



श्री माता वैष्णो देवी विश्वविद्यालय

Shri Mata Vaishno Devi University

Sub Post Office, Kakryal (Katra) – 182 320

School of Mechanical Engineering

SMV  
SoME  
B.Tech (ME)

No.: SMVDU/SoME/19/376

Date: 09/07/2019

Minutes of the Meeting of Board of Studies (BOS) of SoME held on 08<sup>th</sup> July, 2019 (B.Tech. Mechanical Engineering)

The meeting of Board of Studies (BOS) of SoME, SMVDU was held on 08<sup>th</sup> July, 2019 in the Conference room of Block-B, School of Mechanical Engineering and the following members were present in the meeting:

01.	Dr. R. K. Mishra	Head, SME	Chairman
02.	Prof. B. Anjaneya Prasad	JNTUH College of Engg.	External Member
03.	Prof. G. Krishna Mohana Rao	JNTUH College of Engg.	External Member
04.	Mr. Mahesh Kumar	Chief Manager, Escorts R&D Division, Faridabad	Member from Industry
05.	Mr. B. K. Bhatia	Trng. & Placement Officer	Special Invitee
06.	Dr. I. K. Pandita	Professor, SME	Member
07.	Dr. E. Muthusamy	Professor, SME	Member
08.	Dr. Ankush Anand	Assoc. Prof., SME	Member

*(Handwritten signatures and initials in blue ink)*

09.	Dr. Balbir Singh	Assoc. Prof., SME	Member
10.	Dr. Yatheshth Anand	Asstt. Prof., SME	Member
11.	Dr. Sanjay M. Sharma	Asstt. Prof., SME	Member
12.	Mr. Sanjay Sharma	Asstt. Prof., SME	Member
13.	Mr. Varun Dutta	Asstt. Prof., SME	Member
14.	Mr. Mir Irfan-UL Haq	Asstt. Prof., SME	Member
15.	Mr. Kapil Chopra	Asstt. Prof., SME	Member
16.	Mr. Amit Kr. Sinha	Asstt. Prof., SME	Member
17.	Mr. Ankush Raina	Asstt. Prof., SME	Member

Prof. Raj Pandey, IIT, Delhi could not attend the meeting as he was occupied with the pre assigned work. Mr. Rajiv Kumar, Asstt. Prof., SoME was on duty to attend the Course.

At the outset Dr. R. K. Mishra, Head, SoME welcomed all the members of the Committee present in the meeting. All the members in the meeting deliberated upon the various agenda items related to BOS of SoME vis-à-vis current status and after detailed discussions/ deliberations, the recommendations of the Committee is as follows:

1. It was decided that Credits should be clearly reflected and tutorials for core subjects be allocated so that the students get time to practice problems important from competitive exams point of view.
2. It was unanimously decided that in order to ensure uniformity in the course contents and to add clarity in the content to be covered prior to each exam the course contents be divided uniformly into



7. The experiments in the IC Engines Lab and Automobile Lab to be clubbed as Automobile Engineering Lab so as to accommodate the credits allocated to core courses and other labs.
8. With regard to Projects, Minor Project having 1.5 credits has been allocated to 7<sup>th</sup> Semester and Major Project having 10 credits has been added in 8<sup>th</sup> Semester.
9. All changes in the annexed course structure and course contents have been made after serious and through deliberations keeping in view the changing market scenario, GATE, AICTE model Curriculum and other competitive exams. Moreover care has been taken to uniformly distribute courses from various fields of mechanical engineering.

*(Handwritten signatures and initials)*

Row 1: *(Signature)*      *(Signature)*      *(Signature)*      *(Signature)*

Row 2: *(Signature)*      *(Signature)*      *(Signature)*      *(Signature)*

Row 3: *(Signature)*      *(Signature)*      *(Signature)*      *(Signature)*

Row 4: *(Signature)*      *(Signature)*      *(Signature)*      *(Signature)*

Mr. Ankush Raina  
Asstt. Prof., SME  
(Internal Member)

Mr. Amit Kr. Sinha  
Asstt. Prof., SME  
(Internal Member)

absent

Mr. Rajiv Kumar  
Asstt. Prof., SME  
(Internal Member)

Mr. Kapil Chopra  
Asstt. Prof., SME  
(Internal Member)

Mr. Mir Irfan-UL Haq  
Asstt. Prof., SME  
(Internal Member)

Mr. Varun Dutta  
Asstt. Prof., SME  
(Internal Member)

Mr. Sanjay Sharma  
Asstt. Prof., SME  
(Internal Member)

Dr. Sanjay M. Sharma  
Asstt. Prof., SME  
(Internal Member)

Dr. Yatheshth Anand  
Asstt. Prof., SME  
(Internal Member)

Dr. Ankush Anand  
Assoc. Prof., SME  
(Internal Member)

Dr. Balbir Singh  
Assoc. Prof., SME  
(Internal Member)

Dr. E. Muthusamy  
Professor, SME  
(Internal Member)

Dr. I. K. Pandita  
Professor, SME  
(Internal Member)

Prof. B. Anjaneya Prasad  
JNTUH College of Engg.  
(External Member)

absent

Dr. R. K. Pandey  
Professor  
IIT, Delhi  
(External Member)

Prof. G. Krishna Mohana  
Rao  
JNTUH College of Engg.  
(External Member)

Mr. Mahesh Kumar  
Chief Manager,  
Escorts R&D Division,  
Faridabad  
(Member from Industry)

Mr. B. K. Bhatia  
Trg. & Placement Officer  
(Special Invitee)

Dr. R. K. Mishra  
Head, SME  
(Chairman, BOS)

**Note:** There shall not be any deviation from the structure and syllabus and syllabus approved in the Academic year 2019-20 batch onwards.



