

# **CETPA**

*Because Knowledge Matters*

ISO 9001: 2000 Certified



# **CETPA INFOTECH PVT. LTD.**

ISO 9001 : 2000 Certified

(A Software & Embedded Development Company)

PRESENTS

***6 Months Training with Placement***

in

## **SOFTWARE DEVELOPMENT, ELECTRONIC PRODUCT DEVELOPMENT & ADVANCE CAD DESIGN**

(With Major Projects to show as Final Year Projects in all Technologies)

at

**Discount  
up to  
200%**

**GERMANY (SCHWERIN), UKRAINE (KYIV),  
INDIA (ROORKEE, GREATER NOIDA & LUCKNOW)**

### **Special Features**

1. **Top 10 Participants will be Placed in CETPA Infotech Pvt. Ltd.**
2. **Opportunity to participate in campus placement of top companies.**
3. **Attractive Discounts in Fee, depending upon Test Performance.**
4. **Guest Lectures by Experts from other Industries and Reputed Institutes like IIT's**
5. **10 MB Web Space and Software for Uploading the Website would be provided free of cost to each participant.**
6. **Learning kit containing books and CDs would be provided free of cost to the students of all the programs.**
7. **CETPA student Membership of \$14 free of cost.**
8. **Certificate of Honor to top participant from each course.**
9. **Batch Dates once selected may be changed prior to 7 days of starting of the batch.**
10. **After completion of training Live Projects would be provided to interested candidates.**
11. **For all branches in India, 10% seats are reserved for NRI's & Foreign Candidates.**

### **Training Schedule:**

New Batches will be started from 10<sup>th</sup> Dec. 2009, 8<sup>th</sup> Jan., 15<sup>th</sup> Jan., 29<sup>th</sup> Jan., 10<sup>th</sup> Feb. & 2<sup>nd</sup> Mar. 2010.

### **Training Fee in India:**

Training Fee in any field: Rs. 15,000/- without appearing in test\* (Including Registration Fee)

Registration Fee: Rs. 2,000/- ;

Food & Lodging Fee: Rs. 5,000/- Per Month

### **Training Fee Abroad:**

Training Fee for all technologies: Rs. 2,00,000/- (Including Registration Fee)

Registration Fee: Rs. 20,000/- ;

Food & Lodging Fee: Rs. 80,000/- Per Month

\***Test Details:** CETPA conducts a written cum interview based test for participants to undergo 6 Months Training at our India Branches. The test may be conducted at the college campus or at any of CETPA Branches. To organize the test at the college campus, you can call at 09212468020, or can email us at [vikaskalra@cetpainfotech.com](mailto:vikaskalra@cetpainfotech.com), [kalra\\_goc@yahoo.co.in](mailto:kalra_goc@yahoo.co.in) Written Test will carry objective type technical as well as aptitude based questions, while Interview will be Technical as well as HR Based. Depending upon the marks in the test, the candidates are offered discounts in the training. This discount may reach be up to 100% or more. As CETPA Infotech is a development company, hence we require always quality candidates for our development cell, regarding the same, CETPA also offers stipend based training for the extra ordinary performance of the candidates.

**Registration:** Registration Fee = Rs. 2,000/-. The Registration fee may be paid either by cash at any our campus, or by D.D. through online registration. . For online registration, firstly a D.D. for the registration fee has to be made in favor of CETPA payable at Roorkee. Then the participant should log on to our website <http://www.cetpainfotech.com>, and fill the online registration form for six months training. After filling up of this form, the candidate will get a registration slip. The candidate should take a printout of this registration slip, and send it along with the D.D. at our head office. After the registration details will be received by CETPA, the company will send a confirmation slip by email on the candidate's email ID.

