

# **SARALA BIRLA UNIVERSITY RANCHI**



Established under the Sarala Birla University Act 2017 Govt. of Jharkhand as per  
Section 2(f) of UGC Act. 1956

## **CURRICULUM FOR**

### **B.Tech in Computer Science & Engineering**

**(Based on AICTE- CBCS)**

**Effective from 2019-20**

## DEFINITION OF CREDIT

1 Hr. Lecture (L) per week	1 credit
1 Hr. Tutorial (T) per week	1 credit
1 Hr. Practical (P) per week	0.5 credit
2 Hours Practical (Lab)/week	1 credit
4 Hours Practical (Lab)/week	2 credits

## COURSE CODE AND DEFINITION

Course Code	Definition
<b>BSC</b>	Basic Science courses
<b>ESC</b>	Engineering Science courses
<b>HSMC</b>	Humanities and Social Sciences including Management courses
<b>PCC-CSE</b>	Professional core courses
<b>PEC-CSE</b>	Professional Elective courses
<b>OEC-CSE</b>	Open Elective Courses
<b>MC</b>	Mandatory Courses
<b>CSE-P1</b>	Project stage-I
<b>CSE-P2</b>	Project stage-II
<b>CSE-P3</b>	Project stage-III

## STRUCTURE OF UNDERGRADUATE B.TECH IN CSE

S.No	Category	Credit Breakup
1	Humanities and Social Sciences including Management courses	14
2	Basic Science courses	23
3	Engineering Science courses including workshop,drawing, basics of electrical/mechanical/computer etc	24
4	Professional Core courses	51
5	Professional Elective courses relevant to chosen specialization/branch	20
6	Open subjects – Electives from other technical and /or emerging subjects	11
7	Mandatory Courses[Environmental Sciences]	4
8	Project work, seminar and internship in industry or elsewhere	16
	<b>Total Credits</b>	<b>163</b>

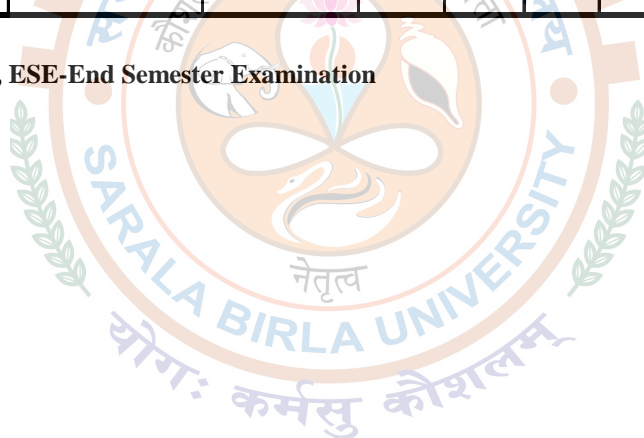
### CREDITS DISTRIBUTION (SEMESTER-WISE AND COURSE-WISE )

Semester	HSMC	BSC	ESC	PCC	PEC	OEC	MC	Project (CSE-P1+CSE-P2+CSE-P3)	Total Credit Semester-wise
1st		9.5	8						17.5
2nd	3	9.5	8						20.5
3rd	3	4	4	10					21
4th			4	12			4		20
5th	2			14	3		4		23
6th	4			10	7			2	23
7th	2			5	7		3	5	22
8th					3		4	9	16
<b>Total Credit Course-wise</b>	<b>14</b>	<b>23</b>	<b>24</b>	<b>51</b>	<b>20</b>	<b>11</b>	<b>4</b>	<b>16</b>	
<b>Total Credits</b>									<b>163</b>

## MARKS DISTRIBUTION OF B.TECH IN CSE PROGRAM

S. No	Year	Semester	Total Credits	Total Classes per Week	Theory			Lab			Total Marks
					IA	ESE	TM	IA	ESE	TM	
1	1st	I	17.5	22	90	210	300	90	60	150	450
2		II	20.5	26	120	280	400	90	60	150	550
3	2nd	III	21	27	150	350	500	120	80	200	700
4		IV	20	24	180	420	600	90	60	150	750
5	3rd	V	23	28	180	420	600	120	80	200	800
6		VI	23	30	180	420	600	165	85	250	850
7	4th	VII	22	30	150	350	500	210	90	300	800
8		VIII	16	26	60	140	200	330	120	450	650
<b>Total</b>			<b>163</b>	<b>213</b>	<b>1110</b>	<b>2590</b>	<b>3700</b>	<b>1215</b>	<b>635</b>	<b>1850</b>	<b>5550</b>

