

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

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**8<sup>th</sup> BOS Meeting of Agricultural Engineering (AG ENGG)**

Date: 14-03-2022

The 8<sup>th</sup> meeting of Board of Studies (BOS) in Agricultural Engineering is held on 14 March, 2022 at 10.00 AM through online Zoom Platform 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.

Dr. Bogala Madhu, Chairman BOS chaired the meeting and welcomed all the members to the Eighth BOS meeting and discussed about the following agenda

**Agenda:**

1. To discuss and frame the syllabi for III year B.Tech. Under R20 Regulation.
2. To discuss and frame the syllabi for IV year B.Tech. Under R19 Regulation.
3. To prepare the panels of examiners and paper setters for III and IV B.Tech that comes under R20 and R19 respectively.
4. 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 syllabi for III year UG in Agricultural Engineering w.e.f., A.Y. 2022-23 Under R20 Regulation.

**Resolution: 1**

After detailed discussion the BOS resolved to approve the syllabi for III year UG in Agricultural Engineering w.e.f., A.Y. 2022-23 Under R20 Regulation (Given in **Annexure-I**).

### A. Course & Syllabus Comparison

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

#### III B.Tech (R20)

S.No	R19	R20	Percentage of syllabus content changed
1	Soil Mechanics	Soil Mechanics	0
2	Farm machinery & Equipment-II	Farm machinery& Equipment-II	0
3	Agricultural Process Engineering	Agricultural Process Engineering	0
4	Soil and Water Conservation Engineering	Soil and Water Conservation Engineering	0
5	Non-Conventional Energy Resources	Non- Conventional Energy Sources	0
6	Farm machinery & Equipment-II Lab	Farm Machinery & Equipment-II Lab	0
7	Agricultural Process Engineering Lab	Agricultural Process Engineering Lab	0
8	Dairy &Food Engineering	Dairy and Food Engineering	0
9	Dairy & Food Engineering Lab	Dairy and Food Engineering Lab	0
10	Agricultural Engineering (Virtual Lab)	Agricultural Engineering (Virtual Lab)	0
11	English for Corporate Communication Skills Lab	English for Corporate Communication Skills Lab	0
12		Computer Aided Modelling Lab-II	100
13		Essence of Indian Traditional Knowledge	100
14		Summer Internship 2 Months	100
15		Tractor Systems & Controls	100
16		Irrigation & Drainage Engineering	100
17cx		Agricultural Engineering Structures	100
18		Solid Waste & By-Product Utilization	100
19		Watershed Development	100
20		Fundamentals of Urban Planning	100
21		Industrial Instrumentation	100
22		General Mechanical Engineering	100
23		Elements of Embedded Systems	100

24		Java Programming	100
25		Intellectual Property Rights	100
26		Irrigation & Drainage Engineering Lab	100
27		Environmental sciences	100

#### Consolidated Sheet

Course	Total Courses	Percentage of Syllabus changed
III Year B.Tech AGE	27	59.26

#### B. Course Relevance

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

S. No.	Name of the Subject	Course Code	Relevance
1	Soil Mechanics	20CE0161	Employability
2	Farm machinery& Equipment-II	20AG0707	Employability
3	Agricultural Process Engineering	20AG0708	Employability
4	Soil and Water Conservation Engineering	20AG0706	Employability
5	Land scape Irrigation Design and Management	20AG0721	Employability
6	Plastic Application in Agriculture	20AG0722	Employability
7	Fundamentals of Civil Engineering	20CE0170	Employability
8	Generation of Energy through Waste	20EE0227	Employability
9	Non- Conventional Energy Sources	20ME0322	Employability
10	Introduction to Communication Systems	20EC0451	Skill Development
11	Relational Database Management System	20CS0550	Skill Development
12	Management Science	20HS0813	Employability
13	Farm Machinery & Equipment-II Lab	20AG0709	Employability
14	Agricultural Process Engineering Lab	20AG0710	Employability
15	Computer Aided Modeling Lab-II	20ME0323	Employability
16	Essence of Indian Traditional Knowledge	20HS0817	Employability
17	Summer Internship 2 Months	20AG0711	Employability
18	Tractor Systems & Controls	20AG0712	Employability
19	Dairy and Food Engineering	20AG0713	Employability
20	Irrigation & Drainage Engineering	20AG0714	Employability
21	Agricultural Engineering Structures	20AG0723	Employability
22	Solid Waste & By-Product Utilization	20AG0724	Employability
23	Watershed Development	20AG0725	Employability



24	Fundamentals of Urban Planning	20CE0147	Employability
25	Industrial Instrumentation	20EE0235	Employability
26	General Mechanical Engineering	20ME0354	Employability
27	Elements of Embedded Systems	20EC0452	Employability
28	Java Programming	20CS0551	Employability
29	Intellectual Property Rights	20HS0814	Employability
30	Dairy and Food Engineering Lab	20AG0715	Employability
31	Irrigation & Drainage Engineering Lab	20AG0716	Employability
32	Agricultural Engineering (Virtual Lab)	20AG0717	Employability
33	English for Corporate Communication Skills Lab	20HS0859	Skill Development
34	Environmental sciences	20HS0801	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: 2**

Approval of syllabi for IV year UG in Agricultural Engineering w.e.f., A.Y. 2022-23 Under R19 Regulation.

