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Career path & Course Content

Career Path

Course Content

Please note that our course content is constantly updated. the courses and content listed herein is not final

SOFTWARE DEVELOPMENT:
Software development is the process of creating, designing, programming, testing, and maintaining computer programs and applications. It involves writing instructions that a computer can follow to perform specific tasks or functions. Software development encompasses various stages, from conceptualizing an idea to delivering a functional and user-friendly software product. Developers use programming languages to translate human-readable instructions into a language that computers understand, allowing them to create a wide range of applications.

Java:
Java is a programming language used for software development. It allows developers to create applications that can run on various devices, providing a balance between performance and portability. Java is often used for building web applications, mobile apps (Android), and large-scale enterprise systems.

C#:
C# (pronounced "C sharp") is another programming language, primarily associated with Microsoft technologies. It is commonly used for developing Windows applications, web applications, and games. C# is known for its integration with the .NET framework, making it a versatile choice for different types of software.

Python:
Python is a beginner-friendly programming language known for its simplicity and readability. It's widely used for web development, data analysis, artificial intelligence, and more. Python's syntax allows developers to express concepts in fewer lines of code, making it an excellent choice for rapid development and prototyping.

In essence, these languages are tools that developers use to build various types of software, each with its strengths and applications. Java is versatile and platform-independent, C# is often associated with Microsoft technologies, and Python is known for its simplicity and versatility across different domains.

A career in software development is open to a diverse range of individuals with different backgrounds and characteristics. Here are qualities and traits that can make someone well-suited for a career in software development: Problem Solver, **Logical Thinker, Curiosity, Detail-Oriented, Continuous Learner, Passion for Technology**.

It's important to note that a formal computer science degree is not always a requirement for a career in software development. Many successful developers have diverse educational backgrounds and enter the field through learning coding . The key is a combination of aptitude, skills, and a passion for creating software.

WEB DEVELOPMENT:
Web development is the process of creating, building and maintaining websites or web applications. It involves both the front-end (what users see and interact with) and the back-end (server-side logic and databases). Web developers use scripting and programming languages like HTML, CSS, JavaScript, PHP, Python, Java, or Node.js. to design and implement the visual elements, user interfaces, and backend functionality of a website and web applications.

Web development It is divided into two main parts:

Frontend Development: Frontend developers work on the visible parts of a website that users interact with directly. They use languages like HTML, CSS, and JavaScript to create user interfaces and ensure a positive user experience.

Backend Development: Backend developers focus on the server-side of a website, managing databases, servers, and the overall functionality that happens behind the scenes. They use languages like PHP, Python, Java, or Node.js.

Fullstack Development: Fullstack developers have expertise in both frontend and backend development, allowing them to work on the entire web development process, from user interface design to server management.

MOBILE APP DEVELOPMENT:
Mobile development involves creating applications for mobile devices such as smartphones and tablets such as:
iOS Development: Involves creating apps for Apple devices.
Android Development: Involves creating apps for Android devices.

Both web and mobile development require problem-solving skills, attention to detail, and a commitment to staying updated with evolving technologies and best practices. Aspiring developers can start with the basics and gradually deepen their understanding of these areas based on their interests and career goals.

WORDPRESS:
WordPress is a popular content management system (CMS) that enables users to create and manage websites easily. It's known for its user-friendly interface and extensive plugin ecosystem, making it accessible for individuals and businesses to build and customize websites without extensive coding knowledge.

DIGITAL MARKETING:
Digital Marketing involves promoting products or services using digital channels such as social media, search engines, email, and online advertising. It aims to reach a target audience, increase brand visibility, and drive customer engagement.

UI/UX (USER INTERFACE/USER EXPERIENCE):
UI/UX focuses on enhancing user satisfaction by improving the usability and accessibility of digital products. UI refers to the visual design, while UX focuses on the overall user experience.

2D & 3D ANIMATION:
Animation involves creating moving images through a sequence of frames. 2D animation occurs in two-dimensional space, while 3D animation adds the illusion of depth.

GRAPHIC DESIGN:
Graphic Design is the creation of visual content for various mediums, including print and digital. It involves combining images, text, and graphics to convey a message or concept.

