



DOEACC CENTRE CALICUT
COURSE PROSPECTUS

Name of the Group : CAD/CAM
Name of the Course : MasterCAM
Course Code : MT600
Starting Dates : 02/08//2010 and 22/11/2010
Duration : 3 Weeks

Preamble:

The introduction of computers and digital electronics in the manufacturing industry has revolutionised in automation. With the advances in digital electronics and computer technology, adopting integrated Computer Aided Design and Manufacturing (CAD/CAM) has become relevant in medium scale industries. To start (implementation or study) CAD/CAM one must have basic understanding and knowledge of Computers and Electronics, various CAD/CAM tools and CNC Machines.

Objective of the Course:

The course is aimed at giving exposure to and enhancing the knowledge and skills of engineers involved in the operation use of CNC machines, CAD/CAM packages and for those who want to provide training to others in this area. It gives exposure and on hand experience in the field of CAD/CAM and CNC machines

Outcome of the Course:

The participants will be able to:

- Design and drafting 2D and 3D models,
- Design and machine using CAD/CAM packages like MasterCAM
- Toolpaths Creations
- Toolpath Verifications
- NC partprogram generation
- Surface Design and machining using MasterCAM
- Advaced Surface generation and Machining using MasterCAM
- Understand advanced features of CAD/CAM

Course Structure:

<i>Code</i>	<i>Module</i>	<i>Duration</i>	<i>Starting Date</i>	<i>Fee</i>
MT600	MasterCAM	3 Weeks	02/08/2010 and 22/11/2010	13,000

Other Contents

- a. Course Fees : Mentioned in the above table
- b. Eligibility: B.E, B.Tech., Diploma in Mechanical, production Tool & Die, Automobile and Industrial engineering
- c. **Number of Seats : 12**

How to Apply :

Students are advised to apply in the prescribed Application Form available with the course brochure/course prospectus or downloaded from our website. Filled in application forms along with a Demand Draft towards advance fee of Rs.1000/- drawn in favour of Director, DOEACC Centre, Calicut, Payable at State Bank of India, CREC Branch, Chathamangalam should be sent to the **Training Officer, DOEACC Centre Calicut, P. B. No. 5, NIT Campus Post, CALICUT – 673 601, Kerala. The Name of the Course Applied for should be super scribed on the top of the cover in which the application form is forwarded.** Hostel accommodation (if required) can be reserved on payment of Rs.500/- along with the advance fee.

Mode of Paymeny:

1	Demand Draft to be drawn in favor of Director, DOEACC Center Calicut, Payable at State Bank of India, Calicut NIT Branch(2207). The DD should reach here before the last date to apply.
2	Through any branch of SBI (where this format is accepted) using the pay in slip available in our web site. The original counterfoil should reach here before the last date to apply.
3	<p>The fees can be paid directly into our account from any bank where core banking facility is available. The details required for direct payment are as given below.</p> <ul style="list-style-type: none"> • Current Account No: 10401158037 • Bank Name: SBI, NIT Chathamangalam • Bank Code: 2207 • IFSC No: SBIN0002207 <p>The depositor should obtain the UTR Number/Journal No from the branch while depositing cash directly into our account. Depositor should also obtain the counterfoil duly filled up and signed by the staff with seal of the bank through which the amount was deposited. The following details should reach here before the last date to apply. Name of the Depositor</p> <ol style="list-style-type: none"> 1. Name of the Student 2. Date of Payment 3. Amount Deposited 4. Name of Bank/branch through which amount deposited 5. Purpose – Course ID – Advance Fee/Hostel Rent/Installment Fee etc. 6. Proof of Deposit (counterfoil/acknowledgement in original) 7. UTR Number

The Centre will not be responsible for any mistakes done by either the bank concerned or by the depositor while remitting the amount into our account.