#### **Resolution: 2**

After detailed discussion the BOS resolved to approve the syllabi for IV year UG in Agricultural Engineering w.e.f., A.Y. 2021-22 Under R19 Regulation (Given in Annexure-II).

#### **A. Course & Syllabus Comparison**

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

#### **IV B.Tech (R19)**

S.No	R18	R19	Percentage of syllabus content changed
1	Supply Chain Management	Supply Chain Management	0
2	Food Processing Plant Design and Layout	Food Processing Plant Design and Layout	0
3	Food Packaging Technology	Food Packaging Technology	0
4	Food Quality and Control	Food Quality and Control	0
5	Watershed Development	Watershed Development	0
6	Information Technology for Land and Water Management	Information Technology for Land and Water Management	0

7	Tractor Systems & Controls	Tractor Systems & Controls	0
8	Design of Agricultural Machinery	Design of Agricultural Machinery	0
9	Precision Agriculture and System Management	Precision Agriculture and System Management	0
10	Project Phase-I	Project Phase-I	0
11	MOOC-I	MOOC	0
12	Comprehensive Viva Voce	Comprehensive Viva Voce	0
13	Project Phase-II	Project Phase-II	0
14		Internship (60 Hours)	100
15		Seminar	100
16		Hydrology, Ground Water & Well Engineering	100
17		Solid Waste & By-Product Utilization	100
18		Irrigation & Drainage Engineering	100

#### Consolidated Sheet

Course	Total Courses	Percentage of Syllabus changed
IV Year B.Tech AGE	18	27.77

#### B. Course Relevance

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

S.No	Subject	Course Code	Relevance
1	Supply Chain Management	19HS0860	Employability
2	Solid Waste & By-Product Utilization	19AG0720	Employability
3	Irrigation & Drainage Engineering	19AG0721	Employability
4	Food Processing Plant Design and Layout	19AG0722	Employability
5	Food Packaging Technology	19AG0723	Employability
6	Food Quality and Control	19AG0724	Employability
7	Hydrology, Ground Water & Well Engineering	19AG0725	Employability
8	Watershed Development	19AG0726	Employability
9	Information Technology for Land and Water Management	19AG0727	Employability
10	Tractor Systems & Controls	19AG0728	Employability
11	Design of Agricultural Machinery	19AG0729	Employability
12	Precision Agriculture and System Management	19AG0730	Employability

13	Internship (60 Hours)	19AG0715	Employability
14	Project Phase-I	19AG0716	Employability
15	MOOC		Employability
16	Seminar	19AG0717	Employability
17	Comprehensive Viva Voce	19AG0718	Employability
18	Project Phase-II	19AG0719	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 the panels of examiners and paper setters for III and IV B.Tech that comes under R20 and R19 respectively.

**Resolution: 3**

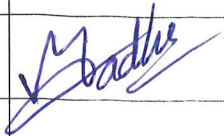

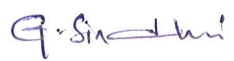



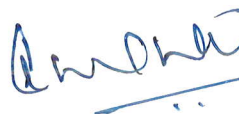
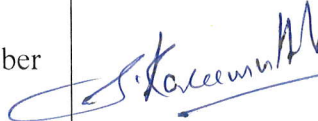

Approval the panels of examiners and paper setters (given in **Annexure – III**) to be submitted to the college academic council for approval.

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



2022-23

**Members Present**

S.No.	Name of the Member	Designation/Organization	Role in the BOS	Signature
1	Dr. Bogala Madhu	Assistant Professor & H.O.D. – SIETK	Chairman	
2	Dr. Shashikumar	Assistant Professor Agricultural Engineering-SIETK	Member	
3	Mrs. G. Sindhuri	Assistant Professor Agricultural Engineering-SIETK	Member	
4	Ms. Soumya K. Kulkarni	Assistant Professor Agricultural Engineering-SIETK	Member	
5	Ms. G. Pameela	Assistant Professor Agricultural Engineering-SIETK	Member	
6	Ms. V. Priyanka	Assistant Professor Agricultural Engineering-SIETK	Member	
7	Dr. C.Ramana	Principal Scientist & University Head(FMPE) Regional Agricultural Research Station (RARS), ANGRAU, Tirupathi-517502 Chittoor Dt. A.P Ph:9440914961 Email:ramana1963@rediffmail.com	Member	
8	Dr. S. Kaleemullah	Principal Scientist & Head, Post- Harvest Engineering & Technology, Regional Agricultural Research Station, ANGRAU, Tirupati-517502 Ph:9440181098 Email:drkaleems@yahoo.co.in	Member	
9	Dr. K. Madhusudhana Reddy	Associate Professor Department of (SOWE) S.V. Agricultural College, Tirupathi-517502 Chittoor Dt. A.P Ph: 8897892827 Email: madhu.karakala@gmail.com	Member	
10	Mrs. K Lakshmi Devi	Assistant Director of Agriculture, Kadapa Ph:9100896709 Email:kondurulakshmidewi@gmail.com	Member	