CYBERSECURITY AND ETHICAL HACKING:
Cybersecurity involves protecting computer systems, networks, and data from unauthorized access, attacks, and damage. It encompasses various measures, including encryption, firewalls, and security protocols, to safeguard digital information and maintain the confidentiality, integrity, and availability of data.

Ethical Hacking is a practice within cybersecurity where professionals, known as ethical hackers, deliberately and legally attempt to exploit vulnerabilities in a system to identify and rectify security weaknesses. The goal is to strengthen security by proactively addressing potential threats.

PROJECT MANAGEMENT:
Project Management involves coordinating tasks, resources, and timelines to achieve specific goals within set constraints. It ensures efficient project completion. Project Management suits those who enjoy coordinating tasks

ITIL (INFORMATION TECHNOLOGY INFRASTRUCTURE LIBRARY):
ITIL is a framework for managing IT services, focusing on aligning them with business needs. It emphasizes service efficiency, cost-effectiveness, and customer satisfaction. ITIL is for those interested in IT services

COMPUTER NETWORKING / CCNA (Cisco Certified Network Associate):
Computer networking involves the interconnection of computers and devices to share resources and information. CCNA certification validates foundational skills in networking, including configuring routers, switches, and ensuring network security. CCNA is for networking enthusiasts.

AUTOCAD (COMPUTER-AIDED DESIGN):
AutoCAD is a software used for 2D and 3D design and drafting. It's essential in industries like architecture and engineering. AutoCAD is for Architects, Engineers, Drafters, Interior Designers, Urban Planners, Product Designers Land Surveyors, Construction Professionals, Manufacturers.

DATABASE ADMINISTRATION:
Database Administration involves managing and securing databases, ensuring data integrity, and facilitating efficient data access. Database Administration is for database management.

PRODUCT MANAGEMENT:
Product Management oversees the development and lifecycle of a product, from conception to market launch, ensuring it meets customer needs. Product Management is for product development,

ICT/IT BEGINNERS COURSE:
An ICT/IT beginners course introduces basic computer literacy, internet use, digital communication, and awareness of security practices. ICT/IT Beginners is for basic tech literacy.

COMPTIA A+:
CompTIA A+ is a foundational IT certification covering essential skills in hardware, software, networking, and troubleshooting. CompTIA A+ is for foundational IT skills

DATA ANALYTICS, DATA SCIENCE, MACHINE LEARNING, AND ARTIFICIAL INTELLIGENCE:

DATA ANALYTICS:

Data Analytics involves examining and interpreting data to gain insights, inform decision-making, and solve business problems. It focuses on processing historical data to identify trends and patterns, often using statistical methods and visualization tools.

DATA SCIENCE:

Data Science is a broader field encompassing various techniques for extracting knowledge and insights from data. It involves collecting, cleaning, and analyzing data, utilizing statistical models and machine learning algorithms to generate actionable insights and predictions.

MACHINE LEARNING:

Machine Learning is a subset of Artificial Intelligence (AI) that empowers systems to learn and make predictions or decisions without explicit programming. It uses algorithms to recognize patterns and improve performance over time as it processes more data.

ARTIFICIAL INTELLIGENCE:

Artificial Intelligence is a broader concept where machines or systems are designed to simulate human intelligence. It includes various technologies, such as Machine Learning, Natural Language Processing, and computer vision, to perform tasks that typically require human intelligence.

Differences and Relationships:

Data Analytics vs. Data Science: Data Analytics is a part of Data Science, focusing on analyzing historical data, while Data Science involves a more comprehensive approach, including data cleaning, modeling, and predictive analysis.

Data Science vs. Machine Learning: Data Science is a broader field covering various aspects of data handling, while Machine Learning is a specific technique within Data Science, focusing on creating models that can learn and make predictions.

Machine Learning vs. Artificial Intelligence: Machine Learning is a subset of AI, where machines learn from data, while AI encompasses a broader range of technologies, including machine learning, to enable machines to perform intelligent tasks.

