

DEPARTMENT OF CIVIL ENGINEERING

II B. Tech II Year I Semester

S.No	CODE	SUBJECT	Cat. Code	INTERNAL MARKS	EXTERNAL MARKS	TOTAL MARKS	L	T	P	C
1	R20CC2101	Numerical Methods and Transformation	BS	30	70	100	3	0	0	3
2	R20CE2102	Fluid Mechanics	PC	30	70	100	3	0	0	3
3	R20CE2103	Strength of Materials-I	PC	30	70	100	3	0	0	3
4	R20CE2104	Surveying and Geomatics	PC	30	70	100	3	0	0	3
5	R20CE2105	Concrete Technology	PC	30	70	100	3	0	0	3
6	R20CE21L1	Strength Of Materials Lab	PC	15	35	50	0	0	3	1.5
7	R20CE21L2	Computer Aided Building Drawing Lab	PC	15	35	50	0	0	3	1.5
8	R20CE21L3	Surveying Field Work Lab	PC	15	35	50	0	0	3	1.5
9	R20CE21SC1	Building Materials and Construction Technology Lab	SOC	15	35	50	1	0	2	2
10	R20CC21MC1	Environmental Studies	MC	100		100	3	0	0	0
Total Credits									21.5	




DEPARTMENT OF CIVIL ENGINEERING

B.TECH II YEAR - II SEMESTER

S.NO	CODE	SUBJECT	Cat. Code	INTERNAL MARKS	EXTERNAL MARKS	TOTAL MARKS	L	T	P	CREDIT
1	R20CC2201	Technical and Communicative English-II	CC	30	70	100	3	0	0	3
2	R20CE2202	Engineering Geology	ES	30	70	100	3	0	0	3
3	R20CE2203	Structural Analysis	PC	30	70	100	3	0	0	3
4	R20CE2204	Strength of Materials-II	PC	30	70	100	3	0	0	3
5	R20CE2205	Hydraulics And Hydraulic Machines	PC	30	70	100	3	0	0	3
6	R20CE22L1	Engineering Geology Lab	EC	15	35	50	0	0	3	1.5
7	R20CE22L2	Fluid Mechanic And Hydraulic Machinery Lab	PC	15	35	50	0	0	3	1.5
8	R20CE22L3	Concrete Technology Lab	PC	15	35	50	0	0	3	1.5
9	R20CE22SC1	Advanced Surveying	SOC		50	50	1	0	2	2
Total Credits										21.5




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 NARASARAOPETA - 522 601.
 Guntur (Dist. A.R.)



DEPARTMENT OF CIVIL ENGINEERING

III B. TECH. – I SEMESTER

Sl. No.	Subject Code	Subject	Internal Marks	External Marks	Total Marks	L	T	P	Credits
COMMON CORE									
1	19BCC5TH01	Entrepreneurship And Innovation	40	60	100	3	0	0	3
PROFESSIONAL CORE									
2	19BCE5TH02	Structural Analysis-II	40	60	100	3	0	0	3
3	19BCE5TH03	Design of Reinforced Concrete Structures	40	60	100	3	0	0	3
4	19BCE5TH04	Soil Mechanics	40	60	100	3	0	0	3
5	19BCE5TH05	Concrete Technology	40	60	100	3	0	0	3
OPEN ELECTIVES									
6	19BCC5OE01	Disaster Management	40	60	100	3	0	0	3
7	19BCC5OE02	Green Building & Sustainability	40	60	100	3	0	0	3
LABORATORIES									
8	19BCE5LB01	Soil Mechanics laboratory	20	30	50	0	0	3	1.5
9	19BCE5LB02	Concrete Technology laboratory	20	30	50	0	0	3	1.5
10	19BCC5MC01	Advance Communication Skills Lab	-	-	-	-	-	3	-
						Total			21




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DEPARTMENT OF CIVIL ENGINEERING

