1.1.3 - Number of courses focusing on employability/entrepreneurship/ skill development offered by the Institution during the year



SRI INDU COLLEGE OF ENGINEERING & TECHNOLOGY

(AUTONOMOUS INSTITUTION UNDER UGC, NEW DELHI) ACCREDITED BY NBA & NAAC APPROVED BY AICTE, NEW DELHI, AFFILIATED TO JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, HYDERABAD SHERIGUDA(V), IBRAHIMPATNAM(M), R.R.DIST. – 501 510. TELANGANA

Department of Civil Engineering

(An Autonomous Institution under UGC, New Delhi)

Choice Based Credit System (CBCS)

REGULATIONS – BR20

B. Tech. - CIVIL ENGINEERING

(Common to ME & CIVIL)

I YEAR I SEMESTER

COURSE STRUCTURE

S. No.	Course Code	Course Title	L	Т	Р	Credits
1	R20MTH1101	Mathematics – I	_		_	
-	1 120101111101	(Linear Algebra and Calculus)	3	1	0	4
2	R20EPH1101	Engineering Physics	3	1	0	4
3	R20CSE1101	Programming for Problem Solving	3	1	0	4
4	R20MED1102	Engineering Graphics	1	0	4	3
5	R20EPH11L1	Engineering Physics Lab	0	0	3	1.5
6	R20CSE11L2	Programming for Problem Solving Lab	0	0	3	1.5
7	R20HAS1102	Environmental Science	3	0	0	0
8	R20IPG1101	Induction Programme for Three Weeks	0	0	0	0
		Total Credits	13	3	10	18

I YEAR II SEMESTER

COURSE STRUCTURE

S. No.	Course Code	Course Title	L	Т	Р	Credits
1	R20MTH1201	Mathematics – II	2	1	0	
		(Advanced Calculus)	3	1	0	4
2	R20ECH1101	Chemistry	3	1	0	4
3	R20MED1103	Engineering Mechanics	3	1	0	4
4	R20MED1101	Engineering Workshop	1	0	3	2.5
5	R20HAS1101	English	2	0	0	2
6	R20ECH11L1	Engineering Chemistry Lab	0	0	3	1.5
7	R20HAS11L2	English Language and Communication Skills Lab	0	0	2	1
8	R20COI1101	Constitution of India	3	0	0	0
9	R20ITK1101	Essence of Indian Traditional Knowledge	3	0	0	0
		Total Credits	18	3	8	19



Sti Indu College of Engineering and Technology (VIII): SHEMGUDA-501 540, Ibrahimpatnem(M), R.R.Dist.

(An Autonomous Institution under UGC, New Delhi)

Choice Based Credit System (CBCS)

REGULATIONS – BR20

B. Tech. CIVIL ENGINEERING

II YEAR I SEMESTER

COURSE STRUCTURE

S. No.	Course Code	Course Title	L	т	Ρ	Credits
1	R20CIV2101	Surveying & Geomatics	3	0	0	3
2	R20MED2105	Hydraulics and Hydraulic Machinery	3	0	0	3
3	R20CIV2102	Strength of Materials-I	3	0	0	3
4	R20MTH2101	Probability Distributions and Statistical Methods	3	1	0	4
5	R20MED2106	Fluid Mechanics	3	0	0	3
6	R20CIV21L1	Surveying Lab	1	0	3	2
7	R20CIV21L2	Strength of Materials Lab	0	0	3	1.5
8	R20MED21L4	Hydraulics & Hydraulic Machinery Lab	0	0	3	1.5
9	R20MAC2100	Gender Sensitization Lab (An Activity-based Course)	0	0	2	0
		Total Credits	16	1	11	21

II YEAR II SEMESTER

COURSE STRUCTURE

S.No	Course Code	Course Title	L	Т	Ρ	Credits
1	R20EEE2204	Basics of Electrical & Electronics Engineering	3	0	0	3
2	R20CIV2201	Building Materials, Construction and Planning	3	0	0	3
3	R20CIV2202	Strength of Materials-II	3	1	0	4
4	R20CIV2203	Structural Analysis -I	3	1	0	4
5	R20CIV2204	Engineering Geology	3	0	0	3
6	R20CIV22L1	Computer aided Civil Engineering Drawing	0	0	3	1.5
7	R20CIV22L2	Engineering Geology lab	0	0	3	1.5
8	R20EEE22L3	Electrical & Electronics Lab	0	0	2	1
9	R20MAC2200	Intellectual Property Rights	3	0	0	0
		Total Credits	18	2	8	21



neering and Technolog (VIII): SHERIGUDA-501 510. Ibrahimpatnem(M), R.R.Dist.

SRI INDU COLLEGE OF ENGINEERING & TECHNOLOGY (An Autonomous Institution under UGC, New Delhi) Choice Based Credit System (CBCS)

REGULATIONS – BR20

B. Tech. CIVIL ENGINEERING

III YEAR I SEMESTER

COURSE STRUCTURE

S. No.	Course Code	Course Title	L	т	P/D	Credits
1	R20CIV3101	Structural Analysis-II	3	1	0	4
2	R20CIV3102	Geotechnical Engineering	3	1	0	4
3	R20CIV3103	Structural Engineering –I(RCC)	3	1	0	4
4	R20CIV3104	Transportation Engineering-I	3	1	0	4
		Professional Elective-I				
	R20CIV3111	Concrete Technology				
_	R20MBA3112	Management Fundamentals for Engineers	~	~	•	0
5	R20CIV3113	Basics of Mechanical Engineering	3	0	0	3
	R20MAC3100	MOOCs-I				
6	R20CIV31L1	Highway Engineering and Concrete Technology Lab	0	0	2	1
7	R20CIV31L2	Geotechnical Engineering Lab	0	0	2	1
8	R20HAS31L1	Advanced Communication Skills Lab	0	0	2	1
9	R20CSE3124	Cyber Security	3	0	0	0
		Total Credits	18	4	6	22
III	YEAR II SEME	STER COURS	SE S	TRU	CTUR	E
S. No	Course Code	Course Title	L	T	P	Credits
1	R20CIV3201	Hydrology & Water Resources Engineering	3	1	0	4
2	R20CIV3202	Environmental Engineering	3	0	0	3
3	R20MBA3201	Engineering Economics & Accounting	3	0	0	3
4	R20CIV3203	Structural Engineering –II(Steel)	3	1	0	4
		Professional Elective –II				
	R20CIV3221	Prestressed Concrete Structures				
5	R20CIV3222	Elements of Earth Quake Engineering	3	0	0	3
5	R20CIV3223	Finite Element Analysis	5		0	5
	R20MAC3200	MOOCs-II				
6		Open Elective –I	3	0	0	3
7	R20CIV32L1	Environmental Engineering Lab	0	0	2	1
~		Computer Aided Design Lab			2	1
8	R20CIV32L2	Computer Aided Design Lab	0	0	2	1

*MC - Environmental Science – Should be Registered by Lateral Entry Students Only.



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SRI INDU COLLEGE OF ENGINEERING & TECHNOLOGY (An Autonomous Institution under UGC, New Delhi) Choice Based Credit System (CBCS)

REGULATIONS – BR20

B. Tech. CIVIL ENGINEERING

IV YEAR I SEMESTER

COURSE STRUCTURE

S. No.	Course Code	Course Title	L	Т	Ρ	Credits			
1	R20CIV4101	Estimation, Costing and Project Management	3	1	0	4			
2	R20CIV4102	Transportation Engineering-II	3	1	0	4			
Professional Elective –III									
	R20CIV4131	Remote Sensing & GIS							
3	R20CIV4132	Ground Improvement Techniques	3	0	0	3			
	R20CIV4133	Advance Structural Analysis							
Professional Elective –IV									
	R20CIV4141	Irrigation and Hydraulic Structures							
4	R20CIV4142	Theory of Elasticity	3	0	0	3			
	R20CIV4143	Ground water Hydrology							
5		Open Elective –II	3	0	0	3			
6	R20CIV41P1	Industrial Oriented Mini Project/ Summer Internship	0	0	0	2*			
7	R20CIV41L1	Seminar	0	0	2	1			
8	R20CIV41P2	Comprehensive Viva-voce	0	0	2	1			
* -		Total Credits	15	2	4	21			

 * To be carried out during the summer vacation between 6th and 7th semesters.

Note: Students should submit report of Industrial Oriented Mini Project/ Summer Internship for evaluation.