COURSE	COURSE CONTENT
DIGITAL MARKETING	Module 1: Introduction to Digital Marketing Module 2: Website Optimization and User Experience Module 3: Search Engine Marketing (SEM) and Pay-Per-Click (PPC) Advertising Module 4: Content Marketing and Branding Module 5: Social Media Marketing (SMM) Module 6: Email Marketing and Automation Module 7: Affiliate Marketing Module 8: Mobile Marketing and App Promotion. Module 9: Analytics and Data-Driven Marketing Module 10: Emerging Trends in Digital Marketing Module 11: Advanced Topics Module 12: Digital Marketing Strategy and Planning

COURSE	COURSE CONTENT
FULL-STACK WEB DEVELOPMENT WITH DJANGO	Module 1: Introduction to Web Design and HTML Module 2: CSS Fundamentals Module 3: Introduction to JavaScript Module 4: Responsive Web Design with Bootstrap Module 5: Advanced CSS and Animation Module 6: JavaScript DOM Manipulation Module 7: Interactive Web Design with jQuery Module 8: An Introduction to Python Module 9: Beginning Python Basics Module 10: Python Program Flow Module 11: python object oriented programming Module 12: Exceptions Handling Module 13: File Handling Module 14: Generators and iterators Module 15: Advance Module 16: Introduction to Django Module 17: Django Views and Templates Module 18: Django Models and Databases Module 19: Django Forms Module 20: Django Authentication and Authorization Module 21: Django Static and Media Files Module 22: Django REST Framework (DRF) Module 23: Django Deployment

COURSE	COURSE CONTENT
FULL-STACK WEB DEVELOPMENT WITH FLASK	Module 1: Introduction to Web Design and HTML Module 2: CSS Fundamentals Module 3: Introduction to JavaScript Module 4: Responsive Web Design with Bootstrap Module 5: Advanced CSS and Animation Module 6: JavaScript DOM Manipulation Module 7: Interactive Web Design with jQuery Module 8: An Introduction to Python Module 9: Beginning Python Basics Module 10: Python Program Flow Module 11: python object oriented programming Module 12: Exceptions Handling Module 13: File Handling Module 14: Generators and iterators Module 15: Advance Module 16: Introduction to Flask Module 17: Flask Templates Module 18: Flask and Databases Module 19: Flask Forms and User Input Module 20: Flask and RESTful APIs Module 21: Flask and User Sessions Module 22: Flask Deployment

COURSE	COURSE CONTENT

MOBILE APPLICATION DEVELOPMENT WITH FLUTTER

Module 1: Introduction to Mobile App Development and Flutter
Module 2: Flutter Widgets and Layouts
Module 3: Navigation and Routing
Module 4: Flutter State Management
Module 5: Working with Forms and User Input
Module 6: Networking and API Integration
Module 7: Flutter and Firebase Integration
Module 8: Flutter and Device Features
Module 9: Flutter Animation and Gestures
Module 10: Testing and Debugging Flutter Apps
Module 11: Deploying Flutter Apps

COURSE	COURSE CONTENT
API DEVELOPMENT WITH DJANGO	Module 1: An Introduction to Python Module 2: Beginning Python Basics Module 3: Python Program Flow Module 4: python object oriented programming Module 5: Exceptions Handling Module 6: File Handling Module 7: Generators and iterators Module 8: Advance Functions Module 9: Introduction to APIs and REST Module 10: Serializers and Model Serializers Module 11: API Views and URL Routing Module 12: Authentication and Permissions Module 13: Pagination and Filtering Module 14: Versioning and Documentation Module 15: Advanced Features and Nested Resources Module 16: Testing and Debugging APIs Module 17: File Uploads and Media Handling Module 18: Advanced Authentication and Security.

COURSE	COURSE CONTENT
API DEVELOPMENT WITH FAST API	Module 1: An Introduction to Python Module 2: Beginning Python Basics Module 3: Python Program Flow Module 4: python object oriented programming Module 5: Exceptions Handling Module 6: File Handling Module 7: Generators and iterators Module 8: Advance Function Module 9: Introduction to APIs and REST Module 10: API Routing and URL Design Module 11: Request and Response Models Module 12: Query Parameters and Pagination Module 13: Authentication and Permissions Module 14: Error Handling and Validation Module 15: API Documentation and Testing Module 16: Advanced Features and Deployment

COURSE	COURSE CONTENT

BACK-END WEB DEVELOPMENT WITH PYTHON (FLASK)

