

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

2nd BOS Meeting of Agricultural Engineering (AG ENGG)

Date: 18-06-2018

The 2nd meeting of Board of Studies (BOS) in Agricultural Engineering is held on 18 June, 2018 at 02.00 PM in the Department of Agricultural Engineering, Siddharth Institute of Engineering and 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. Y. Guru Prasad, Chairman BOS chaired the meeting and welcomed all the members to the second BOS meeting and discussed about the following agenda

Agenda:

1. Approval of course structure for I & II year in Agricultural Engineering w.e.f., A.Y.2018-19.
2. Approval of syllabus for I & II year UG in Agricultural Engineering w.e.f., A.Y.2018-19.
3. Approval of panel of Question paper setters.
4. Approval of panel of Examiners.
5. 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 in Agricultural Engineering 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 (Agricultural Engineering) (Given in **Annexure-I**) applicable from the A.Y.2018-19.

Agenda: 2

Approval of syllabi for I & II-year UG in Agricultural Engineering 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 & 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 B.Tech

| S. No | R16 | R18 | Percentage of syllabus content changed |
|-------|-------------------------------|-------------------------------------|--|
| 1 | Functional English | English | 0 |
| 2 | Engineering Mathematics-I | Mathematics – I | 0 |
| 3 | Engineering Physics | Physics | 20 |
| 4 | Computer Programming | Programming for problem solving | 24 |
| 5 | Engineering Physics Lab | Physics Lab | 0 |
| 6 | Computer Programming Lab | Programming for problem solving Lab | 24 |
| 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 | 40 |
| 14 | Basic Electrical & Electronics Engineering | Basic Electrical and Electronics Engineering | 0 |
| 15 | | India Constitution | 100 |
| 16 | | Induction Program (3 weeks) | 100 |

II B.Tech

| S. No | R16 | R18 | Percentage of syllabus content changed |
|-------|--|--|--|
| 1 | Engineering Mathematics-III | Transform & Discrete Mathematics | 0 |
| 2 | Strength of Materials | Strength of Materials | 0 |
| 3 | Fluid Mechanics & Hydraulic Machinery | Introduction to Fluid Mechanics | 0 |
| 4 | Soil Science & Mechanics | Soil Mechanics | 20 |
| 5 | Strength of Materials / Soil Mechanics Lab | Soil Mechanics Lab | 0 |
| 6 | Fluid Mechanics & Hydraulic Machinery Lab | Fluid Mechanics Lab | 0 |
| 7 | Principles of Agronomy and Soil Science | Principles of Soil Science | 60 |
| 8 | Hydrology | Hydrology, Ground Water & Well Engineering | 100 |
| 9 | Surveying | Surveying & Geomatics | 0 |
| 10 | Surveying Lab | Surveying Lab – I | 0 |
| 11 | Agronomy and Soil Science Lab | Principles of Soil Science Lab | 50 |
| 12 | Comprehensive Online Examination-I | Comprehensive Online Examination-I | 0 |
| 13 | | Biology for Engineers | 100 |
| 14 | | Principles of Agricultural Engineering | 100 |
| 15 | | Solid Mechanics Lab | 100 |
| 16 | | Computer Aided Building Drawing | 100 |
| 17 | | Mechanical Engineering | 100 |
| 18 | | Essence of Indian Traditional Knowledge | 100 |

Consolidated Sheet

| Course | Total courses | Percentage of syllabus changed |
|--------------------|---------------|--------------------------------|
| AGE B.Tech I Year | 16 | 23 |
| AGE B.Tech II Year | 18 | 46.11 |
| Total | 34 | 35.23 |