IV YEAR II SEMESTER

COURSE STRUCTURE

S. No.	Course Code	Course Title	L	т	Р	Credits		
Professional Elective -V								
	R20CIV4251	Foundation Engineering						
1	R20CIV4252	Environmental Impact Assessment	3	0	0	3		
	R20CIV4253	Air pollution						
Professional Elective –VI								
	R20CIV4261	Airports, railways and water ways						
2	R20CIV4262	Intelligent Transportation Systems	3	0	0	3		
	R20CIV4263	Urban Transportation Planning						
3		Open Elective –III	3	0	0	3		
4	R20CIV42P1	Project Work	0	0	14	7		
		Total Credits	9	0	14	16		



neering and Technolog (VIII): SHERIGUDA-501 510. Ibrahimpathem(M), R.R.Dist

LIST OF OPEN ELECTIVES

Open Elective – I

S. No.	Course Code	Course Title	L	Т	Р	Credits
1	R20CIV3271	Disaster Management & Mitigation				
2	R20CSE3272	Database Concepts				
3	R20ECE3273	Consumer Electronics				
4	R20EEE3274	Electrical Estimation & Costing				
5	R20INF3275	Information Technology Essentials	3	0	0	3
6	R20MED3276	Introduction to Robotics				
7	R20HMS3277	Fundamentals of Entrepreneurship				
8	R20HMS3278	Day to Day Biology				
9.	R20CIV3272	Building Architecture				

Open Elective –II

S. No.	Course Code	Course Title	L	Т	Р	Credits
1	R20CIV4181	Green Building Engineering				
2	R20CSE4182	Cyber Security Fundamentals				
3	R20ECE4183	Principles of Modern Communication Systems				
4	R20EEE4184	Illumination Engineering				
5	R20INF4185	E-Commerce	3	•	0	3
6	R20MED4186	Industrial Design & Ergonomics	3	0	U	3
7	R20HMS4187	Creative Writing				
8	R20HMS4188	Design Thinking				
9.	R20CIV4182	Pre Fabricated Structures				
10		MOOCs – III				

Open Elective –III

S. No.	Course Code	Course Title	L	Т	Р	Credits
1	R20CIV4291	Spatial Technology Concepts				
2	R20CSE4292	Fundamentals of Soft Computing				
3	R20ECE4293	Audio & Video Engineering			0	
4	R20EEE4294	Non Conventional Energy Resources				
5	R20INF4295	Information Security Fundamentals	3	0		3
6	R20MED4296	Total Engineering Quality Management	3	U	U	3
7	R20HMS4297	Human Values & Professional Ethics for Engineers				
8	R20HMS4298	Science Fiction				
9	R20CIV4292	Building Infrastructure Auditing				
10		MOOCs - IV				



Sri Indu College of Engineering and Technology (VIII): SHENGUDA-501 540, Ibrahimpatnem(M), R.R.Dist

Department of EEE

(An Autonomous Institution under UGC, New Delhi)

Choice Based Credit System (CBCS)

REGULATIONS – BR20

B. Tech. ELECTRICAL & ELECTRONICS ENGINEERING

Common to EEE, CSE & IT

I YEAR I SEMESTER

COURSE STRUCTURE

S. No.	Course Code	Course Title	L	Т	Р	Credits
1	1 R20MTH1101	Mathematics – I				
1	K201/1111101	(Linear Algebra and Calculus)	3	1	0	4
2	R20ECH1101	Chemistry	3	1	0	4
3	R20EEE1101	Basic Electrical Engineering	3	0	0	3
4	R20MED1101	Engineering Workshop	1	0	3	2.5
5	R20HAS1101	English	2	0	0	2
6	R20ECH11L1	Engineering Chemistry Lab	0	0	3	1.5
7	R20HAS11L2	English Language and Communication Skills				
/	K20HA511L2	lab	0	0	2	1
8	R20EEE11L3	Basic Electrical Engineering Lab	0	0	2	1
9	R20HAS1102	Environmental Science	3	0	0	0
10	R20IPG1101	Induction Programme for Three Weeks	0	0	0	0
	Total Credits				10	19

I YEAR II SEMESTER

COURSE STRUCTURE

S. No.	Course Code	Course Title	L	Т	Р	Credits
1	D201/1711/201	Mathematics – II				
1	R20MTH1201	(Advanced Calculus)	3	1	0	4
2	R20EAP1201	Applied Physics	3	1	0	4
3	R20CSE1101	Programming for Problem Solving	3	1	0	4
4	R20MED1102	Engineering Graphics	1	0	4	3
5	R20EAP12L1	Applied Physics Lab	0	0	3	1.5
6	R20CSE11L2	Programming for Problem Solving Lab	0	0	3	1.5
7	R20COI1101	Constitution of India	3	0	0	0
8	R20ITK1101	Essence of Indian Traditional Knowledge	3	0	0	0
		16	3	10	18	



Si kada (eering and Technology (VIII): SHERIGUDA-501 510, Ibrahimpatnem(M), R.R.Dist.

(An Autonomous Institution under UGC, New Delhi)

Choice Based Credit System (CBCS)

REGULATIONS – BR20

B. Tech. ELECTRICAL & ELECTRONICS ENGINEERING

II YEAR I SEMESTER

COURSE STRUCTURE

S. No.	Course Code	Course Title	L	Т	Р	Credits
1	R20MED2203	Fluid Mechanics & Hydraulic Machines	3	1	0	4
2	R20EEE2101	Electrical Circuit Analysis	3	1	0	4
3	R20ECE2105	Analog Electronics	3	0	0	3
4	R20EEE2102	Electrical Machines-I	3	1	0	4
5	R20EEE2103	Electro Magnetic Fields	3	0	0	3
6	R20EEE21L1	Electrical Machines Lab-I	0	0	2	1
7	R20ECE21L4	Analog Electronics Lab	0	0	2	1
8	R20EEE21L2	Electrical Circuits Lab	0	0	2	1
9	R20MAC2100	Gender Sensitization Lab (An Activity-based	0	0	2	0
,		Course)				
		Total Credits	15	3	8	21

II YEAR II SEMESTER

COURSE STRUCTURE

S.No	Course Code	Course Title	L	Т	Р	Credits
1	R20MTH2201	Laplace Transforms , Numerical Methods & Complex variables	3	1	0	4
2	R20EEE2201	Electrical Machines – II	3	1	0	4
3	R20ECE2102	Digital Logic Design	3	0	0	3
4	R20EEE2202	Control Systems	3	1	0	4
5	R20EEE2203	Power System-I	3	0	0	3
6	R20ECE21L2	Digital Logic Design Lab	0	0	2	1
7	R20EEE22L1	Electrical Machines Lab-II	0	0	2	1
8	R20EEE22L2	Control Systems Lab	0	0	2	1
9	R20MAC2200	Intellectual Property Rights	3	0	0	0
		Total Credits	18	3	6	21



Sri Indu College of Engineering and Technology (Viii): SHEMGUDA-501 540, Ibrahimpathem(M), R.R.Dist.

(An Autonomous Institution under UGC, New Delhi)

Choice Based Credit System (CBCS)

REGULATIONS – BR20

B. Tech. ELECTRICAL & ELECTRONICS ENGINEERING

III YEAR I SEMESTER

COURSE STRUCTURE

S.	Course Code	Course Title	L	Т	Р	Credits		
No.	Course Coue	Course Thie	L	L	I	Creatis		
1	R20EEE3101	Power Electronics	3	1	0	4		
2	R20EEE3102	Power System-II	3	1	0	4		
3	R20EEE3103	Measurements and Instrumentation	3	1	0	4		
Professional Elective-I								
	R20CSE3164	Computer Architecture		0		3		
4	R20EEE3111	HighVoltage Engineering	3		0			
4	R20EEE3112	Electric Machine Design	3					
	R20MAC3100	MOOCs-I						
5	R20MBA2201	Business Economics & Financial Analysis	3	0	0	3		
6	R20EEE31L1	Power System Simulation Lab	0	0	2	1		
7	R20EEE31L2	Power Electronics Lab	0	0	2	1		
8	R20EEE31L3	Measurements and Instrumentation Lab	0	0	2	1		
9	R20HAS31L1	Advanced Communication Skills Lab	0	0	2	1		
		Total Credits	15	3	8	22		

III YEAR II SEMESTER

COURSE STRUCTURE

S. No	Course Code	Course Title	L	Т	Р	Credits				
1		Open Elective-I	3	0	0	3				
	Professional Elective-II									
	R20ECE3202	Digital signal processing								
2	R20EEE3221	Power Semiconductor Drives	3	0	0	3				
2	R20EEE3222	Wind and Solar Energy systems	5	0	0	5				
	R20MAC3200	MOOCs-II								
3	R20ECE2103	Signals and Systems	2	1	0	3				
4	R20ECE3101	Microprocessors & Microcontrollers	3	0	0	3				
5	R20EEE3201	Power System Protection	3	1	0	4				
6	R20EEE3202	Power System Operation and Control	3	0	0	3				
7	R20EEE32L1	Power System Lab	0	0	2	1				
8	R20ECE31L1	Microprocessors & Microcontrollers Lab	0	0	2	1				
9	R20ECE32L4	Signals and Systems Lab	0	0	2	1				
		Total Credits	17	2	6	22				



Sri Indu College of Engineering and Technology (VIII): SHENIGUDA-501 540, Ibrahimpatnem(M), R.R.Dist.

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Choice Based Credit System (CBCS)

REGULATIONS – BR20

B. Tech. ELECTRICAL & ELECTRONICS ENGINEERING

IV YEAR I SEMESTER COURSE STRUCTURE S. No. **Course Code Course Title** Credits L Т Р **Open Elective-II** 3 0 3 1 0 **Professional Elective-III** Digital Control systems R20EEE4131 **Optimization Techniques** 0 2 R20EEE4132 3 0 3 R20EEE4133 Electrical and Hybrid Vehicles **Professional Elective-IV** HVDC Transmission R20EEE4141 R20EEE4142 Power System Reliability 3 1 0 3 4 R20EEE4143 Industrial Electrical Systems 4 R20MBA4101 Fundamentals of Management for Engineers 3 0 0 3 Electrical & Electronics Design Lab 5 R20EEE41L1 0 0 3 1.5 R20EEE41L2 **Technical Seminar** 0 0 3 1.5 6 Industrial Oriented Mini Project/ Summer 7 0 2 R20EEE41P1 0 4 Internship 8 R20EEE41P2 Comprehensive Viva-voce 0 0 3 6 12 **Total Credits** 1 16 21

* To be carried out during the summer vacation between 6th and 7th semesters.

Note: Students should submit report of Industrial Oriented Mini Project/ Summer Internship for evaluation.

