

**VISHNU INSTITUTE OF TECHNOLOGY ( AUTONOMOUS) :: BHIMAVARAM**

**IV B.Tech - I Sem. (R19) SUBJECTS & LABS**

BRANCH	REG	YEAR	SEM	SUB CODE	SUBJECT NAME	Credits
<b>CIVIL</b>	R19	IV	I	19CE7T01	Estimation & Costing	3
	R19	IV	I	19CE7T02	Environmental Engineering	3
	R19	IV	I	19CE7T03	Pre stressed Concrete	3
	R19	IV	I	19CE7T04	Water Resources Engineering	3
	R19	IV	I	19CE7T08	Urban Transportation Planning	3
	R19	IV	I	19CE7T12	Repair and Rehabilitation of structures	3
	R19	IV	I	19CE7P01	Environmental Engineering Lab	1.5
	R19	IV	I	19CE7P02	GIS and CAD Lab	1.5
	R19	IV	I	19CE7J01	Major Project Phase-I	2
	R19	IV	I	19CE7I01	Survey Camp Industrial Training/ Internship/ Research Projects in National Laboratories / Academic Institute	2

<b>EEE</b>	R19	IV	I	19EE7T01	High Voltage Engineering	3
	R19	IV	I	19EE7T02	Switch Gear Protection	3
	R19	IV	I	19EE7T05	Utilization of Electrical Energy	3
	R19	IV	I	19EE7T07	FACTS	3
	R19	IV	I	19OE7T01	Web Technologies	3
	R19	IV	I	19HS7T01	Management Science	3
	R19	IV	I	19EE7P01	Power Systems and Simulation Lab	1.5
	R19	IV	I	19EE7P02	Electrical Measurements Lab	1.5

<b>ME</b>	R19	IV	I	19ME7T01	Finite Element Methods	3
	R19	IV	I	19ME7T02	Mechatronics	3
	R19	IV	I	19ME7T03	Operations Research	3
	R19	IV	I	19ME7T06	Production Planning and Control	3
	R19	IV	I	19ME7T08	Advanced Machining Processes	3
	R19	IV	I	19OE7T01	Web Technologies	3
	R19	IV	I	19HS7T02	Intellectual Property Rights and Patents	3
	R19	IV	I	19ME7P01	Finite Element Methods Lab	1.5
	R19	IV	I	19ME7P02	Mechatronics Lab	1.5
	R19	IV	I	19ME7I01	Seminar / Internship	1
	R19	IV	I	19ME7J01	Major Project phase-I	3

BRANCH	REG	YEAR	SEM	SUB CODE	SUBJECT	Credits
ECE	R19	IV	I	19EC7T01	VLSI	3
	R19	IV	I	19EC7T02	Digital Image Processing	2
	R19	IV	I	19EC7T06	Computer Networks	3
	R19	IV	I	19EC7T08	Embedded Systems	3
	R19	IV	I	19OE7T09	Robotics	3
	R19	IV	I	19HS7T01	Management Science	3
	R19	IV	I	19EC7P01	VLSI Lab	1.5
	R19	IV	I	19EC7P02	Microwave and Optical Communication Lab	1
	R19	IV	I	19EC7P03	Soft Computing Techniques Lab	1
	R19	IV	I	19EC7J01	Mini Project-III	1
	R19	IV	I	19EC7I01	Training/Certification/Research Project	0.5

CSE	R19	IV	I	19CS7T01	Network Security and Cryptography	3
	R19	IV	I	19IT7T01	Software Architectures	3
	R19	IV	I	19CS7T04	UML & DP	3
	R19	IV	I	19OE7T13	Remote Sensing and GIS	3
	R19	IV	I	19HS7T01	Management Science	3
	R19	IV	I	19CS7P01	Network Security Lab	1.5
	R19	IV	I	19CS7P02	UML & DP Lab	1.5
	R19	IV	I	19CS7J01	Project I (Mini Project)	1
	R19	IV	I	19CS7I01	Industrial Training/Internship/Research Projects in National Laboratories/Academic Institutions	2

IT	R19	IV	I	19CS7T01	Network Security and Cryptography	3
	R19	IV	I	19CS7T03	Dev Ops	3
	R19	IV	I	19IT7T04	Big Data Analytics	3
	R19	IV	I	19OE7T18	Information Theory and Coding	3
	R19	IV	I	19HS7T07	Managerial Economics and Financial Analysis	3
	R19	IV	I	19CS7P01	Network Security Lab	1.5
	R19	IV	I	19IT7P01	Big Data Analytics Lab	1.5
	R19	IV	I	19IT7J01	Project I (Mini Project)	1
	R19	IV	I	19IT7I01	Industrial Training/Internship/Research Projects in National Laboratories/Academic Institutions	2