B. Course Relevance

The courses 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 | Thermodynamics & Heat Engines | 18ME0350 | Employability |
| 2 | Mechanical Engineering | 18ME0346 | Employability |
| 3 | Engineering Graphics & Design | 18ME0302 | Skill Development |
| 4 | Workshop practice lab | 18ME0301 | Skill Development |
| 5 | English Lab | 18HS0811 | Skill Development |
| 6 | English | 18HS0810 | Employability |
| 7 | Biology for Engineers | 18HS0803 | Skill Development |
| 8 | Programming for problem solving Lab | 18CS0503 | Skill Development |
| 9 | Programming for problem solving | 18CS0501 | Employability |
| 10 | Surveying Lab – I | 18CE0113 | Employability |
| 11 | Surveying & Geomatics | 18CE0109 | Skill Development |
| 12 | Computer Aided Building Drawing | 18CE0107 | Employability |
| 13 | Fluid Mechanics Lab | 18CE0106 | Employability |
| 14 | Solid Mechanics Lab | 18CE0105 | Employability |
| 15 | Introduction to Fluid Mechanics | 18CE0104 | Employability |
| 16 | Principles of Soil Science Lab | 18AG0704 | Employability |
| 17 | Hydrology, Ground Water & Well Engineering | 18AG0703 | Employability |
| 18 | Principles of Soil Science | 18AG0702 | Employability |
| 19 | Principles of Agricultural Engineering | 18AG0701 | 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 panel of question paper setter's w.e.f., 2018-19

Resolution: 3

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

The above were discussed, debated and the necessary approval as accorded by the BOS



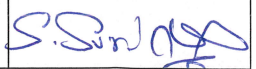

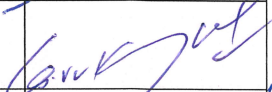
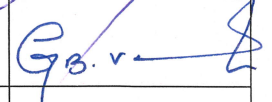
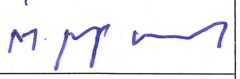

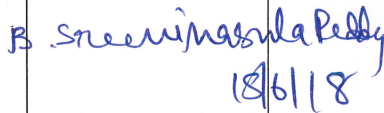

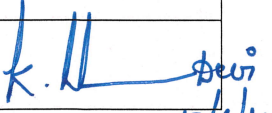
Agenda: 4

Approval of panel of Examiners

Resolution: 4

Approval the panel of examiners prepared for valuation (given in **Annexure – IV**) 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 chairman, BOS.

Members Present

| S.No. | Name of the member | Designation/Organization | Role in the BOS | Signature |
|-------|----------------------------|--|-----------------|--|
| 1 | Mr. Y. Guru Prasad | Associate Professor & H.O.D. – SIETK | Chairman |  |
| 2 | Dr. K. Chandrasekhar Reddy | Professor & Principal – SIETK | Member |  |
| 3 | Dr. S Sunil Kumar Reddy | Professor & Head Mechanical Engineering -SIETK | Member |  |
| 4 | Dr. C. Prabhu Rama Krishna | Professor-SIETK Mechanical Engineering | Member |  |
| 5 | Mr. C. Siva Kumar Prasad | Associate Professor & Head Civil Engineering – SIETK | Member |  |
| 6 | Mr. Vinod Kumar Balaji | Assistant Professor- SIETK Civil Engineering | Member |  |
| 7 | Mr. M. Pratap Reddy | Assistant Professor- SIETK Civil Engineering | Member |  |
| 8 | Dr.S. Kaleemullah | Associate Dean, College of Food Science & Technology, Pulivendula, Kadapa, Andhra Pradesh. | Member |  |
| 9 | Dr. B. Sreenivasula Reddy | Scientist and Head Post-harvest Engineering and Technology Centre Regional Agricultural Research Station S.V. Agricultural College Campus (Acharya N.G. Ranga Agricultural University) Tirupati-517502 Chittoor Dt. Andhra Pradesh | Member |  18/6/18 |
| 10 | Dr. C. Ramana | Associate Dean & University Head (FMP), College of Agricultural Engineering, ANGRAU Madakasira, Anantapuram. | Member |  |
| 11 | Mrs. Lakshmi Devi | Mandal Agricultural officer, Puttur, Chittoor Dt. | Member |  18/6/18 |