

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

**III B.Tech - II Sem. (R20) Subjects & Labs**

BRANCH	REG	YEAR	SEM	SUB CODE	SUBJECT	Credits
CIVIL	R20	III	II	20CE6T01	Design and Drawing of Steel Structures	3
	R20	III	II	20CE6T02	Water Resource Engineering	3
	R20	III	II	20CE6T03	Geotechnical Engineering-II	3
	R20	III	II	20CE6T05	Road Safety Engineering	3
	R20	III	II	20OE6T03	Data Base Management Systems	3
	R20	III	II	20CE6P01	Surveying Field Work - II Laboratory	1.5
	R20	III	II	20CE6P02	Estimation, Costing & Contracts Laboratory	1.5
	R20	III	II	20CE6P03	STAAD Pro Laboratory	1.5
	R20	III	II	20CE6P04	Building Information Modeling (BIM) in Design Construction and Operations Laboratory	2
	R20	III	II	20CE6J01	Community Service Project	4
	R20	III	II	20CE6A01	Employability Skills for Civil Engineers	0
EEE	R20	III	II	20EE6T01	Electric Drives	3
	R20	III	II	20EE6T02	Power Systems Analysis	3
	R20	III	II	20EC6T01	Microprocessors and Microcontrollers	3
	R20	III	II	20EE6T04	Renewable Energy Systems	3
	R20	III	II	20OE6T03	Data Base Management Systems	3
	R20	III	II	20EC6P01	Microprocessors and Microcontrollers Lab	1.5
	R20	III	II	20EE6P01	Power Systems Lab	1.5
	R20	III	II	20EE6P02	Electrical Simulation Lab	1.5
	R20	III	II	20EE6P03	Design of Photo Voltaic Solar Power System	2
	R20	III	II	20EE6J01	Community Service Project	4
R20	III	II	20EE6A01	Research Methodology	0	
ME	R20	III	II	20ME6T01	Design for smart manufacturing	3
	R20	III	II	20ME6T02	Heat Transfer	3
	R20	III	II	20ME6T03	Mechanical Measurements & Metrology	3
	R20	III	II	20ME6T05	Finite Element Analysis	3
	R20	III	II	20ME6T07	Advanced Machining Processes	3
	R20	III	II	20OE6T03	Data Base Management Systems	3
	R20	III	II	20ME6P01	Design Thinking Lab	1.5
	R20	III	II	20ME6P02	Heat Transfer Lab	1.5
	R20	III	II	20ME6P03	Measurements & Metrology Lab	1.5
	R20	III	II	20ME6P04	Programming for Mechanical systems	2
	R20	III	II	20ME6J01	Community Service Project	4
R20	III	II	20HS6A01	Intellectual Property Rights & Patents	0	
ECE	R20	III	II	20EC6T01	Microprocessors and Microcontrollers	3
	R20	III	II	20EC6T02	Digital Signal Processing	3
	R20	III	II	20EC6T03	Microwave Engineering & Optical Communication	3
	R20	III	II	20EC6T04	Computer Networks	3
	R20	III	II	20OE6T03	Data Base Management Systems	3
	R20	III	II	20EC6P01	Microprocessors and Microcontrollers Lab	1.5
	R20	III	II	20EC6P02	Digital Signal Processing Lab	1.5
	R20	III	II	20EC6P03	Microwave and optical Communication Lab	1.5
	R20	III	II	20BS6P01	Advanced English Communication Skills Lab	2
	R20	III	II	20EC6J01	Community Service Project	4
	R20	III	II	20EC6A01	Essence of Indian Traditional Knowledge	0
<b>BRANCH</b>	<b>REG</b>	<b>YEAR</b>	<b>SEM</b>	<b>SUB CODE</b>	<b>SUBJECT</b>	<b>Credits</b>
R20	III	II	20CS6T01	Data Warehousing and Data Mining	3	

