



**To  
The Director  
DJMIT, Gujarat**

**Respected Sir,**

IR4Tech is a boutique firm founded by IT professionals who have significant Industry experience working with Leading IT companies like Accenture, Tata Consultancy Services, American Express, Infosys , RBS etc. The core management team and advisors are alumnus of NSUT, IIMs IITs, DTU and IMT. The team brings in their professional experience to life and helps our clients to remain ahead of the game while operating in a very competitive world.

Our focus areas aligned to skills required by the IT Industry – Core Foundational skills & Industry 4.0 skills such as Artificial Intelligence, Machine Learning, Blockchain, Robotics, Cloud Computing, Data Engineering & Data Science , RPA and related skills like User Experience, Web/Mobile Development, Digital Marketing etc. We bring in the right blend of practical hands on technology experience with the relevant Industry experience to deliver world class services to our clients

We offer Consulting, Training and Solutions for our clients in the technologies relevant in the Digital age. We have entered into a partnership with TSSC under National Skills Development Council (NSDC) to run various New age skills pan India.

We recognize the issues & challenges with the gap in terms of professional education and the expectation Industry has. The core team of IR4Tech has significant Industry experience and understands this gap and well versed with how to fix this. We have come up with unique and industry relevant engagement model with reputed institutions and Universities to bridge the gap.

We believe that this will not only increase the employability of millions of students but as well further strengthen India's positioning in the Global Industry landscape.

Looking forward to having a fruitful association with your esteemed Institution

Kind Regards,

**Arun Singal  
Founder & CEO**



## Pricing Details (ONLINE INSTRUCTOR LED PROGRAM)

	Min. 30 Participants	Min. 50 Participants
- Python + Machine Learning	5000/-	4200/-
- Cyber Security/Ethical Hacking	5000/-	4200/-
❖ Prices above excluding GST		



# Python + Machine Learning



## Course Description

The program has been specially designed for engineering students and working professionals to get practical experience of working . This is an advanced and detailed course for all the participants to accelerate their career in Artificial Intelligence. The program starts with concepts of Python, SQL/RDBMS, Unix to advanced level of Machine Learning, with lots of hands-on exercises and project work. The course had multiple projects which will be developed by the participant individually as well in a team so as to gain the required proficiency in this area.

## Curriculum Structure

- Python Introduction & Basics
- Sequences
- Statements, Functions, Arrays
- Data Handling
- Python OOPS, Visualization in Python
- Numpy, Pandas
- Introduction to Machine Learning and Data Science
- Statistics and Probability
- Supervised and Unsupervised Machine Learning
- Data Pre-processing and Feature Engineering
- Data Visualization
- Linear Regression, Logistic Regression
- Tree based learning, Kernel Learning
- Nearest Neighbors and Clustering
- Model Evaluation, Improvements and Performance Metrics
- Natural Language Processing
- Recommendation Systems



# Cyber Security/ Ethical Hacking



## Course Description

If the idea of hacking as a career excites you, this ethical hacking course will benefit you greatly. In this course, you will start by learning the basics of Computer Systems, DOS Commands, & Computer Hardware. You will further learn about Computer Networking & HTML & further dive into Cyber Security & Ethical Hacking Techniques. This course provides complete ethical hacking tools & techniques used by hackers & information security professionals.

## Curriculum Structure

- Introduction to Ethical Hacking , Hacking Laws, Types of Hackers & Hacking
- Cyber Crime & its Types
- Tips for taking the CEH Responsibilities of Ethical Hacker
- Foot printing , Finding IP Address of a Website & Hosting Company
- IP Address Ranges , Reverse IP Engineering & Its Practical
- Types of Computer Worms, Malware, Worm, Types of Computer Worms
- Find Health Of your Hard Disk
- Best Unbeatable Notepad Tricks (code & hacks)
- Web Updates Monitoring Sites
- IDN Homograph Attack , Changing MAC Address
- Anonymizers
- How Hackers Add VBS Payloads to Startup
- Proxy – Practical & Chaining Tools
- Steganography
- How to Crack Windows Password, Type of Password Attacks, Windows Hacking
- Download a Complete Website to Access Loopholes
- View Saved Password in Computer
- Turn Android Device into Hacking Device

