

Programs available under Cloud Centric Curriculum (CCC)

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GNIIIT in Cloud and Mobile Software Engineering	Minimum 2.5 years	14		<table border="1"> <thead> <tr> <th data-bbox="740 1472 854 1524">Term Number</th> <th data-bbox="854 1472 1032 1524">Course Name</th> </tr> </thead> <tbody> <tr> <td data-bbox="740 1524 854 1692">1</td> <td data-bbox="854 1524 1032 1692">Logic Building and Effective Problem Solving Programming in Java</td> </tr> <tr> <td data-bbox="740 1692 854 1818">2</td> <td data-bbox="854 1692 1032 1818">Oracle 11g : Introduction to SQL Professional Skills I</td> </tr> <tr> <td data-bbox="740 1818 854 1877">3</td> <td data-bbox="854 1818 1032 1877">HTML5 Programming</td> </tr> </tbody> </table>	Term Number	Course Name	1	Logic Building and Effective Problem Solving Programming in Java	2	Oracle 11g : Introduction to SQL Professional Skills I	3	HTML5 Programming	<ul style="list-style-type: none"> Class 10th >=60% or Class 12th >=55% for GNIIIT & Class 10th >=70% or Class 12th >=70% for GNIIIT – Digital Transformation Basic Communication Skills (to be able to understand English) 	ILT / SLT	<ul style="list-style-type: none"> Graded or Participation Certificate Professional Practice and Placement Assistance 										
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1	Logic Building and Effective Problem Solving Programming in Java																								
2	Oracle 11g : Introduction to SQL Professional Skills I																								
3	HTML5 Programming																								

If you enroll for Program	Duration	Min. no. of courses to be done	Min. no. of credits to be accumulated	Course Name / Credits		Program Eligibility	Mode of Training	You will get...							
					Developing Web Applications Using Servlets & JSP										
				4	Responsive Web Design Using HTML5 & JQuery										
					Developing Mobile Apps for the Android Platform										
				5	Data Structures and Algorithms										
					Implementing JSF, Hibernate, and Spring in Java EE Applications										
				6	Developing Apps for Touch & Mobile Devices										
					Capstone Project I										
				7	Developing and Deploying Cloud Applications Using Google App Engine										
					Capstone Project II + Professional Skills II										
ANIIT in Banking and Finance	Minimum 2.5 years	14	46	<table border="1"> <thead> <tr> <th data-bbox="740 1545 846 1598">Term Number</th> <th data-bbox="846 1545 1024 1598">Course Name</th> </tr> </thead> <tbody> <tr> <td data-bbox="740 1598 846 1724" rowspan="2">1</td> <td data-bbox="846 1598 1024 1671">Worksmart with Office & the Internet</td> </tr> <tr> <td data-bbox="846 1671 1024 1724">Professional Skills I</td> </tr> <tr> <td data-bbox="740 1724 846 1869" rowspan="2">2</td> <td data-bbox="846 1724 1024 1818">Indian Banking Industry & Regulatory Environment</td> </tr> <tr> <td data-bbox="846 1818 1024 1869">Advanced Excel Tools &</td> </tr> </tbody> </table>	Term Number	Course Name	1	Worksmart with Office & the Internet	Professional Skills I	2	Indian Banking Industry & Regulatory Environment	Advanced Excel Tools &	<ul style="list-style-type: none"> Class 10th >=60% or Class 12th >=55% for ANIIT Working knowledge of MS-Office is preferred 	ILT / SLT	<ul style="list-style-type: none"> Graded or Participation Certificate Placement Assistance
Term Number	Course Name														
1	Worksmart with Office & the Internet														
	Professional Skills I														
2	Indian Banking Industry & Regulatory Environment														
	Advanced Excel Tools &														

If you enroll for Program	Duration	Min. no. of courses to be done	Min. no. of credits to be accumulated	Course Name / Credits	Program Eligibility	Mode of Training	You will get...
				Techniques for Analysing Data			
				3 Customer Service for Banking and Finance Industry			
				Computerized Financial Accounting using Tally ERP 9			
				4 Global Finance & Accounting Standards - IFRS & GAAP			
				Professional Skills II			
				5 Selling & Relationship Management for Banking & Finance			
				Retail Banking Products & Process			
				6 Financial Products & Services			
				Financial Planning & Wealth Management			
				7 Advanced Retail Banking Operations using Finacle			
				Industry Orientation & Career Planning			

