

**MALAVIYA NATIONAL INSTITUTE OF TECHNOLOGY JAIPUR**  
ACADEMIC SECTION

List of Advance Elective courses to be run by various departments for B.Tech. Final Year Students during the Pre-Registration of Even Semester AY 2019-20

S No.	Department	Elective Type	Course Code	Course Name	Credits	Coordinator Name	Slot	Max Enroll
1	CHEMICAL ENGINEERING	Advance Elective	CHT404	Advanced Separation Processes	3	SATYENDRA PRASAD CHAURASIA	SLOT5	60
2	CHEMICAL ENGINEERING	Advance Elective	CHT408	Process Safety and Hazards	3	SUBBARAMAIAH V	SLOT5	60
3	CHEMICAL ENGINEERING	Advance Elective	CHT412	Advanced Process Control	3	RAJEEV KUMAR DOHARE	SLOT6	60
4	CHEMICAL ENGINEERING	Advance Elective	CHT414	Applied Statistics for Chemical Engineers	3	SONAL	SLOT6	60
5	CHEMICAL ENGINEERING	Advance Elective	CHT416	Catalytic Processes	3	MADHU AGARWAL	SLOT6	60
6	CIVIL ENGINEERING	Advance Elective	CET420	Introduction of Spatial Data Collection and Analysis	3	MAHESH KUMAR JAT	SLOT5	60
7	CIVIL ENGINEERING	Advance Elective	CET422	Structural Dynamics	3	S. D. BHARTI	SLOT5	60
8	CIVIL ENGINEERING	Advance Elective	CET424	Advanced Foundation Design	3	SURESH KUMAR TIWARI	SLOT6	60
9	CIVIL ENGINEERING	Advance Elective	CET425	Design of Steel Structural Systems	3	P V RAMANA	SLOT6	60
10	COMPUTER SCIENCE AND ENGINEERING	Advance Elective	CST440	Advanced Topics in Databases	4	DINESH GOPALANI	SLOT5	60
11	COMPUTER SCIENCE AND ENGINEERING	Advance Elective	CST450	Wireless Sensor Networks	4	MUSHTAQ AHMED	SLOT6	60
12	COMPUTER SCIENCE AND ENGINEERING	Advance Elective	CST452	Digital Image Analysis	4	SANTOSH KUMAR VIPPARTHI	SLOT6	60
13	COMPUTER SCIENCE AND ENGINEERING	Advance Elective	CST466	Selected Topics in Cryptography	4	MEENAKSHI TRIPATHI	SLOT5	60
14	ELECTRICAL ENGINEERING	Advance Elective	EET404	Advance Power Transmission	4	ANIL SWARNKAR	SLOT5	60
15	ELECTRICAL ENGINEERING	Advance Elective	EET406	Advance Power System Dynamics	4	MANOJ FOZDAR	SLOT5	60
16	ELECTRICAL ENGINEERING	Advance Elective	EET410	Advanced Control Systems	4	NEELI SATYANARAYANA	SLOT6	60
17	ELECTRICAL ENGINEERING	Advance Elective	EET412	Advances in Power Transmission & Distribution	4	KHALEEQR REHMAN NIAZI	SLOT6	60
18	ELECTRONICS AND COMMUNICATION ENGINEERING	Advance Elective	ECT411	Neural Networks	3	RAHUL KUMAR CHAURASIYA	SLOT7	60
19	ELECTRONICS AND COMMUNICATION ENGINEERING	Advance Elective	ECT626	Formal Verification of Digital Hardware and Embedd	3	AMIT MAHESH JOSHI	SLOT8	60
20	ELECTRONICS AND COMMUNICATION ENGINEERING	Advance Elective	ECT656	Adaptive Signal Processing	3	SATYASAI JAGANNATH NANDA	SLOT6	60
21	ELECTRONICS AND COMMUNICATION ENGINEERING	Advance Elective	ECT657	VLSI signal processing architectures	3	AMIT MAHESH JOSHI	SLOT5	60
22	ELECTRONICS AND COMMUNICATION ENGINEERING	Advance Elective	ECT662	Advanced Digital Signal and Image Processing	3	KAMALESH KUMAR SHARMA	SLOT5	60
23	ELECTRONICS AND COMMUNICATION ENGINEERING	Advance Elective	ECT666	Optical Networks	3	RAVI KUMAR MADDILA	SLOT7	60
24	ELECTRONICS AND COMMUNICATION ENGINEERING	Advance Elective	ECT672	Wireless and Mobile Adhoc Networking	3	R. P. YADAV	SLOT6	60
25	ELECTRONICS AND COMMUNICATION ENGINEERING	Advance Elective	ECT692	Computational Electromagnetics	3	RAJENDRA MITHARWAL	SLOT8	60
26	MECHANICAL ENGINEERING	Advance Elective	MET410	Fracture Mechanics	4	AMIT KUMAR SINGH	SLOT6	60

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27	MECHANICAL ENGINEERING	Advance Elective	MET422	Computational Fluid Dynamics	4	RAM DAYAL	SLOT5	60
28	MECHANICAL ENGINEERING	Advance Elective	MET427	Composite Material Manufacturing	4	PANKAJ KUMAR GUPTA	SLOT6	60
29	MECHANICAL ENGINEERING	Advance Elective	MET428	Six Sigma	4	GUNJAN SONI	SLOT5	60
30	METALLURGICAL AND MATERIALS ENGINEERING	Advance Elective	MTT402	Physical Metallurgy of Alloy Steels & Cast Irons	4	JYOTIRMAYA KAR	SLOT5	60
31	METALLURGICAL AND MATERIALS ENGINEERING	Advance Elective	MTT406	Physical Metallurgy of special Purpose Alloys	4	SREEKUMAR VADAKKE MADAM	SLOT5	60
32	METALLURGICAL AND MATERIALS ENGINEERING	Advance Elective	MTT408	Advances in Extraction of Al, Cu and Zn	4	KRISHNA KUMAR	SLOT6	60
33	METALLURGICAL AND MATERIALS ENGINEERING	Advance Elective	MTT412	Alloy Design	4	AJAYA KUMAR PRADHAN	SLOT6	60