**Reporting:** Reporting for a particular batch will be a day before the starting of the training program, with following details:

1. Balance Payment
2. Five Passport Size Photographs
3. Xerox Copy of College I-Card
4. Confirmation Slip

### ELECTRONIC PRODUCT DEVELOPMENT

#### **Module 1: VHDL**

- \*Different Styles of Modeling & Processing Styles
- \*Control Statements
- \*Loops & Subprograms
- \*Connectivity with Different Components
- \*Simulation of Different Circuits
- \*FPGA, ASICS & Synthesis
- \*Inheritance & Other Terms
- \*Mini Projects like Traffic Light Controller
- \*State Machines & Test Bench

**Project:** 32 Bit Microprocessor with selected instructions using VHDL.

#### **Module 2: Embedded System**

- \*Introduction to Embedded System.
- \*Micro controller 8051 Architecture and Pin Description.
- \*Bus Architecture Interrupts and Timers.
- \*Instruction Set.
- \*Micro controller 8051 Assembly Language.
- \*Assemblers & Simulator.
- \*I/O Devices: LED Displays, Intelligent LCD Display, DIP Switch, Matrix Keyboard, Interfacing of Stepper Motors
- \*Practices of Serial Programmer.

**Project:** Car Assembling Unit, and other projects

#### **Module 3: Advance Embedded System**

- \*PIC Microcontrollers
- \*PIC Architecture and Assembly Language Programming
- \*Branch, Call, and Time Delay Loop
- \* PIC I/O Port Programming
- \*Arithmetic, Logic Instructions and Programs
- \* Addressing Modes
- \*Timer & Counter Programming
- \* Serial Port Programming
- \*Interrupt Programming
- \* LCD, Key Board Interfacing and Stepper Motor

**Project:** Washing Machine Prototype

#### **Module 4:**

**Working on Live Project in Embedded System**

### SOFTWARE DEVELOPMENT

#### **Module 1: .NET**

- \* Introduction to Software Development
- \*Software Development Life Cycle
- \*Overview of Microsoft .NET Platform
- \*Development Environment Features.
- \*Object Oriented Programming in C# .NET
- \*Using Windows Forms.
- \*Developing Components in C# .NET
- \*Deploying Applications
- \*Upgrading to C# .NET
- \*Creating a Microsoft ASP.NET Web Form.
- \*Adding Code to Microsoft ASP.NET Web Form.
- \*Creating User Control.
- \*Accessing Relational Data Using Microsoft Visual Studio.NET.
- \*Accessing Data with Microsoft ADO.NET.
- \*Working on MS-SQL Server as a Back-End

**Project:** Online Shopping Cart

#### **Module 2: J2EE**

- \*Introduction and Overview of J2EE
- \*Introduction and features of Eclipse, a Development Environment of Java
- \*Classes and objects
- \*Inheritance and polymorphism
- \*Static, Final, This Keyword
- \*Exception Handling
- \*Input/ Output Streams
- \*Multithreading
- \*Socket Programming
- \* Applets
- \* JDBC (Java Database Connectivity)
- \*Servlets
- \*Java Server Pages (JSP)
- \*Enterprise Java Beans (EJB)
- \*Struts
- \*Weblogic Server

**Project Work:** Online Shopping Cart

#### **Module 3:**

**Working on Live Project**

### ADVANCE CAD DESIGN

#### **Module 1: AutoCAD**

- \*Introduction to Computer Aided Designs
- \*Introduction to AUTOCAD Interface
- \*Control the Drawing Views
- \*Create and Modify Objects.
- \*2-D Commands.
- \*Practice on 2-D Drawings.
- \*Introduction to Hatches,
- \*Texts & Dimensions.
- \*Introduction to Surfaces.
- \*Practice on Surfaces.
- \*Create Engines Domes etc.
- \*Introduction to 3-D Commands.
- \*Create Images
- \*Create Graphic objects.
- \*Exporting and importing objects in AutoCAD.
- \*Printing & Layout

