

# Chandigarh Engineering College – CGC, Landran, Mohali

*An Autonomous Institution, NAAC Accredited, NBA Accredited,  
Affiliated to I.K. Gujral Punjab Technical University, Kapurthala*

## Department of Mechanical Engineering

### Minutes of the Board of Studies (BoS) Meeting

#### 1. MEETING DETAILS

- Date: 20.05.2025
- Time: 10:00 AM onward
- Venue: Seminar Hall, Block 2
- Mode: Physical
- BoS Meeting No.: 1<sup>st</sup>

#### 2. ATTENDANCE

##### Chairperson:

- Dr. Rachin Goyal, Professor & Head

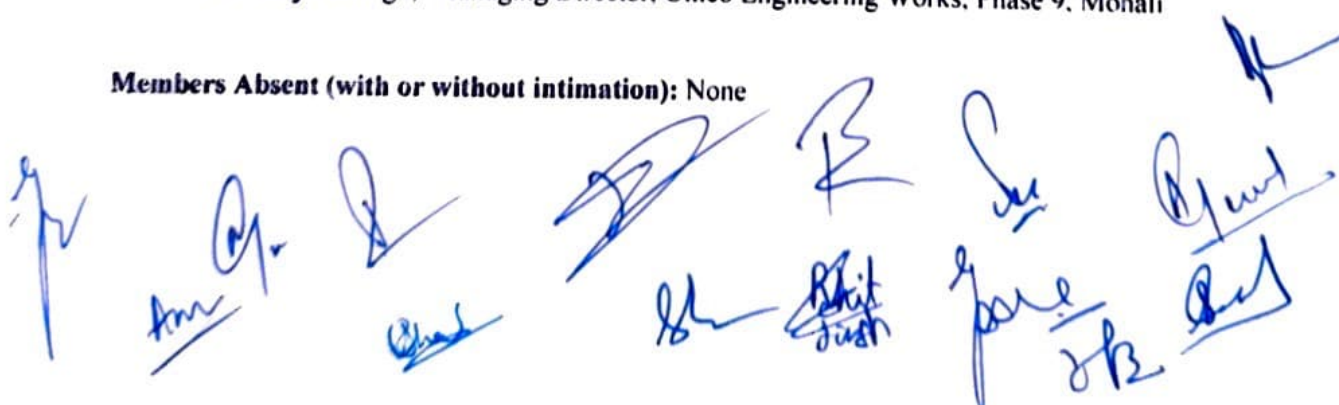
##### Internal Members:

1. Dr. Sanjeev Sharma, Professor
2. Dr. Sachin Mohal, Associate Professor
3. Dr. Saurabh Chaitanya, Associate Professor
4. Mr. Gurkirat Singh, Assistant Professor
5. Mr. Ravinder Singh, Assistant Professor
6. Ms. Aishna Mahajan, Assistant Professor
7. Mr. Aneesh Goyal, Assistant Professor
8. Rohit Singh, Student (Roll No. 2237664), Batch 2022-26

##### External Members:

1. Dr. D R Prajapati, Professor, Department of Mechanical Engineering, PEC (Deemed to be University), Chandigarh
2. Dr. Sarbjit Singh, Professor, Department of Mechanical Engineering, PEC (Deemed to be University), Chandigarh
3. Dr. Neelkanth Grover, Professor, Mechanical Engineering Department, IKGPTU, Kapurthala
4. Mr. Pritam Prakash, Director, P2P Analysis & Solutions, Zirakpur.
5. Mr. Baljeet Singh, Managing Director, Unico Engineering Works, Phase 9, Mohali

Members Absent (with or without intimation): None

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### 3. AGENDA ITEMS

#### Item No. 1: Welcome Address by the Chairperson, BoS

The Chairperson, Dr. Rachin Goyal, welcomed all members of the Board of Studies, setting a collaborative tone for the meeting. The address highlighted the importance of innovation, academic excellence, and aligning the curriculum with industry needs. The Chairperson encouraged active participation and expressed confidence in the board's ability to drive impactful academic initiatives.

#### Item No. 2: Introduction of BoS Members

The Chairperson introduced all internal and external members, ensuring everyone was acknowledged and fostering a sense of collaboration.

