

VISHNU INSTITUTE OF TECHNOLOGY (AUTONOMOUS) - BHIMAVARAM

IV B. TECH I SEM (R20) - SUBJECTS & CODES

S.No	Branch	Subject Code	Subject Name	Credits
1	CIVIL	20CE7T01	Pre-stressed Concrete	3
2	CIVIL	20CE7T05	Ground Improvement Techniques	3
3	CIVIL	20CE7T10	Solid Waste Management	3
4	CIVIL	20OE7T03	Operating Systems	3
5	CIVIL	20OE7T07	Basics of Power Plant Engineering	3
6	CIVIL	20HS7T02	Fundamentals of Entrepreneurship	3
7	CIVIL	20CE7P01	Computer Aided Project Management Laboratory	2
8	CIVIL	20CE7I01	Industrial / Research Internship	3

S.No	Branch	Subject Code	Subject Name	Credits
1	EEE	20EE7T01	HVDC Transmission	3
2	EEE	20EE7T05	Utilization of Electrical Energy	3
3	EEE	20EE7T09	Special Electrical Machines	3
4	EEE	20OE7T03	Operating Systems	3
5	EEE	20OE7T10	VLSI System Design	3
6	EEE	20OE7T11	Design and Analysis of Algorithms	3
7	EEE	20HS7T02	Fundamentals of Entrepreneurship	3
8	EEE	20EE7P01	Machine Learning with Python for Electrical Engineers	2
9	EEE	20EE7I01	Industrial / Research Internship	3

S.No	Branch	Subject Code	Subject Name	Credits
1	ME	20ME7T01	Operations Research	3
2	ME	20ME7T02	Mechatronics	3
3	ME	20ME7T04	Production Planning and Control	3
4	ME	20ME7T08	Automation in Manufacturing	3
5	ME	20ME7T10	Non-Destructive Testing	3
6	ME	20ME7T12	Additive Manufacturing Processes	3
7	ME	20OE7T12	Electric & Hybrid Vehicles	3
8	ME	20OE7T03	Operating Systems	3
9	ME	20OE7T08	Advanced Manufacturing Processes	3
10	ME	20OE7T06	Green Building Technologies	3
11	ME	20OE7T11	Design and Analysis of Algorithms	3
12	ME	20HS7T02	Fundamentals of Entrepreneurship	3
13	ME	20ME7P01	Mechatronics Lab	2
14	ME	20ME7I01	Industrial / Research Internship	3

S.No	Branch	Subject Code	Subject Name	Credits
1	ECE	20EC7T01	Cellular Mobile & Wireless Communications	3
2	ECE	20EC7T04	Radar & Satellite Systems	3
3	ECE	20EC7T07	Digital Image Processing	3
4	ECE	20OE7T13	VLSI Design	3
5	ECE	20OE7T14	Embedded System	3
6	ECE	20HS7T02	Fundamentals of Entrepreneurship	3
7	ECE	20EC7P01	VLSI Design Lab	2
8	ECE	20EC7I01	Industrial / Research Internship	3

S.No	Branch	Subject Code	Subject Name	Credits
1	CSE	20IT7T02	Ecommerce	3
2	CSE	20IT7T03	Software Architecture	3
3	CSE	20IT7T05	Semantic Web & Social Networks	3
4	CSE	20OE7T16	Robotic Process Automation	3
5	CSE	20OE7T17	Information Theory and Coding	3
6	CSE	20OE7T06	Green Building Technologies	3
7	CSE	20HS7T01	Managerial Economics and Financial Analysis	3
8	CSE	20CS7P01	Rust programming	2
9	CSE	20CS7I01	Internship	3

S.No	Branch	Subject Code	Subject Name	Credits
1	IT	20IT7T02	Ecommerce	3
2	IT	20CS7T03	UML & Design patterns	3
3	IT	20CS7T05	Big Data Analytics	3
4	IT	20OE7T16	Robotic Process Automation	3
5	IT	20OE7T06	Green Building Technologies	3
6	IT	20HS7T01	Managerial Economics and Financial Analysis	3
7	IT	20IT7P01	Julia Programming	2
8	IT	20IT7I01	Internship	3

S.No	Branch	Subject Code	Subject Name	Credits
1	AI&DS	20AD7T02	Cloud Computing	3
2	AI&DS	20AD7T06	Image Processing	3
3	AI&DS	20AD7T10	Cryptography and Network Security	3
6	AI&DS	20OE7T16	Robotic Process Automation	3
7	AI&DS	20OE7T06	Green Building Technologies	3
8	AI&DS	20OE7T17	Information Theory and Coding	3
9	AI&DS	20HS7T01	Managerial Economics and Financial Analysis	3
10	AI&DS	20IT7P01	Julia Programming	2
11	AI&DS	20AD7I01	Internship	3

S.No	Branch	Subject Code	Subject Name	Credits
1	CS&BS	20CB7T02	Internet of Things	3
2	CS&BS	20CB7T06	Mobile Computing	3
3	CS&BS	20IT7T06	Information Retrieval Systems	3
4	CS&BS	20OE7T18	Dev Ops	3
5	CS&BS	20OE7T06	Green Building Technologies	3
6	CS&BS	20HS7T06	Human Resource Management	3
7	CS&BS	20CB7P02	MAT LAB	2
8	CS&BS	20CB7I01	Internship	3