DLK
SOFTWARE SOLUTIONS

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ONE / TWO-DAY WORKSHOP PROGRAM

Workshop Overview

DLK Software Solutions offers structured, interactive workshops designed to provide practical industry exposure, real-world learning, and essential technical skills development.

These Workshops Are Suitable For

- ☑ Engineering & Diploma Students
- ☑ Arts & Science Students
- ☑ Recent Graduates and Job Seekers

Sessions Are Available For

- ☑ **Hourly-Based Model** (2, 4, 6 hours per day)
- ☑ **Day-Based Model** (1-day or 2-day workshop)

Key Highlights

- ☑ Practical sessions, activities, and live project exposure
- ☑ Certificates upon successful completion
- ☑ Industry insights and career development guidance
- ☑ Flexible durations and pricing
- ☑ Group discounts for colleges and student batches

Workshop Models

Hourly-Based Pricing (₹250 per student per 2 hours)

DURATION	COST PER STUDENT	NOTES
2 Hours	₹250	Introductory session / awareness session
4 Hours	₹700	Half-day workshop with hands-on activities
6 Hours	₹750	Full-day intensive workshop

Day-Based Pricing

DAYS	TOTAL HOURS	COST PER STUDENT
1 Day	6 Hours	₹750
2 Day	12 Hours	₹1500

Group Discounts

GROUP SIZE	DISCOUNT OFFERED
11 – 20 Students	5% discount
21 – 40 Students	10% discount
41+ Students	15% Discount + Bonus Certificate Pack

Customized quotes available for institutions or campus-level events ***Inclusions***

- ☑ Professional trainers
- ☑ Certificates of participation
- ☑ Group tasks and live demonstrations
- ☑ Optional: Internship and career pathway briefings

Interested in Organizing a Workshop?

We offer flexible scheduling and custom plans for colleges, departments, and training cells.

INTERNSHIP PROGRAM OUTLINE (ONLINE & OFFLINE)

Program Objective

Our internship program helps students build hands-on skills, gain industry exposure, and complete academic requirements like mini-projects or final-year preparation - all under daily guidance from an assigned staff mentor.

Key Features

- ☑ Dedicated staff support (daily mentoring)
- ☑ Daily activities/tasks with learning goals
- ☑ Real-time project exposure (individual/group-based)
- ☑ Soft skill & career grooming sessions
- ☑ Certificate & internship report provided
- ☑ Flexible timing: **Online or In-Person (Chennai Office)**

Internship Duration Models

DURATION	HOURS PER DAY	IDEAL FOR
1 Day	4 - 6 Hours	Orientation + Practical Exposure
5 Day	2 - 4 Hours	Crash Internship + Mini Task
10 Day	2 - 4 Hours	Concept + Hands-On Project
15 Day	2 - 4 Hours	Deeper Skills + Basic Project
20 Day	2 - 3 Hours	Multi-Topic Training + Team Tasks
30 Day	2 - 3 Hours	Full Module + Resume/Interview Help

Workshop Models

1 - Day Internship

- ☑ Company Orientation
- ☑ Introductory Technical Session
- ☑ Mini Hands-on Task or Guided Walkthrough
- ☑ Certificate Issued

5 - Day Internship

- ☑ Day 1: Orientation + Tools Setup
- ☑ Day 2 - 3: Concept Building + Daily Tasks
- ☑ Day 4: Mini Project
- ☑ Day 5: Review + Certificate

10–30 Days Internship Model (Flexible)

PHASE	ACTIVITY
Week 1	Foundation Skills, Tools Setup, Basics
Week 2	Module-Wise Training + Task Implementation
Week 3	Minor Project / Team Project Begins
Week 4 (30-day)	Final Project Completion + Career Sessions
Final Day	Project Submission + Feedback + Certificate

Pricing Recommendation (Flexible by Duration)

*Assume base cost starts at **₹250 Per 2 Hours Per Student**, with daily sessions:*

DURATION	ESTIMATED COST (PER STUDENT)	NOTES
1 Day	₹500 - ₹750	Full - Day Mentorship + Tasks
5 Days	₹1,250 - ₹1,500	Daily Task - Based Sessions
10 Days	₹2,500 - ₹3,000	With Project + Reporting
15 Days	₹3,750 - ₹4,000	Intermediate Project & Review
20 Days	₹5,000 - ₹5,500	Extended Training
30 Days	₹7,000 - ₹8,000	Full Internship + Career Support

GROUP DISCOUNTS AVAILABLE FOR COLLEGE OR BATCH ENROLLMENT.

Staff Assignment Model

- ☑ One Trainer / Staff is Assigned Per Batch or Group (Daily)
- ☑ Interaction through:
  - Zoom/Meet for online
  - DLK office for offline
- ☑ Daily Attendance & Task Tracking
- ☑ Reports Generated Weekly (If Needed For College Submission)

Deliverables

- ☑ Daily learning schedule
- ☑ Internship certificate (DLK Branded)
- ☑ Internship report (if requested)
- ☑ Guidance for college project/demo
- ☑ Career and resume sessions for 20–30 day interns

AWS IN - 3 MONTHS

Amazon Web Services (AWS) is a cloud computing platform that offers on-demand services like computing, storage, databases, networking, machine learning, and security. It provides scalability, flexibility, and cost efficiency, allowing businesses to build and deploy applications globally. Key services include EC2 (virtual servers), S3 (cloud storage), RDS (Managed Databases), Lambda (Serverless Computing) and VPC (Network). AWS is widely used for web hosting, big data processing, AI/ML, DevOps, and IoT. It follows a pay-as-you-go pricing model with a Free Tier for beginners.

