

**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/ 36/4833

Dated: 4-11-19

**MINUTES OF MEETING**

A meeting of internal members of Board of Studies (Mechanical Engineering) was held on 24.10.2019 (Thursday) at 11.00 am in the Committee Room of the Institute.

Following were the agenda Points:-

1. Discussion and approval of detailed contents of the courses of 1st semester M.Tech. (Mechanical Engineering) of 2019 admission batch onwards.
2. Any other issue with the permission of the Chairman BOS.

Following members of the BOS and special invitee were present and actively participated:-

- |                              |                                |
|------------------------------|--------------------------------|
| 1. Dr. Paramjit Singh Bilga  | Chairman                       |
| 2. Dr. Harwinder Singh       | Member                         |
| 3. Dr. Harmeet Singh         | Member                         |
| 4. Dr. Jatinder Kapoor       | Member                         |
| 5. Dr. Narwant Singh         | Member [Dean academic nominee] |
| 6. Er. Gagandeep Singh Sodhi | Member [Dean (T&P)]            |
| 7. Er. Davinder Singh Bhogal | Special Invitee (GNDEC)        |
| 8. Er. Gurmeet Kaur          | Special Invitee (GNDEC)        |
| 9. Dr. Chatwant Singh        | Special Invitee (GNDEC)        |

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

- |                         |                         |
|-------------------------|-------------------------|
| 1. Er. Deepinder Singh  | Member                  |
| 2. Er. Ardamanbir Singh | Special Invitee (GNDEC) |
| 3. Er. Pushpinder Singh | Special Invitee (GNDEC) |
| 4. COE/ Nominee         |                         |

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

- 1) The detailed contents of courses of 1<sup>st</sup> semester M.Tech. (Mechanical Engineering) 2019 admission batch onwards has been approved by internal members of BOS by incorporating the following suggestions in the proposed contents of aforesaid courses:
  - a) In all the Syllabi of M. Tech. (Mechanical Engineering) Batch 2019 onwards there shall maximum of five reference books with authors (at least 2-3 Foreign/Indian authors) from the same field/subject area and renowned/reputed publications.
  - b) Number of chapters in each course shall be maximum six.
  - c) Course Outcomes of Finite Element Analysis shall be reformulated.
  - d) Pre-requisites for course of Finite Element Analysis shall be engineering mathematics and physics/mechanics.
  - e) Number of teaching hours in course of finite element analysis shall be 36.

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- f) Detailed contents of finite element analysis related to 3d trusses, beams and frames and dynamic problems shall be omitted.
- g) Omit contents of, Single phase, multi-phase systems and Statical thermodynamics and change course outcomes accordingly.
- h) Reformulate the Course Outcomes for Decision Making Methods according to High Order Thinking Skills.
- 2) The comments of the external members of BOS shall be taken through E-mail before finalizing the detailed contents of courses of 1<sup>st</sup> semester of M.Tech. (Mechanical Engg.) 2019 admission batch onwards.
- 3) Under agenda Point No. 2 i.e. any other issue with the permission of the Chairman BOS, following supplementary agenda points were discussed and unanimous decisions were made:
- a) Corrections in the study scheme of M.Tech. (Mechanical Engineering) 2019 admission batch onwards.
- i. Subject Codes for M.Tech. (Mechanical Engg.) 2019 admission batch onwards has been changed as per the guidelines provided by office of Dean Academics (GNDEC, Ldh.) vide notice number M.Tech/01/3496 and M.Tech/01/3528 dated 16/07/2019 and 17/07/2019 respectively.
- ii. The external evaluation marks for Audit Courses of M.Tech. (Mechanical Engg.) 2019 admission batch onwards has been omitted and there are no credits for this course, only satisfactory/unsatisfactory has to be awarded.
- b) Corrections in the study scheme of B.Tech. (Mechanical Engineering) 2018 admission batch onwards.
- i. Nomenclature for Industrial Training of B.Tech. (Mechanical Engg.) 2018 admission batch onwards has been modified to Training-I in 3<sup>rd</sup> semester.
- ii. Correction in Subject course outcome number 6 of Strength of Materials (PCME-102).
- iii. Abbreviated forms for nomenclature of subjects and respective practicals are changed to their full form as follows:

**Previous Abbreviation Form**

- Engg. Materials and Metallurgy
- Strength of Materials Lab
- Engineering Materials and Metallurgy Lab
- Manufacturing Processes Lab
- Theory of Machines Lab
- Applied Thermodynamics Lab
- Fluid Mechanics & Machinery Lab
- Modern Manufacturing Process Lab
- Industrial Automation and Robotics Lab
- Mechanical Measurement and Control Lab
- Heat Transfer Lab
- Mechanical Vibrations Lab
- Refrigeration and Air Conditioning Lab

**Previous Subject Code**

- LPCME-102
- BSC-202

**Corrected to Full Form**

Engineering Materials and Metallurgy  
Strength of Materials Laboratory  
Engineering Materials and Metallurgy Laboratory  
Manufacturing Processes Laboratory  
Theory of Machines Laboratory  
Applied Thermodynamics Laboratory  
Fluid Mechanics & Machinery Laboratory  
Modern Manufacturing Process Laboratory  
Industrial Automation and Robotics Laboratory  
Mechanical Measurement and Control Laboratory  
Heat Transfer Laboratory  
Mechanical Vibrations Laboratory  
Refrigeration and Air Conditioning Laboratory

**Corrected to New Subject Code**

LPCME-103  
BSME-101

  
01/04/2019


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Other Correction:-

Semester of Strength of Materials, Manufacturing Processes and Machine Drawing and Computer Aided Design is changed from 4<sup>th</sup> to 3<sup>rd</sup>.

  
Chairman 01/11/19  
BOS (ME)

Encl.:

1. Modified Study Scheme of M. Tech. (Mechanical Engineering) 2019 admission batch onwards
2. Modified Study Scheme of B.Tech. (Mechanical Engg.) 2018 admission batch onwards
3. Detailed Contents of 1<sup>st</sup> semester M. Tech. (Mechanical Engineering) 2019 admission batch onwards
4. Modified Course Outcome detail of Strength of Materials (PCME-102).