	4	Electrical Machines - I	12	26-Jul-21	15-Oct-21	24-Oct-21	Prof. Praveen BansalProf. Nipun Gupta	https://onlinecourses.nptel.ac.in/noc21_ee71/preview	
Honor Specialization (VII Sem)	5	Design for Internet of Things	8	26-Jul-21	17-Sep-21	26-Sep-21	Vishal ChaudharyProf. Nipun Gupta	https://onlinecourses.nptel.ac.in/noc21_ee85/preview	
	1	DC Microgrid and Control System	8	26-Jul-21	17-Sep-21	26-Sep-21	Dr. Shishir Dixit Prof. Rahul Sagwal	https://onlinecourses.nptel.ac.in/noc21_ee96/preview	
	2	Design for internet of things	8	26-Jul-21	17-Sep-21	26-Sep-21	Prof. Vishal Chaudhary Prof. Nipun Gupta	https://onlinecourses.nptel.ac.in/noc21_ee85/preview	
	3	Introduction to internet of things	12	26-Jul-21	15-Oct-21	24-Oct-21	Dr. Vikram Prof. Bhavna Rathore	https://onlinecourses.nptel.ac.in/noc21_cs63/preview	
Minor Specialization (VII Sem)	4	Introduction to Industry 4.0 and Industrial Internet of Things	12	26-Jul-21	15-Oct-21	23-Oct-21	Prof. Praveen Bansal Prof. Manoj Kumar	https://onlinecourses.nptel.ac.in/noc21_cs66/preview	
	1	Control Engineering	12	26-Jul-21	15-Oct-21	24-Oct-21	Prof. Ashis PatraDr. Vikram	https://onlinecourses.nptel.ac.in/noc21_ee67/preview	
	2	Electrical Measurement and Electronic Instruments	12	26-Jul-21	15-Oct-21	23-Oct-21	Prof. R. NarvejProf. Manoj Kumar	https://onlinecourses.nptel.ac.in/noc21_ee107/preview	
	3	Electrical Machines - I	12	26-Jul-21	15-Oct-21	24-Oct-21	Prof. Praveen BansalProf. Nipun Gupta	https://onlinecourses.nptel.ac.in/noc21_ee71/preview	
Civil Engineering	Department Elective Courses (VII SEM)	4	Design for Internet of Things	8	26-Jul-21	17-Sep-21	Vishal ChaudharyProf. Nipun Gupta	https://onlinecourses.nptel.ac.in/noc21_ee85/preview	
		1	Wastewater Treatment & Recycling	12 Weeks	October 15, 2021	October 23, 2021	August 2, 2021	Dr. Prachi Singh	https://onlinecourses.nptel.ac.in/noc21_ce49/preview
		2	Introduction to Multimodal Urban Transportation Systems	12 Weeks	July 26, 2021	October 15, 2021	October 23, 2021	Dr. Jayvant Choudhary	https://onlinecourses.nptel.ac.in/noc21_ce72/preview
	Honor Specialization (V Sem)	3	Infrastructure Planning Management	12 Weeks	July 26, 2021	October 15, 2021	October 24, 2021	Prof. G. Bhadoriya	https://onlinecourses.nptel.ac.in/noc21_mg81/preview
		1	River Engineering	12Weeks	July 26, 2021	September 17, 2021	September 26, 2021	Prof. Renuka Darshyamkar	https://onlinecourses.nptel.ac.in/noc21_ce70/preview
		2	Introduction to Multimodal Urban Transportation Systems	12Weeks	July 26, 2021	October 15, 2021	October 23, 2021	Dr. Jayvant Choudhary	https://onlinecourses.nptel.ac.in/noc21_ce72/preview
		3	Integrated Waste Mangement for Smart City	12Weeks	July 26, 2021	October 15, 2021	October 24, 2021	Prof. Aditya Agarwal	https://onlinecourses.nptel.ac.in/noc21_ce46/preview
	Minor Specilization (V Sem)	4	Matrix Methods of Structural Analysis	12Weeks	July 26, 2021	September 17, 2021	September 26, 2021	Dr. Sanjay Tiwari	https://onlinecourses.nptel.ac.in/noc21_ce44/preview
		1	Building Material & Composites	12Weeks	July 26, 2021	September 17, 2021	September 26, 2021	Dr. Chayan Gupta	https://onlinecourses.nptel.ac.in/noc21_ar11/preview
2		Municipal Solid Waste Management	12Weeks	July 26, 2021	October 15, 2021	October 24, 2021	Prof. Aditya Agarwal	https://onlinecourses.nptel.ac.in/noc21_ce69/preview	
Honor Specialization (VII Sem)	3	Strength of Materials	12Weeks	July 26, 2021	October 15, 2021	October 24, 2021	Dr. Hemant Shrivastava	https://onlinecourses.nptel.ac.in/noc21_ce38/preview	
	1	Theory of Elasticity	12Weeks	July 26, 2021	October 15, 2021	October 23, 2021	Dr. Hemant Shrivastava	https://onlinecourses.nptel.ac.in/noc21_ce45/preview	
	2	Earthquake Resistant Design of Foundation	12Weeks	July 26, 2021	September 17, 2021	September 26, 2021	Dr. S.K. Jain	https://onlinecourses.nptel.ac.in/noc21_ce73/preview	
Minor Specialization (VII Sem)	3	Sustainable Transportation Systems	12Weeks	July 26, 2021	October 15, 2021	October 23, 2021	Prof. Shashank Sharma	https://onlinecourses.nptel.ac.in/noc21_ce74/preview	
	1	Project Management for Managers	12Weeks	July 26, 2021	October 15, 2021	October 24, 2021	Prof. Archana Tiwari	https://onlinecourses.nptel.ac.in/noc21_mg66/preview	
	2	Integrated Waste Mangement for Smart City	12Weeks	July 26, 2021	October 15, 2021	October 24, 2021	Prof. Aditya Agarwal	https://onlinecourses.nptel.ac.in/noc21_ce46/preview	
Department Elective Courses (VII SEM)	1	Numerical Methods for Engineers	12 Weeks	July 20, 2020	October 9, 2020	Oct 17, 2020	Prof. Anish P. Jacob	https://onlinecourses.nptel.ac.in/noc21_ce45/preview	
	2	Energy conservation and waste heat recovery	12 Weeks	July 26, 2021	October 15, 2021	Oct 23, 2021	Dr. Shourabh Singh Raghuvanshi	https://onlinecourses.nptel.ac.in/noc21_mm23/preview	
	3	Principles and Practices of Process Equipment and Plant Design	12 Weeks	July 26, 2021	October 15, 2021	Oct 24, 2021	Prof. Swati Gupta	https://onlinecourses.nptel.ac.in/noc21_ch52/preview	
Honor Specialization (V Sem)	1	Technologies For Clean And Renewable Energy Production	8 Week	26 Jul 2021	17 Sep 2021	26 Sep 2021	Prof. Sulochana Nagar	https://onlinecourses.nptel.ac.in/noc21_ch42/preview	
	2	Chemical Process Intensification	12 Week	26 Jul 2021	15 Oct 2021	23 Oct 2021	Dr. Shourabh Singh Raghuvanshi	https://onlinecourses.nptel.ac.in/noc21_ch40/preview	
	3	Flow Through Porous Media	12 Week	26 Jul 2021	15 Oct 2021	23 Oct 2021	Prof. Swati Gupta	https://onlinecourses.nptel.ac.in/noc21_ch51/preview	
Minor	1	Heat Transfer	12 Week	26 Jul 2021	15 Oct 2021	23 Oct 2021	Prof. Sulochana Nagar	https://onlinecourses.nptel.ac.in/noc21_ch31/preview	
Chemical									

Engineering Engineering	Specialization (V Sem)	2	Chemical Reaction Engineering-I	12 Week	26 Jul 2021	15 Oct 2021	24 Oct 2021	Prof. Swati Gupta	https://onlinecourses.nptel.ac.in/noc21_ch33/preview	
		3	Mechanical Unit Operations	12 Week	26 Jul 2021	15 Oct 2021	24 Oct 2021	Dr. A.N. Sarve	https://onlinecourses.nptel.ac.in/noc21_ch34/preview	
	Specialization (VII Sem)	1	Colloids and Surfaces	8 Week	26 Jul 2021	17 Sep 2021	26 Sep 2021	Dr. Suneeta Kumari	https://onlinecourses.nptel.ac.in/noc21_ch48/preview	
		2	Trace and ultra-trace analysis of metals using atomic absorption spectrometry	8 Week	26 Jul 2021	17 Sep 2021	26 Sep 2021	Prof. Anish P. Jacob	https://onlinecourses.nptel.ac.in/noc21_ch47/preview	
	Minor Specialization (VII Sem)	3	Heat Exchangers: Fundamentals and Design Analysis	12 Week	26 Jul 2021	15 Oct 2021	23 Oct 2021	Dr. R.K.Dubey	https://onlinecourses.nptel.ac.in/noc21_me74/preview	
		1	Fluidization Engineering	12 Week	July 26, 2021	October 15, 2021	October 23, 2021	Dr. A.N.Sarve	https://onlinecourses.nptel.ac.in/noc21_ch41/preview	
2		Polymers: concepts, properties, uses and sustainability	12 Week	July 26, 2021	15 Oct 2021	24 Oct 2021	Dr. Pratap Singh	https://onlinecourses.nptel.ac.in/noc21_ch49/preview		
Mechanical Engineering	Honor Specialization (V Sem)	3	Transport Phenomena of Non-Newtonian Fluids	12 Week	26 Jul 2021	15 Oct 2021	24 Oct 2021	Dr. R.K.Dubey	https://onlinecourses.nptel.ac.in/noc21_ch46/preview	
		1	Principle of Hydraulic Machines and System Design	12 Week	July 26, 2021	15 Oct 2021	October 24, 2021	Dr Amrat Dhamneya	https://onlinecourses.nptel.ac.in/noc21_me79/preview	
		2	System Design for Sustainability	12 Weeks	July 26, 2021	15 Oct 2021	October 23, 2021	Dr Harbhajan Singh	https://onlinecourses.nptel.ac.in/noc21_de09/preview	
	Minor Specialization	3	Manufacturing Systems Technology I & II	12 Weeks	July 26, 2021	15 Oct 2021	October 23, 2021	Prof Kaustubh Khot	https://onlinecourses.nptel.ac.in/noc21_me72/preview	
		1	Basics of Materials Engineering	12 Weeks	July 26, 2021	15 Oct 2021	October 23, 2021	Prof S.C Pal	https://onlinecourses.nptel.ac.in/noc21_me113/preview	
		2	Fluid mechanics	12 Weeks	July 26, 2021	15 Oct 2021	October 23, 2021	Dr Ravi Kant Ranjan	https://onlinecourses.nptel.ac.in/noc21_ce56/preview	
	Specialization (VII Sem)	1	Fundamentals Of Artificial Intelligence	12 Weeks	July 26, 2021	15 Oct 2021	October 23, 2021	Dr Neeraj Mishra	https://onlinecourses.nptel.ac.in/noc21_qe20/preview	
		2	Rapid Manufacturing	12 Weeks	July 26, 2021	15 Oct 2021	October 23, 2021	Prof Vaibhav Gupta	https://onlinecourses.nptel.ac.in/noc21_me104/preview	
		3	Heat Exchangers: Fundamentals and Design Analysis	12 Weeks	July 26, 2021	15 Oct 2021	October 23, 2021	Prof Dhruv Maggu	https://onlinecourses.nptel.ac.in/noc21_me74/preview	
	Minor Specialization (VII Sem)	1	Engineering Metrology	12 Weeks	July 26, 2021	15 Oct 2021	October 24, 2021	Prof Gyanesh Sharan	https://onlinecourses.nptel.ac.in/noc21_me105/preview	
		2	Principle of Hydraulic Machines and System Design	12 Week	July 26, 2021	15 Oct 2021	October 24, 2021	Prof Puneet Nema	https://onlinecourses.nptel.ac.in/noc21_me79/preview	
	Department Elective Courses	1	Foundation of Computational Fluid Dynamics	8 Weeks	July 26, 2021	17 Sep 2021	September 26, 2021	Prof.Utkarsh Srivastava	https://onlinecourses.nptel.ac.in/noc21_me77/preview	
		2	Introduction To Composites	12 Weeks	July 26, 2021	15 Oct 2021	October 24, 2021	Dr Surendra Chaurasiya	https://onlinecourses.nptel.ac.in/noc21_me110/preview	
		3	Advanced Machining Processes	8 Weeks	August 23, 2021	15 Oct 2021	October 24, 2021	Dr Gavendra Norkey	https://onlinecourses.nptel.ac.in/noc21_me89/preview	
	Automobile Engineering	Honor Specialization (V Sem)	1	Principle of Hydraulic Machines and System Design	12 Week	July 26, 2021	15 Oct 2021	October 24, 2021	Dr Amrat Dhamneya	https://onlinecourses.nptel.ac.in/noc21_me79/preview
2			System Design for Sustainability	12 Weeks	July 26, 2021	15 Oct 2021	October 23, 2021	Dr Harbhajan Singh	https://onlinecourses.nptel.ac.in/noc21_de09/preview	
3			Manufacturing Systems Technology I & II	12 Weeks	July 26, 2021	15 Oct 2021	October 23, 2021	Prof Kaustubh Khot	https://onlinecourses.nptel.ac.in/noc21_me72/preview	
Minor Specialization		1	Basics of Materials Engineering	12 Weeks	July 26, 2021	15 Oct 2021	October 23, 2021	Prof S.C Pal	https://onlinecourses.nptel.ac.in/noc21_me113/preview	
		2	Fluid mechanics	12 Weeks	July 26, 2021	15 Oct 2021	October 23, 2021	Dr Ravi Kant Ranjan	https://onlinecourses.nptel.ac.in/noc21_ce56/preview	
		1	Fundamentals Of Artificial Intelligence	12 Weeks	July 26, 2021	15 Oct 2021	October 23, 2021	Dr Neeraj Mishra	https://onlinecourses.nptel.ac.in/noc21_qe20/preview	
Specialization (VII Sem)		2	Rapid Manufacturing	12 Weeks	July 26, 2021	15 Oct 2021	October 23, 2021	Prof Vaibhav Gupta	https://onlinecourses.nptel.ac.in/noc21_me104/preview	
		3	Heat Exchangers: Fundamentals and Design Analysis	12 Weeks	July 26, 2021	15 Oct 2021	October 23, 2021	Prof Dhruv Maggu	https://onlinecourses.nptel.ac.in/noc21_me74/preview	
		1	Engineering Metrology	12 Weeks	July 26, 2021	15 Oct 2021	October 24, 2021	Prof Gyanesh Sharan	https://onlinecourses.nptel.ac.in/noc21_me105/preview	
Minor Specialization (VII Sem)		2	Principle of Hydraulic Machines and System Design	12 Week	July 26, 2021	15 Oct 2021	October 24, 2021	Prof Puneet Nema	https://onlinecourses.nptel.ac.in/noc21_me79/preview	
		1	Farm Machinery	12 Weeks	July 26, 2021	15 Oct 2021	October 24, 2021	Dr Dharmendra Jain	https://onlinecourses.nptel.ac.in/noc21_aq06/preview	
		2	Introduction to Mechanical Vibration	8 Weeks	July 26, 2021	17 Sep 2021	September 26, 2021	Dr Nitin Upadhyay	https://onlinecourses.nptel.ac.in/noc21_me80/preview	
Department Elective Courses		3	Introduction To Composites	12 Weeks	July 26, 2021	15 Oct 2021	October 24, 2021	Dr Dinesh Rathore	https://onlinecourses.nptel.ac.in/noc21_me110/preview	
		Seminar/Self Study Courses (V Sem)	1	Culturally Responsive Built Environments	8 Weeks	August 23, 2021	15 Oct 2021	October 24, 2021	Ar. Ankit Kumar	https://onlinecourses.nptel.ac.in/noc21_ar07/preview
			2	Role of Craft and Technology in Interior – Architecture	8 Weeks	26 Jul 2021	17 Sep 2021	26 Sep 2021	Ar .Anmol Gupta	https://onlinecourses.nptel.ac.in/noc21_ar09/preview
3	Visual Communication Design for Digital Media		4 Weeks	26 Jul 2021	20 Aug 2021	26 Sep 2021	Ar. Harshita Mishra	https://onlinecourses.nptel.ac.in/noc21_ar17/preview		
4	Design Thinking - A Primer		4 Weeks	26 Jul 2021	20 Aug 2021	26 Sep 2021	Ar. Ankit Kumar	https://onlinecourses.nptel.ac.in/noc21_ar53/preview		
ELECTIVE V (VII Sem)	1	Urban Landuse and transportation planning	12 Weeks	July 26, 2021	15 Oct 2021	October 23, 2021	Ar. Harshita Mishra	https://onlinecourses.nptel.ac.in/noc21_ar14/preview		
	2	Urban governance and Development Management (UGDM)	12 Weeks	July 26, 2021	15 Oct 2021	October 23, 2021	Ar Richa Mishra	https://onlinecourses.nptel.ac.in/noc21_ar10/preview		
	3	Glass in buildings : Design and applications	12 Weeks	July 26, 2021	15 Oct 2021	October 23, 2021	Ar. Shweta Singh	https://onlinecourses.nptel.ac.in/noc21_ce52/preview		
	1	Glass in buildings : Design and applications	12 weeks	July 26, 2021	15 Oct 2021	October 23, 2021	Ar. Shweta Singh	https://onlinecourses.nptel.ac.in/noc21_ce52/preview		
(IX sem)	2	Introduction to Multimodal Urban Transportation Systems (M)	12 weeks	26 Jul 2021	15 Oct 2021	23 Oct 2021	Dr Anjali S Patil	https://onlinecourses.nptel.ac.in/noc21_ce72/preview		
	3	Photojournalism	15 weeks	02 Aug 2021	10 Nov 2021	-	Dr Sanyam Bahga	https://onlinecourses.nptel.ac.in/noc21_ce30/preview		
	4	Film Appreciation	8 weeks	26 Jul 2021	17 Sep 2021	26 Sep 2021	Ar Geetika Jha	https://onlinecourses.nptel.ac.in/noc21_bs72/preview		
	1	Computer Aided Drug Design	8 weeks	July 26, 2021	#####	September 26, 2021	Dr. Sunita Sharma	https://onlinecourses.nptel.ac.in/noc21_bt29/preview		
DEPARMENT ELECTIVE IV (VII Sem)	2	Drug Delivery: Principles and Engineering	12 weeks	July 26, 2021	October 15, 2021	October 24, 2021	Dr. Sunita Sharma	https://onlinecourses.nptel.ac.in/noc21_bt37/preview		
	Honors	1	Introduction to Proteogenomics	12 weeks	July 26, 2021	October 15, 2021	October 24, 2021	Dr. Sunita Sharma	https://onlinecourses.nptel.ac.in/noc21_bt25/preview	
		2	Introduction to Developmental Biology	12 weeks	July 26, 2021	October 15, 2021	October 24, 2021	Prof. Vishal Ranjan	https://onlinecourses.nptel.ac.in/noc21_bt43/preview	
3		Transport Phenomena in Biological Systems	12 weeks	July 26, 2021	October 15, 2021	October 23, 2021	Prof. Vishal Ranjan	https://onlinecourses.nptel.ac.in/noc21_bt40/preview		