Who Should Enroll?

This AWS 3-Month Course is designed for:

- ☑ Beginners who want to start a career in cloud computing
- ☑ IT Professionals & System Administrators looking to upskill in AWS
- ☑ Software Developers & DevOps Engineers interested in cloud-based applications
- ☑ Data Analysts & Engineers working with cloud storage and databases
- ☑ Entrepreneurs & Startups wanting to host applications in AWS at a low cost
- ☑ Students & Freshers preparing for AWS certifications and job opportunities

What You'll Learn?

By the end of this course, you will:

- ☑ Understand AWS fundamentals and cloud computing concepts
- ☑ Set up and manage AWS Free Tier services efficiently
- ☑ Deploy and manage EC2 instances (virtual servers)
- ☑ Store and retrieve data using S3, RDS, and DynamoDB
- ☑ Configure networking using VPC, Load Balancers, and Security Groups
- ☑ Monitor, optimize, and secure AWS resources
- ☑ Work with Serverless Computing (AWS Lambda, API Gateway, SQS, SNS)
- ☑ Gain hands-on experience in AWS services for real-world projects

Career Outcomes

After completing this AWS course, you will be equipped with in-demand cloud computing skills and qualify for various job roles, including:

- ☑ Cloud Engineer - Deploy and manage cloud infrastructure on AWS
- ☑ AWS Solutions Architect - Design scalable, cost-effective cloud solutions
- ☑ DevOps Engineer - Automate cloud deployments and CI/CD pipelines
- ☑ Cloud Support Engineer - Provide technical support for AWS services
- ☑ SysOps Administrator - Manage cloud security, networking, and monitoring
- ☑ Data Engineer - Work with AWS data storage, analytics, and big data services
- ☑ Software Developer (Cloud-Based) Build and deploy applications on AWS
- ☑ Freelancer / Consultant - Offer cloud solutions to businesses
- ☑ Entrepreneur - Host and scale your own applications using AWS

With AWS being the #1 cloud provider globally, these roles offer high salaries, remote job opportunities, and career growth.

Month 1: AWS Fundamentals & Core Services

- ☑ AWS Account Setup & Cost Management (Free Tier)
- ☑ Compute Services (EC2) – Free Usage
- ☑ Storage Services (S3 & EBS) – Free Usage
- ☑ Identity & Access Management (IAM) – Free Usage
- ☑ Host a static website using S3
- ☑ Configure an IAM role for EC2 with limited access
- ☑ Launch and connect an EC2 instance with a web server (Apache/Nginx)

Month 2: Networking, Databases & Security

- ☑ Networking & Load Balancing (Free Tier)
- ☑ Database Services - Free Usage
- ☑ Security & Monitoring - Free Usage
- ☑ Deploy a WordPress website using EC2 & RDS
- ☑ Set up a VPC with security configurations
- ☑ Configure CloudWatch Logs & Alarms for EC2 monitoring

Month 3: Serverless, Automation & DevOps

- ☑ Serverless Computing - Free Usage
- ☑ Messaging & Event-driven Architecture - Free Usage
- ☑ Cost Optimization & Monitoring - Free Usage
- ☑ Deploy a serverless function using AWS Lambda
- ☑ Automate backups using S3 lifecycle policies
- ☑ Configure CloudWatch Metrics for resource monitoring

What You'll Achieve in AWS Free Tier

- ☑ **Hands-on AWS experience** without exceeding Free Tier limits
- ☑ Basic cloud computing, networking, security & serverless skills
- ☑ **Real-world projects** for AWS certifications & job readiness

Career Outcomes (After Completing AWS 3-Month Course)

- ☑ **Cloud Engineer** - Deploy and manage cloud infrastructure on AWS
- ☑ **AWS Solutions Architect** - Design scalable, cost-effective cloud solutions
- ☑ **DevOps Engineer** - Automate cloud deployments and CI/CD pipelines
- ☑ **Cloud Support Engineer** - Provide technical support for AWS services
- ☑ **SysOps Administrator** - Manage cloud security, networking, and monitoring
- ☑ **Data Engineer** - Work with AWS data storage, analytics, and big data services
- ☑ **Software Developer (Cloud-Based)** - Build and deploy applications on AWS
- ☑ **Freelancer / Consultant** - Offer cloud solutions to businesses
- ☑ **Entrepreneur** - Host and scale your own applications using AWS

FULL STACK ADVANCED WEB DEVELOPMENT COURSE

WORDPRESS, ANGULAR JS, NODE JS, REACT JS (6 MONTHS)

This **6-month program** is designed for individuals who already have a basic understanding of web development and want to advance their skills in building modern, full-stack web applications. The course covers popular technologies including WordPress, Angular JS, Node JS, and React JS, ensuring that you gain both front-end and back-end proficiency.

Who Should Enroll?