SEMESTERS / TERMS	APPRAISAL DETAILS*
Sem 1, Sem 2, Sem 3, Sem 4, Term 1, Term 2, Term 3, Term 4, Term 5, Term 6, Term 7	Course Test, Cycle Test, PMR, ISAS-Seminar, Project Evaluation. Assignment etc
PP1, PP2	Quarterly Progress Report, Seminar, Daily Dairy, Mentor Appraisal Report, Presentations, Group Discussions, Project Report

* Note all semesters/terms need not have all Appraisals

Post Graduate / Diploma / CATS Programs under CCC

If you enroll for Program	Duration	You study for	Program Eligibility	Mode of Training	You will get...
Developing Mobile Apps for the Android Platform (MAAP)	50 hours + 24 hours of Cloud Learning	<ul style="list-style-type: none"> • Identify the fundamentals of Android application development • Build the user interface with menus, tabs, styles, and themes • Work with Activities, Intents, Services, & Broadcast receivers • Store and retrieve data • Notify the user • Customize views • Work with Location-based Services • Implement SMS and telephony • Enhance applications with graphics and multimedia • Secure, test, debug, and deploy Android applications 	<ul style="list-style-type: none"> • Candidates with knowledge of Java programming and application development 	SLT	<ul style="list-style-type: none"> • Graded Certificate only if student obtains a Grade of \geq "C" in each course of the program, else Participation certificate
Programming in "C" (PIC3V)	36 hours	<ul style="list-style-type: none"> • Structure of C functions • Data Types • Standard I/O functions • Logical Operators • Programming Constructs • Arrays • Pointers and pointer arithmetic • Functions for data storage / String handling / data formatting in memory / numeric conversion • File handling • Structures and User Defined Data Types • Link List 	<ul style="list-style-type: none"> • Able to interact in English in a classroom environment • Basic understanding of computers 	ILT / SLT	<ul style="list-style-type: none"> • Graded Certificate for students with CWAP \geq 50% • Participation Certificate for students with CWAP < 50%
Object Oriented Programming Using C++ (PUC3V)	48 hours	<ul style="list-style-type: none"> • Appreciate the object-oriented approach • Create objects • Define and implement Encapsulation and Abstraction • Use operators and decision-making constructs • Use arrays • Implement functions • Use Constructors and Destructors • Implement Polymorphism, Inheritance, Dynamic Polymorphism and Multiple Inheritance • Use file input and output • Use exception handling and templates • Implement linked lists 	<ul style="list-style-type: none"> • Able to build flowcharts and write pseudo-code • Work in a Windows environment • Use editors 	ILT / SLT	<ul style="list-style-type: none"> • Graded Certificate for students with CWAP \geq 50% • Participation Certificate for students with CWAP < 50%

If you enroll for Program	Duration	You study for	Program Eligibility	Mode of Training	You will get...
Data Structure and Algorithms (IDST / DDST)	30 hours	<ul style="list-style-type: none"> Software Libraries in C Concept of Recursion Arrays and their limitations Creating and manipulating single-linked list Implementing Stacks and Queues Creating and manipulating double-linked lists Binary trees Enhance access-indexing using data structures 	<ul style="list-style-type: none"> The ability to interact in English in a classroom environment Knowledge of OOPS & C# Programming OR OOPS & C++ Programming 	ILT / SLT	<ul style="list-style-type: none"> Graded Certificate for students with CWAP >= 50% Participation Certificate for students with CWAP < 50%
Certificate for Proficiency in English Communication for Workplace Level - I (ICPE1 / DCPE1)	60 hours	<ul style="list-style-type: none"> The program is focused on basic grammar, speaking, listening, vocabulary, and reading comprehension in English Program aims to fill the communication gaps for learners, form sentences using words with multiple meanings Enables students to gain confidence in constructing and speaking short, simple sentences in English 	<ul style="list-style-type: none"> Completed 10+2 Learnt English in schools as a subject for a minimum of 5 years 	ILT / SLT	<ul style="list-style-type: none"> Graded Certificate for students with CWAP >= 50% Participation Certificate for students with CWAP <50%
Certificate for Proficiency in English Communication for Workplace Level - II (ICPE2 / DCPE1)	60 hours	<ul style="list-style-type: none"> The program focuses on advanced grammar, speaking, listening, vocabulary, reading comprehension and basics of writing in English and identify the difference between similar sounding words Enable students to communicate confidently in simple English, in professional situations Enable participants to communicate more confidently in a wider range of situations either in speaking & writing Enable participants to express opinions Enable participants to handle calls effectively Eliminating Common Errors in Speech 	<ul style="list-style-type: none"> Completed 10+2 Learnt English in schools as a subject for a minimum of 5 years 	ILT / SLT	<ul style="list-style-type: none"> Graded Certificate for students with CWAP >= 50% Participation Certificate for students with CWAP < 50%
Diploma in Corporate Accounting and Applied Finance (DCAAF)	15 months (550 hours)	<ul style="list-style-type: none"> Efficiently use common productivity tools in their professional work environment and demonstrate their knowledge on creating wide range of documents, organizing and storing information, creating effective presentations etc. Be exposed to industry oriented understanding of concepts in 	<ul style="list-style-type: none"> Candidate should be pursuing B.Com in Undergraduate degree (First Year / Second Year of B.COM) Candidate should have 	SLT	<ul style="list-style-type: none"> Graded or Participation Certificate Placement Assistance