IA- Internal Assessment, ESE-End Semester Examination  
 TM- Total Marks



## BASIC SCIENCE COURSES

Sl. No.	Course Code	Course Title	Hours per week			Credits	Preferred Semester
			L	T	P		
1	BSC-101	Physics	3	1	0	4	I
2	BSC-102	Physics Lab	0	0	3	1.5	I
3	BSC-103	Chemistry	3	1	0	4	II
4	BSC-104	Chemistry Lab	0	0	3	1.5	II
5	BSC-105	Mathematics-I	3	1	0	4	I
6	BSC-106	Mathematics-II	3	1	0	4	II
7	BSC-107	Mathematics-III	3	1	0	4	III
<b>Total Credits:</b>						<b>23</b>	

## ENGINEERING SCIENCE COURSES

Sl. No.	Course Code	Course Title	Hours per week			Credits	Preferred Semester
			L	T	P		
1	ESC-101	Basic Electrical & Electronics Engineering	3	1	0	4	I
2	ESC-102	Basic Electrical & Electronics Engineering Lab	0	0	2	1	I
3	ESC-103	Engineering Graphics & Design	1	0	4	3	I
4	ESC-104	Programming for Problem Solving	3	0	0	3	II
5	ESC-105	Programming for Problem Solving Lab	0	0	4	2	II
6	ESC-106	Workshop/ Manufacturing Practices	1	0	4	3	II
7	ESC-108	Electronics Devices	3	0	0	3	III
8	ESC-109	Electronics Devices Lab	0	0	2	1	III
9	ESC-110	Digital Electronics	3	0	0	3	IV
10	ESC-111	Digital Electronics Lab	0	0	2	1	IV
<b>Total Credits:</b>						<b>24</b>	

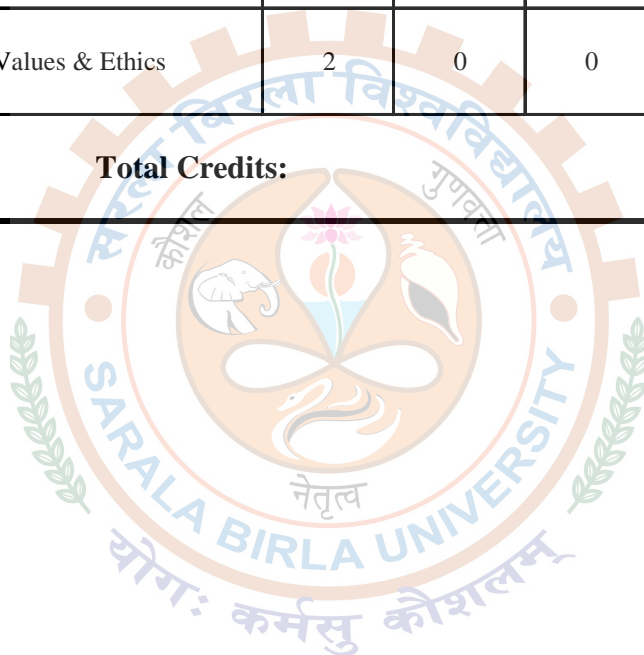
## HUMANITIES & SOCIAL SCIENCES INCLUDING MANAGEMENT COURSE

Sl. No.	Course Code	Course Title	Hours per week			Credits	Preferred Semester
			L	T	P		
1	HSMC-101	English	3	0	0	3	II
2	HSMC-102	Technical Communication	2	0	0	2	III
3	HSMC-103	Technical Communication Lab	0	0	2	1	III
4	HSMC-104	Organisational Behaviour	2	0	0	2	VI
5	HSMC-105	French Through Communicative Approach-I	2	0	0	2	V
6	HSMC-106	French Through Communicative Approach-II	2	0	0	2	VI
7	HSMC-107	Professional Practice, Law & Ethics	2	0	0	2	VII
<b>Total Credits:</b>						<b>14</b>	