III B. TECH. – II SEMESTER

Sl. No.	Subject Code	Subject	Internal Marks	External Marks	Total Marks	L	T	P	Credits
PROFESSIONAL CORE									
1	19BCE6TH01	Design And Drawing Of Steel Structures	40	60	100	3	0	0	3
2	19BCE6TH02	Irrigation & Water Resources Engineering	40	60	100	3	0	0	3
3	19BCE6TH03	Foundation Engineering	40	60	100	3	0	0	3
4	19BCE6TH04	Transportation Engineering	40	60	100	3	0	0	3
Professional Electives									
Professional Elective-I									
5	19BCE6PE05	Advanced Design Of Concrete Structures	40	60	100	3	0	0	3
6	19BCE6PE06	Numerical Methods In Civil Engineering	40	60	100	3	0	0	3
7	19BCE6PE07	Groundwater Hydrology	40	60	100	3	0	0	3
8	19BCE6PE08	Alternative Construction Technology	40	60	100	3	0	0	3
Open Electives									
9	19BCC6OE01	Solid And Hazardous Waste Management	40	60	100	3	0	0	3
10	19BCC6OE02	Ground Water Development And Management	40	60	100	3	0	0	3
Laboratories									
11	19BCE6LB01	Transportation Engineering Laboratory	20	30	50	0	0	3	1.5
12	19BCE6MP	Mini Project	20	30	50	0	0	3	1.5
13	19BCE6LB02	Field Work With Digital Technologies	20	30	50	0	0	3	1.5
						TOTAL			22.5




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II B. Tech. - I SEMESTER

S. No.	Subject Code	Subject	Cat. Code	L	T	P	Internal Marks	External Marks	Total Marks	Credits
1	R20CC2101	Numerical Methods and Transformations	BSC	2	1	0	30	70	100	3
2	R20EE2102	Electrical Circuit Analysis-II	PCC	2	1	0	30	70	100	3
3	R20EE2103	Electrical Machines-I	PCC	2	1	0	30	70	100	3
4	R20EE2104	Electromagnetic Fields	PCC	2	1	0	30	70	100	3
5	R20EE2105	Analog Electronics	PCC	3	0	0	30	70	100	3
6	R20EE21L1	Electrical Circuit Analysis Lab	PCC	0	0	3	15	35	50	1.5
7	R20EE21L2	Electrical Machines-I Lab	PCC	0	0	3	15	35	50	1.5
8	R20EE21L3	Analog Electronics Lab	PCC	0	0	3	15	35	50	1.5
9	R20EE21SC1	PLC Automation	SC	0	0	4	-	50	50	2
10	R20CC21MC1	Environmental Studies (MC)	MC	2	-	-	-	-	-	-
		Total		13	4	13	195	505	700	21.5





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II B. Tech. - II SEMESTER

S. No.	Subject Code	Subject	Cat. Code	L	T	P	Internal Marks	External Marks	Total Marks	Credits
1	R20CC2201	Technical and Communicative English – II	HSMC	3	0	0	30	70	100	3
2	R20CC2202	Complex Variables, Probability and Statistics	BSC	2	1	0	30	70	100	3
3	R20EE2203	Control Systems	PCC	2	1	0	30	70	100	3
4	R20EE2204	Electrical Machines-II	PCC	2	1	0	30	70	100	3
5	R20EE2205	Digital Electronics	PCC	3	0	0	30	70	100	3
6	R20EE22L1	Control System Lab	PCC	0	0	3	15	35	50	1.5
7	R20EE22L2	Electrical Machines Lab-II	PCC	0	0	3	15	35	50	1.5
8	R20EE22L3	Digital Electronics Laboratory	PCC	0	0	3	15	35	50	1.5
9	R20EE22SC1	Numerical Techniques using MATLAB	SC	0	0	4	-	50	50	2
		Total		12	3	13	195	505	700	21.5