If you enroll for Program	Duration	You study for	Program Eligibility	Mode of Training	You will get...
		Finance and Accounts, and Banking and Insurance <ul style="list-style-type: none"> • Identify common business processes and the role of information systems in automating, standardizing, and monitoring them • Organize, summarize, analyze, present & manage business data using varied tools and techniques • Process financial transactions in a computerized financial accounting environment using 'Generally Accepted Accounting Principles' • Use advanced reporting and analytical methods designed to improve business performance or reduce risk • Effectively communicate and collaborate in a business environment, demonstrate interpersonal and essential professional skills as customer handling, work planning and time management • Course to explore advanced topics such as Corporate finance and applied techniques used in management accounting 	secured $\geq 50\%$ in Class 12 th <ul style="list-style-type: none"> • Candidate should have the ability to understand & interact in English in a classroom environment 		
Diploma in Applied Finance and Accounts (25 Credits)	212 hours (ILT) + 67 hours (CL) + 78 hours (Lab@Home) + 38 hours (EL) + 48 hours (Capstone Project)	<ul style="list-style-type: none"> • Understand and apply General Financial Accounting Principles • Use Double entry method of book-keeping • Create and maintain the chart of accounts • Handle different types of vouchers & recording of transactions • Create and maintain inventories • Maintain bills / invoices details and track receivables and payables • Create and maintain cost-centres & budgets • Understand and apply funds flow & cash flow statements • Use ratio analysis & compute commonly used ratios • Analyze financial statements • Maintain data accuracy, consistency & backups • Advanced Excel Tools & Techniques for Analysing Data • Advanced Computerized Financial Accounting Using Tally.ERP 9 • Professional Skills I 	<ul style="list-style-type: none"> • Pursuing Commerce Graduation with Class 12th score $\geq 50\%$. • Able to interact in English in a classroom environment. • Comfortable working in the Windows environment. 	ILT / SLT	<ul style="list-style-type: none"> • Graded Certificate & Participation Certificate

If you enroll for Program	Duration	You study for	Program Eligibility	Mode of Training	You will get...
		<ul style="list-style-type: none"> Advanced Business Analysis: Tools & Techniques Corporate Finance & Management Accounting Professional Skills – II 			
Post Graduate Program in Applied Finance and Accounts (25 Credits)	212 hours (ILT) + 67 hours (CL) + 78 hours (Lab@Home) + 38 hours (EL) + 48 hours (Capstone Project)	<ul style="list-style-type: none"> Understand and apply General Financial Accounting Principles Use Double entry method of book-keeping Create and maintain the chart of accounts Handle different types of vouchers & recording of transactions Create and maintain inventories Maintain bills / invoices details and track receivables and payables Create and maintain cost-centres & budgets Understand and apply funds flow & cash flow statements Use ratio analysis & compute commonly used ratios Analyze financial statements Maintain data accuracy, consistency & backup Advanced Excel Tools & Techniques for Analysing Data Advanced Computerized Financial Accounting Using Tally.ERP 9 Professional Skills I Advanced Business Analysis: Tools & Techniques Corporate Finance & Management Accounting Professional Skills – II 	<ul style="list-style-type: none"> Completed Commerce Graduation with Class 12th score \geq 50% and Graduation Score \geq50%. Able to interact in English in a classroom environment. Comfortable working in the Windows environment. 	ILT / SLT	<ul style="list-style-type: none"> Graded Certificate & Participation Certificate
Post Graduate Certificate in Business Analytics (PGCBA)	308 hours + 174 hours Cloud Learning	<ul style="list-style-type: none"> Foundation of Analytics Statistical Inference Applications of Analytics in Business Function Special Analytical Methods Information Management in Analytics Case Study in Analytics1 Analytics Project Advanced Business Forecasting Advanced Analytics Application of Analytics in Integrated Business Environment Business Analytics Project 	<ul style="list-style-type: none"> Candidate should be a graduate, BTech / MCom/ MBA or Equivalent. Bachelor's or Master's degree with Maths / Stats / Eco as one of the subjects Candidate should have minimum 60% aggregate marks in Class 12. 	SLT	<ul style="list-style-type: none"> Graded (Grade\geq'C') or Participation Certificate Placement Assistance