This course is ideal for:

- ☑ Developers who want to upgrade their skills with advanced web technologies
- ☑ Full-stack developers looking to deepen their expertise
- ☑ Aspiring React, Angular, and Node.js developers
- ☑ Web designers who want to learn full-stack development
- ☑ Individuals wanting to learn WordPress as a content management system (CMS) for building websites

What You'll Learn?

- ☑ **WordPress Development** - Theme customization, plugin development, and site management
- ☑ **Angular JS** - Building dynamic, single-page applications (SPA)
- ☑ **Node JS** - Server-side JavaScript for building scalable applications
- ☑ **React JS** - Creating interactive user interfaces (UI) with a component-based architecture
- ☑ **Version Control** - Using Git for managing and collaborating on code

Tools & Technologies Covered

- ☑ **WordPress** (Theme Customization, Plugin Development)
- ☑ **Angular JS** (SPA Development, Routing, Directives)
- ☑ **Node JS** (Backend Development, Express.js, API Development)
- ☑ **React JS** (Component-Based Architecture, State Management, Redux)
- ☑ **Git/GitHub** (Version Control)
- ☑ **MongoDB** (NoSQL Database)
- ☑ **Deployment** (Heroku, AWS)

Career Outcomes

After completing this course, you will be capable of:

- ☑ Building Full-Stack Web Applications
- ☑ Developing with WordPress
- ☑ Creating Dynamic Websites with React and Angular
- ☑ Working with RESTful APIs and Databases
- ☑ Becoming a Full-Stack Developer

You'll be equipped with the knowledge to build both the front-end and back-end of web applications, using popular tools and frameworks like Node.js, React, Angular, and WordPress.

Course Structure (Month-wise Breakdown)

Month 1: WordPress Development

- Introduction to WordPress
- Developing WordPress Plugins
- WordPress Security and Maintenance

Month 2: Introduction to Angular JS

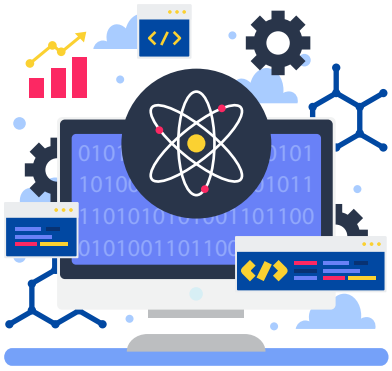
- Overview of Angular JS
- Building Components in Angular JS

Month 3: Advanced Angular JS

- Routing and Navigation in Angular JS
- AngularJS Services and HTTP Requests
- Testing AngularJS Applications

Month 4: Introduction to Node JS

- What is Node JS?
- Working with Express JS
- Database Integration with Node JS



Month 5: Introduction to React JS

- Overview of React JS
- React JS Component Lifecycle
- Managing State with React

Month 6: Full-Stack Integration & Final Project

- Connecting Frontend (React) with Backend (Node JS)
- Git and Version Control
- Final Project: Building a Full-Stack Web Application

FULL STACK ANDROID DEVELOPMENT USING JAVA – 6 MONTHS

This 6-month program is designed for learners who want to master Android App Development using Java. The course covers front-end UI/UX design, back-end development, database management, and deploying Android applications to the Google Play Store.

Who Should Enroll?

- ☑ Beginners & Professionals interested in Android Development
- ☑ Students pursuing careers in Mobile App Development
- ☑ Developers who want to master Java for Android
- ☑ Anyone looking to publish apps on the Google Play Store

What You'll Learn

- ☑ Android UI & UX Design – XML, Material Design, Jetpack Components
- ☑ Core Java & Android SDK – Object-Oriented Programming, Android APIs
- ☑ Database Management – SQLite, Firebase, Room Database
- ☑ Back-End Development – REST APIs, JSON, Retrofit, MVVM Architecture
- ☑ Advanced Android Concepts – Jetpack Libraries, Dependency Injection
- ☑ Play Store Deployment & App Monetization

Tools & Technologies Covered

- ☑ Programming Language: Java
- ☑ Android Development: Android Studio, Android SDK, XML
- ☑ Databases: SQLite, Room Database, Firebase
- ☑ APIs & Networking: REST APIs, JSON, Retrofit
- ☑ UI/UX Design: Material Design, Jetpack Components
- ☑ Security & Optimization: Firebase Authentication, Encryption, Performance Tuning

Career Outcomes

After completing this course, you'll be able to:

- ☑ Develop Full-Stack Android Applications
- ☑ Work as an Android Developer in the Industry
- ☑ Publish & Monetize Apps on Google Play Store
- ☑ Secure, Optimize, and Debug Android Applications

Course Structure (Month-wise Breakdown

Month 1

Introduction to Android & Java Programming

- ☑ Fundamentals of Java for Android
- ☑ Android Basics & Environment Setup
- ☑ User Interface (UI) & Layouts in Android

Month 2

Android Components & Activities

- ☑ Understanding Android Activity Lifecycle
- ☑ Material Design & UI Enhancements
- ☑ Event Handling & User Interaction

Month 3

Working with Databases & APIs

- ☑ SQLite Database for Android
- ☑ Firebase Realtime Database & Firestore
- ☑ REST APIs & JSON Parsing

Month 4

Advanced Android Concepts

- ☑ MVVM Architecture & Jetpack Components
- ☑ Dependency Injection (Dagger & Hilt)
- ☑ Push Notifications & Background Services

Month 5

Android App Security & Performance Optimization

- ☑ Securing Android Applications
- ☑ App Performance & Battery Optimization
- ☑ Unit Testing & Debugging Android Apps

Month 6

Final Project & Play Store Deployment

- ☑ Building a Full-Stack Android Application
- ☑ Publishing Android Apps on Google Play Store
- ☑ Final Project & Certification

FULL STACK EMBEDDED SYSTEMS DEVELOPMENT – 6 MONTHS

This **6-month** program is designed for learners who want to master **Embedded Systems Development** using **Embedded C, Microcontrollers, IoT, and Linux Internals.** The course covers **hardware programming, firmware development, IoT integration, and real-world projects,** making you industry-ready.

