

**Department of Mechanical Engineering  
School of Engineering & Technology  
Sharda University, Greater Noida**

**Minutes of BOS Meeting**

Date: 01<sup>st</sup> June, 2018

1. External members of BOS suggested that the following courses should be included as departmental electives:
  - a. Elevator Engineering (3-0-0)3
  - b. Six-sigma practices (3-0-0)3
  - c. Internet of Things (IoT) (3-0-0)3
2. The course of Material Science and Metrology (3-0-0)3 may be split into two separate courses, Material Science (2-0-0)2 and Metrology (0-0-2)1.
3. The external experts were of the opinion that the students after completion of 1<sup>st</sup> and 2<sup>nd</sup> year studies may not be ready to go for proper industry internship since they may not be able to derive the intended benefits. Also, the industries may not be willing to accommodate students for internship at their premature stage. It was suggested that instead of industry internship alone, we could have a bucket containing industry internship, training in industry relevant skills, etc., of at least 4 weeks duration.
4. Some suggestion for Project based learning were also given. These included:
  - a. Design and Fabrication of Experiments for teaching lab.
  - b. Small industry related projects.
5. It was recommended that instead of 2D CAD lab in the 1<sup>st</sup> term, a 3D software should be included so that training should not be on Auto-CAD 2D but on software such as Solid Works. However some experience in reading 2D drawing and imagining their 3D shapes is highly desirable.

Meeting ended with vote of thanks to the chair.



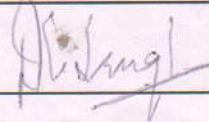
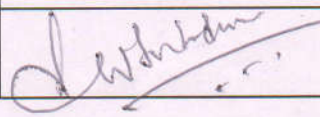



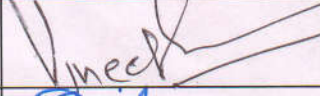
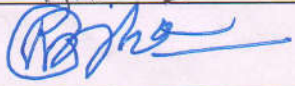


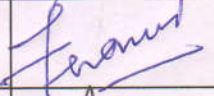

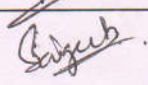

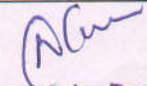
**Programs wise changes in BOS 2018:**

1. The total credits of programs B.Tech Mechanical Engineering, B.Tech Mechanical Engineering + M.Tech, B.Tech Mechanical Engineering + MBA, B.Tech Mechanical Engineering with specialization in Automobile Engineering and B.Tech Mechanical Engineering with specialization in Automobile Engineering + M.Tech are reduced to 160 credits for the 2018-2022 curriculum as presented in the Annexure.
2. The new program B.Tech Mechanical Engineering with specialization in Mechatronics has been introduced in 2018-2019 academic year as presented in the Annexure.
3. No changes in the curriculum of programs B.Tech Mechanical Engineering with specialization in Production and Industrial Engineering and B.Tech Mechanical Engineering with specialization in Aerospace Engineering as presented in the Annexure.
4. No much changes in the curriculum of programs M.Tech Mechanical Engineering with specialization in Production and Industrial Engineering, M.Tech Mechanical Engineering with specialization in Machine Design and B.Tech Mechanical Engineering with specialization in Fluid and Thermal Engineering as presented in the Annexure.



**Proposed list of Member of BOS**  
**Department of Mechanical Engineering**  
**School of Engineering and Technology**  
**SHARDA UNIVERSITY**

