

JNTUK CoEeRD - B.Tech. Semester - I List of Subjects			
Year - Semester	S.No.	Subject	Units Available
I Year - CSE, ME, EEE, ECE, Civil, IT - R13 Syllabus			
I-I	1	Mathematics - I	6
	2	Environmental Studies	6
	3	Engineering Mechanics	6
	4	Engineering Chemistry	6
	5	Engineering Drawing	6
	6	Professional Ethics and Human Values	6
	7	Computer Programming	6
	8	Mathematical Methods	5
Electronics and Communication Engineering - R13 & 2009-10 Syllabus			
II-I	1	Signals & Systems	6
	2	Managerial Economics and Financial Analysis	6
	3	Electronic Devices and Circuits	6
	4	Data Structures	4
	5	Electrical Technology	6
	6	Environmental Studies	6
III-I	7	Electrical Measurements and Instrumentation	8
	8	Linear IC Applications	8
	9	Antennas & Wave Propagation	8
	10	Computer Architecture & Organization	8
	11	Digital IC Applications	8
	12	Intellectual Property Rights and Patents - I	4
IV-I	12	Optical Communication	8
	13	Digital Image Processing	8
	14	Radar Systems	8
	15	Embedded Systems	8
Electrical and Electronics Engineering - R13 & 2009-10 Syllabus			
II-I	1	Electro Magnetic Fields	6
	2	Electrical Machines - I	6
	3	Complex Variables and Statistical Methods	4
	4	Basic Electronics and Devices	6
	5	Electrical Circuite Analysis - II	6
III-I	6	Electrical Measurements	8
	7	Power Systems - II	8
	8	Electrical Machines - III	8
	9	Digital IC Applications	8
	10	Power Electronics	8
	11	Intellectual Property Rights and Patents - I	4
IV-I	12	Switch Gear & Protection	8
	13	Computer Organization	8
	14	Power System Operation & Control	8
	15	High Voltage Engineering	8
Mechanical Engineering - R13 & 2009-10 Syllabus			
II-I	1	Metallurgy & Materials Science	6
	2	Computer Aided Engineering Drawing Practice	6
	3	Mechanics of Solids	6
	4	Managerial Economics and Financial Analysis	6
	5	Basic Electrical & Electronics Engineering	6
	6	Thermodynamics	6

III-I	7	Dynamics of Machinery	8
	8	Metal Cutting & Machine Tools	8
	9	Finite Element Methods	8
	10	Operations Research	8
	11	Design of Machine Members - I	8
	12	Thermal Engineering - II	5
	12	Intellectual Property Rights and Patents - I	4
IV-I	13	Unconventional Machining Processes	8
	14	Alternative Sources of Energy	8
	15	CAD /CAM	8
Civil Engineering - R13 & 2009-10 Syllabus			
II-I	1	Basic Electrical & Electronics Engineering	6
	2	Strength of Materials - I	4
	3	Surveying	6
	4	Fluid Mechanics	6
	5	Probability & Statistics	6
	6	Building Materials and Construction	6
III-I	7	Building Planning & Drawing	8
	8	Design and Drawing of Concrete Structures - I	8
	9	Concrete Technology	8
	10	Water Resources Engineering - I	8
	11	Structural Analysis - II	8
	12	Intellectual Property Rights and Patents - I	4
IV-I	13	Remote Sensing & GIS Applications	8
	14	Design and Drawing of Irrigation Structures	6
	15	Environmental Engineering	8
	16	Geotechnical Engineering - II	8
Computer Science and Engineering - R13 & 2009-10 Syllabus			
II-I	1	Managerial Economics and Financial Analysis	6
	2	Data Structures	4
	3	Digital Logic Design	6
	4	Mathematical Foundations of Computer Science	6
III-I	5	Computer Graphics	8
	6	Compiler Design	4
	7	Computer Networks	8
	8	Micro Processors and Multi Core Systems	8
	9	Operating Systems	8
	10	Advanced Data Structures	7
	11	Intellectual Property Rights and Patents - I	4
IV-I	12	Cryptography & Network Security	8
	13	Data Ware Housing and Data Mining	8
	14	Mobile Computing	8
	15	UML & Design Patterns	8
Information Technology - R13 & 2009-10 Syllabus			
II-I	1	Managerial Economics and Financial Analysis	6
	2	Data Structures	4
	3	Digital Logic Design	6
	4	Mathematical Foundations of Computer Science	6
III-I	5	Computer Graphics	8
	6	Web Technologies	8
	7	Operating Systems	8

	8	Software Engineering	6
	8	Computer Networks	8
	10	Advanced Data Structures	7
	11	Intellectual Property Rights and Patents - I	4
IV-I	12	Cryptography & Network Security	8
	13	Data Ware Housing and Data Mining	8
	14	Mobile Computing	8
	15	UML & Design Patterns	8