



**Annasaheb Dange College of Engineering and  
Technology, Ashta  
An Autonomous Institute**

**Minutes of Meeting**

**BOS Meeting F.Y. B. Tech & T.Y.B. Tech**

**Date – 20<sup>th</sup> April, 2019, Saturday**

**DEPARTMENT OF MECHANICAL ENGINEERING**



**Annasaheb Dange College of Engineering and Technology**  
(An Autonomous Institute Affiliated to Shivaji University, Kolhapur)



**Department of Mechanical Engineering**

### **Board of Studies Members**

1. Dr. Prashant Kumar, Professor Emeritus, COEP Pune
2. Dr. S S Mohite, Professor, GCE Karad
3. Dr. Vasudev Shinde, Professor, DKTE Ichalkaranji
4. Mr. Ramesh Gavade, Manager, KBL Pune (Industry Expert)
5. Mr. Ganesh Nikam, (Alumnus & Industry Expert, Forbes Marshall)

### **Agenda of Meeting**

1. BOS meeting
2. Department activities
3. Formation and Finalization of revised 170 Credit Curriculum Structure
4. Discussion on third year courses (192 credits) and first year courses (170 credits) syllabus
5. Discussion on Sem-III to Sem-VIII structure of 170 Credit Structure.
6. Discussion about Professional and Open Electives to be added in revised curriculum



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## Suggestion/ Comments given by BOS members

### T. Y. B.Tech

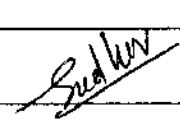
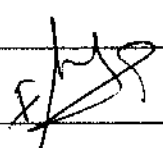
Sr. No	Course	Comments/ suggestions
1	Advanced Foundry Technology	Relation between advanced foundry and advanced manufacturing- Difference in syllabus
2	---	Software subject to be added in first semester
3	CAD -CATIA	CAD -CATIA, solid works to be added
4	Design of Machine Elements -I	1. Selection of material. steps in design must be included, Problem definition- which is required for project (product design steps) 2. Prototyping without numerical to create interest in students 3. Can be done in mini project prototype development
5	Heat &Mass Transfer	Basic concept of Mass Transfer must be added
8	Manufacturing Engineering	1. Economic aspects of tooling can be added 2. Standard operating procedure to add
10	Heat &Mass Transfer Laboratory	Numerical analysis assignment on heat transfer (application of Advanced Numerical Method - Like simple bar conduction, 2D Laplace equation)
11	Dynamics of Machine Laboratory	1. Gyroscope - on small mobile, miniature gyroscope can be introduced (content beyond syllabus) 2. Industrial visit can be included regarding usage of FFT analyzer
12	Advanced Mechanics of Solids	1. Bending through equations can be added 2. Sensors must be added
13	Advanced Foundry Technology	1. Introduce 3D printing, die casting, advanced techniques for pattern making 2. Special Steels to add in unit no 4 , melting of special steels 3. In composite Laboratory course add polymers. 4. Composite must not be elective 5. Casting of polymers must be included
14	Manufacturing Engineering Laboratory	1. Jig fixture assembly and dismantling 2. Manufacturer's catalogues must be used
16	MINI Project	The no of students in each group can be reduced. (may be 5)
17	Mechatronics	1. 8051, 8052, Arduino can be mentioned 2. Remove outdated parts like flipflops
18	Hydraulics and pneumatics	Study of earthmoving systems, single system, full system
19	Metrology and Quality Control	1. Quality Management System to be added 2. Quality tools to be included

20	Finite Element Analysis	1. Practical use of software 2. Verification of the results
21	Advanced Manufacturing Technology	Unit no. 4 can be eliminated- Composite Manufacturing and Composite Machining can be added.
22	Computational Fluid Dynamics	1. More practical's on software to be engaged 2. Connectivity in theory and Laboratory must be established 3. During lecture hours practical problems can be taken
23	Research Methodology -II	IPR (Patent filing) can be introduced
24	Mechanical Measurement Laboratory	1. Exposure to strain gauges 2. Force and torque measurement to be removed 3. Use of strain gauges for various applications to be made aware about
26	Mechatronics Laboratory	1. Arduino to be added 2. Curriculum of Microprocessor and Microcontroller to be reduced
27	Finite Element Analysis Laboratory	1. Beam model analysis assignment can be added 2. Harmonic transient analysis
28	Advanced Manufacturing Technology Laboratory	3D printing machine is required
29	Workshop Practice- VI	Make saleable product in group of 4 to 5 students
30	----	Pressure vessel design - Process Equipment as an elective can be floated

### Suggestion / Comments given by BOS members

#### F. Y. B.Tech

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1	C++	Reduce contact Hours
2	Engineering Graphics	Free hand sketches can be incorporated to improve skills
3	Machine Drawing Laboratory	Properly/ specific problem to be mentioned.

Prepared by		Approved by	
BOS In charge	Mrs. J. S. Jadhav	H.O.D.	