SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY

(AUTONOMOUS)
(Approved by AICTE, New Delhi & Affiliated to JNTUA, Ananthapuramu)
(Accredited by NBA for Civil, EEE, Mech., ECE & CSE
Accredited by NAAC with 'A' Grade)
Puttur -517583, Chittoor District, A.P. (India)

DEPARTMENT OF CIVIL ENGINEERING

BOARD OF STUDIES MINUTES OF MEETING

2016 - 2017

SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY: PUTTUR

(AUTONOMOUS)

1st BoS Meeting of Civil Engineering (CE)

Date: 08-07-2016

The 1st meeting of Board of Studies (BoS) in Civil Engineering is held on 08 July 2016 at 01.30 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.

Dr. S. Siddiraju, Chairman BoS chaired the meeting and welcomed all the members to the first BoS meeting and discussed about the following agenda

Agenda:

1. Preparation of course structure for UG & PG in CE w.e.f., 2016-17.
2. Preparation of syllabi for I & II year UG & PG in CE w.e.f., 2016-17.
3. Preparation of syllabus for the subjects offered to other branches w.e.f., 2016-17.
4. Suggesting Panel of Question Paper setters.
5. Suggesting 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

Preparation of course structure for UG &PG in CE w.e.f., 2016-17.

Resolution: 1

After the detailed discussion the course structure for UG & PG in CE is prepared (given in **Annexure –I**) and is applicable from the A.Y., 2016-17.

Agenda: 2

Preparation of syllabus for I & II year UG & PG in CE w.e.f., 2016-17.

Resolution: 2

After the thorough discussion syllabi was framed to make the students acquire the required technical knowledge and skills. The syllabi framed for the I and II year of UG & PG. in CE (given in **Annexure –II**) and is applicable from the A.Y., 2016-17.

A. Course & Syllabus Comparison

With reference to the R15 regulations, the new regulation (R16) syllabus for I & II Year has the following modifications, which are given in the below table.

I & II B.Tech

S. No	R15 Regulation	R16 Regulation	Percentage of course content changed
1	Functional English	Functional English	0
2	Mathematics – I	Engineering Mathematics – I	0
3	Computer Programming	Computer Programming	0
4	Engineering Physics	Engineering Physics	0
5	Engineering Drawing	Engineering Graphics	20
6		Human Values & Professional Ethics	100
7	English Language	English Language and	0

2016 - 2017

	Communication Skills Lab	Communication Skills Lab	
8	Engineering Physics Lab	Engineering Physics Lab	0
9	Computer Programming Lab	Computer Programming Lab	30
10	English for Professional Communication	Professional English	0
11	Mathematics – II	Engineering Mathematics – II	0
12	Engineering Mechanics	Engineering Mechanics	47
13	Engineering Chemistry	Engineering Chemistry	0
14	Environmental Studies	Environmental Studies	20
15	Applied Mechanics Lab	Applied Mechanics Lab	0
16	Engineering Chemistry Lab	Engineering Chemistry Lab	0
17	Engineering & IT Workshop	Engineering & IT Workshop Lab	0
18	Mathematics - III	Engineering Mathematics – III	0
19	Electrical and Mechanical Technology	Electrical & Mechanical Technology	15
20	Building Materials and Construction	Building Materials & Construction	90
21	Strength of Materials – I	Strength of Materials – I	15
22	Surveying – I	Surveying	50
23	Fluid Mechanics	Fluid Mechanics	75
24	Surveying Laboratory – I	Surveying Lab – I	0
25	Strength of Materials Laboratory	Strength of Materials Lab	0
26		Data Structures through C	100
27	Probability and Statistics	Probability & Statistics	0
28	Strength of Materials – II	Strength of Materials – II	20
29		Building Planning & Drawing	100
30	Hydraulics & Hydraulic Machinery	Hydraulics & Hydraulic Machinery	25

31	Fluid Mechanics & Hydraulic Machinery Laboratory	Fluid Mechanics & Hydraulic Machinery Lab	0
32	Surveying Laboratory – II	Surveying Lab – II	0
33		Computer Aided Drawing Lab	100

Consolidated Sheet

Course	Total courses	Percentage of syllabus changed
I & II Year B.Tech CE	33	24.45

B. Course Relevance

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

S.No	Course Title	Course Code	Relevance
1	Functional English	16HS601	Skill Development
2	Computer Programming	16CS501	Skill Development
3	Human Values & Professional Ethics	16HS606	Skill Development
4	Computer Programming Lab	16CS502	Skill Development
5	Engineering & IT Workshop Lab	16ME301	Skill Development
6	Professional English	16HS610	Skill Development
7	Engineering Graphics	16ME302	Skill Development
8	Engineering Mechanics	16CE101	Skill Development
9	English Language and Communication Skills Lab	16HS607	Skill Development
10	Applied Mechanics Lab	16CE102	Skill Development
11	Electrical & Mechanical Technology	16EE209	Employability
12	Strength of Materials – I	16CE103	Skill Development
13	Surveying	16CE105	Skill Development
14	Fluid Mechanics	16CE106	Skill Development
15	Building Materials & Construction	16CE107	Employability
16	Surveying Lab – I	16CE108	Skill Development
17	Strength of Materials Lab	16CE109	Skill Development
18	Data Structures through C	16CS503	Skill Development

19	Environmental Studies	16HS605	Skill Development
20	Building Planning & Drawing	16CE110	Skill Development
21	Strength of Materials – II	16CE111	Skill Development
22	Hydraulics & Hydraulic Machinery	16CE113	Skill Development
23	Surveying Lab – II	16CE114	Skill Development
24	Computer Aided Drawing Lab	16CE115	Skill Development
25	Fluid Mechanics & Hydraulic Machinery Lab	16CE116	Skill Development
26	Comprehensive Soft Skills	16HS614	Skill Development