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III B.TECH. – I SEMESTER

S.No.	Subject Code	Subject	Cat. Code	Internal Marks	External Marks	Total Marks	L	T	P	Credits
1	19BEE5TH01	Control Systems	PC	40	60	100	3	-	-	3
2	19BEE5TH02	Power Electronics	PC	40	60	100	3	-	-	3
3	19BEE5TH03	Electrical Transmission System	PC	40	60	100	3	-	-	3
4	19BEE5TH04	Electrical Measurements	PC	40	60	100	3	-	-	3
5	19BEE5PE05	Professional Elective-I a. Special Electrical Machines	PE	40	60	100	3	-	-	3
	19BEE5PE06	b. Intellectual Property Rights								
	19BEE5PE07	c. Signals and System								
	19BEE5PE08	d. Electrical Energy Conservation and Auditing								
6		Open Elective-II	OE	40	60	100	3	-	-	3
7	19BEE5LB01	Electrical Machines Lab-II	PC	20	30	50		-	3	1.5
8	19BEE5LB02	Power Electronics Lab	PC	20	30	50		-	3	1.5
9	19BEE5LB03	Control System & Measurements Lab	PC	20	30	50		-	3	1.5
10	19BCC5MC01	Advanced Communication Skills	MC	-	-	-	-	-	3	-
		Total		300	450	750	18	-	12	22.5




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III B.TECH. – II SEMESTER

S.No.	Subject Code	Subject	Cat. Code	Internal Marks	External Marks	Total Marks	L	T	P	Credits
1	19BCC6TH01	Entrepreneurship and Innovation	HS	40	60	100	3	-	-	2
2	19BEE6TH02	Microprocessor & Microcontrollers	PC	40	60	100	3	-	-	3
3	19BEE6TH03	Internet of Things	ES	40	60	100	2	1	-	3
4	19BEE6TH04	Power System Analysis	PC	40	60	100	3	-	-	3
5	19BEE6PE05	Professional Elective-II a. Flexible AC Transmission Systems	PE	40	60	100	3	-	-	3
	19BEE6PE06	b. Advanced Power Electronic Converters								
	19BEE6PE07	c. Control of Electrical Drives								
	19BEE6PE08	d. Electrical Machine Design								
6		Open Elective-III	OE	40	60	100	3	-	-	3
7	19BEE6LB01	Microprocessors and Microcontrollers Lab	PC	20	30	50		-	3	1.5
8	19BEE6LB02	Process Automation Lab (Skill Lab)	PR	20	30	50		-	3	1
9	19BEE6MP	Mini Project	PR	50	-	50	-	-	3	1.5
		Total		330	420	750	18	-	9	21




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II B.TECH – I SEMESTER

S. No	Subject	Course Code	Cat. Code	Internal Marks	External Marks	Total Marks	L	T	P	Credits
1	Numerical Methods and Transformations	R20CC2101	BS	30	70	100	2	1	0	3
2	Fluid Mechanics and Hydraulic Machinery	R20ME2102	PC	30	70	100	2	1	0	3
3	Metrology and Instrumentation	R20ME2103	PC	30	70	100	3	0	0	3
4	Thermodynamics	R20ME2104	PC	30	70	100	2	1	0	3
5	Mechanics of Solids	R20ME2105	PC	30	70	100	2	1	0	3
6	FMHM Lab	R20ME21L1	PC	15	35	50	0	0	3	1.5
7	MOS and Metallurgy Lab	R20ME21L2	PC	15	35	50	0	0	3	1.5
8	Metrology and Instrumentation Lab	R20ME21L3	PC	15	35	50	0	0	3	1.5
9	Solid Modelling	R20ME21L4	SC	15	35	50	0	0	4	2
10	Environmental Studies	R20CCMC2	MC	-	-	-	2	0	0	0
Total										21.5




