

Graduate Profile: Mechanical Engineering

Vision

Our graduates are envisioned to emerge as leaders in mechanical engineering, equipped with the knowledge and skills to address the needs of society, drive technological advancement, and contribute to sustainable development.

Mission

- *To impart high quality education to the students to build their capacity and enhancing their skills to make them globally competitive mechanical engineers.*
- *To inculcate the feeling of oneness and service to humanity, in the minds of students to serve society better.*
- *To provide the facilities and environment conducive to high quality education to get diverse careers as well as research in the field of Mechanical Engineering.*
- *To provide the students with an academic environment of excellence, leadership, ethical guidelines, and lifelong learning needed for a long productive career.*

The degree program has been designed to provide undergraduates with a broad engineering education through a set of core modules that provides an outstanding foundation in mathematics, sciences, and computing; and a set of integrated modules that provides a broad base in engineering sciences, engineering design, and laboratory and project work in the chosen field; industrial training to provide an exposure to professional practice; and a set of complementary non-technical subjects. On completion of the degree program, an engineering graduate will have the following thirteen attributes applicable to mechanical engineering field of specialization

Engineering Knowledge, Problem Analysis, Development of solutions, Investigation, Use of modern tools, Role of Engineering in society, Sustainable Development, Ethics, Team work, Communication, Project Management, Life-long learning, Contribution to community

Programme Educational Objectives

- a) Ability to apply the engineering principles to analyses and develop solutions to complex engineering problems,*
- b) Engage in the activities of professional bodies; uphold professionalism, ethics and standard of mechanical engineering profession,*
- c) Possess effective communication, managerial, teamwork and leadership skills to handle complex engineering activities with the engineering community and society at large, and*
- d) Engage in independent life-long learning to maintain and extend professional competence.*

1.1 Programme Structure