A. Course & Syllabus Comparison

With reference to the R09 regulations, the new regulation (R16) 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	R09 Regulation	R16 Regulation	Percentage of course content changed
1	Advanced Structural Analysis	Advanced Structural Analysis	0
2	Theory of Elasticity and Plasticity	Theory of Elasticity	3
3	Experimental Stress Analysis	Experimental Stress Analysis (ESA)	15
4	Advanced Structural Design	Advanced Reinforced Concrete Design	75
5	Low cost Housing Techniques	Low Cost Housing Techniques	10
6	Prestressed concrete	Advanced Prestressed Concrete	5
7		Structural Engineering Lab	100
8	Structural Dynamics	Structural Dynamics (SD)	70
9	Finite Element Method	Finite Element Methods	5
10	Stability of Structures	Stability of Structures (SS)	0
11	Analysis of shells and folded plates	Theory And Design of Plates and Shells	85
12	Design of Bridges	Bridge Engineering	15
13	Concrete Technology	Advanced Concrete Technology	85
14	Earthquake Resistant	Earthquake Resistant	0

	Structures	Structures(ERS)	
15	Advanced steel structures	Advanced Structural Steel Design	100
16	Building Construction Management	Construction Project Management (CPM)	100
17		Pre-fabricated Concrete Structures	100
18		Computing Techniques Lab	100
19	Seminar	Seminar	0
20	Project work	Project work	0

Consolidated Sheet

Course	Total courses	Percentage of syllabus changed
I & II Year M.Tech (SE)	20	43.40

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	Advanced Concrete Technology	16CE2001	Skill Development
2	Theory of Elasticity	16CE2002	Skill Development
3	Advanced Structural Analysis	16CE2003	Skill Development
4	Structural dynamics (SD)	16CE2004	Skill Development
5	Advanced Prestressed Concrete	16CE2005	Employability
6	Low Cost Housing Techniques	16CE2006	Skill Development
7	Bridge Engineering	16CE2007	Employability
8	Pre-fabricated Concrete Structures	16CE2008	Employability
9	Structural Engineering Lab	16CE2009	Skill Development
10	Advanced Reinforced Concrete Design	16CE2010	Employability
11	Advanced Structural Steel Design	16CE2011	Employability
12	Finite Element Methods	16CE2012	Employability
13	Theory And Design of Plates and Shells	16CE2013	Employability
14	Stability of Structures (SS)	16CE2014	Skill Development

15	Experimental Stress Analysis (ESA)	16CE2015	Skill Development
16	Construction Project Management (CPM)	16CE2016	Employability
17	Earthquake Resistant Structures(ERS)	16CE2017	Employability
18	Computing Techniques Lab	16CE2018	Skill Development
19	Seminar	16CE2019	Employability
20	Project Work	16CE2020	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

Preparation of syllabi for the subjects offered to other branches w.e.f. 2016-17.

Resolution: 3

After the thorough discussion syllabus was prepared and finalized for the subjects offered to other branches (given in **Annexure-III**) and is applicable from the A.Y., 2016-17.

Agenda: 4

Suggesting Panel of question paper setters.

Resolution: 4

The panel of question paper setters was suggested (given in **Annexure –IV**).

Agenda: 5

Suggesting Panel of examiners.

Resolution: 5

The panel of examiners for valuation was suggested (given in **Annexure –V**).

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.

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Members Present

S.No.	Name of the member	Designation/Organization	Role in the BOS	Signature
1	Dr. S. Siddiraju	Professor & H.O.D. – SIETK	Chairman	
2	Dr. K. Chandrasekhar Reddy	Professor & Principal – SIETK	Member	
3	Mr. C. Siva Kumar Prasad	Associate 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	

SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY: PUTTUR

(AUTONOMOUS)

2nd BoS Meeting of Civil Engineering (CE)

Date: 23/12/2017

The 2nd meeting of Board of Studies (BoS) in Civil Engineering is held on 23rd December 2017 at 10.00 AM 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 Second BoS meeting and discussed about the following agenda:

1. Preparation of course structure for III & IV year UG in CE w.e.f., 2018-19.
2. Preparation of syllabi for III & IV year UG in CE w.e.f., 2018-19.
3. Preparation of syllabus for the subject offered to other branches w.e.f., 2018-19.
4. Suggesting Panel of Question Paper setters.
5. Suggesting Panel of Examiners.
6. Any other item.

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

Minutes:

Agenda: 1

Preparation of course structure for III & IV year UG in CE w.e.f., 2018-19

Resolution: 1

After the detailed discussion the course structure for III & IV year UG in CE was prepared (given in **Annexure –I**) and is applicable from the A.Y., 2018-19.

Agenda: 2

Preparation of syllabus for III & IV year UG in CE w.e.f., 2018-19

Resolution: 2

After the thorough discussion syllabi was formulated to make the students acquire the required technical knowledge and skills. The syllabi framed for the III and IV year of UG in CE (given in **Annexure –II**) and are applicable from the A.Y., 2018-19.

A. Course & Syllabus Comparison

With reference to the R15 regulations, the new regulation (R16) syllabus for III & IV Year has the following modifications, which are given in the below table.

III & IV B.Tech Civil

S. No	R15 Regulation	R16 Regulation	Percentage of course content changed
1	Structural Analysis – I	Structural Analysis – I	65
2	Hydraulics & Hydraulic Machinery	Hydraulics & Hydraulic Machinery	25
3	Design and Drawing of RCC Structures	Design & Drawing of Reinforced Concrete Structures	0
4	Estimation, Costing and Valuation	Estimation, Costing and Valuation	0
5	Geotechnical Engineering – I	Geotechnical Engineering – I	0

