

GURU NANAK DEV ENGINEERING COLLEGE, LUDHIANA
(An Autonomous College u/s 2 (f) and 12 (B) of UGC Act 1956)
DEPARTMENT OF MECHANICAL ENGINEERING

No. ME/ 36/8416

Dated: 10/03/2021

MINUTES OF MEETING

A meeting of Board of Studies (Mechanical Engineering) in Offline cum Online mode was held on 05.02.2021(Friday) at 11.00 am in Committee room of the institute.
Following are the agenda Points:-

1. Discussion and approval of revised study scheme for 6th to 8th Semester of B. Tech. (Mechanical Engineering) of 2018 admission batch onwards.
2. Discussion and approval of detailed contents of the courses of 6th Semester B. Tech. (Mechanical Engineering) for 2018 admission batch onwards.
3. Discussion and approval of proposed detailed contents of the courses of 7th and 8th Semester B. Tech. (Mechanical Engineering) for 2018 admission batch onwards.
4. Any other issue with the permission of the Chairman BOS.

Following members of the BOS and Department BOS Team members were present and actively participated:-

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|-----------------------------|-------------------------------------------------------------|
| 1. Dr. Paramjit Singh Bilga | Chairman |
| 2. Dr. H. S. Shan | Member (Online) |
| 3. Dr. Inderdeep Singh | Member (Online) |
| 4. Dr. Harmeet Singh | Member |
| 5. Dr. Jatinder Kapoor | Member |
| 6. Dr. Subash Chander | Member (Online) |
| 7. Er. Sukhdev Singh | Member (Online) |
| 8. Er. Raminderpal Singh | Member |
| 9. Dr. Harwinder Singh | Member |
| 10. Er. Deepinder Singh | Member |
| 11. Dr. Narwant Singh | Member [Dean Academics Nominee] |
| 12. Er. Chander Bhatia | Member (Student, M. Tech 2 nd Year) |
| 13. Abdul Manan | Member (Student, B.Tech. 4 th Year) (Online) |
| 14. Abhinav Verma | Member (Student , B. Tech. , 3 rd Year) (Online) |
| 15. Er. Gurmeet Kaur | Department BOS Team member |
| 16. Er. Manmohan Singh | Department BOS Team member |
| 17. Er. Rupinder Singh | Department BOS Team member |

Following members of the BOS couldn't attend the meeting:-

- | | |
|--------------------------------------|---------------------------------------|
| 1. Davinder Singh Bhogal | Member |
| 2. Dr. S.P. Singh | Member |
| 3. TPO/Nominee | Member |
| 4. Controller of Examination/Nominee | Member |
| 5. Jaskaran Singh | Member (Student 2 nd Year) |

The following decisions were taken unanimously based upon the discussions and suggestions of various members of BOS:-

- 1) Revised study scheme for 6th to 8th Semester of B.Tech. (Mechanical Engineering) of 2018 admission batch onwards has been approved by members of BOS by incorporating the following suggestions:
 - i. Type of Industry for Industrial Training (TR-104) shall be only SME/LE.
 - ii. Type of Institution for Institutional Training (TR-104) shall be only IITs /NITs/R&D Labs.
 - iii. Student can be allowed to undergo Industrial Training (TR-104) abroad also provided Industry/Institution will be of equivalent nature to those mentioned here.
 - iv. Credits for Industrial Training (TR-104) shall be kept 14 in order to have total credits of that particular semester equal for all the three Choices i.e. Choice I/II/III.

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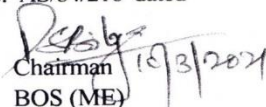
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- 2) The detailed contents of the courses of 6th Semester B. Tech. (Mechanical Engineering) for 2018 admission batch onwards has been approved by members of BOS by incorporating the following suggestions in the proposed contents of aforesaid courses:
 - i. Include reference books for all the courses at par with previous semester course syllabi.
 - ii. In the department elective course of Mechatronics (PEME-209) the title for Chapter No. 6 shall be changed to Design for Mechatronics System.
 - iii. The title of the course Tool Design (PEME-204) shall be changed to Tool & Cutter Design (PEME-204) and keep the code same. In Chapter No. 2, change the contents to 'Design aspects' in place of 'Dimensions' of HSS Tools. In Chapter No. 3 omit principal types of Drill and replace it with types of drills.
- 3) Proposed detailed contents of the courses of 7th and 8th Semester B. Tech. (Mechanical Engineering) for 2018 admission batch onwards has been discussed briefly by members of BOS and the following suggestions has been made and it is decided to go in detail in the next meeting of BOS :
 - i. In the Course of Design for X merge Chapter No. 2 and Chapter No. 3 as both the chapters portray 'design for Manufacturing', so rename it as 'Integrating DFM with CAM' .In Chapter No. 2 omit the topic of 'Design for Environment' and make it as a separate chapter. Omit the topic of cost estimation in foresaid chapters. Adjust numbers of contact hours accordingly. Omit the Chapter entitled Selection of Materials. Include the case studies on 'Design for manufacturing (machine parts), Design for assembly (automobile industry), Design for manufacturing and assembly, Design for Environment' in Chapter No. 6 Case Studies.
 - ii. The course Modern Casting Processes (PEME-309) needs to be designed again.
- 4) Under agenda point 4 i.e any other issue with the permission of the Chairman BOS, the contents of course Advanced IC Engines (MME-201) of M. Tech. (Mechanical Engineering) 2019 Batch onwards has been allowed to be discussed for approval. It has been decided that in the course of Advanced IC Engines omit the topic of Introduction in Chapter No. 1 and include topic on Modeling of Combustion instead of stages of combustion.

Note: The amendments in the proposed study scheme of B. Tech (Mechanical Engineering) 2018 admission batch onwards has been incorporated as per the direction of Dean Academic vide notice no. AS/84/216 dated 24.02.2021.


Chairman
BOS (ME)

Encl.:

1. Approved study scheme for 6th to 8th Semester of B. Tech. (Mechanical Engineering) of 2018 admission batch onwards
2. Approved Detailed contents of the courses of 6th Semester B. Tech. (Mechanical Engineering) for 2018 admission batch onwards.
3. Approved contents of course Advanced IC Engines (MME-201) of M. Tech. (Mechanical Engineering) 2019 Batch onwards