

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

**II B.Tech - II Sem. (R23) SUBJECTS & LABS**

BRANCH	REG	YEAR	SEM	SUB CODE	SUBJECT	Credits
CIVIL	R23	II	II	23HS4T01	Managerial Economics and Financial Analysis	2
	R23	II	II	23CE4T01	Engineering Geology	3
	R23	II	II	23CE4T02	Concrete Technology	3
	R23	II	II	23CE4T03	Structural Analysis	3
	R23	II	II	23CE4T04	Hydraulics & Hydraulic Machinery	3
	R23	II	II	23CE4P02	Concrete Technology Lab	1.5
	R23	II	II	23CE4P01	Engineering Geology Lab	1.5
	R23	II	II	23CE4P03	Remote Sensing & Geographical Information Systems	2
	R23	II	II	23ME4P03	Design Thinking & Innovation	2
R23	II	II	23CE4A01	Building materials and Construction	-	

EEE	R23	II	II	23HS4T01	Managerial Economics and Financial Analysis	2
	R23	II	II	23EE4T03	Analog Circuits	3
	R23	II	II	23EE4T04	Power Systems - I	3
	R23	II	II	23EE4T01	Induction and Synchronous Machines	3
	R23	II	II	23EE4T02	Control Systems	3
	R23	II	II	23EE4P01	Induction and Synchronous Machines Lab	1.5
	R23	II	II	23EE4P02	Control Systems Lab	1.5
	R23	II	II	23CS4P04	Python Programming Lab	2
R23	II	II	23ME4P03	Design Thinking & Innovation	2	

ME	R23	II	II	23ME4T03	Industrial Management	2
	R23	II	II	23BS4T01	Complex Variables, Probability and Statistics	3
	R23	II	II	23ME4T01	Manufacturing processes	3
	R23	II	II	23ME4T02	Fluid Mechanics & Hydraulic Machines	3
	R23	II	II	23ME4T04	Design of Machine Members	3
	R23	II	II	23ME4P02	Fluid Mechanics & Hydraulic Machines Lab	1.5
	R23	II	II	23ME4P01	Manufacturing processes Lab	1.5
	R23	II	II	23BS4P01	Soft Skills	2
R23	II	II	23ME4P03	Design Thinking & Innovation	2	

ECE	R23	II	II	23HS4T01	Managerial Economics and Financial Analysis	2
	R23	II	II	23EC4T02	Linear Control Systems	3
	R23	II	II	23EC4T03	Electromagnetic Waves and Transmission Lines	3
	R23	II	II	23EC4T01	Electronic Circuit Analysis	3
	R23	II	II	23EC4T04	Analog Communications	3
	R23	II	II	23EC4P02	Signals and Systems Lab	1.5
	R23	II	II	23EC4P01	Electronic Circuit Analysis lab	1.5
	R23	II	II	23BS4P01	Soft Skills	2
R23	II	II	23ME4P03	Design Thinking & Innovation	2	

CSE	R23	II	II	23HS4T01	Managerial Economics and Financial Analysis	2
	R23	II	II	23BS4T02	Probability & Statistics	3
	R23	II	II	23CS4T01	Operating Systems	3
	R23	II	II	23CS4T02	Advanced Data Structures & Algorithm Analysis	3
	R23	II	II	23IT4T01	Software Engineering	3
	R23	II	II	23CS4P01	Operating Systems Lab	1.5
	R23	II	II	23CS4P02	Advanced Data Structures & Algorithm Analysis Lab	1.5
	R23	II	II	23CS4P03	Full Stack Development - I	2
	R23	II	II	23ME4P03	Design Thinking & Innovation	2

BRANCH	REG	YEAR	SEM	SUB CODE	SUBJECT	Credits
IT	R23	II	II	23IT4T02	Optimization Techniques	2
	R23	II	II	23BS4T02	Probability & Statistics	3
	R23	II	II	23CS4T01	Operating Systems	3
	R23	II	II	23CS4T02	Advanced Data Structures & Algorithm Analysis	3
	R23	II	II	23IT4T01	Software Engineering	3
	R23	II	II	23IT4P01	Operating Systems & Software Engineering Lab	1.5
	R23	II	II	23CS4P02	Advanced Data Structures & Algorithm Analysis Lab	1.5
	R23	II	II	23IT4P02	Python with Django	2
	R23	II	II	23ME4P03	Design Thinking & Innovation	2

AI&DS	R23	II	II	23IT4T02	Optimization Techniques	2
	R23	II	II	23AD4T02	Statistical methods for Data science	3
	R23	II	II	23CS4T01	Operating Systems	3
	R23	II	II	23AD4T01	Introduction to Data Science	3
	R23	II	II	23IT4T01	Software Engineering	3
	R23	II	II	23CS4P01	Operating Systems Lab	1.5
	R23	II	II	23AD4P01	Data Science using Python Lab	1.5
	R23	II	II	23CS4P03	Full Stack Development - I	2
	R23	II	II	23ME4P03	Design Thinking & Innovation	2

AI&ML	R23	II	II	23IT4T02	Optimization Techniques	2
	R23	II	II	23BS4T02	Probability & Statistics	3
	R23	II	II	23AM4T01	Machine Learning	3
	R23	II	II	23CS4T02	Advanced Data Structures & Algorithm Analysis	3
	R23	II	II	23AM4T02	Digital Logic & Computer Organization	3
	R23	II	II	23AM4P01	Machine Learning Lab	1.5
	R23	II	II	23CS4P02	Advanced Data Structures & Algorithm Analysis Lab	1.5
	R23	II	II	23CS4P03	Full Stack Development - I	2
	R23	II	II	23ME4P03	Design Thinking & Innovation	2

CS&BS	R23	II	II	23HS4T02	Financial Management	2
	R23	II	II	23BS4T02	Probability & Statistics	3
	R23	II	II	23CS4T01	Operating Systems	3
	R23	II	II	23CS4T02	Advanced Data Structures & Algorithm Analysis	3
	R23	II	II	23IT4T01	Software Engineering	3
	R23	II	II	23IT4P01	Operating Systems & Software Engineering Lab	1.5
	R23	II	II	23CS4P02	Advanced Data Structures & Algorithm Analysis Lab	1.5
	R23	II	II	23CS4P03	Full Stack Development - I	2
	R23	II	II	23ME4P03	Design Thinking & Innovation	2