

Course Curriculum for Diploma Engineering

SEMESTER I		SEMESTER II	
Course Code	Course Title	Course Code	Course Title
DCE/DME/DEE/DECE-101	English & Communication Skills-I	DCE/DME/DEE/DECE-201	English & Communication Skills-II
DCE/DME/DEE/DECE-102	Applied Mathematics-I	DCE/DME/DEE/DECE-202	Applied Mathematics-II
DCE/DME/DEE/DECE-103	Applied Physics-I	DCE/DME/DEE/DECE-203	Applied Physics-II
DCE/DME/DEE-104	Applied Chemistry-I	DCE/DME/DEE-204	Applied Chemistry-II
DECE-104	Fundamentals of Electrical Engineering	DECE-204	Basic Electronics
DCE/DME/DEE/DECE-105	Engineering Drawing-I	DCE/DME-205	Applied Mechanics
		DEE-205	Basic Electrical Engineering
		DECE-205	Electronic Components & Materials
		DCE/DME/DEE-206	Engineering Drawing-II
		DECE-206	Computer Programming & Application
Lab Courses		Lab Courses	
DCE/DME/DEE/DECE-111	English & Communication Skills-I	DCE/DME/DEE/DECE-211	English & Communication Skills-I
DCE/DME/DEE/DECE-112	Applied Physics-I	DCE/DME/DEE/DECE-212	Applied Physics-II
DCE/DME/DEE-113	Applied Chemistry-I	DCE/DME/DEE-213	Applied Chemistry-II
DECE-113	Fundamentals of Electrical Engineering	DECE-213	Basic Electronics
DCE/DME/DEE/DECE-114	Basic Information Technology	DCE/DME-214	Applied Mechanics
DCE/DME/DEE/DECE-115	Engineering Drawing-I	DEE-214	Basic Electrical Engineering
DCE/DME/DEE/DECE-116	General Workshop Practice-I	DECE-214	Computer Programming & Application
		DCE/DME/DEE-215	Engineering Drawing-II
		DECE-215	Electronic Components & Materials
		DCE/DME/DEE/DECE-216	General Workshop Practice-II

Electrical Engineering

SEMESTER III		SEMESTER IV	
Course Code	Course Title	Course Code	Course Title
DERE-301	Analog Electronics-I	DERE-401	Electrical Machines-I
DERE-302	General Engineering	DERE-402	Analog Electronics-II
DERE-303	Non-Conventional Energy Sources	DERE-403	Solar and Wind Energy
DERE-304	Electrical Measurement and Instrumentation	DERE-404	Estimating and Costing in Electrical Engineering
DERE-305	Electrical and Electronics Engineering Materials	DERE-405	Computer Programming and Application
Lab Courses		Lab Courses	
DERE-311	Analog Electronics-I	DERE-411	Electrical Machines-I
DERE-312	General Engineering	DERE-412	Analog Electronics-II
DERE-313	Electrical Measurement and Instrumentation	DERE-413	Electrical Engineering Design and Drawing-II
DERE-314	Electrical Engineering Design and Drawing-I	DERE-414	Electrical and Electronics Workshop Practice-II
DERE-315	Electrical and Electronics Workshop Practice-I	DERE-415	Computer Programming and Application
SEMESTER V		SEMESTER VI	
DERE-501	Electrical Machines-II	DERE-601	Control of Electric Machines
DERE-502	Electrical Power-I	DERE-602	Installation and Maintenance of Electrical Equipments
DERE-503	Power Electronics	DERE-603	Electrical Power-II
DERE-504	Digital Electronics and Microprocessors	DERE-604	Energy Management
DERE-505	Utilization of Electric Energy	DERE-605	Entrepreneurship Development and Management
Lab Courses		Lab Courses	
DERE-511	Electrical Machines-II	DERE 611	Control of Electric Machines
DERE-512	Power Electronics	DERE-612	Electrical Power-II
DERE-513	Digital Electronics and Microprocessors	DERE-613	Major Project
DERE-514	Minor Project		
DERE-515	Micro-Controllers and PLC		