If you enroll for Program	Duration	You study for	Program Eligibility	Mode of Training	You will get...
			<ul style="list-style-type: none"> If Candidate has less than 60% but more than or equal to 55% in Class 12, the graduation marks should be 60% or more. 		
<p>Post Graduate Program in Hardware and Networking (PGPHN)</p> <p>Post Graduate Program in Hardware and Networking with specialization in Network Administration (PHNNA)</p> <p>Post Graduate Program in Hardware and Networking with specialization in Server Administration (PHNSA)</p> <p>Post Graduate Program in Hardware and Networking with specialization in Information Security (PHNSS)</p>	<p>Installing, Configuring, Managing, and Troubleshooting a PC → 56 hours (ILT) + 27 hours (CL) + 36 hours (Lab@Home)</p> <p>Fundamentals of Linux Operating System → 30 hours (ILT) + 13 hours (CL)</p> <p>Protocols and Internetworking Standards → 46 hours (ILT) + 21 hours (CL) + 28 hours (Lab@Home)</p> <p>Installing, Configuring, and Troubleshooting a Windows Client → 30 hours (ILT) + 16 hours (CL) + 26 hours (Lab@Home) + 5 hours (EL)</p> <p>Installing & Configuring Windows Server OS → 44 hours (ILT) + 16 hours (CL)</p> <p>Professional Skills I → 20 hours (ILT) + 10 hours (CL) + 6 hours (EL) + 2 hours (CT)</p>	<p>Work Smart with MS Office and the Internet</p> <ul style="list-style-type: none"> Identify application areas of IT Explore various components of a computer Explore Windows operating system Work effectively on the computer Explore the usage of Internet Troubleshoot PC and its peripherals Classify network architecture and topologies Identify resources used to connect a network Secure your system and mobile devices Identify best practices related to green IT and user health Solve day to day tasks efficiently by using MS Office <p>Installing, Configuring, Managing, and Troubleshooting a PC</p> <ul style="list-style-type: none"> Describe computers and their components Install, maintain, and troubleshoot computer components and peripherals Diagnose and troubleshoot issues affecting laptops and personal computing devices Install and configure the Windows OS Describe OS boot sequences, methods, user interfaces, startup utilities, and system tools and utilities Carry out preventative maintenance and safety procedures Describe computer networks, their components, network connectivity options and methods Mitigate computer security threats Describe green computing and its approaches 	<ul style="list-style-type: none"> Completed Graduation with Class 12th score \geq 50% and Graduation Score \geq 50% Able to interact in English in a classroom environment Comfortable working in the Windows environment 	<p>ILT / SLT</p>	<ul style="list-style-type: none"> Graded / Participation Certificate

If you enroll for Program	Duration	You study for	Program Eligibility	Mode of Training	You will get...
		<p>Fundamentals of Linux Operating System</p> <ul style="list-style-type: none"> • Identify Linux as an operating system • Identify the basics of Linux • Identify Linux text editors • Identify standard device files, filters, and pipes • Create basic shell scripts in Linux • Create advance shell scripts • Manage files and processes • Work with Linux utilities • Introduce the X Window system and GNOME • Introduce KDE <p>Protocols and Internetworking Standards</p> <ul style="list-style-type: none"> • Identify the basic components of network theory • Identify the major network communications and data delivery methods • List and describe network media and hardware components • Identify the components of a TCP/IP network implementation and major services deployed on TCP/IP networks • Identify major issues and technologies in network security and disaster recovery • Plan and design a network by using a systematic design methodology • Identify the components of a remote network implementation • Identify major data storage technologies and implementations • Identify the primary network operating systems • Explore tools, methods, and techniques used in managing and troubleshooting a network <p>Installing, Configuring, and Troubleshooting a Windows Client</p> <ul style="list-style-type: none"> • Install and deploy Windows 8 • Upgrade and migrate to Windows 8 • Manage disks and device drivers • Configure and troubleshoot network connections • Implement wireless network connections • Implement network security • Configure file access and printers on Windows 8 clients 			