## MANDATORY COURSES

Sl. No.	Course Code	Course Title	Hours per week			Credits	Preferred Semester
			L	T	P		
1	MC-101	Induction Program	0	0	0	0	I
2	MC-102	Environmental Science	2	0	0	2	IV
3	MC-103	Values & Ethics	2	0	0	2	IV
<b>Total Credits:</b>						<b>4</b>	



## PROFESSIONAL CORE COURSES

**Branch: Computer Science & Engineering**

Sl. No.	Course Code	Course Title	Hrs. /Week L: T: P	Credits	Preferred Semester
1	PCC-CSE-201	Data Structure & Algorithms	03:00:00	3	III
2	PCC-CSE-202	Data Structure & Algorithms Lab	00:00:04	2	III
3	PCC-CSE-203	Object Oriented Programming	03:00:00	3	III
4	PCC-CSE-204	Object Oriented Programming Lab	00:00:04	2	III
5	PCC-CSE-205	Discrete Mathematics	03:00:00	3	IV
6	PCC-CSE-206	Computer Organization & Architecture	03:00:00	3	IV
7	PCC-CSE-207	Computer Organization & Architecture Lab	00:00:02	1	IV
8	PCC-CSE-208	Design & Analysis of Algorithms	03:00:00	3	IV
9	PCC-CSE-209	Design & Analysis of Algorithms Lab	00:00:04	2	IV
10	PCC-CSE-301	Database Management Systems	03:00:00	3	V
11	PCC-CSE-302	Database Management Systems Lab	00:00:04	2	V
12	PCC-CSE-303	Software Engineering	03:00:00	3	V
13	PCC-CSE-304	Software Engineering Lab	00:00:02	1	V
14	PCC-CSE-305	Formal Language & Automata Theory	03:00:00	3	V
15	PCC-CSE-306	IT Workshop (MATLAB)	01:00:02	2	V
16	PCC-CSE-307	Operating Systems	03:00:00	3	VI
17	PCC-CSE-308	Operating Systems Lab	00:00:04	2	VI
18	PCC-CSE-309	Computer Network	03:00:00	3	VI
19	PCC-CSE-310	Computer Network Lab	00:00:04	2	VI
20	PCC-CSE-401	Compiler Design	03:00:00	3	VII
21	PCC-CSE-402	Compiler Design Lab	00:00:04	2	VII
<b>Total Credits:</b>				<b>51</b>	

## PROFESSIONAL ELECTIVE COURSES

**Branch: Computer Science & Engineering**

Sl. No.	Course Code	Course Title	Hrs./ Week L: T: P	Credits	Preferred Semester
1	PEC-CSE-301	Graph Theory	03:00:00	3	V/VI
2	PEC-CSE-302	Embedded Systems	03:00:00	3	V/VI
3	PEC-CSE-303	Artificial Intelligence	03:00:00	3	V/VI
4	PEC-CSE-304	Internet-of-Things	03:00:00	3	V/VI
5	PEC-CSE-305	Machine Learning	03:00:00	3	V/VI
6	PEC-CSE-306	Cloud Computing	03:00:00	3	V/VI
7	PEC-CSE-307	Cryptography & Network Security	03:00:00	3	V/VI
8	PEC-CSE-308	Cryptography & Network Security Lab	00:00:02	1	V/VI
9	PEC-CSE-309	Introduction to Multimedia	03:00:00	3	V/VI
10	PEC-CSE-310	Introduction to Multimedia Lab	00:00:02	1	V/VI
11	PEC-CSE-311	Computer Graphics	03:00:00	3	V/VI
12	PEC-CSE-312	Computer Graphics Lab	00:00:02	1	V/VI
13	PEC-CSE-313	Web App Development	03:00:00	3	V/VI
14	PEC-CSE-314	Web App Development Lab	00:00:02	1	V/VI
15	PEC-CSE-401	Soft Computing	03:00:00	3	VII/VIII
16	PEC-CSE-402	Cyber Law and Ethics	03:00:00	3	VII/VIII
17	PEC-CSE-403	Data Mining Concepts and Techniques	03:00:00	3	VII/VIII
18	PEC-CSE-404	Natural Language Processing	03:00:00	3	VII/VIII
19	PEC-CSE-405	Bio Inspired Computing	03:00:00	3	VII/VIII
20	PEC-CSE-406	Data Analytics	03:00:00	3	VII/VIII
21	PEC-CSE-407	System Programming	03:00:00	3	VII/VIII
22	PEC-CSE-408	System Programming Lab	00:00:02	1	VII/VIII
23	PEC-CSE-409	Mobile Computing	03:00:00	3	VII/VIII
24	PEC-CSE-410	Mobile Computing Lab	00:00:02	1	VII/VIII
25	PEC-CSE-411	Image Processing	03:00:00	3	VII/VIII
26	PEC-CSE-412	Image Processing Lab	00:00:02	1	VII/VIII
27	PEC-CSE-413	Pattern Recognition	03:00:00	3	VII/VIII
28	PEC-CSE-414	Pattern Recognition Lab	00:00:02	1	VII/VIII

