

## THE COLLEGE

**Vimal Jyothi Engineering College**, Chemperi, Kerala is a private self-financing engineering college coming under the Catholic Management with minority status, established in the year 2002 in the state of Kerala. It is ISO 9001:2008 certified and is affiliated to the APJ Abdul Kalam Technological University. The college was established along the hill valley of Malabar and is currently one of the largest self-financing engineering colleges in Kerala. The laboratories, workshops and library of the college are well equipped with modern facilities suitable for learning and research.

## MECHANICAL ENGG. DEPARTMENT

The Department of Mechanical Engineering is started functioning since 2004. It offers B.Tech. Mechanical Engineering and M.Tech. in Thermal Engineering in a thriving and dynamic academic environment. The department is rich in experienced and highly qualified faculties. The department also has excellent laboratories and latest computational software facilities. Industry interaction has been increased with formation of Entrepreneurship Development Club. A Robotic research centre for the research in robotics Technology was inaugurated in 2010 and the department organizes several workshops and FDPs in the field of latest trends and technology.

## FACILITIES

In addition to the conventional laboratories, there are specialized laboratories in CNC, 3D Printing, CAD/CAM and Rapid Prototyping.



## MAILING ADDRESS

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# Ten Days Training Workshop / Internship On Programming & Operations of 3-Axis CNC VMC & CNC LATHE



**Date: 04-06-2018 to 14-06-2018**

Organised by

**DEPARTMENT  
OF  
MECHANICAL ENGINEERING**

**VIMAL JYOTHI ENGINEERING COLLEGE**

*JYOTHI NAGAR, CHEMPERI (PO),  
KANNUR - 670 632, KERALA*

## OBJECTIVES

- To train the participants in the basics of CNC programming.
- To demonstrate the working and material removal process in CNC machining center.

## COURSE CONTENTS

### CNC Programming:

- Introduction to CNC machines and machining parameters
- Axis nomenclature for milling machines
- G-Codes and M-Codes
- Co-ordinate systems
- Fanuc Programming Structure
- Basic Programming
- Absolute method and Incremental method
- Creation of Sub Program
- Fanuc Programming Cycles - Drilling & Tapping
- Concept of Cutter Radius Compensation
- Hands on Practical Training on production



## HANDS - ON TRAINING

- Machine specification and different parts of CNC VMC
- Machine control panel options FANUC oi-Mate MD
- Operating modes in CNC - Jog, MDI, Auto etc.
- Work and Tool set up in CNC VMC
- Tool offset parameter setting
- Wear offset register
- Programming incorporating cutter radius compensation
- Canned cycles programming

## REGISTRATION

Filled up registration form is to be submitted along with the DD for registration fee drawn in favour of “**VIMAL JYOTHI ENGINEERING COLLEGE**” payable at **KANNUR**.

Students of Engineering Colleges\*: Rs.3000/-

Registration fee includes Course Material, Tea and Working Lunch.

**\*Students have to produce a bona fide certificate. Accommodation will be provided on specific request.**

**\*Limited Seats (30 students) only; this programme is only for engineering college students (B.Tech. Mechanical Engineering)**

Last date of receipt of Registration Form: 28.05.18

**Intimation of selection by e-mail: 31.05.18**

## Ten Days Training Workshop On Programming & Operations of 3-Axis

### CNC VMC & CNC LATHE

Date: 04-06-2018 to 14-06-2018

#### Registration Form

Name (s) : \_\_\_\_\_

Department : \_\_\_\_\_

Institution : \_\_\_\_\_

Address : \_\_\_\_\_

Phone : \_\_\_\_\_

(with code) \_\_\_\_\_

Fax : \_\_\_\_\_

E - Mail : \_\_\_\_\_

A Demand Draft\* is enclosed for Rs. \_\_\_\_\_

DD No. \_\_\_\_\_ Dated \_\_\_\_\_

(\* Drawn in favour of “**VIMAL JYOTHI ENGINEERING COLLEGE**” payable at **KANNUR**)

Date:

Signature