6	Engineering Geology	Engineering Geology	35
7	Structural Analysis – II	Structural Analysis – II	45
8	Engineering Geology Laboratory	Engineering Geology Lab	0
9	Geotechnical Engineering Laboratory	Geotechnical Engineering Lab	0
10	Concrete Technology	Concrete Technology	4
11	Design and Drawing of Steel Structures	Design & Drawing of Steel Structures	20
12	Geotechnical Engineering – II	Geotechnical Engineering – II	30
13	Transportation Engineering - I	Transportation Engineering– I	35
14	Water Resources Engineering – I	Water Resources Engineering – I	20
15		Managerial Economics and Financial Analysis	100
16	Remote Sensing & GIS	Remote Sensing & GIS	0
17	Intellectual Property Rights	Intellectual Property Rights	0
18	Concrete Technology Laboratory	Concrete Technology Lab	0
19	Transportation Engineering Laboratory	Transportation Engineering Lab	0
20	Advanced English Language Communication Skills (AELCS) Laboratory (Audit Course)	Advanced English Language and Communication Skills Lab	0
21	Finite Element Methods	Finite Element Methods in Civil Engineering	20
22	Transportation Engineering - II	Transportation Engineering – II	55
23	Environmental Engineering	Environmental Engineering	30
24	Water Resources Engineering – II	Water Resources Engineering – II	20
25	Design and Drawing of Irrigation Structures	Design & Drawing of Irrigation Structures	0
26	Ground Improvement Techniques	Ground Improvement Techniques	0
27	Air Pollution and Quality Control	Air Pollution & Management	100

28		Neural Networks & Fuzzy Logic	100
29		Non-Conventional Energy Resources	100
30		Matlab Programming	100
31		Database Management Systems	100
32	CAD Laboratory	Computer Aided Design Lab	22
33	Environmental Engineering Laboratory	Environmental Engineering Lab	25
34	Advanced Structural Engineering	Advanced Structural Design	40
35		Advanced Foundation Engineering	100
36	Prestressed Concrete	Prestressed Concrete	57
37		Construction Technology and Project Management	100
38		Water Resources Systems Planning & Management	100
39		MOOC courses-offered by SWAYAM/ NPTEL/ NISTE-suggested by the department(online courses)	100
40	Technical Seminar	Seminar	0
41	Project Work	Project	0

Consolidated Sheet

Course	Total courses	Percentage of syllabus changed
III & IV Year B.Tech CE	**41**	**37.76**

B. Course Relevance

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

S.No	Course Title	Course Code	Relevance
1	Structural Analysis – I	16CE117	Skill Development
2	Concrete Technology	16CE118	Employability
3	Design & Drawing of Reinforced Concrete	16CE119	Employability

	Structures		
4	Water Resources Engineering – I	16CE120	Skill Development
5	Engineering Geology	16CE121	Skill Development
6	Geotechnical Engineering – I	16CE122	Skill Development
7	Concrete Technology Lab	16CE123	Skill Development
8	Engineering Geology Lab	16CE124	Skill Development
9	Aptitude Practice-I	16HS616	Employability
10	Structural Analysis – II	16CE125	Skill Development
11	Design & Drawing of Steel Structures	16CE126	Skill Development
12	Geotechnical Engineering – II	16CE127	Skill Development
13	Water Resources Engineering – II	16CE128	Skill Development
14	Transportation Engineering– I	16CE129	Employability
15	Geotechnical Engineering Lab	16CE130	Skill Development
16	Transportation Engineering Lab	16CE131	Skill Development
17	Advanced English Language and Communication Skills Lab	16HS615	Skill Development
18	Aptitude Practice-II	16HS617	Employability
19	Managerial Economics and Financial Analysis	16MB750	Skill Development
20	Transportation Engineering – II	16CE132	Employability
21	Environmental Engineering	16CE133	Employability
22	Estimation, Costing and Valuation	16CE134	Employability
23	Finite Element Methods in Civil Engineering	16CE135	Employability
24	Remote Sensing & GIS	16CE136	Skill Development
25	Air Pollution & Management	16CE137	Employability
26	Neural Networks & Fuzzy Logic	16EE239	Skill Development
27	Non-Conventional Energy Resources	16ME313	Skill Development
28	Matlab Programming	16EC443	Skill Development
29	Database Management Systems	16CS530	Skill Development
30	Intellectual Property Rights	16MB752	Skill Development
31	Environmental Engineering Lab	16CE138	Skill Development
32	Computer Aided Design Lab	16CE139	Skill Development
33	Design & Drawing of Irrigation Structures	16CE140	Employability
34	Advanced Foundation Engineering	16CE141	Skill Development
35	Advanced Structural Design	16CE142	Employability
36	Water Resources Systems Planning & Management	16CE143	Employability
37	Construction Technology and Project Management	16CE144	Employability

38	Ground Improvement Techniques	16CE146	Skill Development
39	Prestressed Concrete	16CE147	Employability
40	MOOC courses-offered by SWAYAM/ NPTEL/ NISTE-suggested by the department(online courses)	MOOCS	Skill Development
41	Seminar	16CE148	Employability
42	Project	16CE149	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

Preparation of syllabus for the subject offered to other branches w.e.f. 2018-19.

Resolution: 3

After the thorough discussion syllabus was prepared for the subject offered to other branches (given in **Annexure-III**) and is applicable from the A.Y., 2018-19.

Agenda: 4

Suggesting Panel of question paper setters

Resolution: 4

The panel of question paper setters was suggested (given in **Annexure –IV**).

Agenda: 5

Suggesting Panel of examiners.

Resolution: 5

The panel of examiners for valuation was suggested (given in **Annexure –V**).

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 & H.O.D. – 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	ABSENT
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	23/12/2017
10	Mr. S. Anil Kumar Reddy	Project Coordinator Equus Infra project Pvt. Ltd., Hyderabad.	Member	

SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY: PUTTUR

(AUTONOMOUS)

3rd BOS Meeting of Civil Engineering (CE)

Date: 18-06-2018

The 3rd 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 3rd 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

Course	Total courses	Percentage of syllabus changed
I & II Year B.Tech CE	32	23.84

B. Course Relevance

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

S.No	Course Title	Course Code	Relevance
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

SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY: PUTTUR

(AUTONOMOUS)

4th BoS Meeting of Civil Engineering (CE)

Date: 14-08-2019

The 4th meeting of Board of Studies (BoS) in Civil Engineering is held on 14th August. 2019 (Wednesday) at 1:30 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 4th BoS meeting and discussed the following agenda

Agenda:

1. Approval of course structure for I year UG & PG in Civil w.e.f., A.Y.2019-20.
2. Approval of syllabus for I year UG & PG in Civil w.e.f., A.Y.2019-20.
3. Approval of syllabus for the subjects offered to various branches w.e.f. 2019-20.
4. Approval of Panel of Question Paper setters.
5. Approval of Panel of Examiners.
6. Any other item with the permission of Chair

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 year UG & PG in Civil w.e.f., A.Y.2019-20

Resolution: 1

After detailed discussion the BoS resolved to approve the course structure for I year UG & PG (Civil) (given in **Annexure –I**) applicable from the A.Y.2019-20.