Who Should Enroll?

- ☑ Electronics, Electrical, and Computer Engineering Students
- ☑ Beginners and Professionals interested in Embedded Systems
- ☑ Developers who want to master IoT and Microcontroller Programming
- ☑ Anyone looking to build Smart Embedded Systems

What You'll Learn

- ☑ Microcontrollers & Embedded C Programming – Intel 8051, ARM, Arduino, ESP8266, Raspberry Pi
- ☑ Linux Internals & RTOS – Kernel, System Calls, File Handling, Device Drivers
- ☑ IoT Development – Connecting Microcontrollers with IoT Platforms
- ☑ Hardware & Firmware Development – C, C++, Embedded C, Embedded C++
- ☑ Sensor Interfacing & Wireless Communication – UART, I2C, SPI, WiFi, Bluetooth

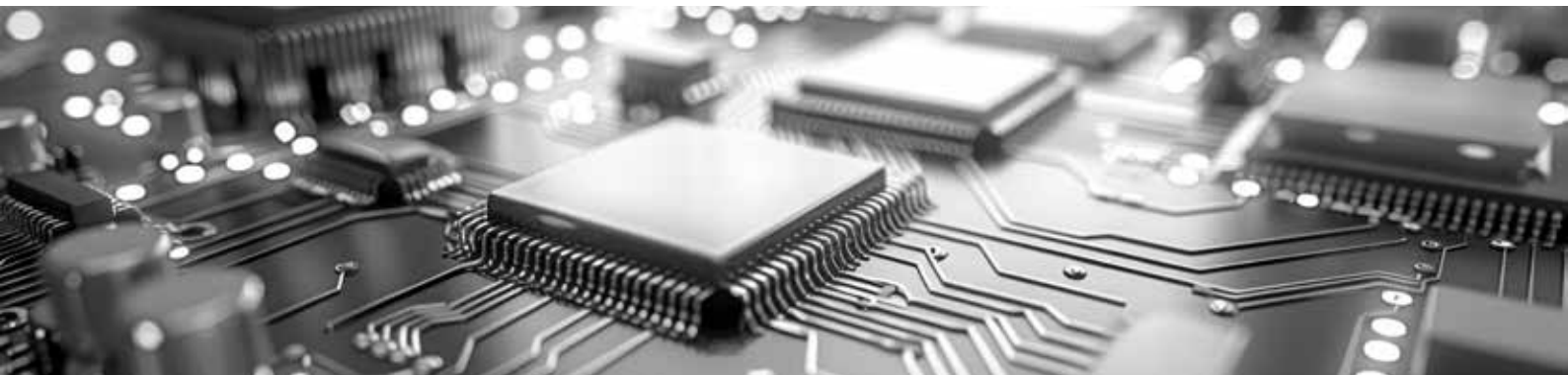
Tools & Technologies Covered

- ☑ **Programming Languages:** Embedded C, Embedded C++, Python
- ☑ **Microcontrollers:** Intel 8051, ARM Cortex, Arduino, ESP8266
- ☑ **Development Boards:** Raspberry Pi, Arduino Uno, ESP8266
- ☑ **Operating Systems:** Linux for Embedded Systems
- ☑ **Communication Protocols:** UART, I2C, SPI, WiFi, Bluetooth, Zigbee
- ☑ **IoT Platforms:** MQTT, AWS IoT, Google Firebase, ThingSpeak

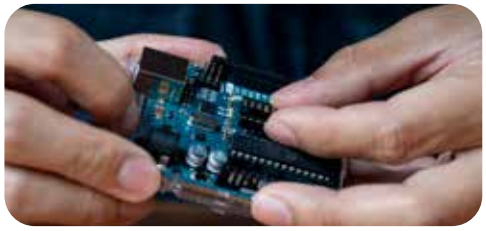
Career Outcomes

After completing this course, you'll be able to:

- ☑ Develop Full-Stack Android Applications
- ☑ Work as an Android Developer in the Industry
- ☑ Publish & Monetize Apps on Google Play Store
- ☑ Secure, Optimize, and Debug Android Applications



Course Structure (Month-wise Breakdown)



Month 1

Embedded C & Microcontroller Basics

- ☑ Introduction to Embedded Systems
- ☑ Programming in Embedded C
- ☑ Intel 8051 Architecture & Programming

Month 2

Microcontrollers – Arduino & ESP8266

- ☑ Arduino Microcontroller
- ☑ ESP8266 WiFi Module
- ☑ Interfacing with Sensors & Modules