If you enroll for Program	Duration	You study for	Program Eligibility	Mode of Training	You will get...
		<ul style="list-style-type: none"> • Secure Windows 8 desktops • Configure applications • Optimize and maintain Windows 8 client computers • Configure mobile computing and remote access • Implement Hyper-V <p>Installing & Configuring Windows Server OS</p> <ul style="list-style-type: none"> • Install and Configure Windows Server 2012 • Describe AD DS • Manage Active Directory objects • Automate Active Directory administration • Implement IPv4 • Implement Dynamic Host Configuration Protocol (DHCP) • Implement Domain Name System (DNS) • Implement IPv6 • Implement local storage • Share files and printers • Implement Group Policy • Use Group Policy Objects (GPOs) to secure Windows Servers • Implement server virtualization using Hyper-V <p>Professional Skills I</p> <ul style="list-style-type: none"> • Improve communication skills • Improve self-presentation skills • Work effectively in a team environment • Demonstrate critical thinking • Understand concepts of health, safety and security • Understand methods of planning and prioritizing • Understand the need for values and ethics at the workplace • Demonstrate capability in basic aptitude tests – verbal, numerical, and logic 			
<p>Diploma in Hardware and Networking (DPHN)</p> <p>Higher Diploma in Hardware and Networking with specialization in Network Administration (DHNNA)</p>	<p>Installing, Configuring, Managing, and Troubleshooting a PC → 56 hours (ILT) + 27 hours (CL) + 36 hours (Lab@Home)</p> <p>Fundamentals of Linux Operating</p>	<p>Work Smart with MS Office and the Internet</p> <ul style="list-style-type: none"> • Identify application areas of IT • Explore various components of a computer • Explore Windows operating system • Work effectively on the computer • Explore the usage of Internet • Troubleshoot PC and its peripherals 	<ul style="list-style-type: none"> • Completed Graduation with Class 12th score >= 50% and Graduation Score >=50% • Able to interact in English in a classroom environment 	<p>ILT / SLT</p>	<ul style="list-style-type: none"> • Graded / Participation Certificate

If you enroll for Program	Duration	You study for	Program Eligibility	Mode of Training	You will get...
<p>Higher Diploma in Hardware and Networking with specialization in Server Administration (DHNSA)</p> <p>Higher Diploma in Hardware and Networking with specialization in Information Security (DHNSS)</p>	<p>System → 30 hours (ILT) + 13 hours (CL)</p> <p>Protocols and Internetworking Standards → 46 hours (ILT) + 21 hours (CL) + 28 hours (Lab@Home)</p> <p>Installing, Configuring, and Troubleshooting a Windows Client → 30 hours (ILT) + 16 hours (CL) + 26 hours (Lab@Home) + 5 hours (EL)</p> <p>Installing & Configuring Windows Server OS → 44 hours (ILT) + 16 hours (CL)</p> <p>Professional Skills I → 20 hours (ILT) + 10 hours (CL) + 6 hours (EL) + 2 hours (CT)</p>	<ul style="list-style-type: none"> • Classify network architecture and topologies • Identify resources used to connect a network • Secure your system and mobile devices • Identify best practices related to green IT and user health • Solve day to day tasks efficiently by using MS Office <p>Installing, Configuring, Managing, and Troubleshooting a PC</p> <ul style="list-style-type: none"> • Describe computers and their components • Install, maintain, and troubleshoot computer components and peripherals • Diagnose and troubleshoot issues affecting laptops and personal computing devices • Install and configure the Windows OS • Describe OS boot sequences, methods, user interfaces, startup utilities, and system tools and utilities • Carry out preventative maintenance and safety procedures • Describe computer networks, their components, network connectivity options and methods • Mitigate computer security threats • Describe green computing and its approaches <p>Fundamentals of Linux Operating System</p> <ul style="list-style-type: none"> • Identify Linux as an operating system • Identify the basics of Linux • Identify Linux text editors • Identify standard device files, filters, and pipes • Create basic shell scripts in Linux • Create advance shell scripts • Manage files and processes • Work with Linux utilities • Introduce the X Window system and GNOME • Introduce KDE <p>Protocols and Internetworking Standards</p> <ul style="list-style-type: none"> • Identify the basic components of network theory 	<ul style="list-style-type: none"> • Comfortable working in the Windows environment 		

