

Emerging Technologies

Full Stack Android Developer Program

Curriculum

Program Outline :

Module 1: Fundamentals of Android Development

1. **Introduction to Android Development**
 - Core principles, tools, and industry applications.
2. **Basic Programming with Java/Kotlin**
 - Understanding and using Java/Kotlin for app development.
3. **Android Studio Basics**
 - Navigating and using Android Studio for development.
4. **User Interface Design Basics**
 - Designing basic app interfaces.

Module 2: Advanced Android Development Techniques

5. **Advanced Programming with Java/Kotlin**
 - Mastering advanced programming techniques.
6. **Front-End Development**
 - Implementing front-end logic and functionality.
7. **Back-End Development**
 - Building robust back-end systems.
8. **Database Management**

- Managing and integrating databases.

Module 3: Practical Applications

9. Practical Android Development Projects

- Developing and implementing Android development projects.

10. Networking and APIs

- Implementing network communication protocols and using APIs.

11. Security in Android Apps

- Implementing security measures in apps.

12. Business Intelligence Applications

- Using data for app development decision making.

Module 4: Capstone Project

13. Integration of Learned Skills

- Apply tools and techniques to real-world app development problems.

14. Advanced Android Development Systems

- Developing complex Android applications.

15. Cloud App Management

- Managing apps in cloud environments.

16. AI for Android Development

- Implementing AI solutions in Android development.

Elective Modules

17. Data Ethics and Privacy

- Ethical considerations, privacy laws, compliance strategies.

18. Predictive Analytics with App Development Management

- Building and validating predictive models.

19. AI for App Development Management

- Implementing AI solutions in app development.

20. Advanced Data Warehousing Techniques

- Optimizing data warehousing solutions.

21. Data-Driven App Development Decision Making

- Using data to inform and drive app development strategies.

22. Cloud App Development Solutions

- Deploying app development management systems on cloud platforms.

23. App Development Project Management

- Leading app development projects, ensuring successful delivery.

24. Big Data Security

- Securing data in big data environments.

25. IoT App Development

- Securing and managing IoT devices and app development.

Websites:

- <https://chools.in/>
- <https://ramaqchools.com/>
- <https://www.choolsgroup.com/>