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II B.TECH- II SEMESTER

S. No	Subject	Course Code	Cat. Code	Internal Marks	External Marks	Total Marks	L	T	P	Credits
1	Applied Thermodynamics	R20ME2204	ES	30	70	100	2	1	0	3
2	Complex Variables Probability and Statistics	R20CC2202	BS	30	70	100	2	1	0	3
3	Kinematics of Machinery	R20ME2202	PC	30	70	100	3	0	0	3
4	Manufacturing Technology	R20ME2203	PC	30	70	100	3	0	0	3
5	Technical and Communicative English - II	R20CC2201	HS	30	70	100	3	0	0	3
6	Machine Drawing Lab	R20ME22L1	PC	15	35	50	0	0	3	1.5
7	Applied Thermodynamics Lab	R20ME22L2	PC	15	35	50	0	0	3	1.5
8	Manufacturing Technology Lab	R20ME22L3	PC	15	35	50	0	0	3	1.5
9	Computer Aided Engineering Practice	R20ME22L4	SC	15	35	50	0	0	4	2
							Total			21.5
10	Honors/Minor Courses	-	HC	30	70	100	4	0	0	4




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III B.TECH- I SEMESTER

S.No.	Subject	Sub Code	Cat. Code	Internal Marks	External Marks	Total Marks	L	T	P	Credits
1	Business Management Concepts for Engineers	19BME5TH02	HS	40	60	100	3	-	-	3
2	Metal Cutting & Machine Tools	19BME5TH03	PC	40	60	100	3	-	-	3
3	Heat Power Engineering	19BME5TH04	PC	40	60	100	2	1	-	3
4	Design of Machine Elements -I	19BME5TH05	PC	40	60	100	2	1	-	3
5	Entrepreneurship and Innovation	19BCC5TH01	HS	40	60	100	2	-	-	2
6	Open Elective-2		OE	40	60	100	3	-	-	3
7	Engineering Skills Lab	19BME5LB01	PR	20	30	50	-	-	3	1.5
8	Metal Cutting & Machine Tools Lab	19BME5LB02	PC	20	30	50	-	-	3	1.5
9	Heat Power Engineering Lab	19BME5LB03	PC	20	30	50	-	-	3	1.5
Total										21.5



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III B.TECH- II SEMESTER


S.No.	Subject	Sub Code	Cat. Code	Internal Marks	External Marks	Total Marks	L	T	P	Credits
1	Design of Machine Elements -II	19BME6TH02	PC	40	60	100	2	1	-	3
2	Heat Transfer	19BME6TH03	PC	40	60	100	2	1	-	3
3	Dynamics of Machinery	19BME6TH04	PC	40	60	100	2	1	-	3
4	Complex Variables, Probability & Statistics	19BME6TH01	BS	40	60	100	2	1	-	3
5	Professional Elective-1		PE	40	60	100	2	1	-	3
	Automobile Engineering	19BME6PE05								
	Refrigeration and air conditioning	19BME6PE06								
	Operations Research	19BME6PE07								
	Unconventional Machining Processes	19BME6PE08								
6	Open Elective-3		OE	40	60	100	3	-	-	3
7	Heat Transfer Lab	19BME6LB01	PC	20	30	50	-	-	3	1.5
8	Machine Dynamics Lab	19BME6LB02	PC	20	30	50	-	-	3	1.5
9	Mini Project	19BME6MP	PR	20	30	50	-	-	3	1.0
10	Advanced Communication Skills	19BCC6MC01	MC	-	-	-	3	-	-	0
Total										22.0



II B.TECH. – I SEMESTER

S.N o.	Subject Code	SUBJECT	Cat. Code	L	T	P	INTERNAL MARKS	EXTERNAL MARKS	TOTAL MARKS	CREDITS
1	R20CC2101	Numerical Methods and Transformations	BS	2	1	0	30	70	100	3
2	R20EC2102	Electronic Devices and Circuits	PC	3	0	0	30	70	100	3
3	R20EC2103	Signals and Systems	PC	2	1	0	30	70	100	3
4	R20EC2104	Switching Theory and Logic Design	PC	3	0	0	30	70	100	3
5	R20EC2105	Linear Control Systems	PC	3	0	0	30	70	100	3
6	R20EC21L1	Electronic Devices and Circuits Lab	PC	0	0	3	15	35	50	1.5
7	R20EC21L2	Signals and Systems Lab	PC	0	0	3	15	35	50	1.5
8	R20EC21L3	Digital Logic Design Lab	PC	0	0	3	15	35	50	1.5
9	R20EC21SC1	Design of Systems using Arduino and Raspberry Pi	SC	0	0	4		50	50	2
10	R20CC21MC1	Environmental Studies	MC	2	0	0				0
Total				15	02	13	195	505	700	21.5




