

Agenda

2nd
Meeting of Board of Studies
of
Mechanical Engineering Department



**SHAHEED BHAGAT SINGH
STATE UNIVERSITY, FEROZEPUR**

Online Mode

DATE: 14.10.2022 & TIME: 10:00AM

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CONSTITUTION OF BOARD OF STUDIES OF MECHANICAL ENGINEERING DEPARTMENT

S. No.	Nomenclature	Designation
1.	Dr. Tejinder Singh Sidhu, Head of Department, Ferozepur	Chairman
2.	Dr. Anish Sachdeva, Professor, NIT Jalandhar	Member
3.	Dr. Vikas Chawla, Professor IKGPTU Kapurthala	Member
4.	Er. Sumit Aggarwal, Raunak International Jalandhar	Member
5.	Dr. Dheeraj K Mahajan, Associate Professor IIT Ropar	Member
6.	Er. Vivek Sood, Associate Professor ME	Member
7.	Dr. Tejeet Singh, Professor ME	Member
8.	Dr. Arun Kumar Asati, Professor ME	Member
9.	Dr. Gazalpreet Arneja, Professor ME	Member

Item No. 2.1 Confirmation of the Proceeding of the First meeting of the Board of Studies.

The approved proceedings of the first meeting of the Board of Studies held on 24.5.2022 were circulated to members of BOS for information and comments, if any, vide letter no. SBSSU/ME/2362 dated 30.5.2022 (Annexure-I, Page No. 7-8).

No comments have been received. The approved proceedings of 1st BOS meeting are placed before the BOS for confirmation please.

Item No. 2.2 To report action taken on the decisions of the 1st meeting of the Board of Studies.**Item No. 1.1 Regarding adoption of 2018 scheme of IKGPTU for the students of upto2021 batch and approval for list of Open Electives.**

Decision: Item has been ratified and approved as proposed

Action: The decision was implemented.

Item No. 1.2 Regarding syllabus of first year subjects pertaining to Mechanical Engineering for 2022 study scheme of SBSSU Ferozepur.

Decision: Item has been approved as proposed

Action: The decision was implemented.

Item No. 1.3 Regarding starting six months certificate course in welding technology.

Decision: Item has been approved as proposed

Action: The decision was implemented.

Item No.2.3 To decide the teaching scheme of M. Tech. Program in Mechanical Engineering for 2022 Batch.

The M. Tech program in our university has been started in the academic year 2022-2023 as per the AICTE approval letter no North-West/1-10969896226/2022/EOA dated 3rd July 2022. Now two students have taken admission in M. Tech program in Mechanical Engineering. However, till date the teaching scheme of M. Tech (Mechanical Engineering) has not been decided. Accordingly the proposed M. Tech scheme is placed as Annexure II at Page No. 9 to 10.

So it is recommended that either the M. Tech scheme as proposed above may be approved or the M. Tech scheme of IKGPTU Kapurthala/MRSPTU Bathinda may be selected.

The complete item is put up before the members for consideration and decision please.

Item No.2.4 To decide the teaching scheme of course work of Ph.D. Program in Mechanical Engineering for 2022-23 batch.

The Ph.D. program in our university has been started from the academic year 2021-2022. Till date the teaching scheme of IKGPTU Kapurthala has been followed for Ph.D students.

So it is proposed that the same scheme may be approved for the course work of Ph.D. Program in Mechanical Engineering for 2022-23 batch onwards.

The complete item is put up before the members for consideration and decision please.

Annexure - I



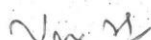
SHAHEED BHAGAT SINGH STATE UNIVERSITY
MOGA ROAD, (NH-95), FEROZEPUR-152004
(Established & Managed by the Punjab Govt.)
Department of Mechanical Engg.

SBSSU/ME/.....2362

Dated: 30.05.2022

1. Dr. T S Sidhu, HOD and Member
2. Dr. Tejeet Singh, Member
3. Dr. Arun Kumar Asati, Member
4. Dr. Ghazal Preet Singh Arneja, Member
5. Mrs. Vaishali Goyal,
6. Mr Gurnam singh
7. Dr. Ravinder Pal Singh

Please find attached herewith approved minutes of 1st meeting of Board of Studies of department of Mechanical Engineering, Shaheed Bhagat Singh State University Ferozepur for your information and comment if any.


(Vivek Sood)
Ex. HOD.Mech. Engg.

Shaheed Bhagat Singh State university, Ferozepur

Mechanical Engineering Department

MINUTES OF MEETING

A meeting of Board of studies was held on 24.05.2022 and following were present in the meeting:

1. Mr. Vivek Sood, Former Head of Department
2. Dr. T S Sidhu, HOD and Member
3. Dr. Tejeet Singh, Member
4. Dr. Arun Kumar Asati, Member
5. Dr. Ghazal Preet Singh Arneja, Member
6. Mrs vaishali Goyal, Mr Gurnam singh and Dr R P Singh (Academics Team)

The following decisions were taken unanimously:

Agenda Item No 1.1 Adoption of 2018 scheme of IKGPTU for the students of upto 2021 batch and approval for list of Open Electives.