Agenda: 2

Approval of syllabus for I year UG & PG in Civil w.e.f., A.Y.2019-20

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 year B. Tech. & M. Tech. (I & II-Semesters) (given in **Annexure-II**)

A. Course & Syllabus Comparison

With reference to the R18 regulations, the new regulation (R19) syllabus for I year has the following modifications, which are given in the below table.

I B.Tech

S. No	R18 Regulation	R19 Regulation	Percentage of course content changed
1	Physics	Engineering Physics	0
2	Mathematics – I	Algebra and Calculus	60
3	Engineering Mechanics	Engineering Mechanics	0
4	Physics Lab	Engineering Physics Lab	0
5		Python Programming	100
6		Python Programming Lab	100
7	Workshop Practice Lab	Workshop Practice Lab	0
8	Chemistry	Engineering Chemistry	40

9	Mathematics – II	Differential Equations and Vector Calculus	60
10		Strength of Materials – I	100
11	English	Communicative English	10
12	Engineering Graphics & Design	Engineering Graphics	10
13	Chemistry Lab	Engineering Chemistry Lab	0
14	English Lab	Communicative English Lab	0
15	Indian Constitution	Indian Constitution	0

Consolidated Sheet

Course	Total courses	Percentage of syllabus changed
I Year B.Tech CE	**15**	**32.00**

B. Course Relevance

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

S.No	Course Title	Course Code	Relevance
1	Python Programming	19CS0501	Skill Development
2	Python Programming Lab	19CS0502	Skill Development
3	Communicative English	19HS0810	Skill Development
4	Engineering Graphics	19ME0302	Skill Development
5	Engineering Mechanics	19CE0101	Skill Development
6	Communicative English Lab	19HS0811	Skill Development
7	Workshop Practice Lab	19ME0301	Skill Development
8	Indian Constitution	19HS0816	Employability

A. Course & Syllabus Comparison

With reference to the R18 regulations, the new regulation (R19) syllabus for I year has the following modifications, which are given in the below table.

I M.Tech (Structural Engineering)

S. No	R18 Regulation	R19 Regulation	Percentage of course content changed
1	Advanced Structural Analysis	Advanced Structural Analysis	0

2	Advanced Solid Mechanics	Advanced Solid Mechanics	0
3	Theory of Thin Plates and Shells	Theory of Thin Plates and Shells	100
4	Theory and Applications of Cement Composites	Theory and Applications of Cement Composites	0
5	Theory of Structural Stability	Theory of Structural Stability	0
6	Analytical and Numerical Methods for Structural Engineering	Analytical and Numerical Methods for Structural Engineering	0
7	Structural Health Monitoring	Structural Health Monitoring	100
8	Structural Optimization	Structural Optimization	0
9	Structural Design Lab	Structural Design Lab	0
10	Advanced Concrete Lab	Advanced Concrete Lab	0
11	Research Methodology and IPR	Research Methodology and IPR	100
12	English for Research Paper Writing	English for Research Paper Writing	0
13	FEM in Structural Engineering	FEM in Structural Engineering	0
14	Structural Dynamics	Structural Dynamics	0
15	Advanced Steel Design	Advanced Steel Design	100
16	Design of Formwork	Design of Formwork	0
17	Design of High Rise Structures	Design of High-Rise Structures	100
18	Design of Masonry Structures	Design of Masonry Structures	100
19	Design of Advanced Concrete Structures	Design of Advanced Concrete Structures	60
20	Advanced Design of Foundations	Advanced Design of Foundations	100
21	Soil Structure Interaction	Soil Structure Interaction	100
22	Design of Industrial Structure	Design of Industrial Structure	100
23	Model Testing Lab	Model Testing Lab	100
24	Numerical Analysis Lab	Numerical Analysis Lab	0
25	Mini Project	Mini Project	0
26	Constitution of India	Constitution of India	0

Consolidated Sheet

Course	Total courses	Percentage of syllabus changed
I Year M.Tech (SE)	**26**	**40.77**

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	Research Methodology and IPR	19HS0823	Employability
2	Advanced Structural Analysis	19CE1001	Skill Development
3	Advanced Solid Mechanics	19CE1002	Skill Development
4	Theory of Thin Plates and Shells	19CE1008	Skill Development
5	Theory and Applications of Cement Composites	19CE1009	Skill Development
6	Theory of Structural Stability	19CE1010	Skill Development
7	Analytical and Numerical Methods for Structural Engineering	19HS0837	Skill Development
8	Structural Health Monitoring	19CE1011	Skill Development
9	Structural Optimization	19CE1012	Skill Development
10	Structural Design Lab	19CE1003	Skill Development
11	Advanced Concrete Lab	19CE1004	Skill Development
12	English for Research Paper Writing	19HS0818	Skill Development
13	FEM in Structural Engineering	19CE1005	Employability
14	Structural Dynamics	19CE1006	Skill Development
15	Advanced Steel Design	19CE1013	Employability
16	Design of Formwork	19CE1014	Employability
17	Design of High-Rise Structures	19CE1015	Employability
18	Design of Masonry Structures	19CE1016	Employability
19	Design of Advanced Concrete Structures	19CE1017	Employability
20	Advanced Design of Foundations	19CE1018	Employability
21	Soil Structure Interaction	19CE1019	Skill Development
22	Design of Industrial Structure	19CE1020	Employability
23	Model Testing Lab	19CE1007	Skill Development
24	Numerical Analysis Lab	19HS0838	Skill Development
25	Constitution of India	19HS0829	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. 2019-20