IV YEAR II SEMESTER

COURSE STRUCTURE

S. No.	Course Code	Course Title	L	Т	Р	Credits
1		Open Elective-III	3	0	0	3
		Professional Elective-V				
	R20EEE4251	Power Quality & FACTS				
2	R20EEE4252	Control System Design	3	0	0	3
	R20CSE4265	AI Techniques in Electrical Engineering				
		Professional Elective-VI				
	R20EEE4261	Smart Grid Technologies				
3	R20EEE4262	Electrical Distribution Systems	3	0	0	3
	R20EEE4263	Advanced Control of Electric Drives				
4	R20EEE42P1	Project Work	0	0	14	7
		Total Credits	9	0	14	16

*MC – Satisfied/Unsatisfied



FI Indu College of Engineering and Technology (Vill): SHENGUDA-501 540, Ibrahimpatnem(M), R.R.Dist.

LIST OF OPEN ELECTIVES

Open Elective – I

S. No.	Course Code	Course Title	L	Т	Р	Credits
1	R20CIV3271	Disaster Management & Mitigation				
2	R20CSE3272	Database Concepts			0	
3	R20ECE3273	Consumer Electronics		0		3
4	R20EEE3274	Electrical Estimation & Costing				
5	R20INF3275	Information Technology Essentials	3			
6	R20MED3276	Introduction to Robotics				
7	R20HMS3277	Fundamentals of Entrepreneurship	-			
8	R20HMS3278	Day to Day Biology				
9.	R20CIV3272	Building Architecture				

Open Elective –II

S. No.	Course Code	Course Title	L	Т	Р	Credits
1	R20CIV4181	Green Building Engineering				
2	R20CSE4182	Cyber Security Fundamentals			0	
3	R20ECE4183	Principles of Modern Communication Systems				2
4	R20EEE4184	Illumination Engineering				
5	R20INF4185	E-Commerce	,			
6	R20MED4186	Industrial Design & Ergonomics	- 3	0		3
7	R20HMS4187	Creative Writing				
8	R20HMS4188	Design Thinking				
9.	R20CIV4182	Pre Fabricated Structures				
10		MOOCs – III				

Open Elective –III

S. No.	Course Code	Course Title	L	Т	Р	Credits
1	R20CIV4291	Spatial Technology Concepts			0	
2	R20CSE4292	Fundamentals of Soft Computing				3
3	R20ECE4293	Audio & Video Engineering		0		
4	R20EEE4294	Non Conventional Energy Resources				
5	R20INF4295	Information Security Fundamentals	3			
6	R20MED4296	Total Engineering Quality Management	3			3
7	R20HMS4297	Human Values & Professional Ethics for Engineers				
8	R20HMS4298	Science Fiction				
9	R20CIV4292	Building Infrastructure Auditing				
10		MOOCs - IV				



INCIPAL Sri Indu Col the of Engineering and Technology (VIII): SHENGUDA-501 540, Ibrahimpatnem(M), R.R.Dist.

Department of Mechanical Engineering

(An Autonomous Institution under UGC, New Delhi)

Choice Based Credit System (CBCS)

REGULATIONS – BR20

B. Tech. Mechanical ENGINEERING (Common to ME & CIVIL)

I YEAR I SEMESTER

COURSE STRUCTURE

S. No.	Course Code	Course Title	L	Т	Р	Credits
1	R20MTH1101	Mathematics – I	2	1	0	4
2	R20EPH1101	(Linear Algebra and Calculus)	3	1 1	0	4
		Engineering Physics	-	1	•	4
3	R20CSE1101	Programming for Problem Solving	3	1	0	4
4	R20MED1102	Engineering Graphics	1	0	4	3
5	R20EPH11L1	Engineering Physics Lab	0	0	3	1.5
6	R20CSE11L2	Programming for Problem Solving Lab	0	0	3	1.5
7	R20HAS1102	Environmental Science	3	0	0	0
8	R20IPG1101	Induction Programme for Three Weeks	0	0	0	0
		Total Credits	13	3	10	18

I VEAR II SEMESTER

	I YEAR II SEMESTER COURSE S				RE	
S. No.	Course Code	Course Title	L	Т	Р	Credits
1	R20MTH1201	Mathematics – II (Advanced Calculus)	3	1	0	4
2	R20ECH1101	Chemistry	3	1	0	4
3	R20MED1103	Engineering Mechanics	3	1	0	4
4	R20MED1101	Engineering Workshop	1	0	3	2.5
5	R20HAS1101	English	2	0	0	2
6	R20ECH11L1	Engineering Chemistry Lab	0	0	3	1.5
7	R20HAS11L2	English Language and Communication Skills Lab	0	0	2	1
8	R20COI1101	Constitution of India	3	0	0	0
9	R20ITK1101	Essence of Indian Traditional Knowledge	3	0	0	0
		Total Credits	18	3	8	19



Sri Indu (of Engineering and Technology (VIII): SHEMGUDA-501 510, Ibrahimpatnem(M), R.R.Dist.

(An Autonomous Institution under UGC, New Delhi)

Choice Based Credit System (CBCS)

REGULATIONS – BR20

B. Tech. Mechanical ENGINEERING

II YEAR I SEMESTER

COURSE STRUCTURE

S. No.	Course Code	Course Title	L	Т	Р	Credits
1	R20MTH2102	Probability Distribution & Complex Variables	3	1	0	4
2	R20MED2101	Mechanics of Solids	3	1	0	4
3	R20MED2102	Material Science & Metallurgy	3	0	0	3
4	R20MED2103	Production Technology	3	0	0	3
5	R20MED2104	Thermodynamics	3	1	0	4
6	R20MED21L1	Production Technology Lab	0	0	2	1
7	R20MED21L2	Machine Drawing Practice	0	0	2	1
8	R20MED21L3	Material Science & Mechanics of Solids Lab	0	0	2	1
9	R20MAC2100	Gender Sensitization Lab (An Activity-based Course)	0	0	2	0
		Total Credits	15	3	8	21

II YEAR II SEMESTER

COURSE STRUCTURE

S.No	Course Code	Course Title	L	Т	Р	Credits
1	R20EEE2204	Basics of Electrical & Electronics Engineering	3	0	0	3
2	R20MED2201	Kinematics of Machinery	3	1	0	4
3	R20MED2202	Thermal Engineering-I	3	1	0	4
4	R20MED2203	Fluid Mechanics & Hydraulic Machines	3	1	0	4
5	R20MED2204	Instrumentation & Control Systems	3	0	0	3
6	R20EEE22L3	Electrical & Electronics Lab	0	0	2	1
7	R20MED22L1	Fluid Mechanics & Hydraulic Machines Lab	0	0	2	1
8	R20MED22L2	Instrumentation & Control Systems Lab	0	0	2	1
9	R20MAC2200	Intellectual Property Rights	3	0	0	0
		Total Credits	18	3	6	21



eering and Technology (VIN): SHEMGUDA-501 510, Ibrahimpatnem(M), R.R.Dist.

(An Autonomous Institution under UGC, New Delhi)

Choice Based Credit System (CBCS)

REGULATIONS – BR20

B. Tech. MECHANICAL ENGINEERING

III YEAR I SEMESTER

COURSE STRUCTURE

S. No.	Course Code	Course Title	L	Т	Р	Credits
1	R20MED3101	Dynamics of Machinery	3	1	0	4
2	R20MED3102	Design of Machine Members-I	3	0	0	3
3	R20MED3103	Metrology & Machine Tools	3	0	0	3
4	R20MBA2201	Business Economics & Financial Analysis	3	0	0	3
5	R20MED3104	Thermal Engineering-II	3	0	0	3
6	R20MTH3101	Operations Research	3	0	0	3
7	R20MED31L1	Thermal Engineering Lab	0	0	2	1
8	R20MED31L2	Metrology & Machine Tools Lab	0	0	2	1
9	R20MED31L3	Kinematics & Dynamics Lab	0	0	2	1
10	R20MAC3100	MOOCs-I	0	0	2	0
11	R20CSE3124	Cyber Security	3	0	0	0
		Total Credits	21	1	8	22

III YEAR II SEMESTER

COURSE STRUCTURE

		COURSE	COURSE STRUCTURE						
S. No	Course Code	Course Title	L	Т	Р	Credits			
1	R20MED3201	Design of Machine Members-II	3	0	0	3			
2	R20MED3202	Heat Transfer	3	1	0	4			
3	R20MED3203	CAD & CAM	3	0	0	3			
	Professional Elective – I								
	R20MED3211	Unconventional Machining Processes							
4	R20MED3212	Machine Tool Design	3	0	0	3			
-	R20MED3213	Production Planning & Control	5			5			
	R20MAC3200	MOOCs-II							
5		Open Elective – I	3	0	0	3			
6	R20MED3204	Finite Element Methods	3	0	0	3			
7	R20MED32L1	Heat Transfer Lab	0	0	2	1			
8	R20MED32L2	CAD & CAM Lab	0	0	2	1			
9	R20HAS31L1	Advanced Communication Skills lab	0	0	2	1			
		Total Credits	18	1	8	22			



Sri Indu Ca the of Engineering and Technology (VIII): SHEMGUDA-501 510, Ibrahimpatnem(M), R.R.Dist.

