

**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 |

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|----|--|--|-----|
| 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 |

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|----|--------------------------------------|--|-----|
| 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 |

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|----|--|---------|-------------------|
| | 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 |

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|----|--|---------|-------------------|
| 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.

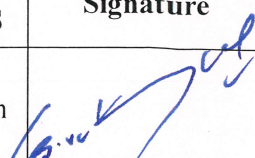


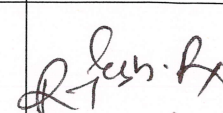

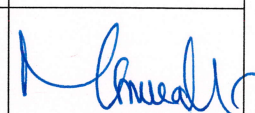

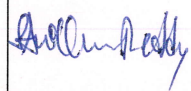
Resolution: 5

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 |  |