Module 1: An Introduction to Python
Module 2: Beginning Python Basics
Module 3: Python Program Flow
Module 4: python object oriented programming
Module 5: Exceptions Handling
Module 6: File Handling
Module 7: Generators and iterators
Module 8: Advance Functions
Module 9: Introduction to Flask
Module 10: Flask Templates
Module 11: Flask and Databases
Module 12: Flask Forms and User Input
Module 13: Flask and RESTful APIs
Module 14: Flask and User Sessions
Module 15: Flask Deployment

COURSE	COURSE CONTENT

BACK-END WEB DEVELOPMENT WITH PHP

Module 1 Introduction to PHP Programming
Module 2 Installing A Local Server for PHP
Module 3 Output In Browser Using PHP
Module 4 How to Create PHP Variables
Module 5 How to Write Comments in PHP
Module 6 What Are Internal Functions in PHP
Module 7 Different Data Types in PHP
Module 8 Operators in PHP
Module 9 Conditional Statements in PHP
Module 10 Exercise Using PHP | Let's Build a Calculator
Module 11 Exercise Using PHP | Scheduled Message Programming
Module 12 How to Create Your Own Function in PHP
Module 13 Loops in PHP
Module 14 How to Include Documents in PHP
Module 15 Local and Global Scope in PHP
Module 16 Different Superglobals in PHP
Module 17 MySQL with PHP
Module 18 What are Prepared Statements and how to use them
Module 19 What Are Error Handlers in PHP
Module 20 How to Display Error Messages Using PHP
Module 21 Hashing and de-hashing data using PHP
Module 22 How To Create A Login System In PHP
Module 23 Arrays in PHP and MySQL
Module 24 Upload Files and Images to Website in PHP
Module 25 How to create a search field with PHP and MySQLi
Module 26 How to Create A PHP Contact Form
Module 27 Functions Using Regular Expressions
Module 28 Search Patterns Using Regular Expressions
Module 29 How to Create a Unique String in PHP
Module 30 How to Remove the File Extension and Variables From the URL
Module 31 How to Create a PHP Gallery
Module 32 OOP in PHP
Module 33 How To Create A OOP PHP Login System For Beginners

COURSE	COURSE CONTENT
BACK-END WEB DEVELOPMENT WITH PYTHON (DJANGO)	Module 1: An Introduction to Python Module 2: Beginning Python Basics Module 3: Python Program Flow Module 4: python object oriented programming Module 5: Exceptions Handling Module 6: File Handling Module 7: Generators and iterators Module 8: Advance Function Module 9: Introduction to Django Module 10: Django Views and Templates Module 11: Django Models and Databases Module 12: Django Forms Module 13: Django Authentication and Authorization Module 14: Django Static and Media Files Module 15: Django REST Framework (DRF) Module 16: Django Deployment

COURSE	COURSE CONTENT

MOBILE APP DEVELOPMENT WITH FLUTTER & FAST API

Module 1: Introduction to Mobile App Development and Flutter
Module 2: Flutter Widgets and Layouts
Module 3: Navigation and Routing
Module 4: Flutter State Management
Module 5: Working with Forms and User Input
Module 6: Networking and API Integration
Module 7: Flutter and Firebase Integration
Module 8: Flutter and Device Features
Module 9: Flutter Animation and Gestures
Module 10: Testing and Debugging Flutter Apps
Module 11: Deploying Flutter Apps
Module 12: An Introduction to Python
Module 13: Beginning Python Basics
Module 14: Python Program Flow
Module 15: python object oriented programming
Module 16: Exceptions Handling
Module 17: File Handling
Module 18: Generators and iterators
Module 19: Advance Functions
Module 20: Introduction to APIs and REST
Module 21: API Routing and URL Design
Module 22: Request and Response Models
Module 23: Query Parameters and Pagination
Module 24: Authentication and Permissions access to API views
Module 25: Error Handling and Validation
Module 26: API Documentation and Testing
Module 27: Advanced Features and Deployment