If you enroll for Program	Duration	You study for	Program Eligibility	Mode of Training	You will get...
		<ul style="list-style-type: none"> • Identify the major network communications and data delivery methods • List and describe network media and hardware components • Identify the components of a TCP/IP network implementation and major services deployed on TCP/IP networks • Identify major issues and technologies in network security and disaster recovery • Plan and design a network by using a systematic design methodology • Identify the components of a remote network implementation • Identify major data storage technologies and implementations • Identify the primary network operating systems • Explore tools, methods, and techniques used in managing and troubleshooting a network <p>Installing, Configuring, and Troubleshooting a Windows Client</p> <ul style="list-style-type: none"> • Install and deploy Windows 8 • Upgrade and migrate to Windows 8 • Manage disks and device drivers • Configure and troubleshoot network connections • Implement wireless network connections • Implement network security • Configure file access and printers on Windows 8 clients • Secure Windows 8 desktops • Configure applications • Optimize and maintain Windows 8 client computers • Configure mobile computing and remote access • Implement Hyper-V <p>Installing & Configuring Windows Server OS</p> <ul style="list-style-type: none"> • Install and Configure Windows Server 2012 • Describe AD DS • Manage Active Directory objects • Automate Active Directory administration • Implement IPv4 • Implement Dynamic Host Configuration Protocol (DHCP) • Implement Domain Name System (DNS) • Implement IPv6 			

If you enroll for Program	Duration	You study for	Program Eligibility	Mode of Training	You will get...
		<ul style="list-style-type: none"> Implement local storage Share files and printers Implement Group Policy Use Group Policy Objects (GPOs) to secure Windows Servers Implement server virtualization using Hyper-V <p>Professional Skills I</p> <ul style="list-style-type: none"> Improve communication skills Improve self-presentation skills Work effectively in a team environment Demonstrate critical thinking Understand concepts of health, safety and security Understand methods of planning and prioritizing Understand the need for values and ethics at the workplace Demonstrate capability in basic aptitude tests – verbal, numerical, and logic 			
Oracle Database 11g: Administration Workshop II (O11W2)	48 hours (ILT) + 19 hours (CL) + 2 hours (CT)	<ul style="list-style-type: none"> Secure the availability of the database by using appropriate backup and recovery strategies Diagnose and repair data failures with flashback technology Monitor and manage major database components, including memory, performance, and resources Automate DBA tasks with the scheduler Manage space to optimize database storage and to be able to respond to growing space requirements 	<p>The learner who wishes to take this course should have knowledge of:</p> <ul style="list-style-type: none"> Oracle Database 11g: Introduction to SQL Oracle Database 11g: PL/SQL Fundamentals Oracle Database 11g: Administration Workshop I 	ILT / SLT	<ul style="list-style-type: none"> Graded / Participation Certificate
Programming Using Python (OOPYH)	42 hours (ILT) + 21 hours (CL) + 14 hours (Lab@Home) + 2 hours (CT)	<ul style="list-style-type: none"> Identify basic building blocks of a programming language Use built-in and user-defined functions Perform string manipulations Manage files Store and manipulate data using dictionary and tuples Create networked applications Work with Web services 	<ul style="list-style-type: none"> Basic knowledge of Computers 	ILT / SLT	<ul style="list-style-type: none"> Graded / Participation Certificate
Software Testing Using HP Tools (PGCST)	166 hours (CS) + 90 hours (CL) + 6 hours (EL) + 8 hours (CT)	<p>Software Testing and Quality Assurance</p> <ul style="list-style-type: none"> Differentiate between quality assurance and quality control 	<ul style="list-style-type: none"> The admission criteria as applicable for placement 	SLT	<ul style="list-style-type: none"> Graded / Participation Certificate