(An Autonomous Institution under UGC, New Delhi)

Choice Based Credit System (CBCS)

REGULATIONS – BR20

B. Tech. MECHANICAL ENGINEERING

IV YEAR I SEMESTER

COURSE STRUCTURE

S. No.	Course Code	Course Title	L	Т	Р	Credits
1	R20MED4101	Refrigeration & Air Conditioning	3	1	0	4
		Professional Elective – II				
	R20MED4121	Additive Manufacturing				
2	R20MED4122	Automation in Manufacturing	3	0	0	3
	R20MED4123	Micro Electro Mechanical Systems (MEMS)				
		Professional Elective – III				
	R20MED4131	Power Plant Engineering				
3	R20MED4132	Automobile Engineering	3	1	0	4
	R20MED4133	Renewable Energy Sources				
		Professional Elective – IV				
	R20MED4141	Computational Fluid Dynamics				
4	R20MED4142	Turbo Machinery	3	0	0	3
	R20MED4143	Fluid Power Systems				
5		Open Elective - II	3	0	0	3
6	R20MED41L1	Technical Seminar	0	0	2	1
7	R20MED41P2	Comprehensive Viva-voce	0	0	2	1
8	R20MED41P1	Industrial Oriented Mini Project/ Summer	0	0	0	2*
0		Internship				
		Total Credits	15	2	4	21

* To be carried out during the summer vacation between 6th and 7th semesters.

Note: Students should submit report of Industrial Oriented Mini Project/ Summer Internship for valuation.

IV YEAR II SEMESTER

COURSE STRUCTURE

	COURSESTRUCTURE								
Course Code	Course Title	L	Т	Р	Credits				
Professional Elective – V									
R20MED4251	Industrial Robotics								
R20MED4252	Mechanical Vibrations	3	0	0	3				
R20MED4253	Composite Materials								
	Professional Elective – VI								
R20MED4261	Industrial Management								
R20MED4262	Production Operation and Management	3	0	0	3				
R20MED4263	Nanotechnology & Application								
	Open Elective - III	3	0	0	3				
R20ECE42P1	Project Work	0	0	14	7				
	Total Credits	9	0	14	16				
	Course Code R20MED4251 R20MED4252 R20MED4253 R20MED4263 R20MED4261 R20MED4262 R20MED4263	Course CodeCourse TitleProfessional Elective – VR20MED4251Industrial RoboticsR20MED4252Mechanical VibrationsR20MED4253Composite MaterialsProfessional Elective – VIR20MED4261Industrial ManagementR20MED4262Production Operation and ManagementR20MED4263Nanotechnology & ApplicationQpen Elective - IIIOpen Elective - IIIR20ECE42P1Project Work	Course CodeCourse TitleLProfessional Elective – VR20MED4251Industrial RoboticsR20MED4252Mechanical VibrationsR20MED4253Composite MaterialsOrfessional Elective – VIR20MED4261Industrial ManagementR20MED4262Production Operation and ManagementR20MED4263Nanotechnology & ApplicationSame Colspan="2">Same Colspan="2">3R20MED4263Production Operation and ManagementR20MED4264Production Operation and ManagementR20MED4265Nanotechnology & ApplicationSame Colspan="2">Open Elective – IIISame Colspan="2">Same Colspan="2">3R20ECE42P1Project WorkOpen Elective – IIISame Colspan="2">3	Course CodeCourse TitleLTProfessional Elective – VR20MED4251Industrial Robotics30R20MED4252Mechanical Vibrations30R20MED4253Composite Materials30Professional Elective – VIR20MED4261Industrial Management30R20MED4262Production Operation and Management30R20MED4263Nanotechnology & Application30R20MED4264Project Work00	Course CodeCourse TitleLTPProfessional Elective – VR20MED4251Industrial Robotics300R20MED4252Mechanical Vibrations300R20MED4253Composite Materials300Professional Elective – VIR20MED4261Industrial Management300R20MED4262Production Operation and Management300R20MED4263Nanotechnology & Application300R20MED4264Project Work0014				

*MC – Satisfied/Unsatisfied

LIST OF OPEN ELECTIVES

Open Elective – I

S. No.	Course Code	Course Title	L	Т	Р	Credits
1	R20CIV3271	Disaster Management & Mitigation				
2	R20CSE3272	Database Concepts			0	
3	R20ECE3273	Consumer Electronics				
4	R20EEE3274	Electrical Estimation & Costing	2	0		3
5	R20INF3275	Information Technology Essentials	3	U	U	5
6	R20MED3276	Introduction to Robotics				
7	R20HMS3277	Fundamentals of Entrepreneurship				
8	R20HMS3278	Day to Day Biology				

Open Elective –II

S. No.	Course Code	Course Title	L	Т	Р	Credits
1	R20CIV4181	Green Building Engineering				3
2	R20CSE4182	Cyber Security Fundamentals			0	
3	R20ECE4183	Principles of Modern Communication				
4	R20EEE4184	Systems				
4	K2UEEE4184	Illumination Engineering	3	0		
5	R20INF4185	E-Commerce	5			
6	R20MED4186	Industrial Design & Ergonomics				
7	R20HMS4187	Creative Writing				
8	R20HMS4188	Design Thinking				
9.		MOOC - III				

Open Elective –III

S. No.	Course Code	Course Title	L	Т	Р	Credits
1	R20CIV4293	Remote Sensing Concepts				3
2	R20CSE4292	Fundamentals of Soft Computing			0	
3	R20ECE4293	Audio & Video Engineering		0		
4	R20EEE4294	Non Conventional Energy Resources				
5	R20INF4295	Information Security Fundamentals	3			
6	R20MED4296	Total Engineering Quality Management	5	U		
7	R20HMS4297	Human Values & Professional Ethics for				
		Engineers				
8	R20HMS4298	Science Fiction				
9		MOOC - IV				

Department of ECE

(An Autonomous Institution under UGC, New Delhi)

Choice Based Credit System (CBCS)

REGULATIONS – BR20

B. Tech. ELECTRONICS & COMMUNICATION ENGINEERING

IYE	AR I SEMESTER	COURSE STRUCTURE					
S. No.	Course Code	Course Title	L	Т	Р	Credits	
1	R20MTH1101	Mathematics – I (Linear Algebra and Calculus)	3	1	0	4	
2	R20EAP1201	Applied Physics	3	1	0	4	
3	R20CSE1101	Programming for Problem Solving	3	1	0	4	
4	R20MED1102	Engineering Graphics	1	0	4	3	
5	R20EAP12L1	Applied Physics Lab	0	0	3	1.5	
6	R20CSE11L2	Programming for Problem Solving Lab	0	0	3	1.5	
7	R20HAS1102	Environmental Science	3	0	0	0	
8	R20IPG1101	Induction Programme for Three Weeks	0	0	0	0	
		Total Credits	13	3	10	18	

I YEAR II SEMESTER

COURSE STRUCTURE

	I I LAK II SEIVIESTEK COURS			ESIRUCIURE				
S. No.	Course Code	Course Title	L	Т	Р	Credits		
1	R20MTH1201	Mathematics – II (Advanced Calculus)	3	1	0	4		
2	R20ECH1101	Chemistry	3	1	0	4		
3	R20EEE1101	Basic Electrical Engineering	3	0	0	3		
4	R20MED1101	Engineering Workshop	1	0	3	2.5		
5	R20HAS1101	English	2	0	0	2		
6	R20ECH11L1	Engineering Chemistry Lab	0	0	3	1.5		
7	R20HAS11L2	English Language and Communication Skills Lab	0	0	2	1		
8	R20EEE11L3	Basic Electrical Engineering Lab	0	0	2	1		
9	R20COI1101	Constitution of India	3	0	0	0		
10	R20ITK1101	Essence of Indian Traditional Knowledge	3	0	0	0		
		Total Credits	18	2	10	19		



Sti Indu College of Engineering and Technology (VIII): SHENGUDA-501 540, Ibrahimpathem(M), R.R.Dist

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Choice Based Credit System (CBCS)

REGULATIONS – BR20

B. Tech. ELECTRONICS & COMMUNICATION ENGINEERING

II YEAR I SEMESTER

COURSE STRUCTURE

S. No.	Course Code	Course Title	L	Т	Р	Credits
1	R20ECE2101	Electronic Devices and Circuits	3	1	0	4
2	R20EEE2104	Network Theory	3	0	0	3
3	R20ECE2102	Digital Logic Design	3	0	0	3
4	R20ECE2103	Signals and Systems	3	1	0	4
5	R20ECE2104	Probability Theory and Stochastic Processes	3	0	0	3
6	R20ECE21L1	Electronic Devices and Circuits Lab	0	0	3	1.5
7	R20ECE21L2	Digital Logic Design Lab	0	0	3	1.5
8	R20ECE21L3	Basic Simulation Lab	0	0	2	1
9	R20MAC2100	Gender Sensitization Lab (An Activity-based	0	0	2	0
		Course)				
		Total Credits	15	2	10	21

II YEAR II SEMESTER

COURSE STRUCTURE

					LUIKUCIUKE				
S. No.	Course Code	Course Title	L	Т	Р	Credits			
1	R20MTH2201	Laplace Transforms, Numerical Methods &	3	1	0	4			
		Complex Variables							
2	R20ECE2201	Electromagnetic Theory And Transmission Lines	3	0	0	3			
3	R20ECE2202	Analog and Digital Communications	3	1	0	4			
4	R20ECE2203	Linear and Digital IC Applications	3	0	0	3			
5	R20ECE2204	Electronic Circuit Analysis	3	0	0	3			
6	R20ECE22L1	Analog and Digital Communications Lab	0	0	3	1.5			
7	R20ECE22L2	IC Applications Lab	0	0	3	1.5			
8	R20ECE22L3	Electronic Circuit Analysis Lab	0	0	2	1			
9	R20MAC2200	Intellectual Property Rights	3	0	0	0			
		Total Credits	18	2	8	21			



Sri Indu College of Engineering and Technology (VIII): SHENGUDA-501 540, Ibrahimpatnem(M), R.R.Dist.