COURSE	COURSE CONTENT
MOBILE APP DEVELOPMENT WITH FLUTTER & DJANGO API	Module 1: Introduction to Mobile App Development and Flutter Module 2: Flutter Widgets and Layouts Module 3: Navigation and Routing Module 4: Flutter State Management Module 5: Working with Forms and User Input Module 6: Networking and API Integration Module 7: Flutter and Firebase Integration Module 8: Flutter and Device Features Module 9: Flutter Animation and Gestures Module 10: Testing and Debugging Flutter Apps Module 11: Deploying Flutter Apps Module 12: An Introduction to Python Module 13: Beginning Python Basics Module 14: Python Program Flow Module 15: python object oriented programming Module 16: Exceptions Handling Module 17: File Handling Module 18: Generators and iterators Module 19: Advance Functions Module 20: Introduction to APIs and REST Module 21: Serializers and Model Serializers Module 22: API Views and URL Routing Module 23: Authentication and Permissions Module 24: Pagination and Filtering Module 25: Versioning and Documentation Module 26: Advanced Features and Nested Resources Module 27: Testing and Debugging APIs Module 28: File Uploads and Media Handling Module 29: Advanced Authentication and Security

COURSE	COURSE CONTENT

WEB DESIGN WITH HTML, CSS, JAVASCRIPT & JQUERY

Module 1: Introduction to Web Design & HTML
Module 2: CSS Fundamentals
Module 3: Introduction to JavaScript
Module 4: Responsive Web Design with Bootstrap
Module 5: Advanced CSS and Animation
Module 6: JavaScript DOM Manipulation
Module 7: Interactive Web Design with jQuery

COURSE	COURSE CONTENT

PYTHON PROGRAMMING (BASIC)

Module 1: An Introduction to Python
Module 2: Beginning Python Basics
Module 3: Python Program Flow
Module 4: python object oriented programming
Module 5: Exceptions Handling
Module 6: File Handling
Module 7: Generators and iterators
Module 8: Advance Function

COURSE	COURSE CONTENT

REACT.JS FOR WEB DEVELOPMENT

Module 1: Introduction to React.js
Module 2: JSX (JavaScript XML)
Module 3. Components and Props
Module 4. State and Lifecycle
Module 5. Handling Events
Module 6. Conditional Rendering
Module 7. Lists and Keys
Module 8. Forms and User Input
Module 9. React Router
Module10. Managing State with Hooks
Module 11. Context API and State Management
Module 12. Working with APIs and AJAX
Module 13. Forms and Form Libraries
Module 14. React and Redux
Module 15. React and UI Libraries/Frameworks
Module 16. Testing React Applications
Module 17. Deployment and Optimization

COURSE	COURSE CONTENT

MOBILE APP DEVELOPMENT REACT NATIVE

Module 1. Introduction to React Native
Module 2. React Native Components and UI
Module 3. Navigation and Routing
Module 4. State and Props in React Native
Module 5. Handling User Input
Module 6. Working with Lists and FlatLists
Module 7. Fetching Data from APIs
Module 8. Styling and Layout
Module 9. Native Device Features and APIs
Module 10. Handling Images and Media
Module 11. Authentication and User Management
Module 12. State Management with Redux
Module 13. Offline Storage and Caching
Module 14. Testing and Debugging
Module 15. Building and Deploying React Native Apps
Module 16. Cross-Platform Development and Code Sharing
Module 17. Performance Optimization and App Monitoring

COURSE	COURSE CONTENT
JAVA PROGRAMMING	Module 1: Java Fundamentals Variables Data types Operators Control flow statement Methods Module 2: Object Oriented Programming(OOP) Classes and Objects Constructors Access Modifiers Encapsulation Inheritance Polymorphism Abstraction Compostion Static keyword Module 3: Exceptions Checked Exception Unchecked Exception Try and Catch blocks Customs Exceptions Exception channing Module 4: Collections List: ArrayList, LinkedList Set: HashSet, TreeSet, LinkedHashSet Map Module 5: Lambdas Functional Interface Stream API Method Reference Module 6: Spring Frameworks Spring Boot, Spring Security, Spring data jpa