Month 3

Working with Databases & APIs

- ☑ Raspberry Pi for Embedded Applications
- ☑ Linux Internals for Embedded Systems
- ☑ Linux Device Drivers & Kernel Programming

Month 4

ARM Microcontrollers & Advanced C++

- ☑ ARM Cortex Architecture
- ☑ Embedded C++ & Object-Oriented Programming
- ☑ Embedded Firmware Development

Month 5

IoT & Wireless Communication

- ☑ IoT Fundamentals & Protocols
- ☑ Communication Protocols in Embedded Systems
- ☑ IoT Projects with Embedded Systems

Month 6

Full Stack Embedded Project & Deployment

- ☑ Designing an Embedded System from Scratch
- ☑ Building a Full-Stack IoT Application
- ☑ Final Project & Certification

FULL STACK JAVA DEVELOPER COURSE – 6 MONTHS

This **6-month program** is designed for individuals looking to master **Full Stack Development** using Java. The course covers **Frontend Development, Backend Development, Databases, and Frameworks** like **Spring Boot and Hibernate,** equipping learners with the skills to build **end-to-end web applications.**

Who Should Enroll?

- ☑ Beginners who want to build a career as a **Java Full Stack Developer**
- ☑ Frontend Developers wanting to expand into **Backend Development**
- ☑ Backend Developers who want to master **Spring Boot and Hibernate**
- ☑ Anyone looking to develop scalable **web applications**

What You'll Learn

- ☑ **Java Basics & Core Java** - OOP concepts, data structures, exception handling
- ☑ **Advanced Java** - Servlets, JSP, multithreading
- ☑ **Spring Boot & Hibernate** - Building secure web applications
- ☑ **Database Management with MySQL** - Writing optimized queries
- ☑ **Frontend Development** - HTML, CSS, JavaScript for UI design
- ☑ **RESTful API Development** - Backend API creation with Spring Boot

Tools & Technologies Covered

- ☑ **Programming Languages:** Java (Core & Advanced)
- ☑ **Frontend:** HTML, CSS, JavaScript
- ☑ **Backend:** Spring Boot, Hibernate, Servlets, JSP
- ☑ **Database:** MySQL, JDBC
- ☑ **Version Control:** Git, GitHub

Career Outcomes

After completing this course, you'll be able to:

- ☑ Develop Full-Stack Java Applications
- ☑ Build RESTful APIs with Spring Boot
- ☑ Integrate Frontend & Backend in Java Applications
- ☑ Work as a Java Developer, Backend Developer, or Full Stack Developer

Course Structure (Month-wise Breakdown)

Month 1

Java Basics & Core Java

- ☑ Introduction to Java Programming
- ☑ Object-Oriented Programming (OOPs) in Java
- ☑ Java Collections & Exception Handling
- ☑ File Handling in Jav

Month 2

Advanced Java & Multithreading

- ☑ Multithreading in Java
- ☑ Java Database Connectivity (JDBC)
- ☑ Servlets & JSP (Java Server Pages)

Month 3

Frontend Development

- ☑ HTML & CSS Basics
- ☑ JavaScript for Web Development
- ☑ Integrating Java Backend with Frontend

Month 4

Spring Boot & Hibernate (Backend Development)

- ☑ Introduction to Spring Boot Framework
- ☑ Spring Boot REST API Development
- ☑ Spring Boot Security & Authentication

Month 5

Hibernate & MySQL Database

- ☑ Introduction to Hibernate ORM
- ☑ Mapping Relationships in Hibernate
- ☑ Working with MySQL in Java Applications
- ☑ Spring Boot + Hibernate Integration

Month 6

Full Stack Development & Project

- ☑ Connecting Frontend & Backend
- ☑ Final Project: Building a Full-Stack Java Application

FULL STACK PYTHON DEVELOPER COURSE (6 MONTHS)

This 6-month comprehensive program is designed to make you a proficient Full Stack Developer with a focus on Python, SQL, Django, and both Basic and Advanced Python concepts. The course covers all the necessary skills for building both the frontend and backend of web applications, enabling you to handle both the client-side and server-side development

Who Should Enroll?

This course is ideal for:

- ☑ Beginners looking to start a career in Full Stack Web Development
- ☑ Python developers wanting to learn web development
- ☑ Developers who want to learn backend technologies like Django
- ☑ Students looking for hands-on learning in web app development

What You'll Learn

- ☑ Basic Python – Variables, Data Types, Conditionals, Loops
- ☑ Advanced Python – Object-Oriented Programming (OOP), Decorators, Generators, Modules
- ☑ SQL & Databases – SQL queries, joins, aggregation, database design
- ☑ Frontend Development – HTML, CSS, JavaScript (for creating dynamic web pages)
- ☑ Backend Development with Django – Django MVC Architecture, Models, Views, Templates
- ☑ Building REST APIs – Creating and consuming APIs using Django REST Framework
- ☑ Authentication and Authorization – User authentication, security best practices

Tools & Technologies Covered

- ☑ **Python** (Basic & Advanced)
- ☑ **Django** (MVC Architecture, Django REST Framework)
- ☑ **SQL** (MySQL, PostgreSQL, SQLite)
- ☑ **HTML, CSS, JavaScript**
- ☑ **Git & GitHub**

Career Outcomes

Upon completion, you can apply for roles like:

- ☑ Full Stack Developer
- ☑ Backend Developer
- ☑ Frontend Developer
- ☑ Django Developer
- ☑ Web Application Developer

Course Structure (Month-wise Breakdown)

Month 1

Introduction to Python (Basic)

- ☑ Basic Python
- ☑ Introduction to SQ

Month 2

Advanced Python & SQL

- ☑ Advanced Python
- ☑ Advanced SQL

Month 3

Web Development Basics & Frontend Technologies

- ☑ Introduction to Web Development
- ☑ Version Control with Git & GitHu

Month 4

Django Framework Basics

- ☑ Introduction to Django
- ☑ Django ORM & Database Management

Month 5

Backend Development & APIs

- ☑ Creating REST APIs with Django REST Framework
- ☑ Security in Django

Month 6

Deployment & Project Development

- ☑ Building Full-Stack Projects
- ☑ Capstone Project

FULL STACK WEB DESIGN DEVELOPMENT COURSE - (6 MONTHS)

This 6-month program is designed for beginners and aspiring web developers to master front-end web design technologies. The course focuses on the core technologies for building responsive and visually appealing websites, from the basics of HTML and CSS to advanced JavaScript, jQuery, and web design principles. By the end of the course, you will be capable of building interactive and dynamic websites and web applications.

Who Should Enroll?

This course is perfect for:

- ☑ Beginners who want to get into web development
- ☑ Aspiring front-end developers looking to learn key web design tools
- ☑ Design enthusiasts who want to build functional websites with clean design
- ☑ Developers who want to expand their skills with web design technologies

What You'll Learn

- ☑ HTML (Hypertext Markup Language) – Structure of web pages
- ☑ CSS (Cascading Style Sheets) – Styling and layout techniques
- ☑ JavaScript – Interactive elements and client-side scripting
- ☑ jQuery – Simplifying JavaScript tasks and animations
- ☑ Web Design Principles – Responsive design, user experience (UX), and accessibility
- ☑ Version Control – Git and GitHub for collaboration

Tools & Technologies Covered

- ☑ **HTML** (Hypertext Markup Language)
- ☑ **CSS** (Cascading Style Sheets)
- ☑ **JavaScript** (Core Web Programming Language)
- ☑ **jQuery** (JavaScript Library for DOM Manipulation)
- ☑ **Responsive Design** (Mobile-first approach, Flexbox, Grid)
- ☑ **Git/GitHub** (Version Control)
- ☑ **Web Hosting Platforms** (GitHub Pages, Netlify)

Career Outcomes

After completing this course, you will be equipped to apply for the following positions:

- ☑ Front-End Web Developer
- ☑ Web Designer
- ☑ UI/UX Developer
- ☑ JavaScript Developer
- ☑ Website Developer

Course Structure (Month-wise Breakdown)

Month 1

HTML Fundamentals

- ☑ Introduction to HTML
- ☑ HTML Forms and Input Elements

Month 2

CSS Fundamentals

- ☑ Introduction to CSS
- ☑ Responsive Design

Month 3

Advanced CSS & Introduction to Web Design Principles

- ☑ Advanced CSS Techniques
- ☑ Web Design Principles

Month 4

JavaScript Basics

- ☑ Introduction to JavaScript
- ☑ JavaScript Data Structures and Algorithms

Month 5

Introduction to jQuery & Advanced JavaScript

- ☑ Introduction to jQuery
- ☑ Advanced JavaScript

Month 6

Final Project, Git & Deployment

- ☑ Capstone Project
- ☑ Version Control with Git and GitHub
- ☑ Deployment

MASTER IN ARTIFICIAL INTELLIGENCE – COURSE

This Master in Artificial Intelligence course is structured to provide a deep understanding of AI, from foundational concepts to advanced topics like machine learning, deep learning, natural language processing, and computer vision. Each month will focus on a specific area of AI to help you build both theoretical knowledge and hands-on experience.

Who Should Enroll?

This course is ideal for:

- **Aspiring AI Engineers/Developers:** Individuals interested in starting a career in AI, machine learning, and deep learning.
- **Data Scientists:** Professionals looking to enhance their knowledge and skills in artificial intelligence to apply in real-world scenarios.
- **Software Engineers:** Developers who want to dive into AI-driven projects and enhance their existing skill set.
- **Engineers from Non-IT Backgrounds:** Individuals who have an engineering background and want to transition into AI/ML fields.
- **Data Analysts:** Analysts looking to gain expertise in machine learning and AI to elevate their careers.
- **Graduates/Students:** Individuals who want to build expertise in AI and land AI-related roles.

What You'll Learn

- Python for Data Science – Data manipulation with Pandas & NumPy
- Statistics & Probability – Hypothesis testing, regression, distributions
- Excel & Power BI – Data visualization, pivot tables, dashboards
- SQL & Data Handling – Querying databases, joins, aggregations
- Machine Learning – Regression, classification, clustering
- Deep Learning – Neural networks, CNNs, NLP fundamentals
- LLMs & AI – Transformers, BERT, GPT, chatbot fundamentals
- Capstone Project – Real-world project with industry standards

Course Duration & Mode

- **Duration:** 6 months
- **Mode:** Online / Hybrid / Offline (as per institute policy)
- **Learning Format:** Instructor-led live sessions, recorded lectures, projects, assessments

Career Outcomes

Upon completion, you can apply for roles like:

- Data Scientist
- Machine Learning Engineer
- AI Engineer
- Data Analyst
- Business Intelligence Analyst

This course prepares you for real-world data science challenges, ensuring a smooth career transition.