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Choice Based Credit System (CBCS)

REGULATIONS – BR20

B. Tech. ELECTRONICS & COMMUNICATION ENGINEERING

III YEAR I SEMESTER

COURSE STRUCTURE

			-					
S. No.	Course Code	Course Title	L	Т	Р	Credits		
1	R20MBA2201	Business Economics & Financial Analysis	3	0	0	3		
2	R20ECE3101	Microprocessors & Microcontrollers	3	1	0	4		
3	R20INF3103	Data Communications and Networks	3	1	0	4		
4	R20EEE2202	Control Systems	3	1	0	4		
	Professional Elective – I							
	R20CSE3114	Computer Organization & Operating Systems				3		
5	R20ECE3112	Coding Theory & Techniques	3	0	0			
	R20ECE3113	Electronic Measurements & Instrumentation	3	0	0	3		
	R20MAC3100	MOOCs-I						
6	R20ECE31L1	Microprocessors & Microcontrollers Lab	0	0	3	1.5		
7	R20INF31L2	Data Communications and Networks Lab	0	0	3	1.5		
8	R20HAS31L1	Advanced Communication Skills Lab	0	0	2	1		
		Total Credits	15	3	8	22		

III YEAR II SEMESTER

COURSE STRUCTURE

S. No.	Course Code	Course Title	L	Т	Р	Credits			
1	R20ECE3201	Antennas and Wave Propagation	3	1	0	4			
2	R20ECE3202	Digital Signal Processing	3	1	0	4			
3	R20ECE3203	VLSI Design	3	1	0	4			
	Professional Elective - II								
	R20ECE3221	Embedded System Design			0	3			
4	R20CSE4152	Internet of Things (IOT)	3	0					
	R20CSE3201	Machine Learning	3						
	R20MAC3200	MOOCs-II							
5		Open Elective - I	3	0	0	3			
6	R20ECE32L1	Digital Signal Processing Lab	0	0	3	1.5			
7	R20ECE32L2	VLSI & e-CAD Design Lab	0	0	3	1.5			
8	R20ECE32L3	Technical Seminar	0	0	2	1			
		Total Credits	15	3	8	22			



Sti Indu College of Engineering and Technology (VIII): SHERIGUDA-501 540, Ibrahimpatnam(M), R.R.Dist

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Choice Based Credit System (CBCS)

REGULATIONS – BR20

B. Tech. ELECTRONICS & COMMUNICATION ENGINEERING

IV YEAR I SEMESTERCOURSE							
Course Code	Course Title	L	Т	Р	Credits		
R20ECE4101	Microwave and Optical Communication	3	1	0	4		
R20HAS4101	Professional Practice, Law & Ethics	2	0	0	2		
Professional Elective – III							
R20ECE4131	Digital Image Processing						
R20CSE4101	Cryptography and Network Security	3	1	0	4		
R20CSE3122	Artificial Intelligence (AI)						
R20ECE4141	Cellular & Mobile Communications	3	1	0	4		
R20ECE4142	Digital Signal Processors & Architectures						
R20ECE4143	System on Chip Architecture						
	Open Elective - II	3	0	0	3		
R20ECE41L1	Microwave & Optical Communications Lab	0	0	2	1		
R20ECE41P2	Comprehensive Viva Voce	0	0	2	1		
R20ECE41P1	Industrial Oriented Mini Project/ Summer	0	0	0	2*		
	Internship						
	Total Credits	14	3	4	21		
	Course Code R20ECE4101 R20HAS4101 R20ECE4131 R20CSE4101 R20CSE3122 R20ECE4141 R20ECE4142 R20ECE4143 R20ECE41L1 R20ECE41P2 R20ECE41P1	Course CodeCourse TitleR20ECE4101Microwave and Optical CommunicationR20HAS4101Professional Practice, Law & EthicsProfessional Elective – IIIR20ECE4131Digital Image ProcessingR20CSE4101Cryptography and Network SecurityR20CSE3122Artificial Intelligence (AI)Professional Elective – IVR20ECE4141Cellular & Mobile CommunicationsR20ECE4142Digital Signal Processors & ArchitecturesR20ECE4143System on Chip ArchitectureOpen Elective - IIOpen Elective - IIR20ECE4112Microwave & Optical Communications LabR20ECE41P1Industrial Oriented Mini Project/ Summer InternshipTotal CreditsTotal Credits	Course CodeCourse TitleLR20ECE4101Microwave and Optical Communication3R20HAS4101Professional Practice, Law & Ethics2Professional Elective – III2R20ECE4131Digital Image Processing3R20CSE4101Cryptography and Network Security3R20CSE3122Artificial Intelligence (AI)3Professional Elective – IVProfessional Elective – IVR20ECE4141Cellular & Mobile Communications3R20ECE4142Digital Signal Processors & Architectures3R20ECE4143System on Chip Architecture3R20ECE4111Microwave & Optical Communications Lab0R20ECE41P2Comprehensive Viva Voce0R20ECE41P1Industrial Oriented Mini Project/ Summer0Internship14	Course CodeCourse TitleLTR20ECE4101Microwave and Optical Communication31R20HAS4101Professional Practice, Law & Ethics20Professional Elective – IIIR20ECE4131Digital Image Processing31R20CSE4101Cryptography and Network Security31R20CSE3122Artificial Intelligence (AI)31Professional Elective – IVR20ECE4141Cellular & Mobile Communications31R20ECE4142Digital Signal Processors & Architectures31R20ECE4143System on Chip Architecture30R20ECE4111Microwave & Optical Communications Lab00R20ECE41P2Comprehensive Viva Voce00R20ECE41P1Industrial Oriented Mini Project/ Summer00R20ECE41P1Industrial Oriented Mini Project/ Summer00	Course CodeCourse TitleLTPR20ECE4101Microwave and Optical Communication310R20HAS4101Professional Practice, Law & Ethics200Professional Elective – IIIR20ECE4131Digital Image Processing310R20CSE4101Cryptography and Network Security310R20CSE3122Artificial Intelligence (AI)310Professional Elective – IVR20ECE4141Cellular & Mobile Communications310R20ECE4142Digital Signal Processors & Architectures310R20ECE4143System on Chip Architecture300R20ECE4111Microwave & Optical Communications Lab002R20ECE41P2Comprehensive Viva Voce002R20ECE41P1Industrial Oriented Mini Project/ Summer Internship002R20ECE41P1Industrial Oriented Mini Project/ Summer000		

* To be carried out during the summer vacation between 6th and 7th semesters.

Note: Students should submit report of Industrial Oriented Mini Project/ Summer Internship for evaluation.

IV YEAR II SEMESTER

COURSE STRUCTURE

IVI	EAK II SEMIESI E	IKUU	10	NĽ					
S. No.	Course Code	Course Title	L	Т	Р	Credits			
	Professional Elective – V								
1	R20ECE4251	Satellite Communications							
1	R20ECE4252	Low Power VLSI	3	0	0	3			
	R20ECE4253	Wireless Sensor Networks							
	Professional Elective – VI								
2	R20ECE4261	Wireless Communication & Networks							
Z	R20ECE4262	Electronic Product Design & Packaging	3	0	0	3			
	R20ECE4263	Radar Systems							
3		Open Elective - III	3	0	0	3			
4	R20ECE42P1	Project Work	0	0	14	7			
		Total Credits	9	0	14	16			

* MC-Satisfied/Unsatisfied



Salad g and Technology 501 540 (8), M.M.L.Net

LIST OF OPEN ELECTIVES

Open Elective – I

S. No.	Course Code	Course Title	L	Т	Р	Credits
1	R20CIV3271	Disaster Management & Mitigation				
2	R20CSE3272	Database Concepts			0	3
3	R20ECE3273	Consumer Electronics				
4	R20EEE3274	Electrical Estimation & Costing	3	0		
5	R20INF3275	Information Technology Essentials	3	U	U	3
6	R20MED3276	Introduction to Robotics				
7	R20HMS3277	Fundamentals of Entrepreneurship]			
8	R20HMS3278	Day to Day Biology	L			

Open Elective –II

S. No.	Course Code	Course Title	L	Т	Р	Credits
1	R20CIV4181	Green Building Engineering				
2	R20CSE4182	Cyber Security Fundamentals			0	
3	R20ECE4183	Principles of Modern Communication Systems		•		2
4	R20EEE4184	Illumination Engineering	•			
5	R20INF4185	E-Commerce	3	0		3
6	R20MED4186	Industrial Design & Ergonomics				
7	R20HMS4187	Creative Writing				
8	R20HMS4188	Design Thinking				
9.		MOOC - III				

Open Elective –III

S. No.	Course Code	Course Title	L	Т	Р	Credits
1	R20CIV4293	Remote Sensing Concepts				
2	R20CSE4292	Fundamentals of Soft Computing			0	3
3	R20ECE4293	Audio & Video Engineering				
4	R20EEE4294	Non Conventional Energy Resources				
5	R20INF4295	Information Security Fundamentals	3	0		
6	R20MED4296	Total Engineering Quality Management	3	U	U	5
7	R20HMS4297	Human Values & Professional Ethics for				
		Engineers				
8	R20HMS4298	Science Fiction				
9		MOOC - IV				

Department of Computer Science & Engineering

(An Autonomous Institution under UGC, New Delhi)

Choice Based Credit System (CBCS)

