



Koneru Lakshmaiah Education Foundation

(Category -1, Deemed to be University estd. u/s. 3 of the UGC Act, 1956)

Accredited by NAAC as A++ Approved by AICTE ISO 21001:2018 Certified

Campus: Green Fields, Vaddeswaram - 522 302, Guntur District, Andhra Pradesh, INDIA.

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Department of Mechanical Engineering

M.Tech – Machine Design


Program Educational Objectives

1. To mould the students to become effective global science students in the competitive environment of modern society.
2. To provide students with strong foundation in contemporary practices of Science, different functional areas and scientific environment.
3. To emphasize on application oriented learning.
4. To develop communication, analytical, decision-making, motivational, leadership, problem solving and human relations skills of the students.
5. To inculcate professional and ethical attitude in students.
6. To pursue lifelong learning as a means of enhancing knowledge and skills necessary to contribute to the betterment of profession

Program Outcome's

1. Advanced knowledge of a broad range of modeling methodologies, and underlying principles of mechanics, commonly used in the development and analysis of mechanical machines and systems.
2. Knowledge of fundamental design issues relevant to machine or mechanical component, and an understanding of how to formulate and analyse design solutions in various engineering contexts.

3. Working knowledge of a range of modern mathematical methods and tools used in the development and analysis of machines and mechanical systems.
4. In-depth knowledge of one or more of the following (depending of selection of option modules and project area): specific engineering systems, design methods, modeling techniques, mathematical and/or numerical techniques.
5. Knowledge of basic research and development principles and practices relevant to mainstream engineering industry.
6. Knowledge of key professional, safety and ethical issues arising in modern engineering industry.
7. Knowledge of time-management and work planning issues related to the organization, implementation and successful completion, including reporting, of an individual, Masters level, engineering based project.


Head of the Department
Dr. T. VIJAYA KUMAR
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