ELECTRICAL ENGINEERING (DD in Communications and Signal Processing)

COURSE CURRICULUM FOR THE NEW PROGRAMME (DD- CSP.) w.e.f. 2007 BATCH

Semester I

Course code	Course Name	Credit Structure			
		L	**T**	**P**	**C**
CS 101	Computer Programming & Utilization	**2**	**0**	**2**	**6**
EE 111	Introduction to Electrical Systems (DIC-I)	**3**	**0**	**0**	**6**
MA 105	Calculus	**3**	**1**	**0**	**8**
PH 103	Electricity and Magnetism	**2**	**1**	**0**	**6**
ME 113	Workshop Practice	**0**	**1**	**3**	**4**
PH 117	Physics Lab	**0**	**0**	**3**	**3**
NC 101#	National Cadet Corps (NCC)	**0**	**0**	**0**	**P/NP**
NO 101#	National Sports Organization (NSS)	**0**	**0**	**0**	**P/NP**
NS 101#	National Service Scheme (NSS)	**0**	**0**	**0**	**P/NP**
					33

Any one of these three P/NP courses

Semester – II

Course Code	Course Name	Credit Structure			
		L	**T**	**P**	**C**
CH 103	Chemistry	**2**	**1**	**0**	**6**
MA 106 And MA 108	Linear Algebra and Ordinary Differential Equations I	**3**	**1**	**0**	**8**
EE 112	Introduction to Electronics (DIC-II)	**3**	**0**	**0**	**6**
IC 102	Data Analysis and Interpretation	**2**	**1**	**0**	**6**
CH 117	Chemistry Lab.	**0**	**0**	**3**	**3**
ME 119	Engineering Graphics and Drawing	**0**	**1**	**3**	**5**
NC 102#	National Cadet Corps (NCC)	**0**	**0**	**0**	**P/NP**
NO 102#	National Sports Organization (NSS)	**0**	**0**	**0**	**P/NP**
NS 102#	National Service Scheme (NSS)	**0**	**0**	**0**	**P/NP**
					34

Any one of these three P/NP courses

ELECTRICAL ENGINEERING(DD in Communications and Signal Processing)

ELECTRICAL ENGINEERING(DD in Communications and Signal Processing)

COURSE CURRICULUM FOR THE NEW PROGRAMME (DD-CSP.) w.e.f. 2007 BATCH

Semester III						**Semester –IV**					
Course code	**Course Name**	**Credit Structure**				**Course Code**	**Course Name**	**Credit Structure**			
		L	**T**	**P**	**C**			**L**	**T**	**P**	**C**
MA 205 MA 207	Mathematics II (Complex Analysis + DE II)	**3** **3**	**1** **1**	**0** **0**	**4** **4**	EE 210	Signals and Systems	**2**	**1**	**0**	**6**
HS 101	Economics	**3**	**0**	**0**	**6**	EE 204	Analog Circuits	**2**	**1**	**0**	**6**
EE 225	Network Theory	**2**	**1**	**0**	**6**	EE 222	Electrical Machines and Power Electronics	**2**	**1**	**0**	**6**
EE 207	Electronic Devices	**2**	**1**	**0**	**6**	EE 224	Digital Systems	**2**	**1**	**0**	**6**
EE 236	Electronic Devices Lab	**0**	**0**	**3**	**3**	EE 230	Analog Lab	**0**	**0**	**3**	**3**
IC 211	Experimentation and Measurements Lab	**0**	**0.5**	**3**	**4**	EE 214	Digital Circuits Lab	**0**	**0**	**3**	**3**
ES 200 And HS 200	Environmental Studies: Science and Engg And Environmental Studies	**3** **3**	**0** **0**	**0** **0**	**3** **3**	EE 234	Machines Lab	**0**	**0**	**4**	**4**
							Open Elective - I	**3**	**0**	**0**	**6**
					39						**40**

Electrical Engineering(DD in Communications and Signal Processing)
COURSE CURRICULUM FOR THE NEW PROGRAMME (DD-CSP.) w.e.f. 2007 BATCH