**School of Mechanical Engineering**  
**Program Structure of B. Tech. Four Year Full Time Degree**  
**(Entry Batch 2019-22 Onwards)**

1 <sup>st</sup> Semester							
Sl. No.	AICTE CODE	Course Code	Course Title	L	T	S/P	C
1.	BSC	MTL1012	Engineering Mathematics-I	3	0	0	3
2	ESC	ECL1010	Basic Electronics	3	0	2	4
3	BSC	PHL1012	Engineering Physics	3	0	2	4
4	ESC	CSL1022	Introduction to 'C' Programming-	3	0	2	4
5	HSMC	LNL1411	Communication Skills	2	0	2	3
6	MC		Induction Program				
7	MC		NSS (Non-Credit)-UGC				
			Soft Skills Module-I (audit)	2	0	0	NC
<b>Lab</b>							
8	ESC		Mechanical Workshop	0	0	3	1.5
<b>TOTAL</b>				16	0	11	19.5
<b>Total Credits</b>				<b>19.5</b>			

2 <sup>nd</sup> Semester							
Sl. No.	AICTE Code	Course Code	Course Title	L	T	S/P	C
1	BSC	MTL1026	Engineering Mathematics-II	3	0	0	3
2	ESC	MEP 1116	Engineering Graphics	1	0	3	2.5
3	ESC	CSL3029	Programming in PYTHON-I(PL-2)PCC	3	0	2	4
4	BSC	MEL1112	Materials Science and Engineering	3	0	2	4
5	ESC	MEL1012	Engineering Mechanics	3	1	0	4
6	MC	PCL 1067	Discourse on Human Virtues - AICTE MC-HS	3	0	0	NC
	PCC	MEL2211	Thermodynamics	3	1	0	4
7			Soft Skills Module-II (audit)	2	0	0	NC
<b>TOTAL</b>				21	2	7	21.5
<b>Total Credits</b>				<b>21.5</b>			

Handwritten signatures and initials in blue ink, including names like 'Sajid', 'Anand', 'Rajeev', 'H.S.', 'V.K.', 'U.P.', 'K.P.', and 'S.P.', along with various scribbles and marks.

3 <sup>rd</sup> Semester							
Sl. No.	AICTE code	Course Code	Course Title	L	T	S/P	C
1	HSMC	PCI2042	Introduction to Logic-AICTE	3	0	0	3
2	PCC	MEL2015	Kinematics of Machines	3	1	0	4
3	PCC	MEL2231	Fluid Mechanics	3		2	5
4	PCC	MEL2014	Strength of Materials	3		2	5
5	PCC	MEL2013	Machine Drawing	1	0	3	2.5
6	MC		Environmental Studies-AICTE	3	0	0	NC
7			Soft Skills Module-III (audit)	2	0	0	NC
<b>TOTAL</b>				<b>18</b>	<b>3</b>	<b>7</b>	<b>19.5</b>
<b>Total Credits</b>				<b>19.5</b>			

4 <sup>th</sup> Semester							
Sl. No.	AICTE code	Course Code	Course Title	L	T	S/P	C
1	PCC	MEL 2232	Fluid Machines	3	1	2	5
2	PCC	MEL 2212	Thermal Engineering	3	0	2	4
3	PCC	MEL 2113	Manufacturing Processes	3	0	2	4
4	PCC	MEL 2018	Dynamics of Machines	3	1	2	5
5	PCC	MEL 2016	Mechanics of Materials	3	1	0	3
6	PCC	MEL3222	Internal Combustion Engines	3	0	0	3
7			Soft Skills Module-IV (audit)	2	0	0	NC
<b>TOTAL</b>				<b>20</b>	<b>3</b>	<b>8</b>	<b>25</b>
<b>Total Credits</b>				<b>25</b>			

5 <sup>th</sup> Semester							
Sl. No.	AICTE code	Course Code	Course Title	L	T	S/P	C
1	PCC	MEL3221	Heat and Mass Transfer	3	1	2	5
2	PCC	MEL3131	Industrial Engineering	3	0	0	3
3	PCC	MEL 2017	Machine Design - I	3	0	0	3
4	PCC	MEL	Metal Cutting and Machine Tool	3	0	2	4
5	ESC	MEL3021	CAD/CAM	3	0	2	4
6	PEC		School Elective -I	3	0	0	3
7			Constitution of India	1	0	0	NC
8			Summer Training-I	0	0	2	1
<b>TOTAL</b>				<b>19</b>	<b>1</b>	<b>8</b>	<b>23</b>
<b>Total Credits</b>				<b>23</b>			

6 <sup>th</sup> Semester							
Sl. No.	AICTE code	Course Code	Course Title	L	T	S/P	C
1	OEC		Open Elective-I	3	0	0	3
2	ESC	MEL3121	Metrology and Measurements	3	0	2	4
3			Automobile Engineering	3	0	2	4
4	PEC		School Elective-II	3	0	0	3
5	HSMC	MEL 2133	Operations Research	3	0	0	3
6	PCC	MEL 3020	Finite Element Analysis	3	0	0	3
7	PCC		Machine Design -II	3	0	0	3
<b>TOTAL</b>				<b>21</b>	<b>0</b>	<b>4</b>	<b>23</b>
<b>Total Credits</b>				<b>23</b>			

Handwritten signatures and initials in blue ink, including names like 'Raj', 'K. N.', 'S. P.', and 'U. P.', along with various scribbles and marks.

