



The
University
Of
Sheffield.

Department
Of
Mechanical
Engineering.

MSc Mechanical Engineering and Industrial Management



Our MSc in Mechanical Engineering and Industrial Management aims to create engineering professionals with strong technical and leadership skills and is intended for engineering students interested in pursuing a management career within industry.

The course combines advanced mechanical engineering subjects with management modules specially designed for engineers. The engineering topics covered include structural dynamics, experimental stress analysis and fluid mechanics, alongside which you'll learn essential management techniques in areas such as marketing, business planning and entrepreneurship.

As part of the course you'll undertake an individual research project that brings together both technical and management

issues, giving you the opportunity to apply business skills to an engineering context. You'll also take part in a group project to design and market a commercially viable solution for a real customer, such as developing assistive aids for people with disabilities.





Example Project

Yuyang Lin – Enhancing Terminally Ill People's Quality of Life

"The design problem my project addresses originated from the Wellbeing Service Department of St. Luke's Hospice in Sheffield.

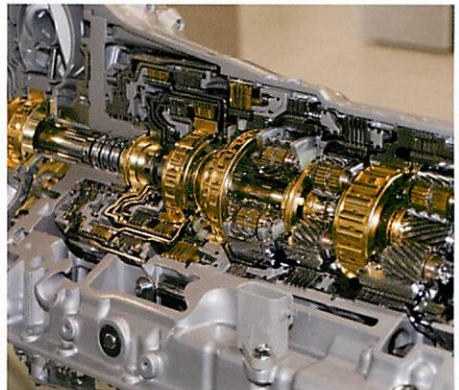
A common problem raised by members of staff is the difficulty of giving an effective back massage to someone in a wheelchair, who has to lean forward onto pillows supported by a common table. It is bad for the therapist's back and patients are limited with how their position can be altered for maximum comfort.

The aim of my project is to design a comfortable, easy to operate and user-friendly product that enables staff to perform high quality back and neck massages on wheelchair users.

This project gives me the chance to explore the whole product design process, from conception to marketing. The main challenge is to connect and communicate with potential users of the new product and to make sure their needs are understood."

Typical Modules:

- Computational Fluid Dynamics
- Reciprocating Engines
- Experimental Stress Analysis
- Fundamental Biomechanics
- Organic Knowledge Management
- Marketing Management
- Technology Strategy and Business Planning
- Innovation Management



How to Apply

For more information on entry requirements and how to apply please visit our website: www.sheffield.ac.uk/mecheng/prospectivemsc

For further advice and guidance on applying please email the postgraduate admissions department: me-pgadmit@sheffield.ac.uk