Course Structure (Month-wise Breakdown)

Month 1

Foundations of Data Science

- ☑ Introduction to Data Science & Tools
- ☑ Python for Data Science
- ☑ Statistics & Probability
- ☑ Excel for Data Analysis

Month 2

Data Handling & Visualization

- ☑ SQL for Data Science
- ☑ Data Wrangling & Preprocessing
- ☑ Data Visualization with Matplotlib, Seaborn & Power BI

Month 3

Machine Learning (ML) – Supervised Learning

- ☑ Introduction to Machine Learning
- ☑ Regression & Classification Models

Month 4

Machine Learning (ML) – Unsupervised Learning & Model Optimization

- ☑ Clustering & Dimensionality Reduction
- ☑ Time Series Forecasting

Month 5

Deep Learning & LLM Basics

- ☑ Introduction to Deep Learning
- ☑ Convolutional Neural Networks (CNNs)
- ☑ Natural Language Processing (NLP) & Basics of LLMs

Month 6

Capstone Project

- ☑ Capstone Project
- ☑ End-to-End Data Science Project
- ☑ Presentation & Deployment

MASTER IN DATA ANALYTICS – COURSE DESCRIPTION

The Master in Data Analytics is a 6-month intensive program designed to equip learners with industry relevant skills in data analysis, business intelligence, statistical modelling, visualization & machine learning. This course focuses on Python, Excel, SQL, Power BI and basic Machine Learning (ML) techniques to extract insights, optimize business decisions, and drive data-driven strategies.

Through hands-on projects, case studies, and real-world applications, learners will gain practical expertise in analysing complex datasets, creating impactful visualizations, and using AI-based analytics. The course includes a graded certification, ensuring credibility in the industry.

Who Should Enroll?

This course is ideal for:

- ☑ Beginners & professionals looking to transition into data analytics
- ☑ Business analysts, engineers, and marketers wanting data-driven insights
- ☑ Data enthusiasts seeking hands-on analytics experience
- ☑ Students & graduates aiming for a career in analytics

What You'll Learn

- ☑ Excel for Data Analytics – Pivot tables, advanced formulas, data cleaning
- ☑ SQL & Database Management – Queries, joins, aggregations, optimization
- ☑ Python for Data Analytics – Pandas, NumPy, Matplotlib, Seaborn
- ☑ Statistics & Data Interpretation – Hypothesis testing, regression, distributions
- ☑ Power BI & Tableau – Dashboard creation, KPI tracking, reporting
- ☑ Machine Learning for Analytics – Predictive modelling, clustering, forecasting
- ☑ Big Data Fundamentals – Hadoop, Spark, cloud-based analytics
- ☑ Capstone Project – Real-world data analytics project

Tools & Technologies Covered

- ☑ Excel & Power BI
- ☑ SQL (MySQL, PostgreSQL, Snowflake)
- ☑ Python (Pandas, NumPy, Matplotlib, Seaborn, Scikit-Learn)
- ☑ Machine Learning Algorithms
- ☑ Big Data (Hadoop, Spark, Cloud Computing – AWS/Azure)

Career Outcomes

Upon completion, you can apply for roles like:

- ☑ Data Analyst
- ☑ Business Intelligence Analyst
- ☑ Marketing Analyst
- ☑ Financial Analyst
- ☑ Operations Analyst

Would you like to add more domain-specific case studies like Retail, Healthcare, or Supply Chain Analytics?

Course Structure (Month-wise Breakdown)

Month 1

Foundation of Data Analytics

- ☑ Introduction to Data Analytics
- ☑ Excel for Data Analysis
- ☑ Introduction to SQL & Databases

Month 2

Statistics & Python for Data Analysis

- ☑ Statistics for Data Analytics
- ☑ Python for Data Analytics

Month 3

Data Visualization & Business Intelligence

- ☑ Power BI & Tableau for Visualization
- ☑ Advanced Excel for Business Analytics

Month 4

Machine Learning for Analytics

- ☑ Introduction to Machine Learning
- ☑ Advanced SQL for Analytics

Month 5

Big Data & Cloud Analytics

- ☑ Big Data Concepts & Tools
- ☑ Text Analytics & NLP Basic

Month 6

Capstone Project & Industry Applications

- ☑ Real-World Case Studies & Projects
- ☑ Capstone Project
- ☑ Resume Building & Interview Preparation

MASTER IN DATA SCIENCE – COURSE DESCRIPTION

The Master in Data Science is a 6-month intensive program designed to equip learners with the essential skills and knowledge to excel in the field of data science. This course covers Python, Statistics, Machine Learning (ML), Deep Learning (DL), Excel, SQL, Power BI, and Large Language Models (LLMs), providing a comprehensive understanding of data handling, analysis, visualization, and AI-driven solutions.

Through hands-on projects, case studies, and real-world applications, learners will gain practical experience in data science tools and techniques. The course includes graded certification, ensuring credibility in the industry.

Who Should Enroll?