Date: 01/June/2018

1 External Members		Sign
I.	<b>Dr. D.V. Singh</b> Ex-Director, IIT-Roorkee	
II.	<b>Dr. Sudipto Mukherjee</b> Department of Mechanical Engineering, IIT-Delhi	
III.	<b>Mr. A.N. Seshadri</b> Vice President, Perkins, Gurugram	
2 Internal Members		
I.	<b>Prof. Bhim Singh</b> HoD, Department of ME, Sharda University	
II.	<b>Prof. Vijay Gupta</b> Distinguished Professor, Department of ME, Sharda University	
III.	<b>Dr. Ananda Babu</b> Associate Professor, Department of ME, Sharda University	
IV.	<b>Dr. Vineet Kumar</b> Assistant Professor, Department of ME, Sharda University	
V.	<b>Mr. R.S.Ojha</b> Assistant Professor, Department of ME, Sharda University	
VI.	<b>Mr. A.K. Sehgal</b> Assistant Professor, Department of ME, Sharda University	
VII.	<b>Mr. Shibamay Mitra</b> Assistant Professor, Department of ME, Sharda University	
VIII.	<b>Mr. Francis John</b> Assistant Professor, Department of ME, Sharda University	
IX.	<b>Ms. Akanksha Mishra</b> Assistant Professor, Department of ME, Sharda University	
X.	<b>Ms. Saigeeta Priyadarshini</b> Assistant Professor, Department of ME, Sharda University	
XI.	<b>Mr. Gomish Sharma</b> Assistant Professor, Department of ME, Sharda University	
XII.	<b>Mr. Nitesh Kumar</b> Assistant Professor, Department of ME, Sharda University	

Head of the Department  
Mechanical & Automobile Engineering  
School of Engineering & Technology  
Sharda University  
Greater Noida

**Prof. Bhim Singh**  
**HOD-ME**

**School of Engineering and Technology**  
**M.Tech-Mechanical Engineering with Machine Design**  
**Batch: 2018-2020**

**TERM: I**

S. No.	Paper ID	Subject Code	Subjects	Teaching Load			Credits	Pre-Requisite/Co Requisite
				L	T	P		
THEORY SUBJECTS								
1.		MME 1XX	Finite Element Method with MATLAB	3	0	2	4	-
2.		MME 114	Industrial Robotics	3	1	0	4	-
3.		MME 1XX	Mechanics of Composite Materials	3	0	0	3	-
4.		MME 104	Advanced Materials Engineering	3	0	0	3	-
5.		MME XXX	Advanced Machine Design	3	0	0	3	-
6.		PCM 109	Technical Communication	1	0	2	2	
Practical/Viva-Voce/Jury								
7.		MPI 155	Simulation Lab 1	0	0	4	2	-
TOTAL CREDITS							21	-

**School of Engineering and Technology**  
**M.Tech-Mechanical Engineering with Machine Design**  
**Batch: 2018-2020**

**TERM: II**

S. No.	Paper ID	Course Code	Course	Teaching Load			Credits	Pre-Requisite/Co Requisite
				L	T	P		
THEORY SUBJECTS								
1.		MME 111	Instrumentation and Control	3	1	0	4	-
2.		MME 119	Machine Tool Design	3	0	0	3	-
3.		MME XXX	Open Elective	3	0	0	3	-
4.		MME XXX	Elective-1	3	0	0	3	-
5.		MME XXX	Elective-2	3	0	0	3	-
6.		MME681	Term Paper	0	2	0	1	-
Practical/Viva-Voce/Jury								
7.		MME 155	Simulation Lab- 2	0	0	4	2	-
TOTAL CREDITS							19	

**School of Engineering and Technology**  
**M.Tech-Mechanical Engineering with Machine Design**  
**Batch: 2018-2020**

**TERM: III**

S. No.	Paper ID	Course Code	Course	Teaching Load			Credits	Pre-Requisite/Co Requisite
				L	T	P		
Practical/Viva-Voce/Jury								
1.		MME 691	Seminar				2	-
2.		MME 692	Project				4	-
3.		MME 693	Dissertation Part - 1				10	-
TOTAL CREDITS							16	

**School of Engineering and Technology**  
**M.Tech-Mechanical Engineering with Machine Design**  
**Batch: 2018-2020**

**TERM: IV**

S. No.	Paper ID	Course Code	Course	Teaching Load			Credits	Pre-Requisite/Co Requisite
				L	T	P		
Practical/Viva-Voce/Jury								
1.		MME 694	Dissertation Part-II				16	-
TOTAL CREDITS							16	