



KAKATIYA INSTITUTE OF TECHNOLOGY & SCIENCE

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काकतीय प्रौद्योगिकी एवं विज्ञान संस्थान, वरंगल - ५०६०१५, तेलंगाना, भारत

కాకతీయ సాంకేతిక విజ్ఞాన శాస్త్ర విద్యాలయం, వరంగల్ - ५०६ ०१५ తెలంగాణ, భారతదేశము

(An Autonomous Institute under Kakatiya University, Warangal)

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DEPARTMENT OF MECHANICAL ENGINEERING

UN - 17 SUSTAINABLE DEVELOPMENT GOALS

7 AFFORDABLE AND CLEAN ENERGY



SDG-7 Affordable and Clean Energy: Engineers promote energy efficiency, developing renewable energy systems, and designing sustainable thermal and mechanical solutions that reduce energy consumption, costs, and environmental impact.

8 DECENT WORK AND ECONOMIC GROWTH



SDG-8 Decent Work and Economic Growth: Engineers create job opportunities by developing innovative products, manufacturing processes, and technologies. They also focus on improving working conditions and economic systems in industries worldwide.

9 INDUSTRY, INNOVATION AND INFRASTRUCTURE



SDG-9 Industry, Innovation, and Infrastructure: Engineers design and build resilient infrastructure, promote sustainable industrial practices, and foster innovation in key sectors like transportation, energy, and manufacturing.

12 RESPONSIBLE CONSUMPTION AND PRODUCTION



SDG-12 Responsible Consumption and Production: Engineers apply engineering principles to design systems and processes that ensure responsible consumption of resources, sustainable production practices, waste minimization, and environmental protection.

The Mechanical Engineering Department is committed to empower mechanical engineers with the knowledge and skills to design sustainable solutions, adopt green manufacturing processes, and create energy-efficient systems which balance industrial advancement with environmental responsibility and societal needs.