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II B.TECH. – II SEMESTER

S.No.	Subject Code	SUBJECT	Cat. Code	L	T	P	INTERNAL MARKS	EXTERNAL MARKS	TOTAL MARKS	CREDITS
1	R20EC2202	Internet of Things	ES	3	0	0	30	70	100	3
2	R20EC2203	Analog and Digital Communications	PC	3	0	0	30	70	100	3
3	R20EC2204	Electronic Circuits and Pulse Circuits	PC	3	0	0	30	70	100	3
4	R20EC2205	Electromagnetic Waves and Transmission Lines	PC	3	0	0	30	70	100	3
5	R20CC2201	Technical and Communicative English-II	HS	3	0	0	30	70	100	3
6	R20EC22L1	Internet of Things Lab	ES	0	0	3	15	35	50	1.5
7	R20EC22L2	Analog and Digital Communications Lab	PC	0	0	3	15	35	50	1.5
8	R20EC22L3	Electronic Circuits and Pulse Circuits Lab	PC	0	0	3	15	35	50	1.5
9	R20EC22SC1	Design and Simulation of Electronic Circuits	SC	0	0	4		50	50	2
10		Internship two months (Mandatory) during summer vacation								
		Total		15	0	13	195	505	700	21.5
		Honors/minor course	>4	4	0	0				4




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III B.TECH. – I SEMESTER

S.No.	SUBJECT	Cat. Code	INTERNAL MARKS	EXTERNAL MARKS	TOTAL MARKS	L	T	P	CREDITS
1	Linear & Digital IC Applications	PC	40	60	100	3	-	-	3
2	Entrepreneurship and Innovation	HS	40	60	100	2	-	-	2
3	Pulse and Digital Circuits	PC	40	60	100	3	-	-	3
4	Control Systems	PC	40	60	100	3	-	-	3
5	Computer Organization and Microprocessors	PC	40	60	100	3	-	-	3
6	Open Elective – II	OE	40	60	100	3	-	-	3
	i. Fundamentals of Image Processing (Other than ECE)								
	ii. Consumer Electronics								
7	LDICA Lab	PC	20	30	50	-	-	3	1.5
8	EC & PDC Lab	PC	20	30	50	-	-	3	1.5
9	Skills Lab	OE	20	30	50	-	-	3	1.5
Total			300	450	750	17	-	9	21.5




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S. No.	SUBJECT	Cat. Code	INTERNAL MARKS	EXTERNAL MARKS	TOTAL MARKS	L	T	P	CREDITS
1	Antennas and Wave Propagation	PC	40	60	100	3	-	-	3
2	Digital Signal Processing	PC	40	60	100	3	-	-	3
3	Microcontrollers and Embedded Systems	PC	40	60	100	3	-	-	3
4	Object Oriented Programming through Java	ES	40	60	100	3	-	-	3
5	Open Elective – III i. Introduction to Embedded Systems (Other than ECE) ii. Global Positioning System(GPS)	OE	40	60	100	3	-	-	3
6	Professional Elective–I: i. Electronic Measurements and Instrumentation ii. Data Communication and Computer Networks iii. Embedded System Design with Advanced Processors iv. Statistical Methods in AI	PE	40	60	100	3	-	-	3
7	MP & MC Lab	PC	20	30	50	-	-	3	1.5
8	Object Oriented Programming through Java Lab	ES	20	30	50	-	-	3	1.5
9	Mini Project	PR	20	30	50	-	-	2	1
10	Advanced Communication Skills	MC	-	-	-	-	-	3	-
Total			300	450	750	18	-	11	22