REGULATIONS – BR20

B. Tech. COMPUTER SCIENCE & ENGINEERING

Common to EEE, CSE, CSIT, CSE(DS), CSE(CS), CSE(AIML), CSE(IOT) & IT

I YEAR I SEMESTER

COURSE STRUCTURE

S. No.	Course Code	Course Title	L	Τ	Р	Credits
1	R20MTH1101	Mathematics – I				
1	K20W1H1101	(Linear Algebra and Calculus)	3	1	0	4
2	R20ECH1101	Chemistry	3	1	0	4
3	R20EEE1101	Basic Electrical Engineering	3	0	0	3
4	R20MED1101	Engineering Workshop	1	0	3	2.5
5	R20HAS1101	English	2	0	0	2
6	R20ECH11L1	Engineering Chemistry Lab	0	0	3	1.5
7	R20HAS11L2	English Language and Communication Skills				
/	K2011A511L2	lab	0	0	2	1
8	R20EEE11L3	Basic Electrical Engineering Lab	0	0	2	1
9	R20HAS1102	Environmental Science	3	0	0	0
10	R20IPG1101	Induction Programme for Three Weeks	0	0	0	0
	Total Credits			2	10	19

I YEAR II SEMESTER

COURSE STRUCTURE

S. No.	Course Code	Course Title	L	Т	Р	Credits
1	D201/1711201	Mathematics – II				
1	R20MTH1201	(Advanced Calculus)	3	1	0	4
2	R20EAP1201	Applied Physics	3	1	0	4
3	R20CSE1101	Programming for Problem Solving	3	1	0	4
4	R20MED1102	Engineering Graphics	1	0	4	3
5	R20EAP12L1	Applied Physics Lab	0	0	3	1.5
6	R20CSE11L2	Programming for Problem Solving Lab	0	0	3	1.5
7	R20COI1101	Constitution of India	3	0	0	0
8	R20ITK1101	Essence of Indian Traditional Knowledge	3	0	0	0
	Total Credits					18



Sri Indu College of Engineering and Technology (Viii): SHEMGUDA-501 540, Ibrahimpathem(M), R.R.Dist.

(An Autonomous Institution under UGC, New Delhi)

Choice Based Credit System (CBCS)

REGULATIONS – BR20

B. Tech. COMPUTER SCIENCE & ENGINEERING

II YEAR I SEMESTER

COURSE STRUCTURE

S. No.	Course Code	Course Title	L	Т	Р	Credits
1	R20ECE2105	Analog Electronics	3	0	0	3
2	R20CSE2101	Data Structures	3	0	0	3
3	R20MTH2103	Probability & Statistical Methods	4	0	0	4
4	R20CSE2102	Computer Organization & Architecture	3	0	0	3
5	R20CSE2103	Object Oriented Programming using C++	3	0	0	3
6	R20ECE21L4	Analog Electronics Lab	0	0	2	1
7	R20CSE21L1	Data Structures Lab	0	0	3	1.5
8	R20CSE21L2	IT Workshop Lab	0	0	3	1.5
9	R20CSE21L3	C++ Programming Lab	0	0	2	1
10	R20MAC2100	Gender Sensitization Lab (An Activity-based	0	0	2	0
10		Course)				
		Total Credits	15	1	12	21

II YEAR II SEMESTER

COURSE STRUCTURE

S. No.	Course Code	Course Title	L	Т	Р	Credits
1	R20CSE2201	Discrete Mathematics	3	0	0	3
2	R20ECE2102	Digital Logic Design	3	0	0	3
3	R20CSE2202	Operating Systems	3	0	0	3
4	R20CSE2203	Database Management Systems	3	1	0	4
5	R20CSE2204	Java Programming	3	1	0	4
6	R20CSE22L1	Operating Systems Lab	0	0	3	1.5
7	R20CSE22L2	Database Management Systems Lab	0	0	3	1.5
8	R20CSE22L3	Java Programming Lab	0	0	2	1
9	R20MAC2200	Intellectual Property Rights	3	0	0	0
		Total Credits	18	2	8	21



pering and Technology (VIII): SHERIGUDA-501 510, Ibrahimpatnem(M), R.R.Dist.

Department of Information Technology

(An Autonomous Institution under UGC, New Delhi)

Choice Based Credit System (CBCS)

REGULATIONS – BR20

B. Tech. - INFORMATION TECHNOLOGY

Common to EEE, CSE & IT

I YEAR I SEMESTER

COURSE STRUCTURE

S. No.	Course Code	Course Title	L	Т	Р	Credits
1	R20MTH1101	Mathematics – I				
1	K20W1H1101	(Linear Algebra and Calculus)	3	1	0	4
2	R20ECH1101	Chemistry	3	1	0	4
3	R20EEE1101	Basic Electrical Engineering	3	0	0	3
4	R20MED1101	Engineering Workshop	1	0	3	2.5
5	R20HAS1101	English	2	0	0	2
6	R20ECH11L1	Engineering Chemistry Lab	0	0	3	1.5
7	R20HAS11L2	English Language and Communication Skills				
/	K2011A511L2	lab	0	0	2	1
8	R20EEE11L3	Basic Electrical Engineering Lab	0	0	2	1
9	R20HAS1102	Environmental Science	3	0	0	0
10	R20IPG1101	Induction Programme for Three Weeks	0	0	0	0
	Total Credits			2	10	19

I YEAR II SEMESTER

COURSE STRUCTURE

S. No.	Course Code	Course Title	L	Т	Р	Credits
1	R20MTH1201	Mathematics – II				
1	K201V1111201	(Advanced Calculus)	3	1	0	4
2	R20EAP1201	Applied Physics	3	1	0	4
3	R20CSE1101	Programming for Problem Solving	3	1	0	4
4	R20MED1102	Engineering Graphics	1	0	4	3
5	R20EAP12L1	Applied Physics Lab	0	0	3	1.5
6	R20CSE11L2	Programming for Problem Solving Lab	0	0	3	1.5
7	R20COI1101	Constitution of India	3	0	0	0
8	R20ITK1101	Essence of Indian Traditional Knowledge	3	0	0	0
	Total Credits				10	18



FRINCTPAL Sri Indu College of Engineering and Technology (Vill: SHENGUDA-501 540, Ibrahimpatnam(M), R.R.Dist.

(An Autonomous Institution under UGC, New Delhi)

Choice Based Credit System (CBCS)

REGULATIONS – BR20

B. Tech. - INFORMATION TECHNOLOGY

II YEAR I SEMESTER

COURSE STRUCTURE

				-		
S. No.	Course Code	Course Title	L	Т	Р	Credits
1	R20ECE2105	Analog Electronics	3	0	0	3
2	R20CSE2101	Data Structures	3	0	0	3
3	R20MTH2103	Probability & Statistical Methods	4	0	0	4
4	R20CSE2102	Computer Organization & Architecture	3	0	0	3
5	R20CSE2103	Object Oriented Programming using C++	3	0	0	3
6	R20ECE21L4	Analog Electronics Lab	0	0	2	1
7	R20CSE21L1	Data Structures Lab	0	0	3	1.5
8	R20CSE21L2	IT Workshop Lab	0	0	3	1.5
9	R20CSE21L3	C++ Programming Lab	0	0	2	1
10	R20MAC2100	Gender Sensitization Lab (An Activity-based	0	0	2	0
		Course)				
		Total Credits	15	1	12	21

II YEAR II SEMESTER

COURSE STRUCTURE

S. No.	Course Code	Course Title	L	Т	Р	Credits
1	R20CSE2201	Discrete Mathematics	3	0	0	3
2	R20ECE2102	Digital Logic Design	3	0	0	3
3	R20CSE2202	Operating Systems	3	0	0	3
4	R20CSE2203	Database Management Systems	3	1	0	4
5	R20CSE2204	Java Programming	3	1	0	4
6	R20CSE22L1	Operating Systems Lab	0	0	3	1.5
7	R20CSE22L2	Database Management Systems Lab	0	0	3	1.5
8	R20CSE22L3	Java Programming Lab	0	0	2	1
9	R20MAC2200	Intellectual Property Rights	3	0	0	0
		Total Credits	18	2	8	21



PRINCIPAL Stilladu College of Engineering and Technology (VIII): SHERIGUDA-501 S40, Ibrahimpatnem(M), R.R.Dist.

Department of

Computer Science & Information Technology

(An Autonomous Institution under UGC, New Delhi)

Choice Based Credit System (CBCS)

REGULATIONS – BR20

B. Tech. - COMPUTER SCIENCE & INFORMATION TECHNOLOGY

Common to EEE, CSE & IT

I YEAR I SEMESTER

COURSE STRUCTURE

S. No.	Course Code	Course Title	L	Т	Р	Credits
1	R20MTH1101	Mathematics – I				
T	K 201 V 1111101	(Linear Algebra and Calculus)	3	1	0	4
2	R20ECH1101	Chemistry	3	1	0	4
3	R20EEE1101	Basic Electrical Engineering	3	0	0	3
4	R20MED1101	Engineering Workshop	1	0	3	2.5
5	R20HAS1101	English	2	0	0	2
6	R20ECH11L1	Engineering Chemistry Lab	0	0	3	1.5
7	R20HAS11L2	English Language and Communication Skills				
/	K2011A511L2	lab	0	0	2	1
8	R20EEE11L3	Basic Electrical Engineering Lab	0	0	2	1
9	R20HAS1102	Environmental Science	3	0	0	0
10	R20IPG1101	Induction Programme for Three Weeks	0	0	0	0
Total Credits			15	2	10	19

I YEAR II SEMESTER

COURSE STRUCTURE

S. No.	Course Code	Course Title	L	Т	Р	Credits
1	D20N/TH1201	Mathematics – II				
1	1 R20MTH1201	(Advanced Calculus)	3	1	0	4
2	R20EAP1201	Applied Physics	3	1	0	4
3	R20CSE1101	Programming for Problem Solving	3	1	0	4
4	R20MED1102	Engineering Graphics	1	0	4	3
5	R20EAP12L1	Applied Physics Lab	0	0	3	1.5
6	R20CSE11L2	Programming for Problem Solving Lab	0	0	3	1.5
7	R20COI1101	Constitution of India	3	0	0	0
8	R20ITK1101	Essence of Indian Traditional Knowledge	3	0	0	0
Total Credits					10	18



Sri Indu College of Engineering and Technology (VIII): SHENIGUDA-501 540, Ibrahimpatnem(M), R.R.Dist.

