

Emerging Technologies

Meta Android Developer Professional Certificate Program

Curriculum

Program Outline :

Module 1: Fundamentals of Android Development

- 1. Introduction to Android Development**
 - Core principles, tools, and industry applications.
- 2. Basic Kotlin Programming**
 - Understanding and using 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 Kotlin Programming**
 - Mastering advanced Kotlin techniques.
- 6. Firebase Integration**
 - Integrating Firebase for backend services.
- 7. React Native Development**
 - Developing cross-platform mobile apps.
- 8. Advanced User Interface Design**

- Designing advanced app interfaces.

Module 3: Practical Applications

9. Practical Android Development Projects

- Developing and implementing Android development projects.

10. App Testing and Deployment

- Testing and deploying Android apps.

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/>