

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

9th BOS Meeting of Agricultural Engineering (AG ENGG)

Date: 24-06-2023

The 9th meeting of Board of Studies (BOS) in Agricultural Engineering is held on 24 June, 2023 at 10.00 AM in the Department of Agricultural Engineering, Siddharth Institute of Engineering and Technology, Puttur, Tirupati – 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 course structure for IV year B.Tech. Under R20 Regulation
2. To discuss and frame the syllabi for IV year B.Tech. Under R20 Regulation
3. To prepare the panels of examiners and paper setters for IV year B.Tech that comes under R20 regulations.
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 course structure for IV year B.Tech in Agricultural Engineering w.e.f., A.Y. 2023-24 Under R20 Regulation.

Resolution: 1

After detailed discussion the BOS resolved to approve the course structure for IV year B.Tech in Agricultural Engineering w.e.f., A.Y. 2023-24 Under R20 Regulation (Given in **Annexure-I**).

Agenda: 2

Approval of syllabi for IV year B.Tech in Agricultural Engineering w.e.f., A.Y. 2023-24 Under R20 Regulation.

Resolution: 2

After detailed discussion the BOS resolved to approve the syllabi for IV year B.Tech in Agricultural Engineering w.e.f., A.Y. 2023-24 Under R20 Regulation (Given in **Annexure-II**).

A. Course & Syllabus Comparison

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

IV B.Tech (R20)

S.No	R19	R20	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	Hydrology, Ground Water & Well Engineering	Hydrology, Ground Water & Well Engineering	0
6	Information Technology for Land and Water Management	Information Technology for Land and Water Management	0
7	MOOCS	MOOCS	0
8	Project phase-II	Project Work	0
9	Internship (60 Hours)	Summer Internship of 120 Hours	50
10	Elements of Road Traffic Safety	Elements of Road Traffic Safety	0
11	Electrical Energy Conservation and Auditing	Electrical Energy Conservation and Auditing	0
12	Introduction to IOT	Introduction to IOT	0
13	Business Ethics	Business Ethics	0
14	Project Planning and Control	Project Planning and Control	0
15	Neural Networks and Fuzzy Logic	Neural Networks and Fuzzy Logic	0
16	MATLAB Programming	MATLAB Programming	0
17	Strategic Management	Strategic Management	0
18		Minor Irrigation and Command are Development	100
19		Farm Machinery Design and Production	100
20		Tractor Design and Testing	100

21		Hydraulic Drives and Control	100
22		Fire & Safety Engineering	100
23		Python Programming	100
24		Waste Resource Management	100
25		Computer simulation lab	100
26		Artificial Intelligence & Machine Learning	100

Consolidated Sheet

Course	Total Courses	Percentage of Syllabus changed
IV Year B.Tech AGE	26	36.53

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	20HS0860	Employability
2	Farm Machinery Design and Production	20AG0726	Employability
3	Tractor Design and Testing	20AG0727	Employability
4	Hydraulic Drives and Control	20AG0728	Employability
5	Food Processing Plant Design and Layout	20AG0729	Employability
6	Food Packaging Technology	20AG0730	Employability
7	Food Quality and Control	20AG0731	Employability
8	Hydrology, Ground Water & Well Engineering	20AG0732	Employability
9	Information Technology for Land and Water Management	20AG0733	Employability
10	Minor Irrigation and Command are Development	20AG0734	Employability
11	Elements of Road Traffic Safety	20CE0138	Employability
12	Electrical Energy Conservation and Auditing	20EE0237	Employability
13	Fire & Safety Engineering	20ME0356	Employability
14	Introduction to IOT	20EC0453	Employability
15	Python Programming	20CS0511	Employability
16	Business Ethics	20HS0861	Employability
17	Project Planning and Control	20CE0171	Employability
18	Neural Networks and Fuzzy Logic	20EE0239	Employability
19	Waste Resource Management	20ME0357	Employability
20	MATLAB Programming	20EC0454	Employability

21	Artificial Intelligence & Machine Learning	20CS0552	Employability
22	Strategic Management	20HS0862	Employability
23	Computer simulation lab	20ME0374	Employability
24	Summer Internship of 120 Hours (Mandatory)	20AG0718	Employability
25	MOOCS		Employability
26	Project Work	20AG0719	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 paper setters and examiners for IV year B.Tech that comes under R20 regulations.

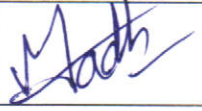

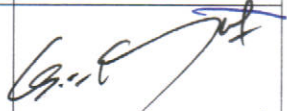

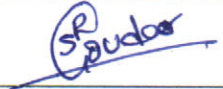

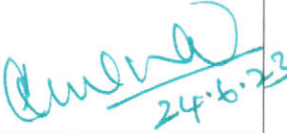
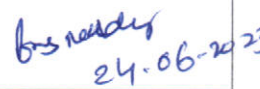
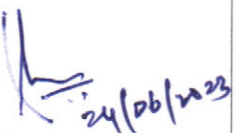
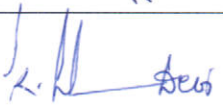
Resolution: 3

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.

DEPARTMENT OF AGRICULTURAL ENGINEERING

Members Present

S.No.	Name of the Member	Academic/ Industry Designation	Role in the BOS	Signature
1	Dr. Bogala Madhu	Assistant Professor & Head	Chairman	
2	Dr. Sunil Kumar Reddy	Professor & Head Department of Mechanical Engineering	Member	
3	Prof. C. Siva Kumar Prasad	Associate Professor & Head Department of Civil engineering	Member	
4	Mrs. Ch. Wagdevi	Assistant Professor	Member	
5	Ms. Sneha Goudar	Assistant Professor	Member	
6	Ms. Maheswari	Assistant Professor	Member	
7	Dr. C. Ramana	Associate Director of Research, Principal Scientist & University Head (FMPE), Regional Agricultural Research Station (RARS), ANGRAU, Tirupati	Member	 24.6.23
8	Dr. K. Madhusudhana Reddy	Principal Scientist, Regional Agricultural Research Station (RARS), ANGRAU, Tirupati	Member	 24.06.2023
9	Dr. L. Edukondalu	Professor & Head, Department of Food Processing Technology, College Food Science and Technology, ANGRAU, Pulivendula	Member	 24/06/2023
10	Mrs. K Lakshmi Devi	Assistant Director of Agriculture, Kadapa, A.P.	Member	 K.L. Devi