## OPEN ELECTIVE COURSES

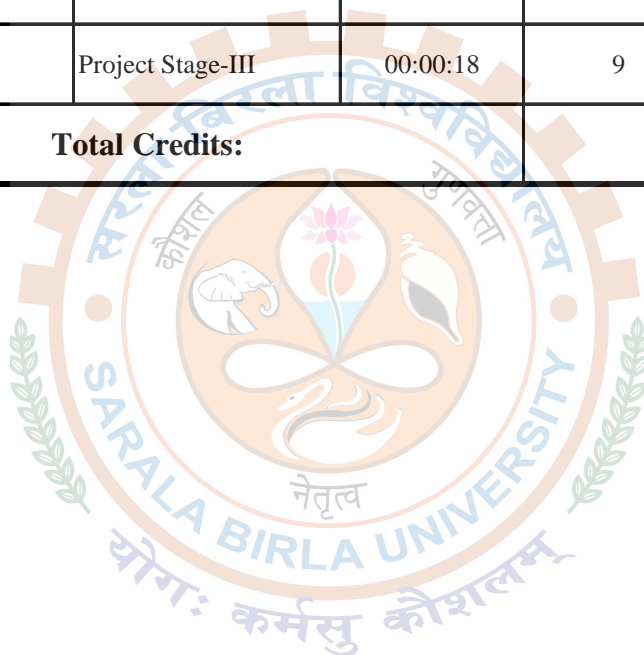
**Branch: Computer Science & Engineering**

Sl. No.	Course Code	Course Title	Hrs./ Week L: T: P	Credits	Preferred Semester
1	OEC-ECE-206	Electrical Circuit Analysis	03:00:00	3	V
2	OEC-ECE-207	Electrical Circuit Analysis Lab	00:00:02	1	V
3	OEC-ECE-208	Analog and Digital Communication	03:00:00	3	V
4	OEC-ECE-209	Analog and Digital Communication Lab	00:00:02	1	V
5	OEC-ECE-210	Analog Circuits	03:00:00	3	V
6	OEC-ECE-211	Analog Circuits Lab	00:00:02	1	V
7	OEC-ECE-205	Signals and Systems	03:00:00	3	VII
8	OEC-CSE-307	Control System	03:00:00	3	VII
9	OEC-ECE-212	Miroprocessors and Microcontroller	03:00:00	3	VIII
10	OEC-ECE-213	Miroprocessors and Microcontroller Lab	00:00:02	1	VIII
11	OEC-ECE-303	Digital System Design	03:00:00	3	VIII
12	OEC-ECE-304	Digital System Design Lab	00:00:02	1	VIII
13	OEC-ECE-305	Digital Signal Processing	03:00:00	3	VIII
14	OEC-ECE-306	Digital Signal Processing Lab	00:00:02	1	VIII

## PROJECT FOR COMPUTER SCIENCE & ENGINEERING BRANCH

**Branch: Computer Science & Engineering**

Sl. No.	Course Code	Course Title	Hrs. /Week L: T: P	Credits	Preferred Semester
1	CSE-P1	Project Stage-I	00:00:04	2	VI
2	CSE-P2	Project Stage-II	00:00:10	5	VII
3	CSE-P3	Project Stage-III	00:00:18	9	VIII
<b>Total Credits:</b>				<b>16</b>	



