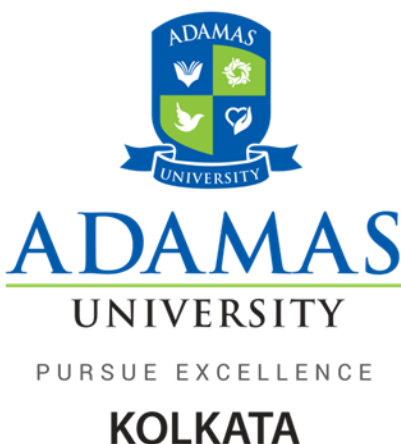




**ADAMAS UNIVERSITY
SCHOOL OF ENGINEERING & TECHNOLOGY**

**B.Tech. Civil Engineering
Course Structure**

Academic Year 2020-21

- [NOTE: 1. Yellow highlight colour (Similarity of Courses with Adamas University & AICTE)**
- 2. Red front colour (Similarity of Courses with Adamas University & SRM)**

SEMESTER I									
S. No	Type		Course Title	Subject Codes	L	T	P	Contact Hrs/wk	Credits
1	Theory		Engineering Mathematics-I	MTH1150 1	3	1	0	4	4
2	Theory		Applied Science	PHY11201	3	0	0	3	3
3	Theory		Introduction to Programming / Electrical and Electronics Technology	CSE11001 GEE11001	3	0	0	3	3
4	Theory		HSSM –I (English Communication- I)	ENG11053	3	0	0	3	3
5	Theory		Life Sciences	BIT11003	3	0	0	3	3
6	Theory		Design Thinking	DGS11001	2	0	0	2	2
7	Practical		Applied Science Lab	PHY12202	0	0	3	3	2
8	Practical		Programming Lab / Electrical and Electronics Technology Lab	CSE12002 GEE12002	0	0	3	3	2
9	Practical		Engineering Drawing and CAD/ Engineering Workshop	CEE12001 MEE12001	0	0	3	3	2
10	Practical		Communication and Collaboration Skill –I	ENG11043	0	0	2	2	1
11	Practical		Capstone Project-I	GEE14003	0	0	2	2	1
Total					17	1	3	31	26

SEMESTER II									
S. No	Type		Course Title	Subject Codes	L	T	P	Contact Hrs/wk	Credits
1.	Theory		Engineering Mathematics– II	MTH1150 2	3	1	0	4	4
2.	Theory		Electrical and Electronics Technology/ Introduction to Programming	GEE11001 CSE11001	3	0	0	3	3
3.	Theory		Engineering Mechanics	MEE11002	3	1	0	4	4

4.	Theory	Environmental Science	EVS11107	3	0	0	3	3
5.	Practical	Electrical and Electronics Technology Lab/ Programming Lab	GEE12002 CSE12002	0	0	3	3	2
6.	Practical	Engineering Workshop/ Engineering Drawing and CAD	MEE12001 CEE12001	0	0	3	3	2
7.	Practical	Communication and Collaboration Skill –II	ENG11044	0	0	2	2	1
8.	Practical	Capstone Project-II	GEE14004	0	0	2	2	1
9.	Practical	Interdisciplinary Project	IDP14001	0	0	5	5	3
Total				12	2	15	29	23

Total Credits (First Year): 49

HSSM: Humanities, Social Sciences & Management

BSC: Basic Science

ESC: Engg. Science

SECOND YEAR

Semester-III								
S. No	Type	Subject Name	Subject Codes	L	T	P	Contact Hrs/wk	Credits
1.	Theory BSC	Engineering Mathematics– III A	MTH1152 9	3	1	0	4	4
2.	Theory ESC	Engineering Geology	CEE11002	3	0	0	3	3
3.	Theory HSSM	HSSM-IV (Economics for Engineers)	ECO11505	3	0	0	3	3
4.	Theory PC	Prof. Core – I Building Planning and Materials	CEE11003	3	0	0	3	3
5.	Theory PC	Prof. Core – II Fluid Mechanics & Hydraulic Machinery	CEE11004	3	0	0	3	3

6.	Theory PC	Prof. Core – III Structural Mechanics I	CEE11005	3	0	0	3	3
7.	Theory	Venture Ideation	EIC11001	2	0	0	2	2
8.	Practical PC	Prof. Core Lab – I Fluid Mechanics Lab	CEE12006	0	0	3	3	2
9.	Practical	Capstone Project-III	GEE14005	0	0	2	2	1
10.	Practical	# Community Service	SOC14100	-	-	-	-	1
Total				20	1	5	26	25

Community Service will be taken up during the summer vacation of II Semester and evaluated in III Semester.