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. G Prabhakaran	Professor - SIETK	Member	
4	Mr. R Rajesh Kumar	Assistant Professor- SIETK	Member	
5	Mr. Vinodh Kumar Balaji	Assistant Professor- SIETK	Member	
6	Dr. M Chandrasekhar	Professor, NIT Warangal.	Member	
7	Dr. D V Prasada Rao	Professor, SV University, Tirupati.	Member	
8	Dr. B Krishna Prapoorna	Associate Professor, IIT Tirupati.	Member	ABSENT
9	Er. V Vidya Suman	Deputy Executive Engineer, Govt. of Telangana, Irrigation & CAD Dept., Engineer in Chief (I), Jalasoudha, Errammanzil, Hyderabad.	Member	
10	Mr. M Murali	Assistant Professor , Sree Rama Engineering College, Karakambadi Road, Tirupati.	Member	

SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY: PUTTUR

(AUTONOMOUS)

5th BoS Meeting of Civil Engineering (CE)

Date: 28-08-2020

The 5th meeting of Board of Studies (BoS) in Civil Engineering is held on 28th August 2020 (Friday) at 10:30 A.M 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 5th BoS meeting and discussed the following agenda

Agenda:

1. Approval of course structure for III year UG in Civil w.e.f., A.Y.2020-21 under R18 Regulation
2. Approval of course structure for II year UG & PG in Civil w.e.f., A.Y.2020-21 under R19 Regulation
3. Approval of course structure for I & II year PG in Civil w.e.f., A.Y.2020-21 under R20 Regulation
4. Approval of syllabus for III year UG in Civil w.e.f., A.Y.2020-21 under R18 Regulation
5. Approval of syllabus for II year UG & PG in Civil w.e.f., A.Y.2020-21 under R19 Regulation
6. Approval of syllabus for I & II year PG in Civil w.e.f., A.Y.2020-21 under R20 Regulation

7. Approval of syllabus for the subjects offered to various branches w.e.f. 2020-21 under R18, R19 & R20 Regulation
8. Approval of Panel of Question Paper setters under R18, R19 & R20 Regulation
9. Approval of Panel of Examiners under R18, R19 & R20 Regulation
10. Any other item with the permission of Chair

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 III year UG in Civil w.e.f., A.Y.2020-21 under R18 Regulation

Resolution: 1

After detailed discussion the BoS resolved to approve the course structure for III year UG in Civil (given in **Annexure –I**) applicable for the A.Y.2020-21 under R18 Regulation

Agenda: 2

Approval of course structure for II year UG & PG in Civil w.e.f., A.Y.2020-21 under R19 Regulation

Resolution: 2

After detailed discussion the BoS resolved to approve the course structure for II year UG & PG in Civil (given in **Annexure –I**) applicable for the A.Y.2020-21 under R19 Regulation

Agenda: 3

Approval of course structure for I & II year PG in Civil w.e.f., A.Y.2020-21 under R20 Regulation

Resolution: 3

After detailed discussion the BoS resolved to approve the course structure for I & II year PG in Civil (given in **Annexure –I**) applicable for the A.Y.2020-21 under R20 Regulation

Agenda: 4

Approval of syllabus for III year UG in Civil w.e.f., A.Y.2020-21 under R18 Regulation

Resolution: 4

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 III year B. Tech. (I & II-Semester) (given in **Annexure-II**) under R18 Regulation

A. Course & Syllabus Comparison

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

III B.Tech

S. No	R16 Regulation	R18 Regulation	Percentage of course content changed
1	Hydraulics & Hydraulic Machinery	Hydraulic Engineering	30
2	Surveying Lab – II	Surveying Lab – II	0
3	Design & Drawing of Reinforced Concrete Structures	Structural Design	40
4	Water Resources Engineering – I	Hydrology & Water Resources Engineering	50
5	Geotechnical Engineering – II	Geotechnical Engineering	60
6	Concrete Technology Lab	Construction Materials Lab	0
7	Aptitude Practice-I	Aptitude Practices	0
8	Transportation Engineering– I	Transportation Engineering	60
9	Geotechnical Engineering Lab	Geotechnical Engineering Lab	0
10	Transportation Engineering Lab	Transportation Engineering Lab	0
11	Environmental Engineering	Environmental Engineering	10
12	Estimation, Costing and Valuation	Estimation, Costing and Valuation	40
13	Advanced English Language and Communication Skills Lab	English for Corporate Communication Skills Lab	0
14	Non-Conventional Energy Resources	Non-Conventional Energy Resources	0

15	Environmental Engineering Lab	Environmental Engineering Lab	0
16	Advanced Foundation Engineering	Foundation Engineering	65
17	Construction Technology and Project Management	Construction Project Management	70
18		Industrial Instrumentation	100
19		Introduction to IOT	100
20		Python Programming	100
21		Water Technology	100
22		Maintenance & Rehabilitation of Structures	100
23		Intellectual Property Rights	100
24		Mini Project	100

Consolidated Sheet

Course	Total courses	Percentage of syllabus changed
III Year B.Tech CE	**24**	**46.88**

B. Course Relevance

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

S.No	Course Title	Course Code	Relevance
1	Hydraulic Engineering	18CE0114	Skill Development
2	Structural Design	18CE0115	Employability
3	Geotechnical Engineering	18CE0116	Skill Development
4	Hydrology & Water Resources Engineering	18CE0117	Skill Development
5	Estimation, Costing and Valuation	18CE0118	Employability
6	Geotechnical Engineering Lab	18CE0119	Skill Development
7	Construction Materials Lab	18CE0120	Skill Development
8	Surveying Lab – II	18CE0121	Skill Development
9	Aptitude practices	18HS0842	Skill Development
10	Construction Project Management	18CE0122	Skill Development
11	Environmental Engineering	18CE0123	Employability
12	Transportation Engineering	18CE0124	Employability
13	Foundation Engineering	18CE0133	Skill Development
14	Water Technology	18CE0134	Skill Development
15	Maintenance & Rehabilitation of Structures	18CE0135	Skill Development
16	Industrial Instrumentation	18EE0234	Skill Development
17	Non-Conventional Energy Resources	18ME0307	Skill Development

