

### Curriculum Session 2017-18

School Name : School of Engineering & Information Technology

Programme Name : B.Tech.

Branch : Computer Science & Engineering

SEMESTER : I						
S. No.	Course Code	Course Title	L	T	P	C
1	MAT 101	Mathematics-I	3	1	-	4
2	PHY 101/CHY 101	Modern Physics/General Chemistry	3	1	-	4
3	EEE 101/ ECE 101	Basic Electrical Engineering/Basic Electronics Engineering	3	-	-	3
4	CSE 101/ MEE 101	Computer System & Programming in C/Engineering Mechanics	3	-	-	3
5	EVS 101/ PSY 101	Environmental Science/Sociology and Psychology	3	-	-	3
6	CSE 151/ MEE 151	Computer System & Programming Lab/ Engineering Mechanics Lab	-	-	2	1
7	EEE 151 / ECE 151	Electrical Engineering Lab/ Electronics Engineering Lab	-	-	2	1
8	MEE 153 / MEE 155	Computer Aided Engineering Graphics Lab/ Product Realization through Manufacturing	-	-	4	2
9	PHY 151 / CHY 151	Modern Physics Lab/ General Chemistry Lab	-	-	2	1
10	BLL 151	Life Skill (Communication Skill)	-	-	4	2
<b>TOTAL NO. OF CREDITS</b>						<b>24</b>
SEMESTER : II						
S. No.	Course Code	Course Title	L	T	P	C
1	MAT 102	Mathematics-II	3	1	-	4
2	PHY 101/CHY 101	Modern Physics/General Chemistry	3	1	-	4
3	EEE 101/ ECE 101	Basic Electrical Engineering/Basic Electronics Engineering	3	-	-	3
4	CSE 101/ MEE 101	Computer System & Programming in C/Engineering Mechanics	3	-	-	3
5	EVS 101/ PSY 101	Environmental Science/Sociology and Psychology	3	-	-	3
6	CSE 151/ MEE 151	Computer System & Programming Lab/ Engineering Mechanics Lab	-	-	2	1
7	EEE 151 / ECE 151	Electrical Engineering Lab/ Electronics Engineering Lab	-	-	2	1
8	MEE 153 / MEE 155	Computer Aided Engineering Graphics Lab/ Product Realization through Manufacturing	-	-	4	2
9	PHY 151 / CHY 151	Modern Physics Lab/ General Chemistry Lab	-	-	2	1
10	BLL 152	Life Skill (Human Values & Ethics)	-	-	4	2
<b>TOTAL NO. OF CREDITS</b>						<b>24</b>
SEMESTER-III						
S. No.	Course Code	Course Title	L	T	P	C
1	MAT 201	Mathematics-III	3	1	0	4
2	CSE 201	Discrete Structure	3	0	0	3
3	CSE 203	Data Structures and Algorithms	3	0	0	3
4	CSE 205	Computer Architecture and Organization	3	0	0	3
5	CSE 207	Digital Design	3	0	0	3
6	CSE 209	Object Oriented Programming	3	0	0	3
7	CSE 251	Object Oriented Programming Lab	0	0	2	1
8	CSE 253	Data Structures and Algorithms Lab	0	0	2	1
9	CSE 255	Digital Design Lab	0	0	2	1
10	BLL 251	Life Skill (Technical Communication)	0	0	4	2
<b>TOTAL NO. OF CREDITS</b>						<b>24</b>
SEMESTER-IV						
S. No.	Course Code	Course Title	L	T	P	C
1	MAT 202	Statistical and Numerical Methods	3	0	0	3
2	CSE 202	Introduction to PHP	3	0	0	3
3	CSE 204	Theory of Automata and Formal Languages	3	0	0	3
4	CSE 206	Operating System	3	0	0	3
5	CSE 208	Database Management Systems	3	0	0	3
6	MGT 202	Principles of Management	3	0	0	3
7	MAT 252	Statistical and Numerical Methods Lab	0	0	2	1
8	CSE 252	Operating System Lab	0	0	2	1
9	CSE 254	Database Management Systems Lab	0	0	2	1
10	CSE 256	PHP Lab	0	0	2	1
11	BLL 252	Life Skill (Soft Skill)	0	0	4	2
<b>TOTAL NO. OF CREDITS</b>						<b>24</b>

