

Details of Courses for Semester-I, 2018-19 (UG)

B.Tech Semester-I					
Course Code	Course Name	L-T-P-C	Offered By Discipline	Instructor	No. of Students
NS101	Mathematics-I	3-1-0-4	NS	SSL+MKP	300
NS102	Engineering Mechanics	2-1-2-4	NS	NRJ+NKJ	300
HS101	Effective Communication Skills	2-0-0-2	NS	MA	330
ES101	Fundamental of Electrical & Electronics Engg	3-0-2-5	ECE	TR+RP	300
ES102	Fundamentals of Computing(2L+2P)	2-0-2-4	CSE	AS+KKB	330
PR101	Project (Optional)	2	ME	TA+MZA	300

B.Des Semester-I					
Course Code	Course Name	L-T-P-C	Offered By Discipline	Instructor	No. of Students
DS103	Design Fundamentals 1 (2L+2P)	2-0-2-4	DS	VF	30
DS104	Design Drawing (1L+3P)	1-0-3-4	DS	SC	30
DS105	Science in Design (2L+2P)	2-0-2-4	DS	VF	30
ES102	Fundamentals of Computing (2L+2P)	2-0-2-4	CSE	AS+KKB	330
HS101	Effective Communication Skills	2-0-0-2	NS	MA	330

B.Tech Semester III					
Core Courses (3L, 4C)					
Course Code	Course Name	L-T-P-C	Offered By Discipline	Instructor	No. of Students
Natural Science NS5 (Elect), (3L+1T, 4C)					
NS205d	Applied Probability and Statistics	3-1-0-4	NS	BG	12
NS205f	Optimization	3-1-0-4	NS	NKM	60
NS205g	Modern Physics	3-1-0-4	NS	MKR	9
NS205h	Material Science	3-1-0-4	NS	YSK	14
NS205i	Culture and Science-a Comparison	3-1-0-4	NS	MA	190
ES4, (3L, 4C)					
ES204	Digital Electronics (3L)	3-0-0-4	ECE	BM+IAA	285
MN1, (2L+2P, 4C)					
MN201	Manufacturing Process (2L+2P)	2-0-2-4	ME	MZA+SA+SPS(Lab)	287
Professional Course I: (3L+2P)					
ME201	Kinematics and Dynamics of Machines	3-0-2-5	ME	VKG	95
EC201	Electronics Devices and Circuits (3L+2P)	3-0-2-5	ECE	PNK+DS+LAB(DPS+KKSP)	95
CS201	DBMS	3-0-2-5	CSE	PK	99
Professional Course II: (2L)					
EC202	Instrumentation and Measurement	2-0-0-2	ECE	SKJ+TK	92
ME202	IT Workshop (3P)	0-0-3-2	ME	AKS	94
CS202	OOPs with Java (1L+2P)	1-0-2-2	CSE	AG	99
Project (Optional), 2C					
PR201	Project (Optional)	2		VKG+HSN	

B.Des Semester-III					
Course Code	Course Name	L-T-P-C	Offered By Discipline	Instructor	No. of Students
DS211	Design Art and Aesthetics (2L+2P)	2-0-2-4	DS	VF	22
DS212	Studies in Form (2L+2P)	2-0-2-4	DS	VF	22
DS213	Design Thinking (2L+2P)	2-0-2-4	DS	SP	22
DS214	Industrial Design 1 (2L+2P)	2-0-2-4	DS	VF	22
DS215	Communication Design 1 (2L+2P)	2-0-2-4	DS	TS	22
DS216	Design Project 2 (6P)	0-0-6-4	DS	GUIDE	22

B.Tech Semester V					
Course Code	Course Name	L-T-P-C	Offered By Discipline	Instructor	No. of Students
DS302	Engineering Design (2L+ 4P)	2-0-4-5	DS	SP/VF	268
Professional Course VI: (3L, 4C)					
ME307	Manufacturing Technology	3-0-0-4	ME	CD	76
EC307	Fundamental of Electromagnetic Theory	3-0-0-4	ECE	DKV+BM	74
CS307	Computer Network	3-0-0-4	CSE	VKJ	97
Professional Course VII: (3L+1T,4C)					
ME308	Fluid Mechanics	3-1-0-4	ME	GD	77
EC308	Control Systems	3-1-0-4	ECE	PKP+IAA	72
CS308	Operating System	3-1-0-4	CSE	MKB	98
Professional Course VIII: (3L,4C)					
EC309	Principle of Communicatio	3-0-0-4	ECE	MSP+Atulk	74

ME309	Design of Mechanical Components	3-0-0-4	ME	SDP	77
CS309	Language Theory	3-0-0-4	CSE	SKM	104
Professional Elective-1 (2L,2C)					
EC310a	Computer Network	2-0-0-2	ECE	AtulK	71
EC310b	Digital System Design	2-0-0-2	ECE	VB+MDB	9
ME310a	Steam Turbine	2-0-0-2	ME	TS	76
CS310b	Parallel Computing	2-0-0-2	CSE	MKB	97
Professional Lab II (3P,2C)					
EC311L	Control Systems + Communication	0-0-3-2	ECE	KKSP	71
ME311L	FM&ST	0-0-3-2	ME	AKS	76
CS311L	Lab based Project 2	0-0-3-2	CSE	VKJ	97

B.Des Semester-V					
Course Code	Course Name	L-T-P-C	Offered By Discipline	Instructor	No. of Students
DS302	Engineering Design –Including Design and Fabrication Project (2	2-0-4-5	DS	SP/VF	268
DS323	Service Design (2L+2P)	2-0-2-4	DS	VF	24
DS324	Sustainable Design (2L+2P)	2-0-2-4	DS	VF	24
DS325a	Applied Ergonomics (Elective) or (2L+2P)	2-0-2-4	DS	PM	7
OR					
DS325b	Visual Ergonomics (Elective) (2L+2P)	2-0-2-4	DS	PM	17
DS326	Design Project 4 (6P)	0-0-6-4	DS	GUIDE	24

B.Tech Semester VII					
NPTL Course (According to Previous Data)					
Course Code	Course Name	Credit	Offered By Discipline	Instructor	No. of Students
PR401	Project Semester	16			
NPTEL	Professional Online Course I:	2			
NPTEL for ECE					
NP21a	Digital Control	2	ECE	PKP	35
NP36d	VLSI Fabrication	2	ECE	DPS	30
NP31a	Wireless Communications	2	ECE	AtulK	13
NP27b	Adaptive Signal Processing	2	ECE	AK	5
NPTEL for CSE					
NP01a	Internet Technology	2	CSE	AG	9
NP03a	Artificial Intelligence	2	CSE	AS	2
NP02a	Cryptography and Network Security	2	CSE	SKM	17
	Data Science for Engineers	2	CSE	KKB	3
	Algorithms	2	CSE	MKB	70
NPTEL for ME					
NP43a	Mechanics of Laminated composite structure	2	ME	SM	42
NP44a	Advanced manufacturing process for micro system fabrication	2	ME	HS	46

B.Des Semester-VII					
Course Code	Course Name	Credit	Offered By Discipline	Instructor	No. of Students
DS496	Design Seminar I	2	DS		22
DS498	Design Thesis II	16	DS	GUIDE	22