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S.No	Subject Code	SUBJECT	Cat. Code	INTERNAL MARKS	EXTERNAL MARKS	TOTAL MARKS	L	T	P	CREDITS
1	R20CC2102	Mathematical Foundations of Computer Science	BS	30	70	100	2	1	0	3
2	R20CC2103	OOPs through Java	PC	30	70	100	3	0	0	3
3	R20CC2104	Data Structures	PC	30	70	100	3	0	0	3
4	R20CI2101	Computer Organization	PC	30	70	100	3	0	0	3
5	R20CC2105	Front End Web Technologies	PC	30	70	100	3	0	0	3
6	R20CC21L1	Data Structures Lab	PC	15	35	50	0	0	3	1.5
7	R20CC21L2	OOPs through Java Lab	PC	15	35	50	0	0	3	1.5
8	R20CC21L3	Front End Web Technologies Lab	ES	15	35	50	0	0	3	1.5
9	R20CC21SC1	Data Science	SOC	-	50	50	0	0	4	2
10	R20CCMC2	Constitution of India	MC	-	-	-	2	0	0	0
										21.5




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S.No.	Subject Code	SUBJECT	Cat. Code	INTERNAL MARKS	EXTERNAL MARKS	TOTAL MARKS	L	T	P	CREDITS
1	R20CC2201	Technical and Communicative English -II	HS	30	70	100	3	0	0	3
2	R20CC2203	Database Management Systems	PC	30	70	100	3	0	0	3
3	R20CC2204	Formal Languages and Automata Theory	PC	30	70	100	3	0	0	3
4	R20CS2205	Software Engineering	PC	30	70	100	3	0	0	3
5	Open Elective –I		OE	30	70	100	3	0	0	3
6	R20CC22L1	Database Management Systems Lab	PC	15	35	50	0	0	3	1.5
7	R20CS22L2	Software Engineering and UML Lab	PC	15	35	50	0	0	3	1.5
8	R20CS22L3	Mobile Application Development Lab	PC	15	35	50	0	0	3	1.5
9	R20CS22L4	Artificial Intelligence	SOC	-	50	50	0	0	4	2
TOTAL										21.5



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S.No	Subject Code	SUBJECT	Cat. Code	INTERNAL MARKS	EXTERNAL MARKS	TOTAL MARKS	L	T	P	CREDITS
1	19BCI5TH01	Operating Systems	PC	40	60	100	3	-	-	3
2	19BCS5TH03	Computer Networks	PC	40	60	100	3	-	-	3
3	19BCI5TH02	Compiler Design	PC	40	60	100	3	-	-	3
4	19BCS5TH04	OOAD through UML	PC	40	60	100	3	-	-	3
5	19BCS5TH05	Advanced Java and Web Technologies	PC	40	60	100	3	-	-	3
6	19BCS5TH05 19BCS5TH08 19BCS5TH09 19BCI5TH07	Professional Elective - I a. DWDM b. Computer Graphics c. Software Testing Methodology d. Microprocessors and Multicore systems	PE	40	60	100	3	-	-	3
7	19BCS5LB01	OS and UML Lab	PC	20	30	50	-	-	3	1.5
8	19BCS5LB02	Advanced Java and Web Technologies Lab	PC	20	30	50	-	-	3	1.5
9	19BCS5LB03	PE-I LAB	HS	20	30	50	-	-	3	1.5
10	19BCS5MP01	Mini Project	PR	20	30	50	-	-	-	1
11	19BCC5MC01	Advanced Communication Skills	MC	-	-	-	3	-	-	0
TOTAL										23.5



