

**SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY: PUTTUR****(AUTONOMOUS)**

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**3<sup>rd</sup> BOS Meeting of Civil Engineering (CE)**

Date: 18-06-2018

The 3<sup>rd</sup> meeting of Board of Studies (BOS) in Civil Engineering is held on 18 June, 2018 at 2:00 pm in the Department of Civil Engineering, Siddharth Institute of Engineering & Technology, Puttur, Chittoor –Dist.

As per the UGC (University Grant Commission) guidelines, the Choice Based Credit System (CBCS) and electives have been implemented in the curriculum.

Mr. C. Siva Kumar Prasad, Chairman BOS chaired the meeting and welcomed all the members to the 3<sup>rd</sup> BOS meeting and discussed about the following agenda

**Agenda:**

1. Approval of course structure for I & II year UG & PG in Civil w.e.f., A.Y.2018-19.
2. Approval of syllabus for I & II year UG & PG in Civil w.e.f., A.Y.2018-19.
3. Approval of syllabus for the subjects offered to various branches w.e.f. 2018-19.
4. Approval of Panel of Question Paper setters.
5. Approval of Panel of Examiners.
6. Any other item

After a brief introduction the agenda items listed above were taken up for discussion and the following resolutions were passed.

### Minutes:

#### Agenda: 1

Approval of course structure for I & II year UG & PG in Civil w.e.f., A.Y.2018-19

#### Resolution: 1

After detailed discussion the BOS resolved to approve the course structure for I & II year UG & PG (Civil) (given in **Annexure –I**) applicable from the A.Y.2018-19.

#### Agenda: 2

Approval of syllabus for I & II year UG & PG in Civil w.e.f., A.Y.2018-19

#### Resolution: 2

After the thorough discussion syllabus was framed to make the students acquire the required technical knowledge and skills. The BOS resolved to approve the syllabi framed for the I and II year B.Tech I & II-Semesters (given in **Annexure-II**)

### A. Course & Syllabus Comparison

With reference to the R16 regulations, the new regulation (R18) syllabus for I & II Year has the following modifications, which are given in the below table.

#### I & II B.Tech

S. No	R16 Regulation	R18 Regulation	Percentage of course content changed
1	Functional English	English	10
2	Engineering Mathematics – I	Mathematics – I	0
3	Engineering Physics	Physics	20
4	Computer Programming	Programming for Problem Solving	0
5	Engineering Physics Lab	Physics Lab	0
6	Computer Programming Lab	Programming for Problem Solving Lab	0
7	Engineering & IT Workshop Lab	Workshop Practice Lab	0

8	Engineering Mathematics – II	Mathematics – II	0
9	Engineering Chemistry	Chemistry	40
10	Engineering Graphics	Engineering Graphics & Design	0
11	Engineering Mechanics	Engineering Mechanics	20
12	English Language and Communication Skills Lab	English Lab	0
13	Engineering Chemistry Lab	Chemistry Lab	0
14	Engineering Mathematics – III	Transform & Discrete Mathematics	0
15	Electrical & Mechanical Technology	Basic Electrical and Electronics Engineering	50
16		Mechanical Engineering	50
17	Strength of Materials – I	Introduction to Solid Mechanics	28
18	Surveying	Surveying & Geomatics	0
19	Fluid Mechanics	Introduction to Fluid Mechanics	25
20	Building Materials & Construction	Materials, Testing & Evaluation	60
21	Surveying Lab – I	Surveying Lab – I	0
22	Strength of Materials Lab	Solid Mechanics Lab	0
23	Environmental Studies	Environmental Sciences	0
24	Computer Aided Drawing Lab	Computer Aided Building Drawing lab	0
25	Strength of Materials – II	Mechanics of Solids	60
26	Fluid Mechanics & Hydraulic Machinery Lab	Fluid Mechanics Lab	0
27	Engineering Geology	Engineering Geology	0
28	Engineering Geology Lab	Engineering Geology Lab	0
29		Indian Constitution	100
30		Biology for Engineers	100
31		Introduction to Civil Engineering	100
32		Essence of Indian Traditional Knowledge	100



**Consolidated Sheet**

<b>Course</b>	<b>Total courses</b>	<b>Percentage of syllabus changed</b>
<b>I &amp; II Year B.Tech CE</b>	<b>32</b>	<b>23.84</b>

**B. Course Relevance**

The course that comes under the category of Employability, Skill or Entrepreneurship development are shown in the table below.