18	Introduction to IOT	18EC0449	Skill Development
19	Python Programming	18CS0517	Skill Development
20	Intellectual Property Rights	18HS0814	Skill Development
21	Transportation Engineering Lab	18CE0125	Skill Development
22	Environmental Engineering Lab	18CE0126	Skill Development
23	Mini project	18CE0130	Skill Development
24	English for Corporate Communication skills lab	18HS0859	Skill Development

Agenda: 5

Approval of syllabus for II year UG & PG in Civil w.e.f., A.Y.2020-21 under R19 Regulation

Resolution: 5

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 II year B. Tech. (I & II-Semester) & II year M. Tech. (I & II-Semester) (given in **Annexure-II**) under R19 Regulation

A. Course & Syllabus Comparison

With reference to the R18 regulations, the new regulation (R19) syllabus for II year has the following modifications, which are given in the below table.

II B.Tech

S. No	R18 Regulation	R19 Regulation	Percentage of course content changed
1		Numerical Methods, Probability & Statistics	100
2	Introduction to Civil Engineering	Building Materials & Construction	50
3	Introduction to Solid Mechanics	Strength of Materials – I	10
4	Introduction to Fluid Mechanics	Fluid Mechanics	30
5	Solid Mechanics Lab	Strength of Materials Lab	5
6	Fluid Mechanics Lab	Fluid Mechanics & Hydraulic Machinery Lab	15

7	Computer Aided Building Drawing	Computer Aided Drawing Lab	0
8	Environmental Science	Environmental Science	0
9	Mechanical Engineering	Fundamentals of Mechanical Engineering	70
10	Engineering Geology	Engineering Geology	20
11	Surveying & Geomatics	Surveying & Geomatics	20
12	Mechanics of Solids	Strength of Materials - II	50
13	Engineering Geology Lab	Engineering Geology Lab	0
14	Surveying Lab – I	Surveying Lab	60
15	Industrial Instrumentation	Industrial Instrumentation	0
16	Python Programming	Python Programming	0
17	Intellectual Property Rights	Intellectual Property Rights	0
18	Essence of Indian Traditional Knowledge	Essence of Indian Traditional Knowledge	0
19		Structural Analysis	100
20		GIS Lab	100
21		Generation of Energy through Waste	100
22		Introduction to Communication Systems	100
23		Relational Database Management System	100
24		Management Science	100
25		Mechanical Measurements & Control Systems	100
26		Element of Embedded Systems	100
27		Java Programming	100

Consolidated Sheet

Course	Total courses	Percentage of syllabus changed
II Year B.Tech CE	**27**	**49.26**

B. Course Relevance

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

S.No	Course Title	Course Code	Relevance
1	Basic Electrical & Mechanical Engineering	19ME0345	Employability
2	Strength of Materials - II	19CE0103	Skill Development
3	Surveying & Geomatics	19CE0104	Employability
4	Building Materials & Construction	19CE0105	Skill Development
5	Generation of Energy through Waste	19EE0238	Skill Development
6	Fundamentals of Mechanical Engineering	19ME0349	Skill Development
7	Introduction to Communication Systems	19EC0448	Skill Development
8	Relational Database Management System	19CS0550	Skill Development
9	Management Science	19HS0813	Employability
10	Strength of Materials Lab	19CE0106	Skill Development
11	Surveying Lab	19CE0107	Skill Development
12	Computer Aided Drawing Lab	19CE0108	Skill Development
13	Environmental Science	19HS0805	Skill Development
14	Fluid Mechanics	19CE0109	Skill Development
15	Engineering Geology	19CE0110	Skill Development
16	Structural Analysis	19CE0111	Employability
17	Industrial Instrumentation	19EE0233	Skill Development
18	Mechanical Measurements & Control Systems	19ME0350	Skill Development
19	Element of Embedded Systems	19EC0449	Skill Development
20	Java Programming	19CS0551	Skill Development
21	Intellectual Property Rights	19HS0814	Skill Development
22	Fluid Mechanics & Hydraulic Machinery Lab	19CE0112	Skill Development
23	Engineering Geology Lab	19CE0113	Skill Development
24	GIS Lab	19CE0114	Skill Development
25	Essence of Indian Traditional Knowledge	19HS0817	Entrepreneurship

A. Course & Syllabus Comparison

With reference to the R18 regulations, the new regulation (R19) syllabus for II year has the following modifications, which are given in the below table.

II M.Tech (Structural Engineering)

S. No	R18 Regulation	R19 Regulation	Percentage of course content changed
1	Design of Prestressed Concrete Structures	Design of Prestressed Concrete Structures	50

2	Analysis of Laminated Composite Plates	Analysis of Laminated Composite Plates	0
3	Fracture Mechanics of Concrete Structures	Fracture Mechanics of Concrete Structures	0
4	Design of Plates and Shells	Design of Plates and Shells	0
5	Business Analytics	Business Analytics	100
6	Industrial Safety	Industrial Safety	0
7	Advances in Operations Research	Advances in Operations Research	100
8	Composite Materials	Composite Materials	100
9	Waste to Energy	Waste to Energy	0

Consolidated Sheet

Course	Total courses	Percentage of syllabus changed
II Year M.Tech (SE)	9	38.29

B. Course Relevance

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

S.No	Course Title	Course Code	Relevance
1	Design of Prestressed Concrete Structures	19CE1021	Employability
2	Analysis of Laminated Composite Plates	19CE1022	Skill Development
3	Fracture Mechanics of Concrete Structures	19CE1023	Skill Development
4	Design of Plates and Shells	19CE1024	Employability
5	Business Analytics	19HS0824	Skill Development
6	Industrial Safety	19ME3121	Skill Development
7	Advances in Operations Research	19ME3021	Skill Development
8	Composite Materials	19ME3022	Skill Development
9	Waste to Energy	19EE2128	Skill Development
10	Dissertation Phase-I	19CE1026	Employability
11	Dissertation Phase-II	19CE1027	Employability

