

2017 - 2018

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

2nd BoS Meeting of Mechanical Engineering (ME)

Date: 23-12-2017

The 2nd meeting of Board of Studies (BoS) in Mechanical Engineering is held on 23 December, 2017 at 10.00 AM in the Department of Mechanical 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. Sunil Kumar Reddy, 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 ME w.e.f., 2018-19.
2. Preparation of syllabus for III & IV year UG in ME 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 items

2017 - 2018

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 ME w.e.f., 2018-19.

Resolution: 1

After the detailed discussion the course structure for III & IV year UG in ME 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 ME w.e.f., 2018-19.

Resolution: 2

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

A. Course & Syllabus Comparison

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

III B.Tech

S. No	R15 Regulation	R16 Regulation	Percentage of course content changed
1	MOOC-II Industrial Engineering & Management	Industrial Engineering & Management	7
2	Thermal Engineering	Thermal Engineering	60
3	CBCC-I Non-Conventional Source of Energy	Non-Conventional Energy Resources	37.5
4	Design of Machine Members-I	Design of Machine Elements-I	10
5	Automobile Engineering	Automobile Engineering	50

2017 - 2018

6	Machine Tools	Machine Tools	0
7	Thermal Engineering Laboratory	Thermal Engineering- Lab	20
8	Machine Tools Lab	Machine Tools Lab	20
9		Comprehensive Online Examination-III	100
10		Aptitude Practice-I	100
11	Environmental Studies	Environmental Studies	20
12	Managerial Economics & Financial Analysis	Managerial Economics & Financial Analysis	10
13	Design of Machine Members – II	Design of Machine Elements-II	20
14	Heat Transfer	Heat Transfer	30
15	CAD/CAM	CAD/CAM	100
16		Advanced English Language and	100
17		Communication Skills Lab	100
18		Comprehensive Online Examination-IV	100
19		Aptitude Practice-II	100

Consolidated Sheet

Course	Total courses	Percentage of syllabus changed
ME B.Tech III Year	19	51.81

IV B.Tech

S. No	R15 Regulation	R16 Regulation	Percentage of course content changed
1	MOOCS -I Entrepreneurship	Entrepreneurship Development	45
2	Operations Research	Operations Research	20
3	Refrigeration & Air	Refrigeration & Air Conditioning	0

2017 - 2018

	Conditioning		
4	Metrology and Measurements	Metrology & Measurements	0
5	Finite Element Methods	Finite Element Methods	10
6	Quality Control and Reliability Engineering	Quality Control and Reliability Engineering	100
8	Metal Forming Process	Metal Forming Process	20
9		Elements of Road Traffic Safety	100
10		Neural Networks & Fuzzy Logic	100
11		Matlab Programming	100
12		Database Management Systems	100
13	Intellectual Property Rights	Intellectual Property Rights	0
14	Metrology and Measurements Lab	Metrology and Measurements Lab	0
15	Computer Aided Engineering Lab	Computer Aided Engineering Lab	50
16	Mechatronics	Mechatronics	100
17	MOOCS -III Power Plant Engineering	Power Plant Engineering	10
18	Production & Operation Management	Production and Operation Management	0
19	Modern Manufacturing Methods	Modern Manufacturing Methods	0
20	MOOCS -III Gas Turbine and Jet Propulsion	Gas Turbine and Jet Propulsion	0
21	Automation and Robotics	Automation & Robotics	20
22	Advanced welding processes	Advanced welding processes	100
23		MOOC	100
24		Seminar	100
25		Project	100

Consolidated Sheet

Course	Total courses	Percentage of syllabus changed
ME B.Tech IV Year	25	47

2017 - 2018

B. Course Relevance

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

B.Tech

S.No	Course Title	Course Code	Relevance
1	Entrepreneurship Development	16MB751	Entrepreneurship
2	Operations Research	16ME324	Employability
3	Refrigeration & Air Conditioning	16ME325	Employability
4	Metrology & Measurements	16ME326	Employability
5	Finite Element Methods	16ME327	Employability
6	Quality Control and Reliability Engineering	16ME328	Employability
7	Metal Forming Process	16ME329	Employability
8	Elements of Road Traffic Safety	16CE145	Skill Development
9	Neural Networks & Fuzzy Logic	16EE239	Skill Development
10	Matlab Programming	16EC443	Skill Development
11	Database Management Systems	16CS511	Skill Development
12	Intellectual Property Rights	16MB752	Entrepreneurship
13	Metrology and Measurements Lab	16ME330	Skill Development
14	Computer Aided Engineering Lab	16ME331	Skill Development
15	Mechatronics	16ME332	Employability
16	Power Plant Engineering	16ME333	Employability
17	Production and Operation Management	16ME334	Employability
18	Modern Manufacturing Methods	16ME335	Employability
19	Gas Turbine and Jet Propulsion	16ME336	Employability
20	Automation & Robotics	16ME337	Employability

2017 - 2018

21	Advanced welding processes	16ME338	Employability
22	MOOC courses-offered by SWAYAM/ NPTEL/ NISTE-suggested by the department(online courses)	MOOCS	Skill Development
23	Seminar	16ME339	Employability
24	Project work	16ME340	Employability
25	Industrial Engineering & Management	16ME311	Employability
26	Thermal Engineering	16ME312	Employability
27	Non-Conventional Energy Resources	16ME313	Employability
28	Design of Machine Elements-I	16ME314	Employability
29	Automobile Engineering	16ME315	Employability
30	Machine Tools	16ME316	Employability
31	Thermal Engineering- Lab	16ME317	Skill Development
32	Machine Tools Lab	16ME318	Skill Development
33	Aptitude Practice-I	16HS616	Skill Development
34	Environmental Studies	16HS605	Skill Development
35	Managerial Economics & Financial Analysis	16MB750	Entrepreneurship
36	Design of Machine Elements-II	16ME319	Employability
37	Heat Transfer	16ME320	Employability
38	CAD/CAM	16ME321	Employability
39	Advanced English Language and Communication Skills Lab	16HS615	Skill Development
40	Heat Transfer Lab	16ME322	Skill Development
41	Computer Aided Design Lab	16ME323	Skill Development
42	Aptitude Practice-II	16HS617	Skill Development

2017 - 2018

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

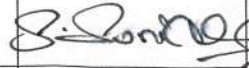
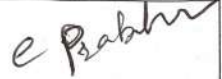
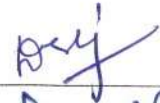
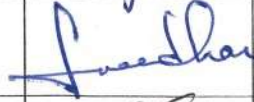





Suggesting panel of examiners.

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	Dr. S. Sunil Kumar Reddy	Professor &HOD-SIETK	Chairman	
2	Dr. C. Prabhu Rama Krishnan	Professor-SIETK	Member	
3	Dr. D. Subramanyam	Professor-SIETK	Member	
4	Dr. C.Sreedhar	Professor-SIETK	Member	
5	Mr. F. Ananda Raju	Professor-SIETK	Member	
6	Dr. BVSSS Prasad	Professor & Head, IIT, Madras, Chennai	Member	
7	Dr. M. Nageswara Rao	Professor &Dean, VIT University, Vellore Campus	Member	
8	Dr. G. Jaya Chandra Reddy	Professor & Head Yogi Vemana University Prodattur, Kadapa	Member	
9	Mr. N. Sudarsan Reddy	General Manager(Admin), NELCAST, Industrial Estate, Gudur, Nellore Dist.	Member	
10	Mr. R. Bhaskar Reddy	Asst.Professor, Sri padmavati mahila viswa vidyalayam, Tirupati, Chittoor Dist.	Member	