III B.TECH. – II SEMESTER


S.No	Subject Code	SUBJECT	Cat. Code	INTERNAL MARKS	EXTERNAL MARKS	TOTAL MARKS	L	T	P	CREDITS
1	19BCS6TH02	Artificial Intelligence	PC	40	60	100	3	-	-	3
2	19BCS6TH03	Cryptography and Network Security	PC	40	60	100	3	-	-	3
3	19BCC6TH01	Entrepreneurship and Innovation	HS	40	60	100	2	-	-	2
4		Open Elective – II	OE	40	60	100	3	-	-	3
5	19BCS6PE04 19BCS6PE05 19BCS6PE06 19BCS6PE07	<u>Professional Elective – II</u> a. Big Data Analytics b. Network Programming c. Agile with SCRUM d. Mobile Computing	PE	40	60	100	3	-	-	3
6	19BCS6LB01	Cryptography and Network Security Lab	PC	20	30	50	-	-	3	1.5
7	19BCS6LB02	PE-II LAB	PC	20	30	50	-	-	3	1.5
8	19BCS6LB03	R PROGRAMMING LAB	ES	20	30	50	-	-	3	1.5
9	19BCS6LB04	Artificial Intelligence Lab	HS	20	30	50	-	-	3	1.5
TOTAL										20

* This lab covers experiments related to CNS and of the chosen PE-II




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II B.TECH - I SEMESTER

S.No	Subject Code	SUBJECT	Cat. Code	INTERNAL MARKS	EXTERNAL MARKS	TOTAL MARKS	L	T	P	CREDITS	
1	R20CC2102	Mathematical Foundations of Computer Science	BS	30	70	100	2	1	0	3	
2	R20CC2103	OOPs through Java	PC	30	70	100	3	0	0	3	
3	R20CC2104	Data Structures	PC	30	70	100	3	0	0	3	
4	R20CI2101	Computer Organization	PC	30	70	100	3	0	0	3	
5	R20CC2105	Front End Web Technologies	PC	30	70	100	3	0	0	3	
6	R20CC21L1	Data Structures Lab	PC	15	35	50	0	0	3	1.5	
7	R20CC21L2	OOPs through Java Lab	PC	15	35	50	0	0	3	1.5	
8	R20CC21L3	Front End Web Technologies Lab	ES	15	35	50	0	0	3	1.5	
9	R20CC21SC1	Data Science Tools	SOC	-	50	50	1	0	2	2	
10	R20CCMC2	Constitution of India	MC	-	-	-	2	0	0	0	
							PRINCIPAL 				21.5


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II B.TECH – II SEMESTER

S.No.	Subject Code	SUBJECT	Cat. Code	INTERNAL MARKS	EXTERNAL MARKS	TOTAL MARKS	L	T	P	CREDITS
1	R20CC2201	Technical and Communicative English -II	HS	30	70	100	3	0	0	3
2	R20CC2203	Database Management Systems	PC	30	70	100	3	0	0	3
3	R20CC2204	Software Engineering	PC	30	70	100	3	0	0	3
4	R20IT2202	Design Analysis of Algorithms	PC	30	70	100	3	0	0	3
5	R20IT2205	Computer Networks	OE	30	70	100	3	0	0	3
6	R20CC22L1	Database Management Systems Lab	PC	15	35	50	0	0	3	1.5
7	R20CC22L2	Mobile Application Development Lab	PC	15	35	50	0	0	3	1.5
8	R20IT22L3	SE and UML Lab	PC	15	35	50	0	0	3	1.5
9	R20CC22SC2	Artificial Intelligence Tools	SOC	-	50	50	1	0	2	2
TOTAL										21.5





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S.No	Subject Code	SUBJECT	Cat. Code	INTERNAL MARKS	EXTERNAL MARKS	TOTAL MARKS	L	T	P	CREDITS		
1	19BC15TH01	Operating Systems	PC	40	60	100	3	-	-	3		
2	19BIT5TH03	Design and Analysis of Algorithms	PC	40	60	100	3	-	-	3		
3	19BIT5TH04	Software Engineering	PC	40	60	100	3	-	-	3		
4	19BIT5TH05	Cryptography and Network Security	PC	40	60	100	3	-	-	3		
5	19BIT5TH08	Web Development Using MEAN Stack	PC	40	60	100	3	-	-	3		
6	19BC15TH06 19BC15TH02 19BIT5TH09 19BC15TH07	<u>Professional Elective – I</u> a. Data warehousing and Data Mining. b. Compiler Design c. Software Requirements & Estimation d. Microprocessors and Multicore systems	PE	40	60	100	3	-	-	3		
		7	19BIT5LB01	Mobile Application Development Lab	PC	20	30	50	-	1	2	2
		8	19BIT5LB02	Web Development Using MEAN Stack Lab	PC	20	30	50	-	-	2	1
		9	19BIT5LB03	Professional Elective – I Lab	HS	20	30	50	-	-	2	1
10	19BIT5LB04	UML Lab	PC	20	30	50	-	1	2	2		
11	19BCC5MC01	Advanced Communication Skills	MC	-	-	-	3	-	-	0		
TOTAL										24		




