About Mechanical Engineering Department

Mechanical Engineering activities at vimal jyothi Engineering college in the year 2004. It is the broadest engineering discipline encompassing a wide variety of engineering fields and many specialties. The Department offers students the opportunity to pursue an exceptional, high quality education. The Department is one of the largest in terms of faculty, students, & activities and continues to lead and expand its activities in various directions. The faculty members are drawn from the industry and academicians to enhance the delivery of academic programmes. Our faculty members strive to provide outstanding teaching, cutting-edge research, effective mentoring of students, active improvement of curricular programs and effective leadership in professional societies. The academic activities are supported by seven well equipped laboratories/research centres. Experimental and computational facilities are being continuously upgraded. The major research efforts are in Robotics, CFD, renewable energy and heat shielding materials for space applications.

Vision of Department

To become a center for excellence in Mechanical Engineering producing innovative and creative mechanical engineers to meet the global challenges by imparting quality education.

Mission of Department

To provide state-of-the-art infrastructure to the students towards enhancing quality education in Mechanical Engineering.

To educate students to build leadership quality, Entrepreneurships, Professional and Ethical responsibilities for the benefits of the society.

To create opportunities for the students in acquiring career oriented jobs in the field of Mechanical Engineering

One Day Workshop on

ADVANCED METAL JOINING PROCESSES

22 July, 2016

COORDINATORS

Prof. Appu Kurian
Prof. Jerin Cyriac

DEPARTMENT OF MECHANICAL ENGINEERING
VIMAL JYOTHI ENGINEERING COLLEGE
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OBJECTIVE

Welding is a fabrication process to make high strength joint between two or more parts by heating to their melting temperature, with or without the application of pressure and with or without the use of filler metal. There are several different ways to weld, some involve amazing machinery and revolutionary technology, including electron beams, lasers, ultrasonic and friction stirs. Nearly everything we use in our daily life is welded or made by equipment that is welded. Welders help build metal products from coffeepots to skyscrapers. They help build space vehicles and millions of other products ranging from oil drilling rigs to automobiles. In construction, welders are virtually rebuilding the world, extending subways, building bridges, and helping to improve the environment by building pollution control devices. The use of welding is practically unlimited. There is no lack of variety of the type of work that is done.

The main aim of this workshop is to enrich faculty members and students with the basic theories and applications of welding, new types of metal joining processes and to update their knowledge with emerging area in metal joining. This course is designed in such a way that , in addition to the fundamental topics, advance topics have been included along with the current research scenario.

RESOURCE PERSONS

1. **Dr. Joby Joseph**

   Department of Mechanical Engineering

   MA College of Engineering

   Kothamangalam

2. **Dr. P.M Ajith**

   Department of Mechanical Engineering

   Rajiv Gandhi Institute of Technology

   Kottayam