Semester V						**Semester –VI**					
Course code	**Course Name**	**Credit Structure**				**Course Code**	**Course Name**	**Credit Structure**			
		L	**T**	**P**	**C**			**L**	**T**	**P**	**C**
EE 309	Microprocessors	**2**	**0**	**2**	**6**	EE 302	Control Systems	**2**	**1**	**0**	**6**
HS 301/ HS 303/ HS 305/ HS 307	Philosophy/ Psychology/ Literature/ Sociology	**3**	**0**	**0**	**6**	CS 303	Digital Signal Processing	**2**	**1**	**0**	**6**
EE 308	Communication Systems	**2**	**1**	**0**	**6**	EE 328	Digital Communications	**2**	**1**	**0**	**6**
EE 301	EM Waves	**2**	**1**	**0**	**6**	EE 334	Power Systems	**2**	**1**	**0**	**6**
EE 325	Probability and Random Processes	**2**	**1**	**0**	**6**	EE 340	Communications Lab	**0**	**0**	**3**	**3**
	Institute Elective – I	**3**	**0**	**0**	**6**	EE 324	Control Systems Lab	**0**	**0**	**3**	**3**
							Specialization Elective – I	**3**	**0**	**0**	**6**
						CS 399	Digital Signal Processing Lab	**0**	**0.5**	**3**	**4**
					36						**40**

ELECTRICAL ENGINEERING(DD in Communications and Signal Processing)
COURSE CURRICULUM FOR THE NEW PROGRAMME (DD-CSP.) w.e.f. 2007 BATCH

Semester VII

Course code	Course Name	Credit Structure			
		L	**T**	**P**	**C**
	Specialization Elective II	**3**	**0**	**0**	**6**
	Specialization Elective III	**3**	**0**	**0**	**6**
	Specialization Elective IV	**3**	**0**	**0**	**6**
	Specialization Elective V	**3**	**0**	**0**	**6**
	Specialization Elective VI	**3**	**0**	**0**	**6**
	Open Elective II	**3**	**0**	**0**	**6**
					36

Semester –VIII

Course Code	Course Name	Credit Structure			
		L	**T**	**P**	**C**
	Specialization Elective VII	**3**	**0**	**0**	**6**
	Specialization Elective VIII	**3**	**0**	**0**	**6**
	Specialization Elective IX	**3**	**0**	**0**	**6**
	Specialization Elective X	**3**	**0**	**0**	**6**
	Institute Elective II	**3**	**0**	**0**	**6**
	Supervised Research Exposition	**3**	**0**	**0**	**6**
					36

ELECTRICAL ENGINEERING

ELECTRICAL ENGINEERING

COURSE CURRICULUM FOR THE NEW PROGRAMME(DD-CSP.) w.e.f. 2007 BATCH

Semester IX						**Semester – X**					
Course code	**Course Name**	**Credit Structure**				**Course Code**	**Course Name**	**Credit Structure**			
		L	**T**	**P**	**C**			**L**	**T**	**P**	**C**
	Specialization Elective XI	**3**	**0**	**0**	**6**		Open Elective III	**3**	**0**	**0**	**6**
EE 593	Dual Degree Project Stage I				**36**	EE 594	Dual Degree Project Stage II				**36**
					42						**42**

ELECTRICAL ENGINEERING

Specialization Elective List For DD-Communications and Signal Processing

* EE602 Radar Systems
* EE605 Error Correcting Codes
* EE606 Fiber Optic Communications
* EE608 Adaptive Signal Processing
* EE609 Radiating Systems
* EE610 Image Processing
* EE611 Microwave Integrated Circuits
* EE612 Telematics
* EE614 Solid State Microwave Device and their Applications
* EE621 Markov Chains & Queuing Systems
* EE635 Applied Linear Algebra in Electrical Engineering
* EE636 Matrix Computations
* EE638 Estimation and Identification
* EE649 Finite Fields and their Applications
* EE659 A First Course Optimization
* EE669 VLSI Technology
* EE671 VLSI Design
* EE677 Foundation of VLSI CAD
* EE678 Wavelets
* EE679 Speech Processing
* EE702 Computer Vision
* EE703 Digital Message Transmission
* EE704 Artificial Neural Networks
* EE706 Communication Networks
* EE708 Information Theory and Coding
* EE710 Large Sparse Matrix Computations
* EE712 Embedded Systems Design
* EE714 Behavioral Theory of Systems
* EE718 Aids for the Motor and Sensory Disabled
* EE716 Advances in Communication Systems
* EE725 Computational Electromagnetics
* EE726 Advanced Information Theory and Coding
* EE740 Advanced Communication Networks
* EE764 Wireless and Mobile Communications
* EE720 Introduction to Number Theory and Cryptography