(An Autonomous Institution under UGC, New Delhi)

Choice Based Credit System (CBCS)

REGULATIONS – BR20

B. Tech. - COMPUTER SCIENCE & INFORMATION TECHNOLOGY

II YEAR I SEMESTER

COURSE STRUCTURE

S. No.	Course Code	Course Title	L	Т	Р	Credits
1	R20ECE2105	Analog Electronics	3	0	0	3
2	R20CSE2101	Data Structures	3	0	0	3
3	R20MTH2103	Probability & Statistical Methods	4	0	0	4
4	R20CSE2102	Computer Organization & Architecture	3	0	0	3
5	R20CSE2103	Object Oriented Programming using C++	3	0	0	3
6	R20ECE21L4	Analog Electronics Lab	0	0	2	1
7	R20CSE21L1	Data Structures Lab	0	0	3	1.5
8	R20CSE21L2	IT Workshop Lab	0	0	3	1.5
9	R20CSE21L3	C++ Programming Lab	0	0	2	1
10	R20MAC2100	Gender Sensitization Lab (An Activity-based	0	0	2	0
		Course)				
		Total Credits	15	1	12	21

II YEAR II SEMESTER

COURSE STRUCTURE

S. No.	Course Code	Course Title	L	Т	Р	Credits
1	R20CSE2201	Discrete Mathematics	3	0	0	3
2	R20ECE2102	Digital Logic Design	3	0	0	3
3	R20CSE2202	Operating Systems	3	0	0	3
4	R20CSE2203	Database Management Systems	3	1	0	4
5	R20CSE2204	Java Programming	3	1	0	4
6	R20CSE22L1	Operating Systems Lab	0	0	3	1.5
7	R20CSE22L2	Database Management Systems Lab	0	0	3	1.5
8	R20CSE22L3	Java Programming Lab	0	0	2	1
9	R20MAC2200	Intellectual Property Rights	3	0	0	0
		Total Credits	18	2	8	21



FINCTPAL Sri Indu College of Engineering and Technology (Viii): SHENGUDA-501 540, Ibrahimpathem(M), R.R.Dist.

Department of **Data Science**

(An Autonomous Institution under UGC, New Delhi)

Choice Based Credit System (CBCS)

REGULATIONS – BR20

B. Tech. - CSE (DATA SCIENCE)

Common to EEE, CSE & IT

I YEAR I SEMESTER

COURSE STRUCTURE

S. No.	Course Code	Course Title	L	Т	Р	Credits
1	R20MTH1101	Mathematics – I				
1	K201VI111101	(Linear Algebra and Calculus)	3	1	0	4
2	R20ECH1101	Chemistry	3	1	0	4
3	R20EEE1101	Basic Electrical Engineering	3	0	0	3
4	R20MED1101	Engineering Workshop	1	0	3	2.5
5	R20HAS1101	English	2	0	0	2
6	R20ECH11L1	Engineering Chemistry Lab	0	0	3	1.5
7	R20HAS11L2	English Language and Communication Skills				
/	K2011A511L2	lab	0	0	2	1
8	R20EEE11L3	Basic Electrical Engineering Lab	0	0	2	1
9	R20HAS1102	Environmental Science	3	0	0	0
10	R20IPG1101	Induction Programme for Three Weeks	0	0	0	0
	Total Credits			2	10	19

I YEAR II SEMESTER

COURSE STRUCTURE

S. No.	Course Code	Course Title	L	Т	Р	Credits
1	R20MTH1201	Mathematics – II (Advanced Calculus)	3	1	0	4
2	R20EAP1201	Applied Physics	3	1	0	4
3	R20CSE1101	Programming for Problem Solving	3	1	0	4
4	R20MED1102	Engineering Graphics	1	0	4	3
5	R20EAP12L1	Applied Physics Lab	0	0	3	1.5
6	R20CSE11L2	Programming for Problem Solving Lab	0	0	3	1.5
7	R20COI1101	Constitution of India	3	0	0	0
8	R20ITK1101	Essence of Indian Traditional Knowledge	3	0	0	0
	Total Credits					18



FRINCTPAL Sri Indu College of Engineering and Technology (Vill): SHEMBUDA-501 540, Ibrahimpatnem(M), R.R.Dist.

(An Autonomous Institution under UGC, New Delhi)

Choice Based Credit System (CBCS)

REGULATIONS – BR20

B. Tech. - CSE (DATA SCIENCE)

II YEAR I SEMESTER

COURSE STRUCTURE

S. No.	Course Code	Course Title	L	Т	Р	Credits
1	R20CSE2201	Discrete Mathematics	3	0	0	3
2	R20CSE2101	Data Structures	3	0	0	3
3	R20MTH2104	Mathematical and Statistical Foundations	3	1	0	4
4	R20CSE2102	Computer Organization & Architecture	3	0	0	3
5	R20CSE2104	Python Programming	2	0	0	2
6	R20MBA2201	Business Economics & Financial Analysis	3	0	0	3
7	R20CSE21L1	Data Structures Lab	0	0	3	1.5
8	R20CSE21L4	Python Programming Lab	0	0	3	1.5
9	R20MAC2100	Gender Sensitization Lab (An Activity-based Course)	0	0	2	0
		Total Credits	17	1	8	21

II YEAR II SEMESTER

COURSE STRUCTURE

S. No.	Course Code	Course Title	L	Т	Р	Credits
1	R20CSE2206	Formal Language and Automata Theory	3	0	0	3
2	R20CSE2207	Software Engineering	3	0	0	3
3	R20CSE2202	Operating Systems	3	0	0	3
4	R20CSE2203	Database Management Systems	3	1	0	4
5	R20CSE2204	Java Programming	3	1	0	4
6	R20CSE22L1	Operating Systems Lab	0	0	3	1.5
7	R20CSE22L2	Database Management Systems Lab	0	0	3	1.5
8	R20CSE22L3	Java Programming Lab	0	0	2	1
9	R20MAC2200	Intellectual Property Rights	3	0	0	0
		Total Credits	18	2	8	21



Sri Insta Cal a of Engineering and Technology (VIII): SHERIGUDA-501 540, Ibrahimpatnem(M), R.R.Dist.

Department of **Cyber Security**

(An Autonomous Institution under UGC, New Delhi)

Choice Based Credit System (CBCS)

REGULATIONS – BR20

B. Tech. - CSE (CYBER SECURITY)

Common to EEE, CSE & IT

I YEAR I SEMESTER

COURSE STRUCTURE

S. No.	Course Code	Course Title	L	Т	Р	Credits
1	R20MTH1101	Mathematics – I				
1	K20W1H1101	(Linear Algebra and Calculus)	3	1	0	4
2	R20ECH1101	Chemistry	3	1	0	4
3	R20EEE1101	Basic Electrical Engineering	3	0	0	3
4	R20MED1101	Engineering Workshop	1	0	3	2.5
5	R20HAS1101	English	2	0	0	2
6	R20ECH11L1	Engineering Chemistry Lab	0	0	3	1.5
7	R20HAS11L2	English Language and Communication Skills				
/	K2011A511L2	lab	0	0	2	1
8	R20EEE11L3	Basic Electrical Engineering Lab	0	0	2	1
9	R20HAS1102	Environmental Science	3	0	0	0
10	R20IPG1101	Induction Programme for Three Weeks	0	0	0	0
	Total Credits			2	10	19

I YEAR II SEMESTER

COURSE STRUCTURE

S. No.	Course Code	Course Title	L	Т	Р	Credits
1	R20MTH1201	Mathematics – II (Advanced Calculus)	3	1	0	4
2	R20EAP1201	Applied Physics	3	1	0	4
3	R20CSE1101	Programming for Problem Solving	3	1	0	4
4	R20MED1102	Engineering Graphics	1	0	4	3
5	R20EAP12L1	Applied Physics Lab	0	0	3	1.5
6	R20CSE11L2	Programming for Problem Solving Lab	0	0	3	1.5
7	R20COI1101	Constitution of India	3	0	0	0
8	R20ITK1101	Essence of Indian Traditional Knowledge	3	0	0	0
	Total Credits					18



Sri Insta Ca neering and Technology (VIII): SHERIGUDA-501 510, Ibrahimpatnem(M), R.R.Dist.