This course is ideal for:

- ☑ Beginners & professionals looking to transition into data science
- ☑ Data analysts, engineers, or software developers
- ☑ AI & ML enthusiasts seeking hands-on learning
- ☑ Students & graduates aiming for a career in data science

What You'll Learn

- ☑ Python for Data Science – Data manipulation with Pandas & NumPy
- ☑ Statistics & Probability – Hypothesis testing, regression, distributions
- ☑ Excel & Power BI – Data visualization, pivot tables, dashboards
- ☑ SQL & Data Handling – Querying databases, joins, aggregations
- ☑ Machine Learning – Regression, classification, clustering
- ☑ Deep Learning – Neural networks, CNNs, NLP fundamentals
- ☑ LLMs & AI – Transformers, BERT, GPT, chatbot fundamentals
- ☑ Capstone Project – Real-world project with industry standards

Career Outcomes

Upon completion, you can apply for roles like:

- ☑ Data Scientist
- ☑ Machine Learning Engineer
- ☑ AI Engineer
- ☑ Data Analyst
- ☑ Business Intelligence Analyst

This course prepares you for real-world data science challenges, ensuring a smooth career transition.

Course Structure (Month-wise Breakdown)

Month 1

Foundations of Data Science

- ☑ Introduction to Data Science & Tools
- ☑ Python for Data Science
- ☑ Statistics & Probability
- ☑ Excel for Data Analysi

Month 2

Data Handling & Visualization

- ☑ SQL for Data Science
- ☑ Data Wrangling & Preprocessing
- ☑ Data Visualization with Matplotlib, Seaborn & Power BI

Month 3

Machine Learning (ML) – Supervised Learning

- ☑ Introduction to Machine Learning
- ☑ Regression & Classification Models

Month 4

Machine Learning (ML) – Unsupervised Learning & Model Optimization

- ☑ Clustering & Dimensionality Reduction
- ☑ Time Series Forecasting

Month 5

Deep Learning & LLM Basics

- ☑ Introduction to Deep Learning
- ☑ Convolutional Neural Networks (CNNs)
- ☑ Natural Language Processing (NLP) & Basics of LLMs

Month 6

Capstone Project

- ☑ Capstone Project
- ☑ End-to-End Data Science Project
- ☑ Presentation & Deployment

MASTER IN DIGITAL MARKETING – 6 MONTHS

This 6-month intensive program covers the core principles of Digital Marketing, including SEO, Social Media Marketing, Content Marketing, Google Ads, Email Marketing, Affiliate Marketing, and Analytics. Designed for beginners and professionals, this course will help learners build a strong foundation in digital marketing strategies and apply them to real-world business scenarios.

Who Should Enroll?

- ☑ Entrepreneurs & Business Owners looking to grow their online presence
- ☑ Marketing Professionals who want to master digital strategies
- ☑ Students & Job Seekers aiming for careers in Digital Marketing
- ☑ Freelancers looking to expand their services in online marketing

What You'll Learn

- ☑ SEO & Website Optimization – Improve rankings on Google
- ☑ Social Media Marketing – Facebook, Instagram, LinkedIn, Twitter Ads
- ☑ Google Ads & PPC Campaigns – Paid advertising strategies
- ☑ Content Marketing – Blogging, Video Marketing, Copywriting
- ☑ Email & Affiliate Marketing – Generate leads & passive income
- ☑ Analytics & Data-Driven Marketing – Google Analytics, ROI measurement

Career Opportunities After This Course

- ☑ Digital Marketing Specialist
- ☑ SEO Analyst / SEO Consultant
- ☑ Social Media Marketer
- ☑ PPC & Google Ads Expert
- ☑ Affiliate Marketing Strategist
- ☑ Email Marketing Manager
- ☑ YouTube & Video Marketing Expert

Master in Digital Marketing – 6 Months Syllabus

- ☑ **Mode:** Online / Offline
- ☑ **Duration:** 6 Months
- ☑ **Certification:** Graded Certification
- ☑ **Projects:** Live Campaigns, SEO Audits, Google Ads, Social Media Strategy

Course Structure (Month-wise Breakdown)

Month 1

Digital Marketing Basics & Research

- ☑ Introduction to Digital Marketing
- ☑ Trends & Market Research
- ☑ Google Algorithms & Updates

Month 2

Website Development, SEO & Content Marketing

- ☑ Website Development with WordPress
- ☑ Content Marketing Strategy
- ☑ Search Engine Optimization (SEO)

Month 3

Advanced SEO & SEM (Search Engine Marketing)

- ☑ On-Page SEO Optimization
- ☑ Technical SEO & Site Audit
- ☑ Off-Page SEO & Link Building
- ☑ SEO Audit & Reporting

Month 4

PPC (Pay-Per-Click) & Google Ads

- ☑ Search Engine Marketing (SEM) & Google Ads
- ☑ Google Analytics & Search Console

Month 5

Social Media Optimization (SMO) & Email Marketing

- ☑ Social Media Marketing (SMO)
- ☑ Email Marketing & Lead Generation

Month 6

Advanced Digital Marketing Strategies & Monetization

- ☑ Landing Page Optimization & Conversion Rate Optimization
- ☑ Video Marketing & YouTube Monetization
- ☑ Affiliate Marketing & Freelancing

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