

Proposed list of Electives for the coming Odd semester (2021 -2022 Odd Semester) –
ASE and ASAS

ASE

S5 CSE

Code	Course Title	CAP
	Professional Elective I*	75
19CSE331	Cryptography	75
19CSE431	Digital Image Processing	75
19CSE437	Deep Learning for Computer Vision	75
19CSE453	Natural Language Processing	75
19CSE445	Cloud Computing	75

S5 CSE AIE

Code	Course Title	
	Professional Elective 1* (No Cap)/Live-in Labs***	
19AIE432	Network and Wireless Security	
19AIE445	Application of Robotics	

S7 CSE

Code	Course Title	
	Elective IV (Cap 60)	
15CSE337	Cloud Computing and Services	60
15CSE358	Natural Language Processing	60
15CSE360	Parallel and Distributed Computing	60
15CSE380	Neural Networks and Deep Learning	60
15CSE350	Information Retrieval	60
	Elective V (Cap 60)	
15CSE340	Computer Vision	60
15CSE341	Cryptography	60
15CSE351	Information Security	60
15CSE366	Semantic Web	60
15CSE371	Wireless and Mobile Computing	60
	Project Based Elective (No Cap)	
15CSE376	Net Centric Programming	

S5 EAC			
Cat	Code	Subject	
ENGG		Professional Elective I*	
	15ECE321	Adaptive signal processing	50
	19ECE357	Pattern Recognition	50
	19ECE454	Image Processing	50
S5ECE(A& B)			
Cat	Code	Subject	
ENGG		Professional Elective I*	
	19ECE338	Solid State Devices	25
	19ECE357	Pattern Recognition	50
	15ECE321	Adaptive signal processing	50
	19ECE454	Image Processing	50
S7ECE(A&B)			
Cat	Code	Subject	
ENGG		Elective 11	
	15ECE344	Antenna Systems and Design	50
	15ECE356	Satellite Communication	50
	15MEC333	Financial Management	50
ENGG		Elective 111	
	15ECE359	Wireless Communication	50
	15ECE345	Cellular and Mobile Communication System	50
	15ECE371	VLSI Fabrication Technology[Cap 25]	25

S5EEE

ENGG		Professional Elective I*	-
	19EEE331	Smart Grid and IoT	-
	19EEE432	Vehicular Networks and Communication	-
ENGG		Professional Elective II*	-
	19EEE354	Introduction to Robotics	-
	19CSE362	Fundamentals of Soft Computing	

S7EEE

ENGG		Elective II*	
	15EEE330	Advanced Control Systems	
	15EEE353	Power Quality	
ENGG		Elective III*	
	15EEE333	Deregulated Power System	
	15EEE339	Electrical Safety	

S5ELC

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ENGG		Professional Elective I*	
	19EEE331	Smart Grid and IoT	
	19EEE432	Vehicular Networks and Communication	
ENGG		Professional Elective II*	
	19EEE354	Introduction to Robotics	
	19ECE331	Biomedical Instrumentation	

S3 ME A			
HUM		Free Elective I	
	18MAL101	Malayalam I	
	19ENG232	Insights into Life through Communication	30
	19GER232	Proficiency in German language(Lower)	28

S5 ME A			
HUM		Free Elective II**	
	19MEE342	Lean Manufacturing	25
	19MEE341	Engineering Economic Analysis	25
	19MEE347	Total Quality Management	25
	19HUM242	The Message of Bhagavad Gita	40
	19HUM230	Emotional Intelligence	40
	18MAL102	Malayalam II(TO S5ME (Only for those who opted 18MAL101 in S3))	
	19ENG232	Insights into Life through Communication	30

S7 ME A			
ENGG		Elective IV	
	15MEC256	Refrigeration and Air Conditioning	30
	15MEC261	Advanced Casting Technology	30
	15MEC232	Automotive Technology	30
	15MEC234	Design for Manufacture and Assembly	30

ENGG		Elective VI	
	15MEC401	Advanced Fluid Mechanics	
	15MEC246	Automotive Electronics	
	15MEC251	Fundamentals of Nuclear Engineering	

ASAS

Electives		Branch	Cap
18BUS345	Human Resource Management Concepts	S5 Bcom	35
18COM331	Investment Analysis and Portfolio Management	S5 Bcom	35
18CSA343	Data Mining	S5 BCA	35
18CSA338	Micro Processor Systems	S5 BCA	35
18BUS636	Supply Chain Management and Logistics	S3 MCOM	
18ELL232	Journalism and Mass Media (Elective B)	S5 INT MA ENG	
15ELL533	Indian Literature in Translation	S9 INT MA ENG	
15ELL538	Twentieth Century American Literature	S9 INT MA ENG	
Open Electives			
18OEL239	Essence of Spiritual Literature	S5 ASAS	40
18OEL238	Emotional Intelligence		40
18OEL273	The Message of Bhagavad Gita		40
18OEL274	Understanding Travel and Tourism		50
18OEL231	Advertising		50
18OEL241	Fundamentals of Network Administration	S5 BCA	
18OEL634	Consumer Protection Act	S3 MCOM	
15OEL657/18OEL657	Yoga for Personal Development	S3 M.Sc Che, Maths, Physics & MA Eng,	
Elective A			
18CHY334	Industrial Catalysis	S5 Int Che	15
18CHY333	Green Chemistry	S5 Int Che	15
18CHY335	Introduction to Food Chemistry	S5 Int Che	15
18CHY631	Applied Electrochemistry	S9 & S3 M.sc Chemistry	20
18CHY633	Chemistry of Biomolecules	S9 & S3 M.sc Chemistry	20
18CHY637	Medicinal Chemistry	S9 & S3 M.sc Chemistry	20
(Elective II)			
15PHY539	Nanophotonics	S9 Int M.Sc Phy	20
15PHY546	Thin Film Technology	S9 Int M.Sc Phy	20
18PHY638	Nanophotonics	S3 M.sc Physics	20
18PHY645	Thin Film Technology	S3 M.sc Physics	20
15MAT652	Elective III-(15MAT652 Random Process)	S3 M.sc maths	