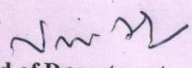
Item has been ratified and approved as proposed.

Agenda Item No -1.2 Syllabus of first year subjects pertaining to Mechanical Engineering for 2022 study scheme of SBSSU, Ferozepur.

Item has been approved as proposed.

Agenda Item No 1.3 Regarding starting six months certificate course in Welding technology

Item has been approved as proposed.


Head of Department

Annexure –II
STUDY SCHEME OF M.TECH (Mechanical Engineering)
(Batch 2022 AND ONWARDS)

SEMESTER 1

Subject Code	Subject Name	Load Hours/Week			Maximum Marks			Credits
		L	T	P	Int	Ext	Total	
MTME-101C	Advanced Design of Mechanical Systems	3	1	0	50	100	150	4
MTME-102C	Composite Materials	4	0	0	50	100	150	4
MTME-103C	Advanced Thermodynamics	3	1	0	50	100	150	4
MTME-104C	Operations Management	4	0	0	50	100	150	4
MTME-105C	Advanced Engineering Materials	4	0	0	50	100	150	4
Total		18	02	0	250	500	750	20
Total Contact Hours/Week =20								

SEMESTER 2

Subject Code	Subject Name	Load Hours/Week			Maximum Marks			Credits
		L	T	P	Int	Ext	Total	
MTME-201C	Research Methodology	3	1	0	50	100	150	4
MTME-202C	Advanced Vibration Engineering	4	0	0	50	100	150	4
MTME-203C	Modern Manufacturing Processes	4	0	0	50	100	150	4
MTME-204C	Advanced Heat and Mass Transfer	3	1	0	50	100	150	4
MTME-xxxC	Elective-I	4	0	0	50	100	150	4
Total		18	02	0	250	500	750	20
Total Contact Hours/Week =20								

SEMESTER 3

Subject Code	Subject Name	Load Hours/Week			Maximum Marks			Credits
		L	T	P	Int	Ext	Total	
MTME-xxxC	Elective -II	4	0	0	50	100	150	4
MTME-xxxC	Elective -III	4	0	0	50	100	150	4
MTME-301C	Project	0	0	12	50	50	100	6
MTME-302C	Seminar	0	0	4	100	-	100	2
Total		8	0	16	250	250	500	16
Total Contact Hours/Week =16								

SEMESTER 4

Subject Code	Subject Name	Load Hours/Week			Assessment Criteria			Credits
		L	T	P	Int	Ext	Total	
MTME-401C	Thesis Work	0	0	28	Satisfactory/ Unsatisfactory			14
Total Contact Hours/Week =28								

Total credits for the Programme: 70

Tutorial work for solution of numerical/problems on software or otherwise may be incorporated in ongoing theory classes as per requirement of the subject.

**List of Electives subjects for M. Tech Mechanical Engineering
(Common list for Elective I, II, III)
(Batch 2022 and 2022 onwards)**

S.No.	Subject Code	Subject Name
1.	MTME-501C	Automation and Robotics
2.	MTME-502C	Advance Material Characterization Technique
3.	MTME-503C	Rapid Prototyping
4.	MTME-504C	Advance Casting Processes
5.	MTME-505C	Maintenance & Reliability Engineering
6.	MTME-506C	Product Design and Development
7.	MTME-507C	Supply Chain Management
8.	MTME-508C	Advance Metal Cutting
9.	MTME-509C	Advance Welding Technology
10.	MTME-510C	Engineering Design Optimization
11.	MTME-511C	Mechatronics
12.	MTME-512C	Finite Element Analysis
13.	MTME-513C	Tribology
14.	MTME-514C	Dynamics of Rotating Machines
15.	MTME-515C	Experimental Stress Analysis
16.	MTME-516C	Sustainable Design and Manufacturing
17.	MTME-517C	Vibration and Noise Control
18.	MTME-518C	Instrumentation and Control Engineering
19.	MTME-519C	Advance Internal combustion Engine
20.	MTME-520C	Design of Steam Turbines
21.	MTME-521C	Convective Heat Transfer
22.	MTME-522C	Combustion Engineering
23.	MTME-523C	Conductive & Radiative Heat Transfer
24.	MTME-524C	Solar Energy Utilization
25.	MTME-525C	Design of HVAC systems
26.	MTME-526C	Design and Optimization of Thermal Systems
27.	MTME-527C	Computational Fluid Dynamics

- Electives I, Electives II and Electives III may be chosen from above list of elective subjects for this M.Tech Programme.