<b>CSE</b>	R20	III	II	20CS6T02	Cryptography and Network Security	3
	R20	III	II	20IT6T01	Internet of Things	3
	<b>R20</b>	<b>III</b>	<b>II</b>	<b>20CS6T04</b>	<b>Software Project Management</b>	<b>3</b>
	<b>R20</b>	<b>III</b>	<b>II</b>	<b>20JE6T01</b>	<b>NoSQL Databases</b>	<b>3</b>
	R20	III	II	20CS6P01	Data Warehousing Data Mining Lab	1.5
	R20	III	II	20IT6P01	Internet of Things Lab	1.5
	R20	III	II	20CS6P02	NoSQL Databases Lab	1.5
	R20	III	II	20BS6P01	Advanced English Communication Skills Lab	2
	R20	III	II	20CS6J01	Community Service Project	4
	R20	III	II	20CS6A01	Employability Skills – II (Data Visualization)	0
<b>IT</b>	R20	III	II	20CS6T01	Data Warehousing and Data Mining	3
	R20	III	II	20CS6T02	Cryptography and Network Security	3
	R20	III	II	20IT6T01	Internet of Things	3
	<b>R20</b>	<b>III</b>	<b>II</b>	<b>20IT6T02</b>	<b>Dev Ops</b>	<b>3</b>
	<b>R20</b>	<b>III</b>	<b>II</b>	<b>20JE6T01</b>	<b>NoSQL Databases</b>	<b>3</b>
	R20	III	II	20CS6P01	Data Warehousing Data Mining Lab	1.5
	R20	III	II	20IT6P01	Internet of Things Lab	1.5
	R20	III	II	20CS6P02	NoSQL Databases Lab	1.5
	R20	III	II	20BS6P01	Advanced English Communication Skills Lab	2
	R20	III	II	20IT6J01	Community Service Project	4
	R20	III	II	20CS6A01	Employability Skills – II (Data Visualization)	0
<b>AI&amp;DS</b>	R20	III	II	20AD6T01	Computer Networks	3
	R20	III	II	20AD6T02	Big Data Analytics	3
	R20	III	II	20AD6T03	Deep Learning	3
	<b>R20</b>	<b>III</b>	<b>II</b>	<b>20AD6T04</b>	<b>Natural Language Processing</b>	<b>3</b>
	<b>R20</b>	<b>III</b>	<b>II</b>	<b>20JE6T01</b>	<b>NoSQL Databases</b>	<b>3</b>
	R20	III	II	20AD6P01	Deep Learning Lab using TensorFlow	1.5
	R20	III	II	20AD6P02	Big Data Analytics Lab	1.5
	R20	III	II	20CS6P02	NoSQL Databases Lab	1.5
	R20	III	II	20BS6P01	Advanced English Communication Skills Lab	2
	R20	III	II	20AD6J01	Community Service Project	4
R20	III	II	20AD6A01	Employability Skills – II (Business Analytics using Tableau)	0	
<b>CS&amp;BS</b>	R20	III	II	20AD6T01	Computer Networks	3
	R20	III	II	20CS6T02	Cryptography and Network Security	3
	R20	III	II	20CB6T01	Financial & Cost Accounting	3
	<b>R20</b>	<b>III</b>	<b>II</b>	<b>20CB6T05</b>	<b>Machine Learning</b>	<b>3</b>
	<b>R20</b>	<b>III</b>	<b>II</b>	<b>20JE6T01</b>	<b>NoSQL Databases</b>	<b>3</b>
	R20	III	II	20CB6P01	CN & CNS Lab	1.5
	R20	III	II	20CB6P02	Web Technologies Lab	1.5
	R20	III	II	20CS6P02	NoSQL Databases Lab	1.5
	R20	III	II	20BS6P02	Business Communication & Value Science – IV	2
	R20	III	II	20CB6J01	Community Service Project	4
R20	III	II	20CB6A01	Employability Skills – Competitive Coding	0	