COURSE	COURSE CONTENT
MACHINE LEARNING WITH PYTHON	Module 1: An Introduction to Python Module 2: Beginning Python Basics Module 3: Python Program Flow Module 4: python object oriented programming Module 5: Exceptions Handling Module 6: File Handling Module 7: Generators and iterators Module 8: Advance Module 9: Introduction To Numpy Module 10: Creating NumPy Array Module 11: NumPy Array Manipulation Module 12: NumPy Array and Random Data Module 13: Sorting and Searching in NumPy Array Module 14: Universal Functions in NumPy Array Module 15: Introduction to Pandas Module 16: Data Manipulation with Pandas Module 17: Data Cleaning and Preprocessing Module 18: Grouping Data Module 19: Advanced Topics in Pandas Module 20: Introduction to Matplotlib Module 21: Customizing Plots Module 22: Advanced Plotting Techniques Module 23: SEABORN Module 24: Customizing Seaborn Plots Module 25:Seaborn's plotting Module 26: Introduction to Machine Learning Module 27: Data Preprocessing and Exploratory Data Analysis (EDA) Module 28: Supervised Learning: Regression Module 29: Supervised Learning: Classification Module 30: Unsupervised Learning: Clustering Module 31: Unsupervised Learning: Dimensionality Reduction Module 32: Model Evaluation and Hyperparameter Tuning

COURSE	COURSE CONTENT
DATA SCIENCE WITH PYTHON	Module 1: An Introduction to Python Module 2: Beginning Python Basics Module 3: Python Program Flow Module 4: python object oriented programming Module 5: Exceptions Handling Module 6: File Handling Module 7: Generators and iterators Module 8: Advance Function Module 9: Introduction To Numpy Module 10: Creating NumPy Array Module 11: NumPy Array Manipulation Module 12: NumPy Array and Random Data Module 13: Sorting and Searching in NumPy Array Module 14: Universal Functions in NumPy Array Module 15: Introduction to Pandas Module 16: Data Manipulation with Pandas Module 17: Data Cleaning and Preprocessing Module 18: Grouping Data Module 19: Advanced Topics in Pandas Module 20: Introduction to Matplotlib Module 21: Customizing Plots Module 22: Advanced Plotting Techniques Module 23: SEABORN Module 24: Customizing Seaborn Plots Module 25:Seaborn's plotting

COURSE	COURSE CONTENT
DATA ANALYTICS (EXCEL, TABLEU, SQL, PYTHON & STAT)	Module 1: Introduction to Excel: Module 2: Formulas and functions Module 3:Data visualization in Excel: Module 4: Advanced Excel functions: Module 5: Statistical analysis using Excel: Module 6: Introduction to databases: Module 7: SELECT statement Module 8:Joins and subqueries: Module 9: Aggregation functions: Module 10: SQL project Module 11:Introduction to Tableau: Module 12: Creating basic visualizations: Module 13: Advanced visualizations: Module 14: Interactive dashboards: Module 15: Advanced Tableau features: Module 16: Tableau project Module 17: Introduction to Python Module 18: Control flow Module 19: Introduction to NumPy Module 20: Introduction to Pandas: Module 21: Data visualization with Matplotlib: Module 22: Statistical Analysis with Python: Module 23: Introduction to regression analysis: Module 24:Project:

COURSE	COURSE CONTENT
UI/UX	Module 1: Introduction to UI UX Design Module 2: User Research Module 3: Information Architecture Module 4: Wireframing and Prototyping Module 5: Visual Design Module 6: UI UX Tools Module 7: Project:

COURSE	COURSE CONTENT
(COMPTIA A+) IT TECHNICIAN	Module 1: Introduction to IT Technician Module 2: PC Hardware Module 3: Networking Module 4: Laptops Module 5: Printers Module 6: Operational Procedures Module 7: Operating Systems Module 5: Security Module 6: Mobile Devices Module 7: Troubleshooting

COURSE	COURSE CONTENT
WORDPRESS	Module 1: Introduction to WordPress Module 2: Web Hosting and Domain Considerations Module 3: Creating and Managing Content Module 4: Customizing the Website Module 5: Extending Functionality with Plugins Module 6: Introduction to Gutenberg Editor Module 7: Website Settings and Management Module 8: Managing Users and Permissions Module 9: Enhancing Site Functionality Module 10: Search Engine Optimization (SEO) Module 11: Building a Complete Website Module 12: Website Security and Maintenance Module 13: Website Optimization for Performance Module 14: Introduction to SEO for WordPress Module 15: Launching and Managing the Website