Civil Engineering

SEMESTER III		SEMESTER IV	
Course Code	Course Title	Course Code	Course Title
DCE-301	Fluid Mechanics	DCE-401	Concrete Technology
DCE-302	General Engineering	DCE-402	Water Supply and Waste Water Engineering
DCE-303	Surveying-I	DCE-403	Soil and Foundation Engineering
DCE-304	Construction Material	DCE-404	Surveying – II
DCE-305	Building Construction	DCE-405	Strength of Materials
Lab Courses		Lab Courses	
DCE-311	Fluid Mechanics	DCE-411	Concrete Technology
DCE-312	General Engineering	DCE-412	Water Supply and Waste Water Engineering
DCE-313	Surveying-I	DCE-413	Soil and Foundation Engineering
DCE-314	Construction Material	DCE-414	Surveying – II
DCE-315	Building Drawing	DCE-415	Structural Mechanics
		DCE-416	Public Health Engineering Drawing
SEMESTER V		SEMESTER VI	
DCE-501	RCC Design and Drawing	DCE-601	Steel and Timber Structures Design and Drawing
DCE-502	Highway Engineering	DCE-602	Earthquake Resistant Building Construction
DCE-503	Railways, Bridges and Tunnels	DCE-603	Construction Management
DCE-504	Irrigation Engineering and Drawing	DCE-604	Rural Construction Technology
DCE-505	Quantity Surveying and Valuation	DCE-605	Entrepreneurship Development and Management
Lab Courses		Lab Courses	
DCE-511	RCC Design and Drawing	DCE 611	Steel and Timber Structures Design and Drawing
DCE-512	Highway Engineering	DCE-612	Computer Applications in Civil Engineering
DCE-513	Surveying Camp(2 weeks)	DCE-613	Project Work
DCE-514	Minor Project		
DCE-515	Irrigation Engineering and Drawing		

Electronics & Communication Engineering

SEMESTER III		SEMESTER IV	
Course Code	Course Title	Course Code	Course Title
DECE-301	Electronic Devices And Circuits	DECE-401	Electrical Machines
DECE-302	General Engineering	DECE-402	Advanced Communication
DECE-303	Electronic Instrument and Measurements	DECE-403	Network Filters Transmission Lines
DECE-304	Principles of Communication Engineering	DECE-404	Microprocessors and Applications
DECE-305	Digital Electronics	DECE-405	Electronic Design and Fabrication Techniques
Lab Courses		Lab Courses	
DECE-311	Electronic Devices And Circuits	DECE-411	Electrical Machines
DECE-312	General Engineering	DECE-412	Advanced Communication
DECE-313	Electronic Instrument and Measurements	DECE-413	Network Filters Transmission Lines
DECE-314	Principles of Communication Engineering	DECE-414	Microprocessors and Applications
DECE-315	Digital Electronics	DECE-415	Electronic Design and Fabrication Techniques
SEMESTER V		SEMESTER VI	
DECE-501	Microwave and Radar Engineering	DECE-601	Mobile Communication
DECE-502	Power Electronics	DECE-602	Microcontrollers and Embedded System
DECE-503	Advanced Microprocessors	DECE-603	Digital Signal Processing
DECE-504	Consumer Electronics	DECE-604	Digital System Design
DECE-505	Computer Organization and Networks	DECE-605	Entrepreneurship Development and Management
Lab Courses		Lab Courses	
DECE-511	Microwave and Radar Engineering	DECE 611	Mobile Communication
DECE-512	Power Electronics	DECE-612	Microcontrollers and Embedded System
DECE-513	Advanced Microprocessors	DECE-613	Digital Signal Processing
DECE-514	Consumer Electronics	DECE-614	Major Project Work (Industry oriented -Practice based)
DECE-515	Troubleshooting of Electronics Equipment		
DECE-516	Computer Organization and Networks		

Mechanical Engineering

SEMESTER III		SEMESTER IV	
Course Code	Course Title	Course Code	Course Title
DME-301	Fluid Mechanics-I	DME-401	Material Science
DME-302	General Engineering	DME-402	Manufacturing Processes and Practice-II
DME-303	Strength of Materials	DME-403	Applied Thermodynamics
DME-304	Fundamentals of Thermodynamics	DME-404	Hydraulics and Hydraulic Machines
DME-305	Manufacturing Processes and practice-I	DME-405	Metrology and Quality Control
Lab Courses		Lab Courses	
DME-311	Fluid Mechanics-I	DME-411	Computer Aided Drafting and Drawing
DME-312	General Engineering	DME-412	Material Science
DME-313	Strength of Materials	DME-413	Manufacturing Processes and Practice-II
DME-314	Machine Drawing	DME-414	Applied Thermodynamics
DME-315	Manufacturing Processes and Practice-I	DME-415	Hydraulics and Hydraulic Machines
		DME-416	Metrology and Quality Control
SEMESTER V		SEMESTER VI	
DME-501	Machine Design	DME-601	CNC Machines
DME-502	Refrigeration & Air Conditioning	DME-602	Automobile Engineering
DME-503	Manufacturing Process and Practices-III	DME-603	Maintenance Engineering
DME-504	Industrial Automation	DME-604	Theory of Machines
DME-505	Production Management	DME-605	Entrepreneurship Development and Management
Lab Courses		Lab Courses	
DME-511	Machine Design	DME 611	CNC Machines
DME-512	Refrigeration & Air Conditioning	DME-612	Automobile Engineering
DME-513	Industrial Automation	DME-613	Project Work
DME-514	Production Management		
DME-515	Industrial Training (4 Week after 4 th semester)		

