



# बिरला प्रौद्योगिकी संस्थान BIRLA INSTITUTE OF TECHNOLOGY

(वि० अंगु० आ० अधिनियम १९६६ की धारा ३ के तहत मान्यता प्राप्त विश्वविद्यालय | A Deemed to be University u/s 3 of UGC Act, 1956)

मेसरा, राँची- ८३५२१५ (भारत) | MESRA, RANCHI - 835 215 (INDIA)

## Minutes of the Meeting

Departmental Academic Committee, Production & Industrial Engineering, BIT, Mesra

A Departmental Academic Committee Meeting was held on 17/07/2024 at 10.00 AM to discuss the following agenda:

**Agenda 1:** Introduction of NEW COURSE STRUCTURE & SYLLABUS for B. TECH in PRODUCTION AND INDUSTRIAL ENGINEERING (Based on NEP-2020, CBCS & OBE Model) - *Effective from Academic Session 2024-25. APPROVED*

**Agenda 2:** Revision of PROGRAM CORE, PROGRAM ELECTIVE COURSES and introduction of VOCATIONAL COURSES in NEW COURSE STRUCTURE & SYLLABUS for B. TECH in PRODUCTION AND INDUSTRIAL ENGINEERING - *Effective from Academic Session 2024-25. APPROVED*

Revision of PROGRAM CORE, PROGRAM ELECTIVE COURSES:

20. PE24102 Workshop Practice
21. PE24201 Introduction to Materials Engineering
22. PE24202 Materials Engineering Lab
23. ME24205 Strength of Materials
24. ME24207 Kinematics and Dynamics of Machines
25. PE24207 Metrology & Measurement
26. PE24206 Foundry, Forming, and Welding Lab
27. PE24208 Metrology and Measurement Lab
28. PE24215 Quantitative Techniques for Data Analysis
29. PE24305 Statistical Quality Control
30. PE24304 Machine Drawing and CAD Lab
31. PE24333 Supply Chain Management
32. PE24332 Work System Design Lab
33. ME24317 Finite Element Methods
34. ME24323 Mechatronics
35. PE24402 Manufacturing Automation Lab
36. PE24335 Surface Engineering and Laser Additive Manufacturing
37. PE24339 Tooling for Manufacturing
38. PE24341 Manufacturing Science

Introduction of VOCATIONAL COURSES:

5. PE24190 Welding Technology
6. ME24104 Working with AutoCAD
7. PE24290 CNC Machining
8. ME24208 Installation, Testing and Maintenance of Solar Appliances

**Agenda 3:** Revision of DEPARTMENT VISION and MISSION statements to emphasize innovation and entrepreneurship as suggested by the NBA expert committee during their 2023 visit. **APPROVED**



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## Members of Departmental Academic Committee

Dr. Joyjeet Ghose, HOD & Chairman

Dr. Sanjay Kumar Jha, Member

Dr. R. K. Singh, Member

Dr. L.M Pattanaik, Member

Dr. Bappa Acherjee, Member

Dr. Somak Datta, Member

Dr. Binay Kumar, Member

Dr. A. K. Singh, Member

Dr. G Sarkhel, Member (Allied Dept)

Dr. Dipti Mishra, Member (Allied Dept)

Dr. Vinay Sharma, Invited Member