



## **NITRA Technical Campus, Ghaziabad**

### **Summer Online Training with Internship-June 2020**

You will be completing your internship without a commute and directly from your own laptop, it also known as computer-based training, distance learning, or e-learning, online training is a form of instruction that takes place completely on the internet. It involves a variety of multimedia elements, including graphics, audio, video, and web-links, which all can be accessed through one's internet browser. online training gives students the opportunity for live interactions and real-time feedback for such things as quizzes and tests.

The onset of Silicon revolution has brought in continuous changes in the style of functioning of a business be it is big or small. To keep in phase with these changes, it is essential for one and all to get equipped with computer knowledge. To meet this essential requirement, **NITRA**, a service-oriented organization, jointly established in 1975 by Govt. of India and industry is conducting Summer Online Training with Internship-June 2020.

**Eligibility:** BCA, MCA B.Tech. and Diploma in any stream.

**Course Fee:** Rs. 3000/- Plus 18% GST (student can pick any two topics)

#### **Online Courses offered:**

- **Cloud Computing**
- **Cyber Security**
- **Digital Marketing**

**Last Date of Registration: 07<sup>th</sup> June 2020 (Sunday)**

**Commencement of the class 9<sup>th</sup> June 2020 (Tuesday)**

**Course Materials will be provided in form of PPT/PDF and Video.**

**Quiz will be conducted at the end of the course.**

**E-Certificate after Completion of course will be mailed you and the hard copy of certificate will send to your correspondence address.**

## Cloud Computing:

Welcome to the Cloud Computing Applications course, the first part of a two-course series designed to give you a comprehensive view on the world of Cloud Computing and Big Data! In this first course we cover a multitude of technologies that comprise the modern concept of cloud computing. Cloud computing is an information technology revolution that has just started to impact many enterprise computing systems in major ways, and it will change the face of computing in the years to come. We start the first week by introducing some major concepts in cloud computing, the economics foundations of it and we introduce the concept of big data. We also cover the concept of software defined architectures, and how virtualization results in cloud infrastructure and how cloud service providers organize their offerings

Week	Topic	Duration (1 Month)
Week-1	Course Orientation	1 hours to complete
	Module 1: Introduction to Cloud Computing	5 hours to complete
Week-2	Module 2: CLOUD ENABLING TECHNOLOGIES: Service Oriented Architecture, REST and Systems of Systems, Web Services, Subscribe Model	8 hours to complete
Week-3	Module 3: CLOUD ARCHITECTURE, SERVICES AND STORAGE : IaaS, PaaS, SaaS	6 hours to complete
Week-4	Module 4: RESOURCE MANAGEMENT AND SECURITY IN CLOUD : Inter Cloud Resource Management, Global Exchange of Cloud Resources, Cloud Security Challenges	6 hours to complete
	Module 5: CLOUD TECHNOLOGIES AND ADVANCEMENTS : Hadoop, MapReduce, Virtual Box, Google App Engine	6 hours to complete
	Course Conclusion: Quiz/Assessment	30 Minutes to complete

## Cyber Security:

Cyber security protects the data and integrity of computing assets belonging to or connecting to an organization's network. Its purpose is to defend those assets against all threat actors throughout the entire life cycle of a cyber-attack. More and more businesses today require skilled Cybersecurity professionals to stop phishers, hackers, and cybercriminals in their tracks. The course will cover System Security, in which, you will learn about control hijacking attacks, which includes buffer overflow, integer overflow, bypassing browser and memory protection.

Week	Topic	Duration (1 Month)
Week-1	Course Orientation	1 hours to complete
	Module 1: Introduction to Cyber Security	5 hours to complete
Week-2	Module 2: Cyber Technology Networking, Wireless LAN Basics, Web Basics, Website	8 hours to complete
Week-3	Module 3: Cyber Ethics Privacy, License, Trademark and Copyright Intellectual Property	6 hours to complete
Week-4	Module 4: Cyber Criminals Types Cyber Crime Motives, Psychological Profiling, Sociology of Cyber Criminals, Cyber Stalking, Botnets, Malware, Phishing, Identity Theft (ID Theft)	6 hours to complete
	Module 5: Cyber Crime Techniques Proxy Servers and Anonymizers, Password Cracking, Keyloggers and Spywares, Worms, Trojan Horse, DoS and DDoS Attacks, SQL Injection, Buffer Overflow	6 hours to complete
	Course Conclusion: Quiz/Assessment	30 Minutes to complete

## Digital Marketing:

Digital marketing is a term that is getting very popular by the day. Most brands are getting on with digital marketing because that's where the new market is present. Digital is a boundless arena to brand and promote your business in order to reach a very big target audience, all at the same place! Some of the commonly used techniques are SEO, social media marketing, PPC (pay-per-click), local search and mobile marketing. These tools are all focused on generating revenue for your business as well as increasing your brand visibility in the online channels.

Week	Topic	Duration (1 Month)
Week-1	Course Orientation	1 hours to complete
	Module 1: Introduction to Cyber Security	5 hours to complete
Week-2	Module 2: Principles of Digital Marketing	8 hours to complete
Week-3	Module 3: Website Planning and Structure	6 hours to complete
Week-4	Module 4: Facebook Marketing for Business, Google Adwords and PPC Advertising	6 hours to complete
	Module 5: YouTube and Video Marketing, E-mail Marketing for Business, Lead Generation & Marketing Automation, LinkedIn and Twitter Marketing, Search Engine Optimization (SEO)	6 hours to complete
	Course Conclusion: Quiz/Assessment	30 Minutes to complete

Candidates are advised to mail the following along with application form at : [nitrantc@gmail.com](mailto:nitrantc@gmail.com)

1. Scanned copy of Mark sheets of Class XII, Diploma/Graduation
2. Scanned copy of Aadhaar Card/Voter ID

<b>Payment Details</b>			
<b>Total Amount: Rs.</b>	<b>UTR/Reference No./Challan</b>	<b>Name of Bank &amp; Date:</b>	
<b>For NEFT/RTGS Payment*</b>			
<b>Beneficiary Name : Northern India Textile Research Association, Ghaziabad</b>			
<b>Beneficiary Bank Name &amp; Address: State Bank of India, 10 Navyug Market, Ghaziabad 201 001 (UP)</b>			
<b>Beneficiary Saving A/c No. : 55065458457</b>	<b>IFSC: SBIN0050001</b>	<b>PAN: AAATN1143K</b>	<b>GST No: 09AAATN1143K1ZL</b>

[Apply online](#)