**Project:** Layout Assembly of Plant Design

#### **Module 2: CATIA**

- \* Sketcher
- \* Operation feature
- \* Part Modeling
- \* Tress up feature
- \* Transformation feature
- \* Integrated Drawing
- \* Wire Frame
- \* Surfacing
- \* Drafting & Drawing
- \* Assembling
- \* All Commands
- \* Lab. Work
- \* Introduction to other latest tools
- \* Comparison with other tools

**Project:** Casing of HVAC Assembly

#### **Module 3:**

**\*Working on other Related**

**Tools.**

#### **Module 4:**

**Working on Live Project**

## Short Term Winter/Summer/College Campus Training Programs

CETPA conducts 2 Weeks, 4 Weeks & 6 Weeks Summer, Winter and Regular training programs in .NET, J2EE, C & C++, PHP, VHDL, Verilog HDL, Embedded System, Advance Embedded System, AutoCAD, CATIA and other latest technologies at CETPA Campus or at the college campus. Regarding the same, we can deliver a free of cost technical seminar at your college Campus. Once the seminar has been conducted and at least 25 students are interested to join the training, then same program can be conducted at your college campus, depending upon the students' choice.

### Placement & CETPA Profile:

Some reputed companies visit CETPA campus or our collaborative college campuses for placement. In few companies only CETPA Certified Students can participate whereas few placement drives are open for all candidates. For getting updated information about these drives, please keep in touch with our website <http://www.cetpainfotech.com>. In the year 2008, Seventeen Companies have visited CETPA, out of which the biggest recruiter was a Bangalore Based Company **Best of Breed Software Solutions (I) P. Ltd. (Global Partner to Infosys and India Partner to HP and Wipro)** has visited CETPA, Greater Noida and has selected **76 candidates**.

CETPA has established itself as a pioneer Engineers Training Institution with more than 30,000 satisfied students from all over India. Details of our Ex-Students are available on our website. CETPA also deals in e-Magazines, Student and Professional Membership, R&D, Tech-Fests and many other technical activities. CETPA has already conducted On Campus Training Programs at more than 100 Engineering Colleges, the most notable among these are Sri Balaji College Jaipur, Ajmer Institute Ajmer, Geetanjali Institute Udaipur, Birla Institute Bhimtal, MIT Muzaffarpur, KNIT Sultanpur, Madan Mohan Malviya College Gorakhpur, Ideal College Ghaziabad, IIMT Meerut, RBMI Bareilly, MIT Moradabad, Babu Banarsi Das College Lucknow, IFTM Moradabad, G. B. Pant Engineering College Pauri Garhwal, Kumanyun Engineering College Dwarahat Almora, Shri Sant Gadge Baba College Bhusawal, Jind Institute Jind, Lovely Professional University Jalandhar etc. CETPA group includes CETPA Education, CETPA Consultancy and CETPA Infotech Pvt. Ltd. (CIPL). These training programs have been started to fulfill the requirements of various CETPA collaborative companies. CETPA education is responsible for imparting training in above mentioned technologies, CIPL is responsible for providing live projects and CETPA Consultancy is responsible for placement of CETPA Certified students/professionals. All Engineering students and professionals who want to make their career in above mentioned technologies are welcome to join these programs.

**Live Projects:** The participants who are interested to work on live projects can work on the specialized live projects. These live projects will be offered by CETPA Infotech Pvt. Ltd. and participants will have to complete these projects in given time frame. This time frame lands up from a minimum of 6 months to maximum one year. If candidates complete these projects within this time frame, then they will be awarded by CETPA and will be given experience letter for 6 months or one year depending on the time frame. Incentives may also be given to the candidates, depending upon their performance while handling the live projects. The groups for working on live projects will be decided by students themselves.

<http://www.cetpainfotech.com>

For queries email us at [query@cetpainfotech.com](mailto:query@cetpainfotech.com), [cetpainfotech@gmail.com](mailto:cetpainfotech@gmail.com)

or SMS "CETPA" @ 09219602769, 09212172602, 09258017974

or Call at any of our contact number

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