



APPLETLOGIC

TRAINING BRAIN BUILDING SOLUTIONS

AI POWERED FLUTTER

SYLLABUS



OUR SERVICES



Placement Grooming Sessions

Our Placement Grooming Program prepares students for successful careers through regular training sessions focused on interview preparation, communication skills, aptitude training, and group discussions. With continuous guidance and practice, students build confidence and stay ready to excel in placement opportunities.



Assessments

Our Assessment Program helps students track their progress through regular evaluations of technical and professional skills. With continuous assessments and timely feedback, students identify areas for improvement, strengthen their knowledge, and ensure consistent growth throughout the course.



Module wise Evaluations

Our module-wise evaluation system assesses students at the end of each module to measure their understanding and learning progress. This structured approach reinforces key concepts, identifies areas for improvement, and provides timely feedback, helping students build confidence and achieve consistent progress throughout the course.



Experienced Mentors

Our experienced mentors bring strong industry knowledge and practical expertise to guide students throughout their learning journey. With personalized support and real-world insights, they help students build technical skills, solve challenges confidently, and prepare for successful careers in the IT industry.



HR & Mock Interview

Our HR & Mock Interview sessions prepare students to confidently face real recruitment processes. The program includes HR interview practice, technical mock interviews, resume review, communication enhancement, and personalized feedback to improve performance and increase placement success.



LinkedIn and Resume preparations

We provide dedicated training in LinkedIn profile building and resume preparation to help students present their skills and achievements professionally. Our guidance enables students to create impactful LinkedIn profiles and well-structured resumes that improve their visibility to recruiters and increase their chances of securing better career opportunities.



Internship Opportunity

Our Internship Program gives students practical experience by working on real-time projects under expert guidance. It helps them strengthen their technical skills, gain industry exposure, and build the confidence needed for successful career opportunities.

ABOUT COURSE

AI Powered Flutter is a next-generation mobile app development program that combines Flutter's cross-platform capabilities with the latest Artificial Intelligence (AI) tools to help developers build smarter, faster, and more efficient applications.

The course covers Flutter fundamentals, Dart programming, UI/UX design, Firebase, REST APIs, state management, and real-world app development while integrating AI-powered development tools such as ChatGPT, GitHub Copilot, Gemini AI, Firebase Studio, and AI-assisted coding environments. Students learn how to use AI to generate code, debug applications, create UI designs, automate repetitive tasks, and integrate intelligent features like AI chatbots and recommendation systems into mobile applications.

Through hands-on projects, real client assignments, internship opportunities, and a capstone project, learners gain practical experience in building industry-ready Android and iOS applications. By the end of the program, students will have a professional portfolio, deployment experience, and the skills required for careers as Flutter Developers, Mobile App Developers, or Cross-Platform Application Developers.

OUR MODULES - AI Powered Flutter

MODULE **01** 02 03 04 05 06 07 08 09 10 11

Introduction to Mobile App Development

- ▶ History of Mobile Operating Systems
- ▶ Native vs Hybrid Applications
- ▶ Introduction to Flutter
- ▶ Introduction to Dart
- ▶ Why Flutter?
- ▶ Career Scope of Flutter & Dart

MODULE 01 02 03 04 05 06 07 08 09 10 11

Dart Programming Fundamentals

- ▶ Environment Setup
- ▶ Hello World
- ▶ Variables & Data Types
- ▶ Operators
- ▶ Control Statements
- ▶ Loops
- ▶ Constants
- ▶ Strings & Numbers
- ▶ Lists & Maps
- ▶ Enums
- ▶ Functions
- ▶ Object-Oriented Programming
- ▶ Hands-on Dart Exercises

MODULE 01 02 03 04 05 06 07 08 09 10 11

Flutter Fundamentals & Widgets

- ▶ Flutter Installation & Setup
- ▶ Flutter Project Structure
- ▶ Basic Widgets
- ▶ Material Design Widgets
- ▶ Stateless Widgets
- ▶ Stateful Widgets
- ▶ Widget Catalog
- ▶ Bottom Navigation
- ▶ Navigation & Routing
- ▶ Multi-Screen Applications
- ▶ Hands-on Flutter Projects

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UI/UX Design with Figma

- ▶ Introduction to Figma
- ▶ Figma Interface & Tools
- ▶ Mobile UI Design Principles
- ▶ Auto Layout
- ▶ Components & Styles
- ▶ Figma Plugins
- ▶ Interactive Prototyping
- ▶ Exporting Designs for Flutter

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Flutter UI Development

- ▶ Fonts & Typography
- ▶ Assets Management
- ▶ Images & Icons
- ▶ Advanced Widgets
- ▶ Responsive UI
- ▶ Flutter Packages
- ▶ Lottie Animations
- ▶ Local Data Storage

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Dart Problem Solving & Data Handling

- ▶ List Problems
- ▶ Map Problemss

- ▶ DateTime Operations
- ▶ Searching Algorithms
- ▶ Sorting Algorithms
- ▶ OOP Exercises
- ▶ Coding Challenges

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JSON, REST API & Networking

- ▶ JSON Objects & Arrays
- ▶ JSON Encoding & Decoding
- ▶ JSON Parsing
- ▶ HTTP Basics
- ▶ REST API
- ▶ GET Requests
- ▶ POST Requests
- ▶ API Integration
- ▶ Error Handling

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FlutterFlow & Firebase Development

- ▶ FlutterFlow Introduction
- ▶ Firebase Setup
- ▶ Authentication
- ▶ Firestore Database
- ▶ Read & Write Operations
- ▶ Cloud Storage
- ▶ Push Notifications
- ▶ Firebase Messaging

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State Management & Clean Architecture

- ▶ State Management Concepts
- ▶ Provider
- ▶ BLoC Introduction
- ▶ SOLID Principles
- ▶ Clean Architecture
- ▶ Repository Pattern
- ▶ To-Do App
- ▶ Notes App

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AI-Powered Flutter Development

- ▶ AI-Assisted Coding
- ▶ Firebase Studio
- ▶ Agentic Coding with Antigravity IDE
- ▶ GitHub Copilot
- ▶ ChatGPT for Flutter Development
- ▶ Gemini API Integration
- ▶ AI Chatbot Development
- ▶ Prompt Engineering for Developers

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Capstone Project & Internship

- ▶ End-to-End Flutter Project
- ▶ E-Commerce App / OTT Platform
- ▶ Provider State Management
- ▶ REST API Integration

- ▶ Payment Gateway Integration
- ▶ Firebase Integration
- ▶ Authentication & Notifications
- ▶ App Deployment
- ▶ Git & GitHub
- ▶ Project Documentation
- ▶ Resume Building
- ▶ Mock Interviews
- ▶ Real Client Project / Internship
- ▶ Final Project Presentation

THANK YOU