COURSE	COURSE CONTENT
CYBER SECURITY (CERTIFIED ETHICAL HACKING)	Module 01: Introduction to Ethical Hacking Module 02: Footprinting and Reconnaissance Module 03: Scanning Networks Module 04: Enumeration Module 05: Vulnerability Analysis Module 06: System Hacking Module 07: Malware Threats Module 08: Sniffing Module 09: Social Engineering Module 10: Denial-of-Service Module 11: Session Hijacking Module 12: Evading IDS, Firewalls, and Honeypots Module 13: Hacking Web Servers Module 14: Hacking Web Applications Module 15: SQL Injection Module 16: Hacking Wireless Networks Module 17: Hacking Mobile Platforms Module 18: IoT Hacking Module 19: Cloud Computing Module 20: Cryptography

COURSE	COURSE CONTENT

3D MODELLING AND ANIMATION

Module 1: Introduction to Photoshop
Module 2: Introduction to Cinema 4D
Module 3: Getting to know Character Creator and ZBrush
Module 4: Introduction to Iclone
Module 5: Making simple Animation

Software: Iclone, Character Creator, Cinema 4D, ZBrush, photoshop

COURSE	COURSE CONTENT
PROJECT MANAGEMENT (PMP & PRINCE2)	Module 1: What is PMP certification? / Why PMP Certification? / PMP exams Module 2: Advantages of PMP Certification? Module 3: Project Management Framework Module 4: Project Management Book Of Knowledge Module 5: Project Management Institute Module 6: Project Management Knowledge Area Module 7: What is a Project?/ Uses of Project / Ex of Project Module 8: Importance of Project Management / Project Management Methodology Module 9: Project, Program And Portfolio Module 10: PMBOK Guide Key Components Module 11: Project Life Cycle / Project vs. Product Life Cycle / Types of Development Lifecycle Module 12: Phase Gate / what is a Process? / Project Management Process Group Module 13: Project Management Business Documents Module 14: Project Success Measures Module 15: What is Prince2? Module 16: Prince2 benefits. Module 17: Prince2 Foundation & Practitioner Exams Details Module 18: Project Basics and Characteristics Module 19: Principles, Processes and Themes. Module 20: What makes a Project Prince2 Project?

COURSE	COURSE CONTENT
PRODUCT MANAGEMENT	Module 1. Introduction to Product Management: Module 2. Market Analysis and Research: Module 3. Strategic Planning: Module 4. Idea Generation and Concept Development: Module 5. Product Planning and Roadmapping: Module 6. Agile Methodology: Module 7. User Experience (UX) and Design Thinking: Module 8. Development and Launch: Module 9. Marketing and Promotion: Module 10. Metrics and Analytics: Module 11. Stakeholder Communication: Module 12. Product Lifecycle Management:

COURSE	COURSE CONTENT

C# (C-SHARP) PROGRAMMING

Build, Test and deploy modern Desktop & Web Applications using .Net framework.

In this course you will learn the following:
Module 1: How to get stared with c#
Module 2: Working with Visual Studio
Module 3: DotNet architecture and framework
Module 4: DotNet libraries
Module 5: Working with Data using Entity framework and SQL server
Module 6: Building API.
Module 7: Building full fleshed Desktop and Web Applications

COURSE	COURSE CONTENT
COMPUTER NETWORKING (CISCO CCNA)	Module 1: Network Fundamentals: Basics of networking concepts and protocols. OSI and TCP/IP models. IPv4 and IPv6 addressing. Subnetting and supernetting. Module 2: Routing Technologies: Routing concepts and protocols (RIP, EIGRP, OSPF). Static and dynamic routing. Route summarization and filtering. Path control and route optimization. Module 3: Switching Technologies: Ethernet LAN switching concepts. VLANs and inter-VLAN routing. Spanning Tree Protocol (STP). EtherChannel and HSRP. Module 4: Wireless LANs: Basics of wireless networks. Configuring and securing a WLAN. Module 5: Security Fundamentals: Network security concepts. Implementing and verifying network security. Securing administrative access. Module 6: WAN Technologies: WAN concepts and technologies. Configuring serial connections. VPN and GRE tunneling. Module 7: Infrastructure Services: DHCP (Dynamic Host Configuration Protocol). DNS (Domain Name System). SNMP (Simple Network Management Protocol). Module 8: Infrastructure Maintenance: Network device monitoring. Troubleshooting network issues. Device maintenance and management. Module 9: Network Automation and Programmability (Optional): Basics of automation and programmability using Python. Configuration management tools like Ansible.

Recommended Certification Bodies

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