Agenda: 6

Approval of syllabus for I & II year PG in Civil w.e.f., A.Y.2020-21 under R20 Regulation

Resolution: 6

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 & II year M. Tech. (I & II-Semester) (given in **Annexure-II**) under R20 Regulation

A. Course & Syllabus Comparison

With reference to the R19 regulations, the new regulation (R20) 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	R19 Regulation	R20 Regulation	Percentage of course content changed
1	Research Methodology and IPR	Research Methodology and IPR	40
2	Advanced Structural Analysis	Advanced Structural Analysis	40
3	Advanced Solid Mechanics	Advanced Solid Mechanics	0
4	Theory of Thin Plates and Shells	Theory of Thin Plates and Shells	100
5	Theory and Applications of Cement Composites	Theory and Applications of Cement Composites	60
6	Theory of Structural Stability	Theory of Structural Stability	0
7	Analytical and Numerical Methods for Structural Engineering	Analytical and Numerical Methods for Structural Engineering	0
8	Structural Health Monitoring	Structural Health Monitoring	0
9	Structural Optimization	Structural Optimization	100
10	Structural Design Lab	Structural Design Lab	0
11	Advanced Concrete Lab	Advanced Concrete Lab	50
12	English for Research Paper Writing	English for Research Paper Writing	0
13	FEM in Structural Engineering	FEM in Structural Engineering	0
14	Structural Dynamics	Structural Dynamics	0
15	Advanced Steel Design	Advanced Steel Design	100

16	Design of Formwork	Design of Formwork	0
17	Design of High-Rise Structures	Design of High-Rise Structures	0
18	Design of Masonry Structures	Design of Masonry Structures	100
19	Design of Advanced Concrete Structures	Design of Advanced Concrete Structures	0
20	Advanced Design of Foundations	Advanced Design of Foundations	0
21	Soil Structure Interaction	Soil Structure Interaction	100
22	Design of Industrial Structure	Design of Industrial Structure	0
23		Structural Dynamics lab (Virtual Lab)	100
24	Numerical Analysis Lab	Numerical Analysis Lab	0
25	Constitution of India	Constitution of India	0
26	Design of Prestressed Concrete Structures	Design of Prestressed Concrete Structures	0
27	Analysis of Laminated Composite Plates	Analysis of Laminated Composite Plates	0
28	Fracture Mechanics of Concrete Structures	Fracture Mechanics of Concrete Structures	0
29	Design of Plates and Shells	Design of Plates and Shells	0
30	Business Analytics	Business Analytics	0
31	Industrial Safety	Industrial Safety	0
32	Advances in Operations Research	Advances in Operations Research	0
33	Composite Materials	Composite Materials	0
34	Waste to Energy	Waste to Energy	0

Consolidated Sheet

Course	Total courses	Percentage of syllabus changed
I & II Year M.Tech (S.E)	**34**	**27.24**

B. Course Relevance

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

S.No	Course Title	Course Code	Relevance
1	Research Methodology and IPR	20HS0823	Skill Development
2	Advanced Structural Analysis	20CE1001	Employability
3	Advanced Solid Mechanics	20CE1002	Skill Development
4	Theory of Thin Plates and Shells	20CE1008	Skill Development
5	Theory and Applications of Cement Composites	20CE1009	Skill Development
6	Theory of Structural Stability	20CE1010	Skill Development
7	Analytical and Numerical Methods for Structural Engineering	20HS0837	Skill Development
8	Structural Health Monitoring	20CE1011	Skill Development
9	Structural Optimization	20CE1012	Skill Development
10	Structural Design Lab	20CE1003	Skill Development
11	Advanced Concrete Lab	20CE1004	Employability
12	English for Research Paper Writing	20HS0818	Skill Development
13	FEM in Structural Engineering	20CE1005	Employability
14	Structural Dynamics	20CE1006	Skill Development
15	Advanced Steel Design	20CE1013	Employability
16	Design of Formwork	20CE1014	Employability
17	Design of High-Rise Structures	20CE1015	Employability
18	Design of Masonry Structures	20CE1016	Employability
19	Design of Advanced Concrete Structures	20CE1017	Employability
20	Advanced Design of Foundations	20CE1018	Employability
21	Soil Structure Interaction	20CE1019	Skill Development
22	Design of Industrial Structure	20CE1020	Employability
23	Structural Dynamics lab (Virtual Lab)	20CE1007	Skill Development
24	Numerical Analysis Lab	20HS0838	Skill Development
25	Mini Project	20CE1025	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: 7

Approval of syllabus for the subjects offered to various branches w.e.f. 2020-21 under R18, R19 & R20 Regulation

Resolution: 7

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 w.e.f. 2020-21 under R18, R19 & R20 Regulation (given in **Annexure-III**).

Agenda: 8

Approval of Panel of Question Paper setters under R18, R19 & R20 Regulation

Resolution: 8

Approved the Panel of Question Paper setters under R18, R19 & R20 Regulation (given in **Annexure –IV**) to be submitted to the college academic council for approval.

Agenda: 9

Approval of Panel of Examiners under R18, R19 & R20 Regulation

Resolution: 9

Approved the Panel of Examiners prepared for valuation under R18, R19 & R20 Regulation (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. G Prabhakaran	Professor – SIETK	Member	
4	Mr. P Naveen	Assistant Professor- SIETK	Member	
5	Mrs. Asha Latha	Assistant Professor- SIETK	Member	
6	Dr. M Chandrasekhar	Professor, NIT, Warangal	Member	
7	Dr. D V Prasada Rao	Professor, SV University, Tirupati	Member	
8	Dr. B Krishna Prapoorna	Associate Professor, IIT Tirupati	Member	
9	Er. V Vidya Suman	Deputy Executive Engineer, Govt. of Telangana, Irrigation & CAD Dept., Engineer in Chief (I), Jalasoudha, Errammanzil, Hyderabad	Member	
10	Mr. M Murali	Assistant Professor , Sree Rama Engineering College, Karakambadi Road, Tirupati	Member	

B. KRISHNA PRAPOORNA, Ph.D., F.IRF., M.ASCE
भारतीय प्रौद्योगिकी संस्थान तिरुपति
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19 September 2020

Mr. C. Siva Kumar Prasad, M.Tech (Ph.D.)
Chairman, Board of Studies
Department of Civil Engineering
Siddharth Institute of Engineering & Technology, Puttur, Andhra Pradesh

Re: Participation in Board of Studies online meeting held on 28 August 2020

As a Member of the Board of Studies, Department of Civil Engineering, Siddharth Institute of Engineering & Technology, Puttur, I confirm my participation in the Combined & Department Board of Studies meeting held on 28 August 2020 through online mode (Zoom platform). Further, I approve the course structures and syllabi for the following curricula.