# COURSE STRUCTURE

## SEMESTER I (FIRST YEAR)

**Branch: Computer Science & Engineering**

Sl. No.	Category	Course Code	Course Title	Hours			Credit	Marks		
				L	T	P		IA	ESE	Total
<b>Theory</b>										
1	Basic Science Course	BSC-101	Physics	3	1	0	4	30	70	100
2	Basic Science Course	BSC-105	Mathematics – I	3	1	0	4	30	70	100
3	Engineering Science Course	ESC-101	Basic Electrical & Electronics Engineering	3	1	0	4	30	70	100
<b>Total(A)</b>							<b>12</b>	<b>90</b>	<b>210</b>	<b>300</b>
<b>Practical/Drawing/Design</b>										
1	Engineering Science Course	ESC-103	Engineering Graphics & Design	1	0	4	3	30	20	50
2	Basic Science Course	BSC-102	Physics Lab	0	0	3	1.5	30	20	50
3	Engineering Science Course	ESC-102	Basic Electrical & Electronics Engineering Lab	0	0	2	1	30	20	50
<b>Total(B)</b>							<b>5.5</b>	<b>90</b>	<b>60</b>	<b>150</b>
<b>Grand Total (A+B)</b>							<b>17.5</b>	<b>180</b>	<b>270</b>	<b>450</b>

**L-Lecture, T-Tutorial, P-Practical**

**IA- Internal Assessment, ESE-End Semester Examination**

# COURSE STRUCTURE

## SEMESTER II (FIRST YEAR]

**Branch: Computer Science & Engineering**

Sl. No.	Category	Course Code	Course Title	Hours			Credit	Marks		
				L	T	P		IA	ESE	Total
<b>Theory</b>										
1	Basic Science Course	BSC-103	Chemistry	3	1	0	4	30	70	100
2	Basic Science Course	BSC-106	Mathematics –II	3	1	0	4	30	70	100
3	Engineering Science Course	ESC-104	Programming for Problem Solving	3	0	0	3	30	70	100
4	Humanities and Social Sciences including Management Courses	HSMC-101	English	3	0	0	3	30	70	100
<b>Total(A)</b>							<b>14</b>	<b>120</b>	<b>280</b>	<b>400</b>
<b>Practical/Drawing/Design</b>										
1	Engineering Science Course	ESC-106	Workshop/ Manufacturing Practices	1	0	4	3	30	20	50
2	Basic Science Course	BSC-104	Chemistry Lab	0	0	3	1.5	30	20	50
3	Engineering Science Course	ESC-105	Programming for Problem Solving Lab	0	0	4	2	30	20	50
<b>Total(B)</b>							<b>6.5</b>	<b>90</b>	<b>60</b>	<b>150</b>
<b>Grand Total (A+B)</b>							<b>20.5</b>	<b>210</b>	<b>340</b>	<b>550</b>

**L-Lecture, T-Tutorial, P-Practical**

**IA- Internal Assessment, ESE-End Semester Examination**

# COURSE STRUCTURE

**SEMESTER III (SECOND YEAR]**

**Branch: Computer Science & Engineering**

Sl. No.	Category	Course Code	Course Title	Hours			Credit	Marks		
				L	T	P		IA	ESE	Total
<b>Theory</b>										
1	Basic Science Course	BSC-107	Mathematics-III	3	1	0	4	30	70	100
2	Engineering Science Course	ESC-108	Electronics Devices	3	0	0	3	30	70	100
3	Humanities and Social Sciences including Management Courses	HSMC-102	Technical Communication	2	0	0	2	30	70	100
4	Professional Core Course	PCC-CSE-201	Data Structure & Algorithms	3	0	0	3	30	70	100
5	Professional Core Course	PCC-CSE-203	Object Oriented Programming	3	0	0	3	30	70	100
<b>Total(A)</b>							<b>15</b>	<b>150</b>	<b>350</b>	<b>500</b>
<b>Practical/Drawing/Design</b>										
1	Humanities and Social Sciences including Management Courses	HSMC-103	Technical Communication Lab	0	0	2	1	30	20	50
2	Engineering Science Course	ESC-109	Electronics Devices Lab	0	0	2	1	30	20	50
3	Professional Core Course	PCC-CSE-202	Data Structure & Algorithms Lab	0	0	4	2	30	20	50
4	Professional Core Course	PCC-CSE-204	Object Oriented Programming Lab	0	0	4	2	30	20	50
<b>Total(B)</b>							<b>6</b>	<b>120</b>	<b>80</b>	<b>200</b>
<b>Grand Total (A+B)</b>							<b>21</b>	<b>270</b>	<b>430</b>	<b>700</b>