If you enroll for Program	Duration	You study for	Program Eligibility	Mode of Training	You will get...
		<ul style="list-style-type: none"> • Identify roles and responsibilities of a software tester • Explain the phases of the test planning process • Identify the various testing approaches and testing tools • Identify the activities and techniques involved in test case design and test management • Identify the phases of acceptance testing • Identify steps in defect discovery and strategies to track defects • Define error, defect, bug, fault, and failure • Identify the steps in risk management process and test effort estimation <p>Unified Functional Testing Essentials</p> <ul style="list-style-type: none"> • Create tests using Unified Functional Testing • Create a basic test • Work with objects • Verify standard checkpoints • Use parameters in UFT <p>Application Lifecycle Management</p> <ul style="list-style-type: none"> • Understand application lifecycle management • Work with release management and requirements • Create test plan and execute tests • Track, report, and analyze defects • Analyze test reports <p>LoadRunner Essentials</p> <ul style="list-style-type: none"> • Identify the need for load testing • Identify the components of LoadRunner (LR) • Apply the recommended workflow to create a basic LR scenario • Assign scripts, run-time settings, performance monitors, Load Generators (LGs), and Virtual User (Vusers) to a LR based on your load testing goals • Perform a load test on your application by running a scenario • Record scripts in the web environment using the Virtual User Generator (VuGen) • Measure steps and business processes using transactions 	<p>linked programs</p> <ul style="list-style-type: none"> • Graduation marks >= 50% • The learner who wishes to take this course should be able to: <ul style="list-style-type: none"> ○ Convers e in English ○ Work on Windows environm ent ○ Knows any one program ming language 		

If you enroll for Program	Duration	You study for	Program Eligibility	Mode of Training	You will get...
		<ul style="list-style-type: none"> Parameterize scripts to vary user input data Correlate scripts to process server-generated data <p>Professional Skills - I</p> <ul style="list-style-type: none"> Improve communication skills Improve self-presentation skills Work effectively in a team environment Demonstrate critical thinking Understand concepts of health, safety and security Understand methods of planning and prioritizing Understand the need for values and ethics at the workplace Demonstrate capability in basic aptitude tests - verbal, numerical, and logic 			
Post Graduate Program in Software Engineering [.NET Specialization] version 3 (PGPNS)	<p>Logic Building and Effective Problem Solving: 30 hours (Contact Session) + 15 hours (CL) + 20 hours (L@H) + 2 hours (CT)</p> <p>RDBMS Essentials and T-SQL Programming: 42 hours (Contact Session) + 18 hours (CL) + 25 hours (L@H) + 5 hours (EL) + 2 hours (CT)</p> <p>Object Oriented Programming Using C#: 54 hours (Contact Session) + 27 hours (CL) + 28 hours (L@H)</p> <p>HTML5 Programming: 42 hours (Contact Session) + 21 hours (CL) + 28 hours (L@H) + 14 hours (EL) + 2 hours (CT)</p>	<ul style="list-style-type: none"> Logic Building and Effective Problem Solving RDBMS Essentials and T-SQL Programming Object Oriented Programming Using C# HTML5 Programming Developing Web Applications Using ASP.NET Professional Skills I Developing & Deploying Cloud Applications on Microsoft Azure Industry Orientation (2 Weeks Bootcamp) + Capstone Project 	<ul style="list-style-type: none"> Completed Class XII with $\geq 50\%$ and Graduation studies with $\geq 50\%$ Able to interact in English in a classroom environment Age < 24.5 years Comfortable working in the Windows environment 	ILT / SLT	<ul style="list-style-type: none"> Graded Certificate & Participation Certificate

If you enroll for Program	Duration	You study for	Program Eligibility	Mode of Training	You will get...
	<p>Developing Web Applications Using ASP.NET: 44 hours (Contact Session) + 24 hours (CL) + 32 hours (L@H) + 6 hours (EL)</p> <p>Professional Skills I: 20 hours (Contact Session) + 10 hours (CL) + 6 hours (EL) + 2 hours (CT)</p> <p>Developing & Deploying Cloud Applications on Microsoft Azure: 46 hours (Contact Session) + 20 hours (CL) + 32 hours (L@H)</p> <p>Industry Orientation (2 Weeks Bootcamp) + Capstone Project: 48 hours (Contact Session) + 8 hours (CL) + 30 hours (L@H)</p>				
<p>Diploma in Software Engineering [.NET Specialization] version 3 (DIPNS)</p>	<p>Logic Building and Effective Problem Solving: 30 hours (Contact Session) + 15 hours (CL) + 20 hours (L@H) + 2 hours (CT)</p> <p>RDBMS Essentials and T-SQL Programming: 42 hours (Contact Session) + 18 hours (CL) + 25 hours (L@H) + 5 hours (EL) + 2 hours (CT)</p> <p>Object Oriented</p>	<ul style="list-style-type: none"> • Logic Building and Effective Problem Solving • RDBMS Essentials and T-SQL Programming • Object Oriented Programming Using C# • HTML5 Programming • Developing Web Applications Using ASP.NET • Professional Skills I • Developing & Deploying Cloud Applications on Microsoft Azure • Industry Orientation (2 Weeks Bootcamp) + Capstone Project 	<ul style="list-style-type: none"> • Completed Class XII with >= 50% • Able to interact in English in a classroom environment • Age < 24.5 years • Comfortable working in the Windows environment 	<p>ILT / SLT</p>	<ul style="list-style-type: none"> • Graded Certificate & Participation Certificate