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SEMESTER-V						
S. No.	Course Code	Course Title	L	T	P	C
1	CSE 301	Software Engineering	3	0	0	3
2	CSE 303	Design and Analysis of Algorithms	3	0	0	3
3	CSE 305	Compiler Design	3	0	0	3
4	CSE 307	Computer Networks	3	0	0	3
5		Open Elective -I	0	0	4	2
7		Programme Elective- I	3	0	0	3
8	CSE 351	Design and Analysis of Algorithms Lab	0	0	2	1
9	CSE 353	Compiler Design Lab	0	0	2	1
10	CSE 355	Computer Networks Lab	0	0	2	1
11	BLL 351	Life Skill (Aptitude Building)	0	0	4	2
12	CSE 357	Technical proficiency in Computer Science and Engineering-I	0	0	2	1
<b>TOTAL NO. OF CREDITS</b>						<b>23</b>
SEMESTER-VI						
S. No.	Course Code	Course Title	L	T	P	C
1	CSE 302	Microprocessors and Interfacing	3	0	0	3
2	CSE 304	Computer Graphics	3	0	0	3
3	CSE 306	APP DEVELOPMENT FOR ANDROID	3	0	0	3
4		Programme Elective- II	3	0	0	3
5		Programme Elective- III	3	0	0	3
6		Open Elective -II	3	0	0	3
7	CSE 352	APP DEVELOPMENT FOR ANDROID Lab	0	0	2	1
8	CSE 354	Microprocessors and Interfacing Lab	0	0	2	1
9	CAC 300	Campus-to-Corporate	0	0	4	2
10	CSE 356	Technical proficiency in Computer Science and Engineering-II	0	0	2	1
<b>TOTAL NO. OF CREDITS</b>						<b>23</b>
SEMESTER-VII						
S. No.	Course Code	Course Title	L	T	P	C
1	CSE 401	Web Technology	3	0	0	3
2	ECE 401	Mobile Computing and Adhoc Network	3	0	0	3
3	CSE 403	Criptography & Network Security	3	0	0	3
4	CSE 405	Artificial Intelligence	2	0	0	2
5		Program Elective - IV	3	0	0	3
6		Program Elective - V	3	0	0	3
7	CSE 451	Web Technology Lab	0	0	2	1
8	CSE 453	Technical proficiency in Computer Science and Engineering-III	0	0	2	1
9	CSE 400	Industrial Internship	0	0	0	2
<b>TOTAL NO. OF CREDITS</b>						<b>21</b>
SEMESTER-VIII						
S. No.	Course Code	Course Title	L	T	P	C
1	CSE 402	Project	-	-	-	20
<b>TOTAL NO. OF CREDITS</b>						<b>20</b>
Open Elective I						
S. No.	Course Code	Course Title	L	T	P	C
1	GER 101	Foreign Language(German)	0	0	4	2
2	FRE 101	Foreign Language(French)	0	0	4	2
3	JAP 101	Foreign Language(Japanese)	0	0	4	2
4	FPA 101	Fine & Performing Art	0	0	4	2
5	ECA 101	Extra cocurricular activities	0	0	4	2

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Open Elective II						
S. No.	Course Code	Course Title	L	T	P	C
1	CSE 312	Internet of Things	2	0	0	2
2	ECE 306	Robotics	2	0	0	2
3	ECE 308	Renewable Energy Resources	2	0	0	2
4	CLE 308	Natural Disaster and Mitigation management	2	0	0	2
Program Elective I						
S. No.	Course Code	Course Title	L	T	P	C
1	CSE 309	ANDROID Application for Mobile	3	0	0	3
2	CSE 311	Parallel Algorithm	3	0	0	3
3	CSE 313	Principle of Programming Language	3	0	0	3
4	CSE 315	Digital Image Processing	3	0	0	3
Program Elective II						
S. No.	Course Code	Course Title	L	T	P	C
1	CSE 314	Enterprise Resource Planning	3	0	0	3
2	CSE 316	Data Mining and Data Warehousing	3	0	0	3
3	CSE 318	Software Project Management	3	0	0	3
4	CSE 320	Linux & Shell Programming	3	0	0	3
Program Elective III						
S. No.	Course Code	Course Title	L	T	P	C
1	CSE 322	Big Data Analysis	3	0	0	3
2	CSE 324	Distributed System	3	0	0	3
3	CSE 326	Core Java	3	0	0	3
4	CSE 328	Real Time System	3	0	0	3
Program Elective IV						
S. No.	Course Code	Course Title	L	T	P	C
1	CSE 407	Digital Marketing	3	0	0	3
2	CSE 409	Pattern Recognition	3	0	0	3
3	CSE 411	ASP.NET	3	0	0	3
4	CSE 413	Neural Network	3	0	0	3
Program Elective V						
S. No.	Course Code	Course Title	L	T	P	C
1	CSE 415	E-Commerce & Applications	3	0	0	3
2	CSE 417	Data Compression	3	0	0	3
3	CSE 419	Software Testing	3	0	0	3
4	CSE 421	Embedded System	3	0	0	3