**L-Lecture, T-Tutorial, P-Practical**

**IA- Internal Assessment, ESE-End Semester Examination**



# COURSE STRUCTURE

**SEMESTER IV (SECOND YEAR)**

**Branch: Computer Science & Engineering**

Sl. No.	Category	Course Code	Course Title	Hours			Credit	Marks		
				L	T	P		IA	ESE	Total
<b>Theory</b>										
1	Mandatory Course	MC-101	Environmental Science	2	0	0	2	30	70	100
2	Mandatory Course	MC-103	Values & Ethics	2	0	0	2	30	70	100
3	Engineering Science Course	ESC-110	Digital Electronics	3	0	0	3	30	70	100
4	Professional Core Course	PCC-CSE-205	Discrete Mathematics	3	0	0	3	30	70	100
5	Professional Core Course	PCC-CSE-206	Computer Organization & Architecture	3	0	0	3	30	70	100
6	Professional Core Course	PCC-CSE-208	Design & Analysis of Algorithms	3	0	0	3	30	70	100
<b>Total(A)</b>							<b>16</b>	<b>180</b>	<b>420</b>	<b>600</b>
<b>Practical/Drawing/Design</b>										
1	Engineering Science Course	ESC-111	Digital Electronics Lab	0	0	2	1	30	20	50
2	Professional Core Course	PCC-CSE-207	Computer Organization & Architecture Lab	0	0	2	1	30	20	50
3	Professional Core Course	PCC-CSE-209	Design & Analysis of Algorithms Lab	0	0	4	2	30	20	50
<b>Total(B)</b>							<b>4</b>	<b>90</b>	<b>60</b>	<b>150</b>
<b>Grand Total (A+B)</b>							<b>20</b>	<b>270</b>	<b>480</b>	<b>750</b>

**L-Lecture, T-Tutorial, P-Practical**

**IA- Internal Assessment, ESE-End Semester Examination**

# COURSE STRUCTURE

**SEMESTER V (THIRD YEAR]**

**Branch: Computer Science & Engineering**

Sl. No.	Category	Course Code	Course Title	Hours			Credit	Marks		
				L	T	P		IA	ESE	Total
<b>Theory</b>										
1	Humanities and Social Sciences including Management Courses		Foreign Languages-I	2	0	0	2	30	70	100
2	Professional Core Course	PCC-CSE-301	Database Management Systems	3	0	0	3	30	70	100
3	Professional Core Course	PCC-CSE-303	Software Engineering	3	0	0	3	30	70	100
4	Professional Core Course	PCC-CSE-305	Formal Language & Automata Theory	3	0	0	3	30	70	100
5	Professional Elective Course		Professional Elective-1	3	0	0	3	30	70	100
6	Open Elective Course		Open Elective-1	3	0	0	3	30	70	100
<b>Total(A)</b>							<b>17</b>	<b>180</b>	<b>420</b>	<b>600</b>
<b>Practical/Drawing/Design</b>										
1	Professional Core Course	PCC-CSE-302	Database Management Systems Lab	0	0	4	2	30	20	50
2	Professional Core Course	PCC-CSE-304	Software Engineering Lab	0	0	2	1	30	20	50
3	Professional Core Course	PCC-CSE-306	IT Workshop (MATLAB)	1	0	2	2	30	20	50
4	Open Elective Course		Open Elective-1 Lab	0	0	2	1	30	20	50
<b>Total(B)</b>							<b>6</b>	<b>120</b>	<b>80</b>	<b>200</b>
<b>Grand Total (A+B)</b>							<b>23</b>	<b>300</b>	<b>500</b>	<b>800</b>

