

## Computer Network- CCNA certification

### Target skill upgradation

- ✓ Understanding of basic computer networks
- ✓ Understanding and implementation of switch/ router /hub
- ✓ CCNA Certification

### Syllabus

- ✓ Introduction to Computer Networking in LANs and WANs
- ✓ Layered Communication Models: OSI and TCP-IP Models
- ✓ Ethernet Fundamentals
- ✓ LAN Cabling Fundamentals
- ✓ Wide Area Networking (WAN) Fundamentals
- ✓ Internet working
- ✓ Routers Basics and Fundamentals
- ✓ Why CISCO Routers
- ✓ Routing, Switching and Troubleshooting of CISCO Routers
- ✓ Hands-on training on syllabus

**Training Duration: 72 hrs [ 12 days]**

**Training Fees: Rs. 6000 /student**

**Applicable Industry:** IT/Software /Networking / Telecommunications/Defence/Research

**Criteria for all Courses : Any TE/BE Electronics, E&TC, Computer/IT/MCA Student**

### Salient Features of GIT :

- ✓ Spread over an area of 65 acres, GIT is located in lush green Sahyadri range of Konkan, on Mumbai – Goa highway

- ✓ State of Art Infrastructure
- ✓ Well Equipped Computer labs
- ✓ Wi-Fi Campus with 80 MBPS internet
- ✓ Hostel Facility for Boys and Girls
- ✓ GIT-Scholarship for meritorious students
- ✓ Highly qualified and experienced staff
- ✓ Very Good Placements
- ✓ Active Incubation and Entrepreneurship cell

### Other Facilities

Transport	Medical/Hospital Facility
Well Equipped Gym	In-door & Outdoor sports facilities
Canteen	Consumer co-op Store
Cafeteria	Cultural Clubs

### HOW TO REACH GIT CAMPUS

#### Nearest Airport

Mumbai: 250 km ,  
Kolhapur: 200 km,

#### Nearest Railway Station

Khed: 15 kms,  
Chiplun: 20 kms.

#### Nearest S.T. Stands:

Lavel (Dabhil Naka) : 1.5 kms, Khed: 15 kms,  
Chiplun:25 kms.

### Course Coordinators :

#### 1. Dr. P.K.Roy – HOD Computer Dept.

Contact : 9764800676

Email: [pkroy@git-india.edu.in](mailto:pkroy@git-india.edu.in)

#### 2. Prof. Sachin Khedekar – HOD E&Tc Dept.

Contact : 9403573999

Email: [srkhedekar@git-india.edu.in](mailto:srkhedekar@git-india.edu.in)

## **“Pravinya”**

### Short Term Skill Development Course at GIT

### Gharda Foundations Gharda Institute of Technology



(Approved by AICTE, New Delhi, DTE Maharashtra and Affiliated to Mumbai University )

### About Gharda Institute of Technology (GIT)

To offer quality education at an affordable cost , Padmashri , Dr. K.H.Gharda , a successful businessman, internationally acclaimed scientist , visionary and a great lover of books & education, conceived an ambitious project of Gharda Institute of Technology under the banner of Gharda Foundations at scenic location of Lavel in Ratnagiri district of Maharashtra for the benefit of ambitious and intelligent students of rural region, aspiring to become engineers. His only goal is

**“Knowledge converted through products to wealth for the good of society”**

GIT has provided good infrastructure, modern equipment, advanced labs , library, experienced and dedicated teachers, modified syllabus to suit changing environment and hands on workshops by collaborating with foreign universities.

### Contact Details:

**Dr. Pramod S Joshi , Principal**

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**[principal@git-india.edu.in](mailto:principal@git-india.edu.in)**

**Website : [www.git-india.edu.in](http://www.git-india.edu.in)**

**Facebook : GIT India**

### **Training Program: PCB Designing**

#### **Target skill upgradation**

- ✓ Circuit layout Designing through software
- ✓ Standard and short procedure for PCB designing

#### **Syllabus**

- ✓ Circuit assembling on Bread board.
- ✓ PCB layout designing on DIPTRACE software
- ✓ Printing layout on Film.
- ✓ Various methods of PCB Designing
- ✓ PCB Testing

**Training Duration: 18 hrs [ 3 days ]**

**Training Fees: Rs. 500 /student**

### **Training Program: Basics of Matlab**

#### **Target skill upgradation**

- ✓ MATLAB Programming
- ✓ Use Toolbox for different project
- ✓ Implementation of MATLAB in Different technologies
- ✓ Project Result analysis

#### **Syllabus**

- ✓ Matlab Basic Window
- ✓ Looping and other programming
- ✓ Use of Toolbox

**Applicable Industry:** Electronics/Electrical Product Design and Development

**Training Duration: 24 hrs [ 4 days]**

**Training Fees: Rs. 500 /student**

**Criteria for all Courses : Any SE/TE Electronics, E&TC, Electrical Student**

### **Embedded System Design using Arduino**

#### **Target skill upgradation**

- ✓ Automation of small electronic system.
- ✓ Embedded system Design
- ✓ Arduino Platform
- ✓ Embedded C Programming

#### **Syllabus**

- ✓ Introduction to Arduino Development board
- ✓ Introduction Sensors and interfacing
- ✓ Interfacing LED Buzzer, Motor control using Arduino.
- ✓ Smart Application using Arduino

**Training Duration: 24 hrs [4 days]**

**Training Fees: Rs. 1000 /student**

### **Basic and Advanced C Programming**

#### **Target skill upgradation**

- ✓ Understanding of basic concept “C” Building logic in programming
- ✓ Develop very good programming skills

#### **Syllabus**

- ✓ Introduction to Computer, Algorithm and Flowchart
- ✓ Fundamentals of C-Programming
- ✓ Advanced C programming
- ✓ Control Structures
- ✓ Functions and Parameter
- ✓ Arrays, String , Structure and Union
- ✓ Pointer , Files and Graphics

**Training Duration: 24 hrs [4 days]**

**Training Fees: Rs. 1000 /student**

**Criteria for all Courses: Any SE/TE student from any branch**

### **Soft / Communication Skill Development**

#### **Target skill upgradation**

- ✓ Soft Skills , Communication Skills
- ✓ Organizational behaviour
- ✓ Manners and Ethics
- ✓ Presentation Skills

#### **Syllabus**

- ✓ Verbal / Non-verbal Communication, Narration, Conversations
- ✓ English Writing – Grammar,
- ✓ Morphology
- ✓ Listening, Reading & Group Discussion,
- ✓ Presentation – 6 hours

**Applicable Industry :** IT/Software

Industries/Sales & Marketing Industries / KPO/BPO sectors / Business Development

**Training Duration: 24 hrs [ 4 days ]**

**Training Fees: Rs. 1000 /student**

### **Computer Simulation Skill Development**

#### **Target skill upgradation**

- ✓ Computer Simulation Skill
- ✓ Understanding and implementation of FDS simulator
- ✓ Case Study

#### **Syllabus**

- ✓ Basic Concepts on Fire Dynamics Simulator (FDS)
- ✓ Hands-on Experience on FDS
- ✓ Case Studies & Safety Analysis using FDS Simulator

**Training Duration: 24 hrs [ 4 days]**

**Training Fees: Rs. 1000 /student**

**Criteria for all Courses : Any Engineering Students from any academic year**