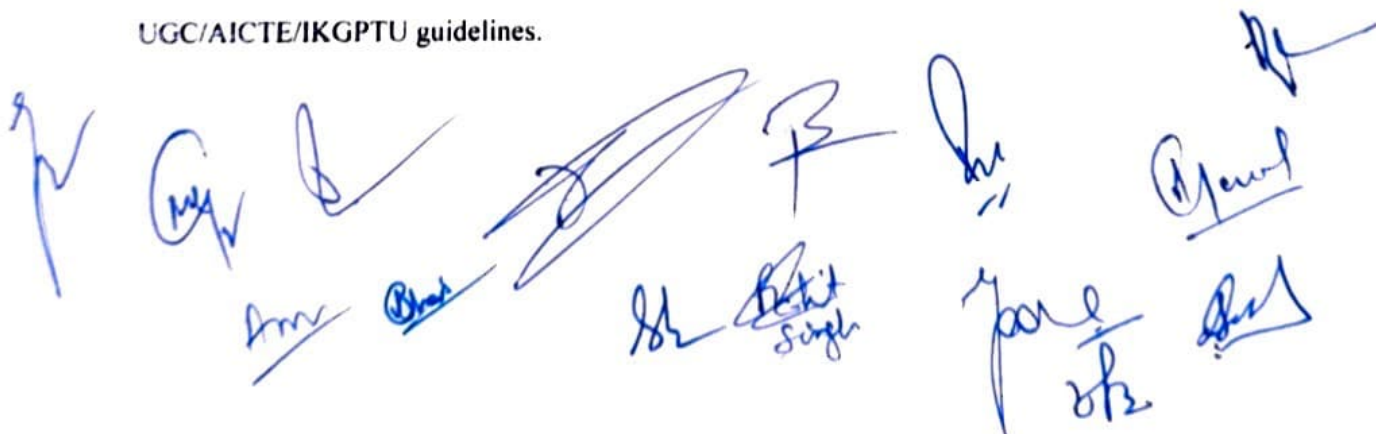
#### Item No. 3: Brief Overview of Autonomy Status

The Chairperson provided an overview of the institution's autonomous status, noting that CEC-CGO Landran, Mohali has been granted autonomy for 10 years starting from the academic year 2025-26, vide UGC letter number F.2-10/2023 (AC-Policy) dated 02-01-2025 and endorsed by IKGPTU vide letter no. IKGPTU/REG/NF/CD/57, dated 05/03/2025. This status allows the institution to design and implement its curriculum to meet global and industry standards.

#### Item No. 4.1: Consideration and Approval of Study Scheme, Course Codes, and Syllabus of B. Tech. and M.Tech. Programs.

The board discussed the study scheme, course codes, and syllabus for the following courses for the academic year 2025-26:

- B. Tech. (First and Second Semester):
  - Engineering Graphics & Design (for Mechanical Engineering), Course Code: 25C1MEU-111
  - Engineering Graphics & Design (for Circuit Branches), Course Code: 25C1MEU-112
  - Elements of Mechanical Engineering, Course Code: 25C1MEU-101
  - Workshop/Manufacturing Practices, Course Code: 25C1MEU-113
- Bridge Course for Engineering Drawing, Course Code: 25C1MEU-B3
- M. Tech. (First and Second Semester): Course codes as presented, with the syllabus adopted from IKGPTU without any changes.
- The board also acknowledged that the total credits of the B. Tech. program will be as per the UGC/AICTE/IKGPTU guidelines.





### **Recommendations and Suggestions:**

- Dr. D R Prajapati (PEC Chandigarh) commended the integration of CAD tools in Engineering Graphics & Design (25C1MEU-111 and 25C1MEU-112) as this equips students with skills critical for engineering design roles, particularly in creating 2D and 3D drawings.
- Dr. Sarbjit Singh (PEC Chandigarh) praised the introduction of Elements of Mechanical Engineering (25C1MEU-101) as a foundational course, stating that topics like kinematics, dynamics, and fluid mechanics provide a strong base for advanced mechanical engineering studies. He further suggested adding the topics, "Introduction to Strain Energy, Energy of dilation and distortion in Chapter-I of Elements of Mechanical Engineering (25C1MEU-101).
- Dr. Neelkanth Grover noted that the Bridge Course for Engineering Drawing (25C1MEU-B3) supports students with limited prior exposure to technical drawing.
- The M. Tech. course codes were approved, and the adoption of the IKGPTU syllabus without changes was deemed appropriate to maintain consistency with the affiliating university's standards.

After the incorporation of suggestions/recommendations of the board, it was Resolved that the course codes and names as presented (25C1MEU-111, 25C1MEU-112, 25C1MEU-101, 25C1MEU-113, 25C1MEU-B3) for B. Tech. and the course codes for M. Tech. programs as presented are approved for the academic year 2025-26.

Resolved to approve the study scheme and syllabus for the listed B. Tech. and Bridge Course, and to adopt the IKGPTU syllabus for M. Tech. programs without changes.