<b>S.No</b>	<b>Course Title</b>	<b>Course Code</b>	<b>Relevance</b>
1	Programming for Problem Solving	18CS0501	Skill Development
2	Engineering Mechanics	18CE0101	Skill Development
3	Programming for Problem Solving Lab	18CS0503	Skill Development
4	Workshop Practice Lab	18ME0301	Skill Development
5	Induction program		Skill Development
6	Basic Electrical and Electronics Engineering	18EE0240	Employability
7	English	18HS0810	Skill Development
8	Engineering Graphics & Design	18ME0302	Skill Development
9	English Lab	18HS0811	Skill Development
10	Indian Constitution	18HS0816	Entrepreneurship
11	Biology for Engineers	18HS0803	Skill Development
12	Introduction to Civil Engineering	18CE0102	Skill Development
13	Introduction to Solid Mechanics	18CE0103	Skill Development
14	Introduction to Fluid Mechanics	18CE0104	Skill Development
15	Solid Mechanics Lab	18CE0105	Skill Development
16	Fluid Mechanics Lab	18CE0106	Skill Development
17	Computer Aided Building Drawing	18CE0107	Skill Development
18	Environmental Sciences	18HS0804	Skill Development
19	Mechanical Engineering	18ME0346	Skill Development
20	Engineering Geology	18CE0108	Skill Development
21	Surveying & Geomatics	18CE0109	Employability
22	Materials, Testing & Evaluation	18CE0110	Skill Development
23	Mechanics of Solids	18CE0111	Skill Development
24	Engineering Geology Lab	18CE0112	Skill Development
25	Surveying Lab – I	18CE0113	Skill Development
26	Essence of Indian Traditional Knowledge	18HS0817	Entrepreneurship



**A. Course & Syllabus Comparison**

With reference to the R16 regulations, the new regulation (R18) syllabus for I & II Year has the following modifications, which are given in the below table.

**I & II Year M.Tech (Structural Engineering)**

S. No	R16 Regulation	R18 Regulation	Percentage of course content changed
1	Theory of Elasticity	Advanced Solid Mechanics	0
2	Advanced Structural Analysis	Advanced Structural Analysis	20
3	Structural dynamics (SD)	Structural Dynamics	0
4		Design of Prestressed Concrete Structures	100
5	Stability of Structures (SS)	Theory of Structural Stability	0
6		Theory and Applications of Cement Composites	100
7		Structural Health Monitoring	100
8		Structural Design Lab	100
9		Structural Optimization	100
10		Advanced Concrete Lab	100
11	Finite Element Methods	FEM in Structural Engineering	10
12		Research Methodology and IPR	100
13	Theory And Design of Plates and Shells	Theory of Thin Plates and Shells	100
14	Project	Dissertation Phase – II	0
15		Advanced Steel Design	100
16		Design of Formwork	100
17		Design of High Rise Structures	100
18		Design of Masonry Structures	100
19		Design of Advanced Concrete Structures	100
20		Advanced Design of Foundations	100
21		Soil Structure Interaction	100
22		Design of Industrial Structure	100

23		Model Testing Lab	100
24		Numerical Analysis Lab	100
25		Design of Prestressed Concrete Structures	100
26		Analysis of Laminated Composite Plates	100
27		Fracture Mechanics of Concrete Structures	100
28		Design of Plates and Shells	100
30		Business Analytics	100
31		Industrial Safety	100
32		Advances in Operations Research	100
33		Cost Management of Engineering Projects	100
34		Composite Materials	100
35		Waste to Energy	100
36		Analytical and Numerical Methods for Structural Engineering	100
37		Numerical Analysis Lab	100
38		Industrial Safety	100
39		Advances in Operations Research	100
40		Composite Materials	100
41		English for Research Paper Writing	100
42		Disaster Management	100
43		Sanskrit for Technical Knowledge	100
44		Value Education	100
45		Personality Development Through Life Enlightenment Skills	100
46		Pedagogy Studies	100
47		Stress Management by Yoga	100



48		Constitution of India	100
49		Mini Project	100

**Consolidated Sheet**

Course	Total courses	Percentage of syllabus changed
I & II Year M.Tech (SE)	49	88.37

**B. Course Relevance**

The courses that come under the category of Employability, Skill or Entrepreneurship development are shown in the table below.

S.No	Course Title	Course Code	Relevance
1	Design of Prestressed Concrete Structures	18CE1021	Employability
2	Analysis of Laminated Composite Plates	18CE1022	Skill Development
3	Fracture Mechanics of Concrete Structures	18CE1023	Skill Development
4	Design of Plates and Shells	18CE1024	Employability
5	Business Analytics	18HS0824	Skill Development
6	Industrial Safety	18ME3121	Skill Development
7	Advances in Operations Research	18ME3122	Skill Development
8	Cost Management of Engineering Projects	18CE1028	Employability
9	Composite Materials	18ME3123	Skill Development
10	Waste to Energy	18EE2128	Skill Development
11	Dissertation Phase-I	18CE1026	Employability
12	Dissertation Phase-II	18CE1027	Employability
13	Advanced Structural Analysis	18CE1001	Skill Development
14	Advanced Solid Mechanics	18CE1002	Skill Development
15	Theory of Thin Plates and Shells	18CE1008	Skill Development
16	Theory and Applications of Cement Composites	18CE1009	Skill Development
17	Theory of Structural Stability	18CE1010	Skill Development
18	Analytical and Numerical Methods for Structural Engineering	18HS0837	Skill Development
19	Structural Health Monitoring	18CE1011	Skill Development
20	Structural Optimization	18CE1012	Skill Development
21	Structural Design Lab	18CE1003	Skill Development