If you enroll for Program	Duration	You study for	Program Eligibility	Mode of Training	You will get...
	<p>Programming Using C#: 54 hours (Contact Session) + 27 hours (CL) + 28 hours (L@H)</p> <p>HTML5 Programming: 42 hours (Contact Session) + 21 hours (CL) + 28 hours (L@H) + 14 hours (EL) + 2 hours (CT)</p> <p>Developing Web Applications Using ASP.NET: 44 hours (Contact Session) + 24 hours (CL) + 32 hours (L@H) + 6 hours (EL)</p> <p>Professional Skills I: 20 hours (Contact Session) + 10 hours (CL) + 6 hours (EL) + 2 hours (CT)</p> <p>Developing & Deploying Cloud Applications on Microsoft Azure: 46 hours (Contact Session) + 20 hours (CL) + 32 hours (L@H)</p> <p>Industry Orientation (2 Weeks Bootcamp) + Capstone Project: 48 hours (Contact Session) + 8 hours (CL) + 30 hours (L@H)</p>				
Professional Diploma in Digital Transformation - Java Enterprise Apps with DevOps	14 weeks	<ul style="list-style-type: none"> • Core Java • Oracle Database • HTML5 & CSS3 • Web Services • Spring • Hibernate 	<ul style="list-style-type: none"> • For Enrollment: Completed Class X and XII with >= 55% 	SLT	<ul style="list-style-type: none"> • Graded Certificate & Participation Certificate • Placement Assistance

If you enroll for Program	Duration	You study for	Program Eligibility	Mode of Training	You will get...
(DTEJA)		<ul style="list-style-type: none"> • DevOps • Projects 	<ul style="list-style-type: none"> • For Placement: Completed Class X, XII and Graduation with >= 60% • Graduates and undergraduate in STEM (Science, Technology, Engineering, Maths) • Prior knowledge of at least one OOPs based computer language (Java or C++) 		
Certificate in Digital Transformation - Java Enterprise Apps with DevOps (CDTJE)	7 weeks	<ul style="list-style-type: none"> • Core Java • Oracle Database • HTML5 & CSS3 • Web Services • Spring • Hibernate • DevOps • Project 	<ul style="list-style-type: none"> • Completed Class X and XII with >= 55% • Undergraduate in STEM (Science, Technology, Engineering, Maths) • Prior knowledge of at least one OOPs based computer language (Java or C++) 	SLT	<ul style="list-style-type: none"> • Graded Certificate & Participation Certificate

Note:

- **SLT : Synchronous Learning Technology**
- **ILT : Instructor Led Training**
- **L@H : Lab at Home**
- **CT : Course Test**
- **CL : Cloud Learning**
- **EL : E-Learning**

ALLIED SERVICES:

Service	Deliverable	Applicability	Time Norm
CERTIFICATION	Certificate (Record of completion of Program)	Provided to a student who completes a program / course subject to Program / Course Eligibility Norms and Student Appraisal Obligations stated in Student Academic Policy.	As per time norms stated in Student Academic Policy
PROFESSIONAL PRACTICE	PP Allotment	Refer the obligations for the same as stated in the Student Academic Policy.	As per time norms stated in Student Academic Policy
PLACEMENT ASSISTANCE (optional)	Limited number of Interview Opportunities	Refer the obligations for the same as stated in the Student Academic Policy.	As per time norms stated in Student Academic Policy

Note:
1. The details of the contents of these semesters are as per the Course Objectives List, which is available in the Front Office for reference.
2. All students will be provided with personal copy of the study material during the program. Courseware kits for each semester / course will be given to the student on payment of the courseware component.
3. Cloud Courseware will be provided in select centres for select programs instead of physical course material.
4. NIIT centre will make every effort to adhere to the time norms specified but is not responsible for delays beyond its control.
5. Select courses / facilities available at select locations / centres.