### **Item No. 4.2: Continuation of IKGPTU Study Scheme for Existing Courses**

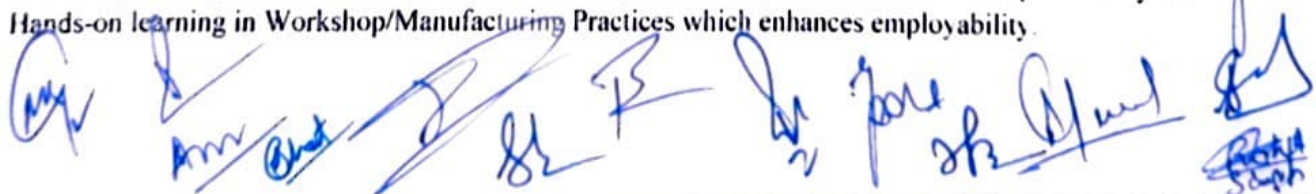
Resolved to continue the IKGPTU study scheme for the 2022, 2023, and 2024 batches to ensure academic continuity.

### **Item No. 5: Discussion on Course Outcomes (COs)**

Resolved to approve the Course Outcomes for all listed B. Tech. courses, Bridge Course for Engineering Drawing, and M. Tech. program were reviewed and unanimously approved. The board appreciated the alignment of COs with industry-relevant skills, such as CAD proficiency and practical manufacturing capabilities.

### **Item No. 6: Incorporation of Stakeholder Feedback**

- Mr. Pritam Prakash (Industry Representative) highlighted the relevance of CAD tools in Engineering Graphics & Design (25C1MEU-111 and 25C1MEU-112), particularly for developing designing capabilities among students and making them industry-ready.
- Mr. Baljeet Singh and Rohit Singh appreciated the practical emphasis across courses, particularly the Hands-on learning in Workshop/Manufacturing Practices which enhances employability.



#### Item No. 7: Discussion/Suggestions on Textbooks and Reference Books

Dr. Neelkanth Grover suggested that the book titled 'A Course in Workshop Technology' by B. S. Raghuwanshi should be added to the course Workshop/ Manufacturing Practices Lab (25C1MEU-113) as a suggested reference book.

Resolved to implement the recommended textbooks and reference books for the aforementioned courses, ensuring alignment with the updated syllabus, for the 2025-26 academic year.

#### Item No. 8: Any Other Point with the Permission of the Chair

Miscellaneous discussions included strategies for enhancing practical training and industrial collaboration. The board suggested exploring partnerships with local industries for internships and workshops. No additional agenda items were raised.

#### 4. VOTE OF THANKS

The BoS Chairperson, delivered a vote of thanks, expressing gratitude to all members for their valuable contributions, insightful discussions, and commitment to academic excellence.

#### 5. SIGNATURES

  
**Dr. Rachin Goyal** (Chairperson BoS)  
Professor & Head-ME,  
CEC-CGC Landran

  
**Dr. Sanjeet Sharma** (BoS Member)  
Professor-ME,  
CEC-CGC Landran

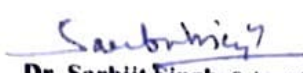
  
**Mr. Ravinder Singh** (BoS Member)  
Assistant Professor-ME,  
CEC-CGC Landran

  
**Dr. R. R. Prajapati** (Subject Expert)  
Professor-ME,  
PEC (Deemed to be University), Chandigarh

  
**Mr. Pritam Prakash** (Industry Representative)  
Director,  
P2P Analysis & Solutions, Zirakpur

  
**Dr. Saurabh Chaitanya** (BoS Member)  
Associate Professor-ME,  
CEC-CGC Landran

  
**Ms. Aishna Mahajan** (BoS Member)  
Assistant Professor-ME,  
CEC-CGC Landran


  
**Dr. Sarbjit Singh** (Subject Expert)  
Professor-ME,  
PEC (Deemed to be University), Chandigarh

  
**Mr. Baljeet Singh** (Alumni Member)  
Managing Director,  
Unico Engineering Works, Phase 9, Mohali

  
**Dr. Sachin Mohal** (BoS Convener)  
Associate Professor-ME,  
CEC-CGC Landran

  
**Mr. Gurkirat Singh** (BoS Member)  
Assistant Professor-ME,  
CEC-CGC Landran

  
**Mr. Anand Goyal** (BoS Member)  
Assistant Professor-ME,  
CEC-CGC Landran

  
**Dr. Neelkanth Grover** (IKGPTU Alumnus)  
Professor-ME,  
IKGPTU, Karnahthala

  
**Rohit Singh** (Student)  
Batch 2022-26,  
Roll No. 2217661 CEC-CGC Landran