



Course Structure and Syllabus

For

2 Year M. Tech Programme

In Structural Engineering

w. e. f 2019-20

Department of Civil Engineering

Aliah University

II A/ 27, Newtown, Kolkata 700156,

West Bengal, India

Jafar Sadek
08/03/19

Sund
08/03/19

AKD
5/3/19

AKD
8/3/19

AKD
5/3/2019

Nasim

Mehsin Javed
8/3/19

AKD
8/3

AKD
08/03/2019

AKD
08/03/19

AKD
08/03/19



ALIAH UNIVERSITY

Curriculum for M. Tech in Civil Engineering Department

1st YEAR 1st SEMESTER

S. No.	Course code	Name of the course	Periods per week				Credit
			L	T	P	T	
1	CE 601	Numerical Analysis	3	1	0	4	4
2	CE 603	Advanced Structural Analysis (FEM)	3	1	0	4	4
3	CE 605	Structural Dynamics & Earthquake Engineering	3	1	0	4	4
4	CE 607	Elective-I	3	1	0	4	4
5	CE 609	Elective-II	3	1	0	4	4
TOTAL PERIOD PER WEEK							20
TOTAL CREDIT							20

1st YEAR 2nd SEMESTER

Sl no	Paper code	Name of the paper	Periods per week				Credit
			L	T	P	T	
1	CE 602	Theory of Elasticity & Plasticity	3	1	0	4	4
2	CE 604	Earthquake Resistant Design of Structures	3	1	0	4	4
3	CE 606	Elective-III	3	1	0	4	4
4	CE 608	Elective-IV	3	1	0	4	4
5	CE 671	Seminar			2	2	2
6	CE 681	Structure Lab			3	3	2
TOTAL PERIOD PER WEEK							21
TOTAL CREDIT							20

Jaffer Seddahi 08/03/19
 M. T. B. 08/03/19
 Sumud 08/03/19
 Mohsin Javed 8/3/19



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2nd YEAR 3rd SEMESTER

Sl no	Paper code	Name of the paper	Periods per week				Credit
			L	T	P	T	
1	CE 691	Dissertation Part-I	-	-	-	-	12
2	CE 693	Viva-voce-I	-	-	-	-	2
TOTAL CREDIT							14

2nd YEAR 4TH SEMESTER

Sl no	Paper code	Name of the paper	Periods per week				Credit
			L	T	P	T	
1	CE 692	Dissertation Part-II	-	-	-	-	12
2	CE 694	Viva-voce-II	-	-	-	-	4
TOTAL CREDIT							16

Jafar Sadam Az
08/03/19

Sunil
08/03/19

M
08/03/19

08/03/2019

08/03/19

Narasimha

Mahsin Javed
8/3/19

08/03/2019

08/03/19

08/03/19

08/03/19



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List of Elective Subjects

Elective-I

1. Soil Structure Interaction
2. Advanced Foundation Design
3. Earthquake Geotechnical Engineering

Elective-II

- 1 Prestressed Concrete
- 2 Advanced Structural Design
- 3 Design of Tall Buildings
- 4 Stability of Structures

Elective-III

1. Bridge Engineering
2. Composite Materials and Structures
3. Advanced Concrete Technology
4. Theory of Plates & Shells

Elective-IV

1. Optimization of Structures
2. Reliability Analysis of Structures
3. Structural Health Monitoring & Rehabilitation of Structures
4. Advanced Construction Techniques

Jafar Sedah A.
08/03/19

Sund
08/03/19

APD
8/3/19

Mula
08/03/19

08/03/2019

Nasir

08/3

08/3

Gulzar Khan
08/03/19

Mohsin Jamel
8/3/19

Atkam
8/3/2019