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S.No	Subject Code	SUBJECT	Cat. Code	INTERNAL MARKS	EXTERNAL MARKS	TOTAL MARKS	L	T	P	CREDITS
1	19BIT6TH02	Artificial Intelligence and Machine Learning	ES	40	60	100	3	-	-	3
2	19BIT6TH03	Block chain Technologies	PC	40	60	100	3	-	-	3
3	19BCC6TH01	Entrepreneurship and Innovation	HS	40	60	100	2	-	-	2
4	Open Elective - II		OE	40	60	100	3	-	-	3
5	19BIT6PE04	Professional Elective - II a. Big Data Analytics b. Computer Graphics c. Software Project Management d. Advanced Computer Architecture	PE	40	60	100	3	-	-	3
	19BIT6PE05									
	19BIT6PE06									
	19BIT6PE07									
6	19BIT6LB01	AI and ML Lab	ES	20	30	50	-	-	3	1.5
7	19BIT6LB02	P E - II Lab	PC	20	30	50	-	-	2	1
8	19BIT6LB03	R Programming Lab		20	30	50	-	1	2	2
9	19BIT6MP01	Mini Project	PR	20	30	50	-	-	2	1
TOTAL										19.5




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II B.TECH - I SEMESTER

S.No	Subject Code	SUBJECT	Cat. Code	INTERNAL MARKS	EXTERNAL MARKS	TOTAL MARKS	L	T	P	CREDIT S
1	R20CC2102	Mathematical Foundations of Computer Science	BS	30	70	100	2	1	0	3
2	R20CC2103	OOPs through Java	PC	30	70	100	3	0	0	3
3	R20CC2104	Data Structures	PC	30	70	100	3	0	0	3
4	R20AI2101	Data Science	PC	30	70	100	3	0	0	3
5	R20CC2105	Front End Web Technologies	PC	30	70	100	3	0	0	3
6	R20CC21L1	Data Structures Lab	PC	15	35	50	0	0	3	1.5
7	R20CC21L2	OOPs through Java Lab	PC	15	35	50	0	0	3	1.5
8	R20CC21L3	Front End Web Technologies Lab	ES	15	35	50	0	0	3	1.5
9	R20CC21SC1	Data Science Tools	SOC	-	50	50	1	0	2	2
10	R20CCMC2	Constitution of India	MC	-	-	-	2	0	0	0
										21.5




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II B.TECH – II SEMESTER

S.No.	Subject Code	SUBJECT	Cat. Code	INTERNAL MARKS	EXTERNAL MARKS	TOTAL MARKS	L	T	P	CREDITS
1	R20CC2201	Technical and Communicative English -II	HS	30	70	100	3	0	0	3
2	R20CC2203	Database Management Systems	PC	30	70	100	3	0	0	3
3	R20AI2202	Automata and Compiler Design	PC	30	70	100	3	0	0	3
4	R20CC2204	Software Engineering	PC	30	70	100	3	0	0	3
5	R20AI2205	Introduction to Artificial Intelligence	PC	30	70	100	3	0	0	3
6	R20CC22L1	Database Management Systems Lab	PC	15	35	50	0	0	3	1.5
7	R20CS22L2	Mobile Application Development Lab	PC	15	35	50	0	0	3	1.5
8	R20AI22L3	AI Lab	PC	15	35	50	0	0	3	1.5
9	R20CC22SC2	IOT	SOC	-	50	50	1	0	2	2
TOTAL										21.5

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