



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.

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.

ACADEMIC Programs

- MS Design and Manufacturing Engineering (DME)
- P.h.D. Design and Manufacturing Engineering (DME)



INDUSTRIAL MANAGEMENT



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



PG Admissions
Fall 2023
Starts in
April 2023



Smart Manufacturing



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

Our Alumni Network



St Mary's
University
London



FACULTY



Dr. Shahid Ikramullah Butt (PE.)

Professor & HoD
MS: MSU, USA
PhD in Mechanical, Manufacturing Engineering (Digital Manufacturing), Beijing Institute of Technology, Beijing, China.



Dr. Syed Husain Imran (PE.)

Professor
Chartered Engineer Engineering Council, U.K.
MIMechE-UK, MPEC, MIEP.
PhD: University of Manchester, UK.
Postdoc: UNSW, Australia

Dr. Riaz Ahmad

Professor (shared)
Ph.D. in Aeronautical Manufacturing (Product Lifecycle Management), Beijing University Aeronautics and Astronautics (BUAA), China



Dr. Riaz Ahmed Mufti

Professor (shared)
PhD in Mechanical Engineering (Automotive Engine), University of Leeds, Leeds. West Yorkshire, United Kingdom.a



Dr. Najam ul Qadir

Asst. Professor
Ph.D. in Mechanical Engineering (Adsorbent Development for Solar-Powered Adsorption Chillers), King Fahd University of Petroleum and Minerals, Dhahran, Saudi Arabia

Dr. Muhammad Usman Bhutta

Asst. Professor (shared)
Ph.D. in Mechanical Engineering (Surface Coating and Tribology), University College London, University of London, London. UK.



Dr. M. Salman Khan

Asst. Professor
Ph.D. in Mechanical Engineering (Damage Mechanics of Composite Honeycomb Core Structures), Universiti Teknologi Malaysia (UTM), Johor Bahru, Malaysia



Dr. Shamraiz Ahmed
Asst. Professor



Dr. Mushtaq Khan (PE.)
Professor

(On Leave)



Dr. M. Rizwan ul Haq

Asst. Professor
Ph.D. in Mechanical Engineering (High-Speed 3D Additive Manufacturing), National Taiwan University of Science and Technology (NTUST), Taiwan