Department of Design and Manufacturing Engineering (DME)

The mission of DME is to provide students with specialized knowledge in the fields of Design and Manufacturing by imparting high-quality education for successful careers in industrial and academic roles.

The Department of Design and Manufacturing Engineering (DME) is one of the key teaching & research department of the SMME. It offers specialization in Manufacturing Engineering, Design Engineering, and Industrial Engineering and Management. The department has acquired high-end laboratories that provide equipment for research and teaching purposes.

ACADEMIC Programs

- MS Design and Manufacturing Engineering (DME)
- P.hD. Design and Manufacturing Engineering (DME)

PROGRAM BRIEF

DME gives you skills in designing, planning & optimizing production and manufacturing processes. It also enhances the understanding of designing parts, components, or products for ease of manufacturing to make a better product at a lower cost. Design and manufacturing engineers integrate new concepts and prototypes and devise methods/systems to develop desirable products for a globally competitive marketplace.

Key Research Areas

- Additive Manufacturing
- Sustainable Manufacturing
- Smart Manufacturing / IoT
- Composite Materials / Friction
- Industry 4.0
- Engineering Management
- Product Life Cycle / Supply Chain Mgt.
- Artificial Neural Networks

WHY CHOOSE US?

NUST's DME program offers up-to-date courses and excellent lab facilities for hands-on experience in smart manufacturing, 3D/Additive manufacturing, 3D microscopy, quality/reliability management, and CAD/CAM.

Statistics

- 350+ faculty publications
- Funded projects over PKR 6 Million
- Industrial oriented funded projects over PKR 100 Million

INDUSTRIAL MANAGEMENT

Smart Manufacturing

PG Admissions
Fall 2023
Starts in April 2023

https://nust.edu.pk/admissions/masters/dates-to-remember/