

**Curriculum Session 2017-18**

School Name : School of Engineering & Information Technology						
Programme Name : B.Tech.				Branch : Civil 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>
III SEMESTER						
Sl. No.	Course Code	Course Title	L	T	P	C
1	MAT 201	Mathematics III	3	1	0	4
2	MEE 201	Fluid Mechanics & Machinery	3	0	0	3
3	MEE 203	Mechanics of solids	3	0	0	3
4	CLE 201	Engineering Geology	3	0	0	3
5	CLE 203	Surveying	3	0	0	3
6	CLE 205	Building Materials and Technology	3	0	0	3
7	MEE 251	Fluid Mechanics & Machinery Lab	0	0	2	1
8	CLE 251	Surveying Lab	0	0	2	1
9	CLE 251	Building Materials and Technology Lab	0	0	2	1
10	BLL 251	Life Skill (Technical Communication)	0	0	4	2
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IV SEMESTER						
Sl. No.	Course Code	Course Title	L	T	P	C
1	MAT 202	Satistical and Numerical Methods	3	0	0	3
2	CLE 202	Soil Mechanics	3	0	0	3
3	CLE 204	Transportation Engineering	3	0	0	3
4	CLE 206	Water Resources Engineering	3	0	0	3
5	CLE 208	Principles and Design of Water Supply and Treatment Systems	3	0	0	3
6	CLE 210	Hydraulics and Hydraulics Machines	3	0	0	3
7	CLE 252	Transportation Engineering Lab-1	0	0	2	1
8	CLE 254	Hydraulics and Hydraulic Machines Laboratory	0	0	2	1
9	CLE 256	Soil Mechanics Laboratory	0	0	2	1
10	MAT 252	Satistical and Numerical Methods 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>
V SEMESTER						
Sl. No.	Course Code	Course Title	L	T	P	C
1	CLE 301	Concrete Technology	3	0	0	3
2	CLE 303	Structural Analysis	3	0	0	3
3	CLE 305	Transportation Engineering-2	3	0	0	3
4	CLE 307	Principles and Design of Waste Water Treatment & Disposal Systems	3	0	0	3
6		Open Elective -I	0	0	4	2
7		Programme Elective- I	3	0	0	3
8	CLE 351	Concrete Testing Laboratory	0	0	2	1
10	CLE 353	Transportation Engineering Lab-2	0	0	2	1
11	CLE 355	Structural Analysis Laboratory	0	0	2	1
12	BLL 351	Life Skill (Aptitude Building)	0	0	4	2
13	CLE 357	Technical proficiency in Civil Engg-I	0	0	2	1
<b>TOTAL NO. OF CREDITS</b>						<b>23</b>
VI SEMESTER						
Sl. No.	Course Code	Course Title	L	T	P	C
1	CLE 302	Reinforced Concrete Structures	3	0	0	3
2	CLE 304	Advanced Structural Analysis	3	0	0	3
3	CLE 306	Natural Disaster Mitigation and Management	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
8	CLE 352	Estimation costing & Valuation	0	0	2	1
9	CLE 354	Survey Camp	0	0	2	1
10	CLE 356	Campus-to-Corporate	0	0	4	2
11	CLE 358	Technical proficiency in Civil Engg-II	0	0	2	1
<b>TOTAL NO. OF CREDITS</b>						<b>23</b>
VII SEMESTER						
Sl. No.	Course Code	Course Title	L	T	P	C
1	CLE 401	Construction Planning and Management	3	0	0	3
2	CLE 403	Design of Steel Structures	3	0	0	3
3	CLE 405	Quantity Surveying and Estimating	2	0	0	2
4	CLE 407	Design & Drawing(RCC , Steel & Environment)	3	0	0	3
5		Elective-IV	3	0	0	3
6		Elective-V	3	0	0	3
8	MEE 451	CAD Lab	0	0	4	1
9	CLE 451	Technical proficiency in Civil Engg-III	0	0	2	1
10	CLE 400	Industrial Internship	0	0	0	2
<b>TOTAL NO. OF CREDITS</b>						<b>21</b>

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VIII SEMESTER						
Sl. No.	Course Code	Course Title	L	T	P	C
1	CLE 402	Project Work	-	-	-	20
<b>TOTAL NO. OF CREDITS</b>						<b>20</b>
OPEN ELECTIVE-I						
Sl. 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
OPEN ELECTIVE-II						
S. No.	Course Code	Course Title	L	T	P	C
1	CSE 310	Cloud Computing	3	0	0	3
2	ECE 306	Robotics	3	0	0	3
3	ECE 308	Renewable Energy Resources	3	0	0	3
4	CSE 312	Internet of Things	3	0	0	3
PROGRAMME ELECTIVE-I						
Sl. No.	Course Code	Course Title	L	T	P	C
1	CLE 309	Socio-economic studies & EIA	3	0	0	3
2	CLE 311	Ground Improvement Techniques	3	0	0	3
3	CLE 313	Pollution Control and Monitoring	3	0	0	3
4	CLE 315	Applications of Matrix Methods in Structural analysis	3	0	0	3
PROGRAMME ELECTIVE-II						
Sl. No.	Course Code	Course Title	L	T	P	C
1	CLE 310	Traffic Engineering	3	0	0	3
2	CLE 312	Open Channel Hydraulics	3	0	0	3
3	CLE 314	Architecture and Town Planning	3	0	0	3
4	CLE 316	Design with STADD pro	3	0	0	3
PROGRAMME ELECTIVE-III						
Sl. No.	Course Code	Course Title	L	T	P	C
1	CLE 318	Economics and Project Finance for Civil Engineers	3	0	0	3
2	CLE 320	Highway Pavement Design	3	0	0	3
3	CLE 322	Earthquake Engineering	3	0	0	3
4	CLE 324	Structures on Expansive Soils	3	0	0	3
PROGRAMME ELECTIVE-IV						
Sl. No.	Course Code	Course Title	L	T	P	C
1	CLE 409	Ground water Engineering	3	0	0	3
2	CLE 411	River Engineering	3	0	0	3
3	CLE 413	Open Channel Flow	3	0	0	3
4	CLE 415	Mass Transport Management	3	0	0	3
PROGRAMME ELECTIVE-V						
Sl. No.	Course Code	Course Title	L	T	P	C
1	CLE 417	Operation and Management of Irrigation & Drainage Systems	3	0	0	3
3	CLE 419	Soil Dynamics and Machine Foundation	3	0	0	3
5	CLE 421	Tunnel Engineering	3	0	0	3
6	CLE 423	Bridge Engineering	3	0	0	3