**L-Lecture, T-Tutorial, P-Practical**

**IA- Internal Assessment, ESE-End Semester Examination**

# COURSE STRUCTURE

**SEMESTER VI (THIRD YEAR)**

**Branch: Computer Science & Engineering**

Sl. No.	Category	Course Code	Course Title	Hours			Credit	Marks		
				L	T	P		IA	ESE	Total
<b>Theory</b>										
1	Humanities and Social Sciences including Management Courses	HSMC-104	Organizational Behaviour	2	0	0	2	30	70	100
2	Humanities and Social Sciences including Management Courses		Foreign Languages-II	2	0	0	2	30	70	100
3	Professional Core Course	PCC-CSE-307	Operating Systems	3	0	0	3	30	70	100
4	Professional Core Course	PCC-CSE-309	Computer Network	3	0	0	3	30	70	100
5	Professional Elective Course		Professional Elective-2	3	0	0	3	30	70	100
6	Professional Elective Course		Professional Elective-3	3	0	0	3	30	70	100
<b>Total(A)</b>							<b>16</b>	<b>180</b>	<b>420</b>	<b>600</b>
<b>Practical/Drawing/Design</b>										
1	Professional Core Course	PCC-CSE-308	Operating Systems Lab	0	0	4	2	30	20	50
2	Professional Core Course	PCC-CSE-310	Computer Network Lab	0	0	4	2	30	20	50
3	Professional Elective Course		Professional Elective-2 Lab	0	0	2	1	30	20	50
4	Project Stage-I	CSE-P1	Mini Project/ Computer Science and Engineering Workshop	0	0	4	2	75	25	100
<b>Total(B)</b>							<b>7</b>	<b>165</b>	<b>85</b>	<b>250</b>
<b>Grand Total (A+B)</b>							<b>23</b>	<b>345</b>	<b>505</b>	<b>850</b>

**L-Lecture, T-Tutorial, P-Practical**

**IA- Internal Assessment, ESE-End Semester Examination**

# COURSE STRUCTURE

**SEMESTER VII (FOURTH YEAR]**

**Branch: Computer Science & Engineering**

Sl. No.	Category	Course Code	Course Title	Hours			Credit	Marks		
				L	T	P		IA	ESE	Total
<b>Theory</b>										
1	Humanities and Social Sciences including Management Courses	HSMC-107	Professional Practice, Law & Ethics	2	0	0	2	30	70	100
2	Professional Core Course	PCC-CSE-401	Compiler Design	3	0	0	3	30	70	100
3	Professional Elective Course		Professional Elective-4	3	0	0	3	30	70	100
4	Professional Elective Course		Professional Elective-5	3	0	0	3	30	70	100
5	Open Elective Course		Open Elective-2	3	0	0	3	30	70	100
<b>Total(A)</b>							<b>14</b>	<b>150</b>	<b>350</b>	<b>500</b>
<b>Practical/Drawing/Design</b>										
1	Professional Core Course	PCC-CSE-402	Compiler Design Lab	0	0	4	2	30	20	50
2	Professional Elective Course		Professional Elective-4 Lab	0	0	2	1	30	20	50
3	Project Stage-II	CSE-P2	Project Work	0	0	10	5	150	50	200
<b>Total(B)</b>							<b>8</b>	<b>210</b>	<b>90</b>	<b>300</b>
<b>Grand Total (A+B)</b>							<b>22</b>	<b>360</b>	<b>440</b>	<b>800</b>

**L-Lecture, T-Tutorial, P-Practical**

**IA- Internal Assessment, ESE-End Semester Examination**

# COURSE STRUCTURE

**SEMESTER VIII (FOURTH YEAR]**

**Branch: Computer Science & Engineering**

Sl. No.	Category	Course Code	Course Title	Hours			Credit	Marks		
				L	T	P		IA	ESE	Total
<b>Theory</b>										
1	Professional Elective Course		Professional Elective-6	3	0	0	3	30	70	100
2	Open Elective Course		Open Elective-3	3	0	0	3	30	70	100
<b>Total(A)</b>							<b>6</b>	<b>60</b>	<b>140</b>	<b>200</b>
<b>Practical/Drawing/Design</b>										
1	Open Elective Course		Open Elective-3 Lab	0	0	2	1	30	20	50
2	Project Stage-III	CSE-P3	Project Work & Dissertation	0	0	18	9	300	100	400
<b>Total(B)</b>							<b>10</b>	<b>330</b>	<b>120</b>	<b>450</b>
<b>Grand Total (A+B)</b>							<b>16</b>	<b>390</b>	<b>260</b>	<b>650</b>

**L-Lecture, T-Tutorial, P-Practical**

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