- d. Selection of candidates: The candidates passed in the qualifying examination will be based on their marks obtained, subject to eligibility and availability of seats.
- e. Test/Interview (if applicable) : *Not Applicable*

f. **Counseling/Admission : 02//08/2010 and 22/11/2010**

g. **Admission Procedure :**

Students who have been selected for test/interview/counseling/admission are required to report to the Centre on the prescribed day by 9:30 hrs along with the following

1. Attested Copies of Proof of Age, Qualifications, etc
2. Original Certificate of the above
3. Two copies of photograph and one stamp size photograph for identity card.
4. SC/ST Certificate (if applicable)
5. Income Certificate (if applicable)

The students on reaching the Centre are required to meet the Front Office Councilor (FOC). The FOC then directs the student to the Course Coordinator. The student gets the enrollment form verified by the Course Coordinator and then meets the FOC who shall direct the student to the Accounts for payment of fees. A student is thus admitted.

- h. Discontinuing the course: No fees under any circumstances shall be refunded in the event of a student discontinuing the course. A student can however, be eligible for module certificates (applicable only for courses which provide for modular admission) which he has successfully completed provided he has paid the entire course fees.
- i. Course Timings : 9:30 to 17:00 PM

j. **Location and How to reach :**

DOEACC CENTRE Calicut is located very near to NIT (REC) campus and is about 22Kms from the Calicut (Kozhikode) city. A number of buses [Buses to NIT via Kunnamangalam] are available from "Palayam Bus Stand or KSRTC Bus Stand". Our stop is called "Panthrand" & is one stop before NIT. The bus fare is Rs.11/- from Calicut City to DOEACC Centre and is on the right side.

The Calicut (Kozhikode) is well connected by Rail, Road and Air from different parts of the country. The climatic conditions in Calicut are perhaps one of the best in India throughout the year. The maximum and minimum temperatures range between 35 and 20°s. The cool breeze further adds the comfort.

k. **Course enquiries :**

Students can enquire about the various courses either on telephone or by personal contact between office hours .

- l. **Important Dates:** Starting date: 14th September 2009 (dates are given in the above table for independent modules)

Last date to submit application form:	29/07/2010 and 18/11/2010
Selection intimation in website:	30/07/2010 and 19/11/2010
Counseling/Admission:	02/08/2010 and 22/11/2010
Commencement of classwork:	02/08/2010 and 22/11/2010
Payment of Fee:	02/08/2010 and 22/11/2010

m. **Placement** : Support shall be provided

n. **Hostel facilities** :

Hostel accommodation is available for boys and girls on daily or monthly chargeable basis. The hostel fee varies from 450/- to 900/- per month depending on the location of accommodation. However, students are required to pay the hostel fees for the duration of the course for which they are seeking admission at the time of joining the course.

o. **Canteen facilities** :

The Centre has a canteen functioning at the main campus and food at reasonable rates is available for breakfast, lunch, and dinner

p. **Lab Facilities**:

Fully Air-conditioned lab consists of CNC Machines Tools (Lathe and Milling), latest versions of Mastercam, AutoCAD 2010, PCs with higher RAM and Graphics cards.

q. **Faculty**

The centre has a team of enthusiastic and competent engineers with postgraduate qualifications who have undergone specialized training in various International Universities and Industries.

Course Contents :

This course is scheduled for 3 weeks duration and the Course Structure is given below:

1st Week

Lathe:

2D Geometric Modeling, File conversions (Data conversions), tool paths for Turning, Facing, Groove cutting, drilling, tapping and toolpaths verification and CNC Part Program generation.

2nd Week

Mill:

2D and 3D Geometric Modeling, Toolpaths for 2D machining like counterboring, pocketing, Island pocketing, Drilling, Plan milling,

3rd week

Surface Modeling, 3D surfaces (Coons, Ruled, Revolved, Tabulated etc), Toolpaths for 3D machining, Surface machining, Verification and CNC part program generation.

This approval is valid for uploading on Centre's website

The following texts do not form part of the prospectus:

Signature of the Course Coordinator:

Signature of Training Officer:

Approved/Not Approved
Director

Guidelines:

1. All Text in Italics are to entered by the course coordinator
2. The Course Prospectus to be put to Director for approval through Training Officer before issue.