1. R18 Regulation – B.Tech – III Year
2. R19 Regulation – B.Tech – II Year
3. R20 Regulation – B.Tech – I Year
4. R19 Regulation – M.Tech – II Year
5. R20 Regulation – M.Tech – I & II Years

Sincerely,

Prof. B. Krishna Prapoorna, Ph.D., F.IRF., M.ASCE

SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY: PUTTUR

(AUTONOMOUS)

6th BOS Meeting of Civil Engineering (CE)

Date: 19-01-2021

The 6th meeting of Board of Studies (BOS) in Civil Engineering is held on 19th January 2021 (Tuesday) at 10:30 A.M 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 6th BOS meeting and discussed the following agenda:

Agenda

1. Approval of course structures for I year UG in Civil w.e.f., A.Y.2020-21.
2. Approval of syllabus for I year UG in Civil w.e.f., A.Y.2020-21.
3. Approval of syllabus for the subjects offered to various branches w.e.f. 2020-21.
4. Approval of Panel of Question Paper setters.
5. Approval of Panel of Examiners.
6. Any other item with the permission of Chair

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 year UG in Civil w.e.f., A.Y.2020-21

Resolution: 1

After detailed discussion the BOS resolved to approve the course structure for I year UG in Civil (given in **Annexure –I**) applicable from the A.Y.2020-21.

Agenda: 2

Approval of syllabus for I year UG in Civil w.e.f., A.Y.2020-21

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 year B. Tech. (given in **Annexure-II**)

A. Course & Syllabus Comparison

With reference to the R19 regulations, the new regulation (R20) syllabus for Ist year has the following modifications, which are given in the below table.

I B.Tech

S. No	R19 Regulation	R20 Regulation	Percentage of course content changed
1	Engineering Physics	Engineering Physics	20
2	Algebra and Calculus	Algebra and Calculus	30
3	Communicative English	Communicative English	0
4	Engineering Mechanics	Engineering Mechanics	65
5	Engineering Physics Lab	Engineering Physics Lab	0
6	Communicative English Lab	Communicative English Lab	0
7	Workshop Practice Lab	Workshop Practice Lab	0

8	Engineering Chemistry	Engineering Chemistry	20
9	Differential Equations and Vector Calculus	Differential Equations and Complex Analysis	40
10	Engineering Graphics	Engineering Graphics	0
11	Engineering Chemistry Lab	Engineering Chemistry Lab	10
12	Basic Electrical & Mechanical Engineering	Basic Electrical and Mechanical Engineering	0
13	Building Materials & Construction	Engineering Materials	50
14		C Programming and Data Structures	100
15		C Programming and Data Structures Lab	100
16		Basic Electrical and Mechanical Engineering Lab	100
17		Indian Constitution	0

Consolidated Sheet

Course	Total courses	Percentage of syllabus changed
I Year B.Tech CE	17	31.42

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	Basic Electrical and Mechanical Engineering	20ME0351	Employability
2	C Programming and Data Structures	20CS0501	Skill Development
3	Engineering Materials	20CE0101	Employability
4	Basic Electrical and Mechanical Engineering Lab	20ME0352	Skill Development
5	C Programming and Data Structures Lab	20CS0502	Skill Development
6	Communicative English	20HS0810	Skill Development
7	Engineering Graphics	20ME0301	Skill Development
8	Engineering Mechanics	20CE0102	Skill Development
9	Communicative English Lab	20HS0811	Skill Development
10	Workshop Practice Lab	20ME0302	Skill Development
11	Indian Constitution	20HS0816	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. 2020-21

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.

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.G.Prabhakaran	Professor – SIETK	Member	
4	Mrs.K.Asha Latha	Assistant Professor- SIETK	Member	
5	Mr.A.Mohan	Assistant Professor- SIETK	Member	
6	Dr. M Chandrasekhar	Professor, NIT, Warangal	Member	
7	Dr. D V Prasada Rao	Professor, SV University, Tirupati	Member	
8	Dr. B Krishna Prapoorna	Associate Professor, IIT Tirupati	Member	
9	Er. V Vidya Suman	Deputy Executive Engineer, Govt. of Telangana, Irrigation & CAD Dept., Engineer in Chief (I), Jalasoudha, Errammanzil, Hyderabad	Member	ABSENT
10	Mr. M Murali	Assistant Professor , Sree Rama Engineering College, Karakambadi Road, Tirupati	Member	

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भारतीय प्रौद्योगिकी संस्थान तिरुपति
TIRUPATI

21 January 2021

Mr. C. Siva Kumar Prasad, M.Tech (Ph.D.)
Chairman, Board of Studies
Department of Civil Engineering
Siddharth Institute of Engineering & Technology, Puttur, Andhra Pradesh

Re: Participation in Board of Studies online meeting held on 19 January 2021

As a Member of the Board of Studies, Department of Civil Engineering, Siddharth Institute of Engineering & Technology, Puttur, I confirm my participation in the Combined & Department Board of Studies meeting held on 19 January 2021 through online mode (Zoom platform). Further, I approve the course structures and syllabi for the following curriculum.

1. R20 Regulation – B.Tech – I Year

Sincerely,

Krishna Prapoorna