NetTech India
Get Certified

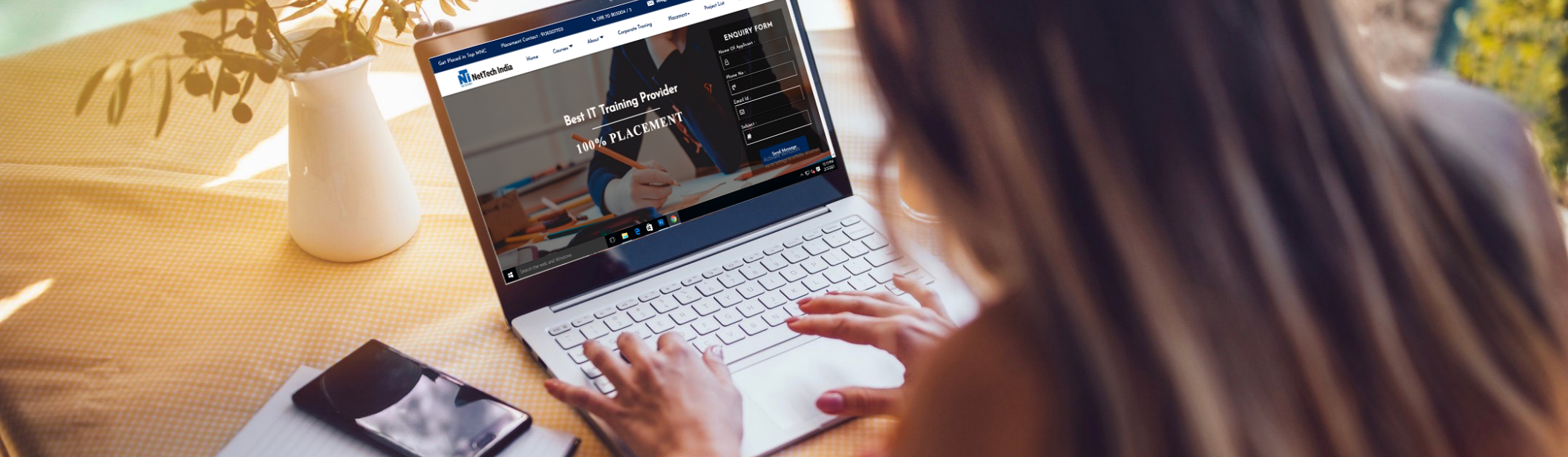# IOT CERTIFICATION

🌐 https://nettechindia.com/

✉ info@nettechindia.com

📞 9870803004/5

ABOUT US

NetTech India Training Institute offers a high-quality learning experience in the field of IT training to train students on brand new technologies and train them to deliver the desired results with commercially relevant and re-organized technical skills.

The probability of achieving your dream job will keep on increasing day by day once you complete a course in NetTech India. We also focus on improving soft skills in terms of communication, leadership, teamwork, external appearance, and attitude which helps everyone to be professional in all the aspects of their career.

25% Theory

75% Practicals

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ABOUT
IOT CERTIFICATION

The Internet of Things has entered into the minutest part of our lives, thanks to the emerging technologies. Starting from the manufacturing to IT industry to logistics to other corporate offices, IOT has been embraced well by each and every industry. What makes this technology unique is its real time tracking system. Job opportunities in IOT technology is continuously increasing and some companies are also providing Iot training to their employees to get work done rapidly.

BENEFITS OF
IOT CERTIFICATION

→ Career Growth - Higher Pay & Position

→ Encourages professional development

→ Enriches self-image and reputation

→ Enhances professional credibility.

→ Abundant Job Opportunities

→ Used In Many Industries

→ Global Recognition

→ Secure and Flexible

→ 50+ Case Studies

→ 10+ Projects

TABLE OF CONTENTS

1 Introduction to IOT:
- What is IOT ?
- Importance of IOT

2 Understand the basics of the Linux OS used on the Pi
- Login and browsing file system
- Running basic Linux command and getting help about commands
- Documentation and manual pages
- File editing using cat, vi, gedit etc
- Linux File System
- User management
- Process management
- Package Management
- Software installation by aptitude
- Linux Networking

3   Raspberry Pi

- Setup and operate the Raspberry Pi
- Types of Raspberry Pi
- Raspberry PI models comparison
- Understand what is BCM and BOARD
- Raspberry Pi Overview and GPIO Programming Using Python
- Using Raspberry pi ON, OFF led light
- Building smart Led using.
- Raspberry Pi 3 as UDP and TCP Server
- MySQL, Database installation and configuration
- Shell Scripting, C language, and Python Programming examples.
- Program the Pi to get the temperature from a sensor connected to the GPIO pins
- Program the Pi to detect room light from a photocell sensor connected to the GPIO pins
- Program the Pi to detect water using a moisture sensor connected to the GPIO pins

4 Arduino Board

- Setup and operate Arduino Board
- Deep dive on Arduino Board
- Learning Arduino Programming
- Writing program and deploying in Arduino Board
- Building smart Led using Arduino board
- Using various sensors with Arduino board
- Arduino Board temperature from a sensor
- Arduino Board detect room light

5 Live Projects

- Server-client project using sensor
- Collect data from sensor and store in CSV file and perfume visualization process.(using python or R)

And Many More...

WHO CAN LEARN ?

- Anyone who wants to build a career as a Data Scientist.

- Anyone who wish to gain knowledge about Programming

- Students who are currently in college or university

CAREER OPPORTUNITIES

- IoT Developer

- IoT Architect

- IoT Embedded Sytems Design

- IoT Solutions Engineer

- Data Scientist

- Product Manager
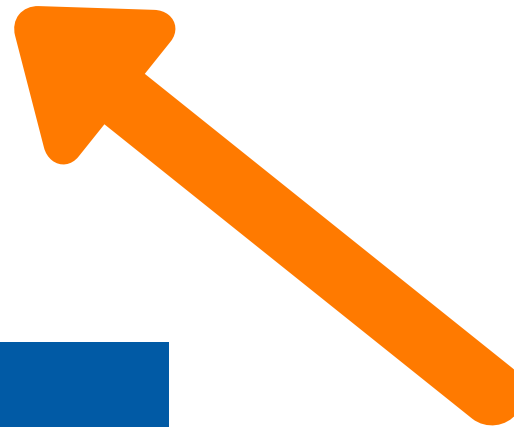
- Software Program Engineer

And Many More...

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PROCESS FOR SUCCESS

GET PLACED

GET TRAINED

ENROLL

FACILITIES OFFERED

- Practical Training on Live Projects

- 100% Placement Guarantee

- Interview Preparation

- Global Certification

- Fully functional labs

- Online / OfflineTraining

- Study Materials

- Expert level industry recognized training

NetTech India

203, Ratnamani Building,
Dada Patil Wadi, Opp ICICI ATM,
Near Platform No.1Thane,
Maharashtra 400601

9870803004/5

info@nettechindia.com

https://www.nettechindia.com