PAVISION INNOVATIONS

LOREM IPSUM

Lorem ipsum dolor sit amet, quo sale
putant molestie an, ei assum voluptua
tractatos duo, in vel nihil ridens malorum.

LOREM IPSUM   LOREM IPSUM

Lorem ipsum dolor sit amet

LOREM IPSUM
Lorem ipsum dolor

Lorem ipsum dolor sit amet

APP
Development

BROCHURE

About Pavision Innovation

At Pavision Innovation, we are more than just a training platform – we are a community of innovators in education.

Course Overview

Dive deep into the world of App Development with our expertly designed course. This program is crafted to equip you with the knowledge and hands-on experience required to design, implement, and optimize integrated circuits at a nano-scale level. Whether you're an aspiring semiconductor engineer or looking to upgrade your skills this course covers all the essential areas of App development

Highlights

Hands-on Learning: Build real-world mobile apps from scratch using the latest technologies.

Comprehensive Curriculum: Covering Java, Kotlin, Swift, React Native, and Flutter.

Industry-Standard Tools: Master tools like Android Studio, Xcode, Git, and Firebase.

Cross-Platform Development: Learn how to create apps for both Android and iOS.

UI/UX Design: Understand design principles to create user-friendly interfaces.

App Testing & Deployment: Learn to test your apps efficiently and deploy them on Google Play and the App Store.

Course Syllabus

Module 1: Introduction to Mobile App Development

- Overview of Mobile App Ecosystems
- Native vs. Hybrid vs. Cross-Platform Development
- Understanding the App Development Lifecycle
- Introduction to Mobile App Design Principles

Module 2: Android Development (Java & Kotlin)

- Setting up Android Studio
- Android Architecture and Components
- UI Components: Layouts, Views, and Widgets
- Activities and Intents
- Data Storage: SQLite, SharedPreferences, and Files
- Working with APIs and JSON Parsing
- Google Play Store Deployment

Module 3: iOS Development (Swift)

- Setting up Xcode and Swift Basics
- iOS Architecture: MVC Pattern
- UIKit: Working with Storyboards, Views, and Controllers
- Handling User Inputs and Gestures
- Networking in iOS: URLSession and APIs
- Data Persistence with Core Data
- App Store Deployment

Module 4: Cross-Platform Development (Flutter or React Native)

- Introduction to Dart (for Flutter) or JavaScript/TypeScript (for React Native)
- Setting up the Cross-Platform Environment
- Building User Interfaces with Flutter Widgets / React Components
- State Management in Flutter / React Native
- API Integration in Cross-Platform Apps
- Testing and Debugging Cross-Platform Apps
- Deploying Cross-Platform Apps on Google Play and App Store

Module 5: UI/UX Design for Mobile Apps

- Principles of Mobile UX/UI Design
- Design Thinking for App Development
- Tools for UI/UX Design: Figma and Sketch
- Prototyping Mobile Applications
- Creating Responsive and Adaptive UI
- Best Practices for User Experience

Module 6: Backend Integration & Cloud Services

- Introduction to Firebase and Cloud Firestore
- Firebase Authentication and Real-Time Database
- Cloud Storage Integration
- Push Notifications using Firebase Cloud Messaging (FCM)
- API Integration for Data Handling
- Using GraphQL for Efficient Data Fetching

Module 7: Version Control and Collaboration

- Introduction to Git and GitHub
- Setting up Version Control for App Development Projects
- Collaborating on Projects with GitHub
- Best Practices for Code Management and Documentation

Module 8: App Testing and Debugging

- Writing Unit Tests and UI Tests
- Using Emulators and Real Devices for Testing
- Debugging Tools in Android Studio and Xcode
- Performance Optimization Techniques
- Handling App Crashes and Logs

Module 9: App Deployment and Post-Launch Maintenance

- Preparing Your App for Release
- App Store and Google Play Store Guidelines
- Submitting Your App for Review
- Handling User Feedback and Updates
- Maintaining and Updating Apps Post-Launch

Capstone Project

- End-to-End Mobile App Development Project
- Build a Complete Mobile App (Android, iOS, or Cross-Platform)
- Present Your App with Full Documentation and Deployment
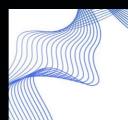
Sample Projects

- **EXPENSE TRACKER APP WITH BUDGET MANAGEMENT**

- **FOOD DELIVERY APP WITH REAL-TIME TRACKING**

- **LANGUAGE LEARNING APP WITH QUIZZES**

- **MUSIC STREAMING APP WITH PLAYLIST CREATION**

- **NOTES APP WITH IMAGE AND VOICE RECORDING**

- **ONLINE QUIZ APP WITH LEADERBOARDS**

- **EVENT MANAGEMENT APP WITH CALENDAR INTEGRATION**

Career Opportunities

Upon completing the App Development Certification Program, students will be equipped for roles such as:

- Mobile App Developer (Android/iOS)

- Cross-Platform App Developer (Flutter/React Native)

- UI/UX Designer for Mobile Apps

- Full Stack Mobile App Developer

- Mobile App Tester/QA Engineer

- Backend Developer (Mobile Apps)

- App Deployment Specialist

Certificates

PAVISION INNOVATIONS

CERTIFICATE
OF COURSE COMPLETION
THIS CERTIFICATE IS PROUDLY PRESENTED TO

K.H.N.VAMSI

has successfully completed Artificial Intelligence course at Pavision Innovations
in the month of 3 JUNE, 2025 to 3 AUGUST 2025 and has proven his/her
competency with utmost dedication and promise
CERTIFICATE ID: 6565-5801-2130

Academic Head

Mentor

PAVISION INNOVATIONS

MSME
MICRO, SMALL & MEDIUM ENTERPRISES
OUR STRENGTH
Ministry of MSME, Govt. of India

INTERNSHIP
CERTIFICATE
THIS CERTIFICATE IS PRESENTED TO :

K.H.N.VAMSI

has successfully completed Aritificial Intelengence program at Pavision
Innovations in the month of 3 September 2025 to 3 November 2025
CERTIFICATE ID: 6565-5801-2130

Academic Head

Mentor

Assured Interviews

As part of our placement support, we provide assured interview opportunities with leading companies in your field. Our dedicated placement team works tirelessly to connect you with the right employers based on your skills and interests.

The Course and Curriculum is designed by Mentors from

Get Started Today!

Contact Us:
Ready to take your career to the next level?

Contact us to learn more about our courses, flexible payment plans, and how we can help you achieve your career goals.

Phone: 6362243542
Email: help@pavision.in

Follow us on social media: