



S.V. NATIONAL INSTITUTE OF TECHNOLOGY SURAT-395007.
Office of Dean (Academics)

**List of Elective offered by department for 1st year M. Tech. Students
Admitted in Autumn (Odd) Semester of Academic Year 2020-21**

Chemical Engineering Department

Sr. No.	Course Title	Course Code
Chemical Engineering		
Elective - 1		
1.	Process Intensification	CH730
2.	Polymer Engineering	CH710
Elective - 2		
3.	Nanotechnology	CH660
4.	Computational Fluid Dynamics	CH760
PG In-charge	Dr. Chetan M. Patel	Mail ID cmp@ched.svnit.ac.in

Civil Engineering Department

Sr. No.	Course Title	Course Code
M. Tech. (Environmental Engineering)		
1.	Environmental Ethics, Law and Policy	CE - 615
2.	Sustainable Waste Management Systems	CE - 619
PG In-charge	Dr. B. N. Tandel	Mail ID bnt@ced.svnit.ac.in
M. Tech. (Soil Mechanics & Foundation Engineering)		
1.	Measurement Techniques in Geotechnical Engineering	AM - 637
2.	Computer Application in Geotechnical Engineering	AM - 639
3.	Geo-synthetics and Reinforced Soil Structures	AM - 641
PG In-charge	Dr. Satyajit Patel	Mail ID spatel@amd.svnit.ac.in
M. Tech. (Water Resources Engineering)		
6.	Irrigation and Drainage Systems Engineering	CE - 671
7.	Flood Control and River Training Works	CE - 669
8.	Basics of Climate Change Studies	CE - 681
9.	Computational Hydraulics	CE - 679
PG In-charge	Dr. P. V. Timbadiya	Mail ID pvtimbadiya@ced.svnit.ac.in

M. Tech. (Transportation Engineering & Planning)			
10.	Airport Planning and Design	CE - 707	
11.	Intelligent Transport System	CE - 709	
PG In-charge	Dr. A. Dhamaniya	Mail ID	adhamaniya@ced.svnit.ac.in
M. Tech. (Urban Planning)			
12.	Geospatial Techniques	CE - 645	
PG In-charge	Dr. R. M. Tailor	Mail ID	ravin@ced.svnit.ac.in
M. Tech. (Construction Technology Management)			
13.	Formwork for Structure	CE - 724	
14.	Low Cost Construction	CE - 726	
15.	Maintenance and Rehabilitation	CE - 736	
16.	Research Analytical Methods	CE – 691	
PG In-charge	Dr. D. A. Patel	Mail ID	dap@ced.svnit.ac.in
M. Tech. (Structural Engineering)			
17.	Advanced Design of Steel Structures	AM – 609	
18.	Rehabilitation of concrete structures	AM – 613	
PG In-charge	Dr. A. K. Desai	Mail ID	akd@amd.svnit.ac.in

Computer Engineering Department

Sr. No.	Course Title	Course Code
M.Tech. (Computer Engineering)		
1.	Computer Vision and Image Processing	CO611
2.	Advanced Database Management System	CO619
PG In-charge	Shri R. P. Gohil	Mail ID rpg@coed.svnit.ac.in

Electrical Engineering Department

Sr. No.	Course Title	Course Code
M.Tech. (Power Electronics and Electrical Drives)		
1.	Power Quality Issues And Management	EL613
2.	Micro-Controller Based System Design	EL617
PG In-charge	Dr. Rakesh Maurya	Mail ID rmaurya@eed.svnit.ac.in
M.Tech. (Power Systems)		
3.	Micro-Controller Based System Design	EL629
4.	Digital Signal Processing	EL631
PG In-charge	Dr. V. Mahajan	Mail ID vmahajan@eed.svnit.ac.in
M.Tech. (Instrumentation and control)		
5.	Digital Signal Processing	ELIC1E01
6.	Optimal and Adaptive Control	ELIC1E04
PG In-charge	Dr. H. G. Patel	Mail ID hgp@eed.svnit.ac.in

Electronics Engineering Department

Sr. No.	Course Title	Course Code
M.Tech. (Communication Systems)		
1.	Information Theory & Coding	EC619
2.	Probability and Random Processes	EC629
3.	VLSI Technology	EC017
4.	Digital Satellite Communication	EC621
5.	Digital VLSI Design	EC609
6.	Embedded Systems	EC613
PG In-charge	Dr. (Mrs.) S. Gupta	Mail ID sgupta@eced.svnit.ac.in
M.Tech. (VLSI & Embedded System)		
1.	Information Theory & Coding	EC619
2.	Probability and Random Processes	EC629
3.	VLSI Technology	EC017
4.	RF Circuits & Systems	EC601
5.	Advanced DSP	EC605
PG In-charge	Dr. (Mrs.)R. N. Dhavse	Mail ID rsk@eced.svnit.ac.in

Mechanical Engineering Department

Sr. No.	Course Title	Course Code
M.Tech. (Mechanical Engineering)		
1.	Production Planning and control	ME651
PG In-charge	Dr. P. V. Bhale	Mail ID pvbhale@med.svnit.ac.in
M.Tech. (Turbomachines)		
2.	Gas Turbine Cycle & Jet Propulsion	ME611
PG In-charge	Dr. Beena Baloni	Mail ID pbr@med.svnit.ac.in
M.Tech. (Thermal System Design)		
3.	Analysis & Design of I. C. Engine	ME731
PG In-charge	Dr. H. B. Mehta	Mail ID hbm@med.svnit.ac.in
M.Tech. (CAD-CAM)		
4.	Industrial Robotics	ME770
PG In-charge	Dr. D. I. Lalwani	Mail ID dil@med.svnit.ac.in
M.Tech. (Manufacturing Engineering)		
5.	Rapid Prototyping & tooling	ME771
PG In-charge	Dr. H. K. Dave	Mail ID hkd@med.svnit.ac.in


8.9.2020

Dr. H. R. Jariwala
Asso. Dean (Academic)