(An Autonomous Institution under UGC, New Delhi)

Choice Based Credit System (CBCS)

REGULATIONS – BR20

B. Tech. - CSE (CYBER SECURITY)

II YEAR I SEMESTER

COURSE STRUCTURE

S. No.	Course Code	Course Title	L	Т	Р	Credits
1	R20ECE2106	Analog and Digital Electronics	3	0	0	3
2	R20CSE2101	Data Structures	3	0	0	3
3	R20MTH2104	Mathematical and Statistical Foundations	3	1	0	4
4	R20CSE2102	Computer Organization & Architecture	3	0	0	3
5	R20CSE2104	Python Programming	2	0	0	2
6	R20ECE21L5	Analog and Digital Electronics Lab	0	0	3	1.5
7	R20CSE21L1	Data Structures Lab	0	0	3	1.5
8	R20CSE21L2	IT Workshop Lab	0	0	3	1.5
9	R20CSE21L4	Python Programming Lab	0	0	3	1.5
10	R20MAC2100	Gender Sensitization Lab (An Activity-based	0	0	2	0
10	K20WIAC2100	Course)				
		Total Credits	14	1	14	21

II YEAR II SEMESTER

COURSE STRUCTURE

				R = 1		
S. No.	Course Code	Course Title	L	Т	Р	Credits
1	R20CSE2201	Discrete Mathematics	3	0	0	3
2	R20MBA2201	Business Economics & Financial Analysis	3	0	0	3
3	R20CSE2202	Operating Systems	3	0	0	3
4	R20CSE2205	Computer Networks	3	1	0	4
5	R20CSE2204	Java Programming	3	1	0	4
6	R20CSE22L1	Operating Systems Lab	0	0	3	1.5
7	R20CSE22L4	Computer Networks Lab	0	0	3	1.5
8	R20CSE22L3	Java Programming Lab	0	0	2	1
9	R20MAC2200	Intellectual Property Rights	3	0	0	0



Sri Indu College of Engineering and Technology (VIII): SHEPIGUDA-501 540,

Ibrahimpatnem(M), R.R.Dist.

Department of Internet of Things

(An Autonomous Institution under UGC, New Delhi)

Choice Based Credit System (CBCS)

REGULATIONS – BR20

B. Tech. - CSE (INTERNET OF THINGS (IoT))

Common to EEE, CSE & IT

I YEAR I SEMESTER

COURSE STRUCTURE

S. No.	Course Code	Course Title	L	Τ	Р	Credits
1	R20MTH1101	Mathematics – I				
1	K201V1111101	(Linear Algebra and Calculus)	3	1	0	4
2	R20ECH1101	Chemistry	3	1	0	4
3	R20EEE1101	Basic Electrical Engineering	3	0	0	3
4	R20MED1101	Engineering Workshop	1	0	3	2.5
5	R20HAS1101	English	2	0	0	2
6	R20ECH11L1	Engineering Chemistry Lab	0	0	3	1.5
7	R20HAS11L2	English Language and Communication Skills				
/	K20HA511L2	lab	0	0	2	1
8	R20EEE11L3	Basic Electrical Engineering Lab	0	0	2	1
9	R20HAS1102	Environmental Science	3	0	0	0
10	R20IPG1101	Induction Programme for Three Weeks	0	0	0	0
	Total Credits			2	10	19

I YEAR II SEMESTER

COURSE STRUCTURE

S. No.	Course Code	Course Title	L	Т	Р	Credits
1	R20MTH1201	Mathematics – II (Advanced Calculus)	3	1	0	4
2	R20EAP1201	Applied Physics	3	1	0	4
3	R20CSE1101	Programming for Problem Solving	3	1	0	4
4	R20MED1102	Engineering Graphics	1	0	4	3
5	R20EAP12L1	Applied Physics Lab	0	0	3	1.5
6	R20CSE11L2	Programming for Problem Solving Lab	0	0	3	1.5
7	R20COI1101	Constitution of India	3	0	0	0
8	R20ITK1101	Essence of Indian Traditional Knowledge	3	0	0	0
	Total Credits					18



pering and Technology (VIII): SHEMGUDA-501 510, Ibrahimpatnem(M), R.R.Dist.

(An Autonomous Institution under UGC, New Delhi)

Choice Based Credit System (CBCS)

REGULATIONS – BR20

B. Tech. - CSE (INTERNET OF THINGS (IoT))

II YEAR I SEMESTER

COURSE STRUCTURE

S. No.	Course Code	Course Title	L	Т	Р	Credits
1	R20ECE2106	Analog and Digital Electronics	3	0	0	3
2	R20CSE2101	Data Structures	3	0	0	3
3	R20MTH2103	Probability & Statistical Methods	4	0	0	4
4	R20CSE2201	Discrete Mathematics	3	0	0	3
5	R20CSE2104	Python Programming	2	0	0	2
6	R20ECE21L5	Analog and Digital Electronics Lab	0	0	3	1.5
7	R20CSE21L1	Data Structures Lab	0	0	3	1.5
8	R20CSE21L2	IT Workshop Lab	0	0	3	1.5
9	R20CSE21L4	Python Programming Lab	0	0	3	1.5
10	R20MAC2100	Gender Sensitization Lab (An Activity-based	0	0	2	0
10		Course)				
		Total Credits	15	0	14	21

II YEAR II SEMESTER

COURSE STRUCTURE

S. No.	Course Code	Course Title	L	Т	Р	Credits
1	R20CSE2102	Computer Organization & Architecture	3	0	0	3
2	R20MBA2201	Business Economics & Financial Analysis	3	0	0	3
3	R20CSE2202	Operating Systems	3	0	0	3
4	R20CSE2205	Computer Networks	3	1	0	4
5	R20CSE2204	Java Programming	3	1	0	4
6	R20CSE22L1	Operating Systems Lab	0	0	3	1.5
7	R20CSE22L4	Computer Networks Lab	0	0	3	1.5
8	R20CSE22L3	Java Programming Lab	0	0	2	1
9	R20MAC2200	Intellectual Property Rights	3	0	0	0



Sri Indu College of Engineering and Technology

(VIII): SHERIGUDA-501 540, Ibrahimpathem(M), R.R.Dist.

Department of

Artificial Intelligence & Machine Learning

(An Autonomous Institution under UGC, New Delhi)

Choice Based Credit System (CBCS)

REGULATIONS – BR20

B. Tech. CSE (ARTIFICIAL INTELLIGENCE & MACHINE LEARNING)

Common to EEE, CSE & IT

I YEAR I SEMESTER

COURSE STRUCTURE

S. No.	Course Code	Course Title	L	Т	Р	Credits
1	R20MTH1101	Mathematics – I				
1	K201V1111101	(Linear Algebra and Calculus)	3	1	0	4
2	R20ECH1101	Chemistry	3	1	0	4
3	R20EEE1101	Basic Electrical Engineering	3	0	0	3
4	R20MED1101	Engineering Workshop	1	0	3	2.5
5	R20HAS1101	English	2	0	0	2
6	R20ECH11L1	Engineering Chemistry Lab	0	0	3	1.5
7	R20HAS11L2	English Language and Communication Skills				
/	K20HA511L2	lab	0	0	2	1
8	R20EEE11L3	Basic Electrical Engineering Lab	0	0	2	1
9	R20HAS1102	Environmental Science	3	0	0	0
10	R20IPG1101	Induction Programme for Three Weeks	0	0	0	0
	Total Credits			2	10	19

I YEAR II SEMESTER

COURSE STRUCTURE

S. No.	Course Code	Course Title	L	Т	Р	Credits
1	R20MTH1201	Mathematics – II				
1	K20W11111201	(Advanced Calculus)	3	1	0	4
2	R20EAP1201	Applied Physics	3	1	0	4
3	R20CSE1101	Programming for Problem Solving	3	1	0	4
4	R20MED1102	Engineering Graphics	1	0	4	3
5	R20EAP12L1	Applied Physics Lab	0	0	3	1.5
6	R20CSE11L2	Programming for Problem Solving Lab	0	0	3	1.5
7	R20COI1101	Constitution of India	3	0	0	0
8	R20ITK1101	Essence of Indian Traditional Knowledge	3	0	0	0
	Total Credits				10	18



FRINCTPAL Sri Indu College of Engineering and Technology (Viit): SHENIGUDA-501 540, Ibrahimpathem(M), R.R.Dist.

(An Autonomous Institution under UGC, New Delhi)

Choice Based Credit System (CBCS)

REGULATIONS – BR20

B. Tech. CSE (ARTIFICIAL INTELLIGENCE & MACHINE LEARNING)

II YEAR I SEMESTER

COURSE STRUCTURE

S. No.	Course Code	Course Title	L	Т	Р	Credits
1	R20CSE2201	Discrete Mathematics	3	0	0	3
2	R20CSE2101	Data Structures	3	0	0	3
3	R20MTH2104	Mathematical and Statistical Foundations	3	1	0	4
4	R20CSE2102	Computer Organization & Architecture	3	0	0	3
5	R20CSE2104	Python Programming	2	0	0	2
6	R20MBA2201	Business Economics & Financial Analysis	3	0	0	3
7	R20CSE21L1	Data Structures Lab	0	0	3	1.5
8	R20CSE21L4	Python Programming Lab	0	0	3	1.5
9	R20MAC2100	Gender Sensitization Lab (An Activity-based Course)	0	0	2	0
		Total Credits	17	1	8	21

II YEAR II SEMESTER

COURSE STRUCTURE

S. No.	Course Code	Course Title	L	Т	Р	Credits
1	R20CSE2206	Formal Language and Automata Theory	3	0	0	3
2	R20CSE2207	Software Engineering	3	0	0	3
3	R20CSE2202	Operating Systems	3	0	0	3
4	R20CSE2203	Database Management Systems	3	1	0	4
5	R20CSE2204	Java Programming	3	1	0	4
6	R20CSE22L1	Operating Systems Lab	0	0	3	1.5
7	R20CSE22L2	Database Management Systems Lab	0	0	3	1.5
8	R20CSE22L3	Java Programming Lab	0	0	2	1
9	R20MAC2200	Intellectual Property Rights	3	0	0	0
		Total Credits	18	2	8	21



Sri Indu College of Engineering and Technology (VIII): SHENGUDA-501 540, Ibrahimpatnem(M), R.R.Dist.