SEMESTER-IV									
S. No	Type		Subject Name	Subject Codes	L	T	P	Contact Hrs/wk	Credits
1.	Theory BSC		Engineering Mathematics-IV (Numerical Techniques)	MTH11530	3	0	0	3	3
2.	Theory PC		Prof. Core – IV Structural Mechanics II	CEE11007	3	0	0	3	3
3.	Theory PC		Prof. Core – V Soil Mechanics	CEE11008	3	0	0	3	3
4.	Theory PC		Prof. Core – VI Surveying	CEE11009	3	0	0	3	3
5.	Theory PC		Prof. Core – VII Water Resources Engineering	CEE11010	3	0	0	3	3
6.	Theory		Human Values & Ethics and Psychology	PSG11021	2	0	0	2	2
7.	Practical BSC		Numerical Techniques Lab	MTH12531	0	0	3	3	2
8.	Practical PC		Prof. Core Lab – II Surveying Practice Lab	CEE12011	0	0	3	3	2
9.	Practical PC		Prof. Core Lab – III Solid Mechanics Lab	CEE12012	0	0	3	3	2
10.	Practical		Capstone Project-IV	GEE14006	0	0	2	2	1
Total					17	0	11	28	24

Total Credit (Second Year): 49

THIRD YEAR

SEMESTER –V									
S. No	Type		Subject Name	Subject Codes	L	T	P	Contact Hrs /week	Credits
1.	Theory PC		Prof. Core – VIII Design of RC Structure	CEE11013	3	0	0	3	3
2.	Theory PC		Prof. Core – IX Foundation Engineering	CEE11014	3	0	0	3	3
3.	Theory PC		Prof. Core – X Transportation Engineering	CEE11015	3	0	0	3	3
4.	Theory PE		Prof. Elective – I 1.Earthquake Engineering 2.Concrete Technology 3.Solid Waste Management	CEE11017 CEE11018 CEE11019	3	0	0	3	3
5.	Practical PC		Prof. Core Lab – IV Geotechnical Engineering Lab	CEE12020	0	0	3	3	2
6.	Practical PC		Prof. Core Lab – V Transportation Engineering Lab	CEE12021	0	0	3	3	2
7.	Practical PC		Prof. Core Lab – VI Civil Engineering Drawing	CEE12022	0	0	3	3	2
8.	Practical		Capstone Project-V	GEE1400 7	0	0	2	2	1
Total					15	1	14	30	25

SEMESTER –VI									
S. No	Type		Subject Name	Subject Codes	L	T	P	Contact Hrs /wk	Credits
1.	Theory PC		Prof. Core – XI Design of Steel Structure	CEE11024	3	0	0	3	3
2.	Theory PC		Prof. Core – XII Environmental Engineering	CEE11025	3	0	0	3	3

3.	Theory PE	Prof. Elective – II 1. Remote Sensing & GIS 2. Advanced Construction Materials & Techniques 3. Advanced Structural Analysis	CEE11026 CEE11027 CEE11028	3	0	0	3	3
4.	Theory OE	Open Elective – I 1. Disaster Management 2. Dream House Construction	CEE11029 CEE11030	2	0	0	2	2
5.	Practical PC	Prof. Core Lab – VIII Environmental Engineering Lab	CEE12033	0	0	3	3	2
6.	Practical (Sessional) PC	Prof. Core Lab – IX Estimation & Valuation	CEE12034	0	0	3	3	2
7.	Practical PC	Prof. Elective-II Lab 1. Remote Sensing & GIS Lab 2. Advanced Structural Analysis Lab	CEE12035 CEE12036	0	0	3	3	2
Total				17	1	12	30	26

Total Credit (Third Year): 51

FOURTH YEAR

SEMESTER-VII									
S. N o	Type	Subject Name	Subject Codes	L	T	P	Contact Hrs/week	Credit s	
1.	Theory HSSM	HSSM –V (Industrial Management)	MGT1140 2	3	0	0	3	3	
2.	Theory PE	Prof. Elective – III 1. Air Pollution Control Engineering 2. Construction Planning & Management 3. Advanced RC Design	CEE11038 CEE11039 CEE11040	3	0	0	3	3	

3.	Theory PE	Prof. Elective – IV 1. Repair and Rehabilitation of Structures 2. Prestressed Concrete 3. Environmental Impact Assessment	CEE11041 CEE11042 CEE11043	3	0	0	3	3
4.	Theory OE	Open Elective – II 1. Industrial Waste Management 2. Energy Conservation Techniques in Building	CEE11044 CEE11045	3	0	0	3	3
5.	Theory OE	Open Elective – III 1. Conservation of Water Resources 2. Sustainable Development	CEE11046 CEE11047	3	0	0	3	3
7.	Practical PC	Prof. Elective III Lab Air Pollution Control Lab/ Construction Planning & Management Lab / Advanced RC Design Lab	CEE12049 CEE12050 CEE12051	0	0	3	3	2
9.	Practical PC	Summer Internship [#]	CEE14053	-	-	-	-	2
10.	Practical PC	Minor Project	CEE14054	0	0	6	6	3
Total				18	0	12	30	27

Summer Internship for 30 days will be taken at the end of 6th semester and will be evaluated in the 7th semester.

Semester-VIII								
S. No	Type	Subject Name	Subject Codes	L	T	P	Contact Hrs/week	Credits
1.	Practical	Industry Work Experience / SIRE* / Major Project	CEE14056 CEE14057 CEE14058	0	0	12	12 (For Major Project only)	5
2.	Practical	Comprehensive Viva Voce	CEE15059	-----			-----	2
Total				3	0	12	15	12

*SIRE: Scientific Investigation & Research Experience