22	Advanced Concrete Lab	18CE1004	Skill Development
23	Research Methodology and IPR	18HS0823	Employability
24	English for Research Paper Writing	18HS0818	Skill Development
25	Disaster Management	18CE1029	Employability
26	Sanskrit for Technical Knowledge	18HS0825	Skill Development
27	Value Education	18HS0826	Skill Development
28	FEM in Structural Engineering	18CE1005	Employability
29	Structural Dynamics	18CE1006	Skill Development
30	Advanced Steel Design	18CE1013	Employability
31	Design of Formwork	18CE1014	Employability
32	Design of High Rise Structures	18CE1015	Employability
33	Design of Masonry Structures	18CE1016	Employability
34	Design of Advanced Concrete Structures	18CE1017	Employability
35	Advanced Design of Foundations	18CE1018	Employability
36	Soil Structure Interaction	18CE1019	Skill Development
37	Design of Industrial Structure	18CE1020	Employability
38	Model Testing Lab	18CE1007	Skill Development
39	Numerical Analysis Lab	18HS0838	Skill Development
40	Mini Project	18CE1025	Skill Development
41	Personality Development Through Life Enlightenment Skills	18HS0819	Skill Development
42	Pedagogy Studies	18HS0827	Skill Development
43	Stress Management by Yoga	18HS0828	Skill Development
44	Constitution of India	18HS0829	Employability

Modifications described above are carried out to the curriculum after discussions in the BoS by considering the feedback/suggestions from the stakeholders viz. students, alumni, faculty and employers.

### **Agenda: 3**

Approval of syllabus for the subjects offered to various branches w.e.f. 2018-19

### **Resolution: 3**

After the thorough discussion syllabus was framed to make the students acquire the required technical knowledge and skills. The BOS resolved to approve the syllabi framed for the subjects offered to various branches (given in **Annexure-III**).

**Agenda: 4**

Approval of Panel of Question Paper setters

**Resolution: 4**

Approved the panel of question paper setting (given in **Annexure –IV**) to be submitted to the college academic council for approval.

**Agenda: 5**

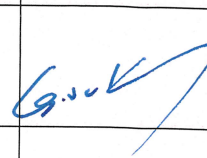

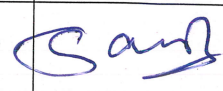
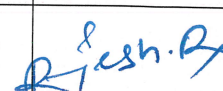
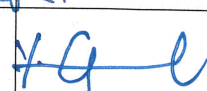
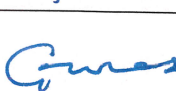
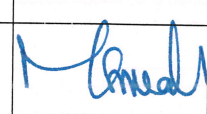
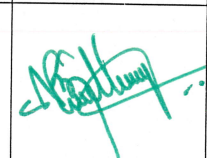
Approval of Panel of Examiners

**Resolution: 5**

Approved the panel of examiners prepared for valuation (given in **Annexure –V**) to be submitted to the college academic council for approval.

The above items were discussed, debated and the necessary approval was accorded by the BOS. The meeting was concluded with vote of Thanks proposed by the Chairman-BOS.

**Members Present**

S.No.	Name of the member	Designation/Organization	Role in the BOS	Signature
1	Mr. C. Siva Kumar Prasad	Associate Professor & HOD - SIETK	Chairman	
2	Dr. K. Chandrasekhar Reddy	Professor & Principal - SIETK	Member	
3	Dr. S. Siddiraju	Professor - SIETK	Member	
4	Mr. R. Rajesh Kumar	Assistant Professor- SIETK	Member	
5	Mr. Y. Guru Prasad	Assistant Professor- SIETK	Member	
6	Dr. Gunneswara Rao. T.D	Professor, NIT Warangal.	Member	
7	Dr. K.N. Satyanarayana	Professor, IIT Madras.	Member	ABSENT
8	Dr. M. Srimurali	Professor, SV University, Tirupati.	Member	
9	Dr. N. Krishnamurthy	Assistant Executive Engineer, HNSS, Sub Division no:1 Madanapalle – 517325.	Member	
10	Mr. S. Anil Kumar Reddy	Project Coordinator Equus Infra project Pvt. Ltd., Hyderabad.	Member	ABSENT