



KONGUNADU ARTS AND SCIENCE COLLEGE
(AUTONOMOUS)
Re-accredited by NAAC with A⁺ Grade - 4th cycle, College of
Excellence – UGC
31st Rank among Colleges in NIRF 2022
Coimbatore - 641 029, Tamil Nadu, India



DEPARTMENT OF COMPUTER SCIENCE (Aided)

Workshop on Mobile Application development

Supported by
DBT STAR COLLEGE SCHEME
REPORT

Name of the Event	Workshop on Mobile Application development
Date	10-01-2024
Time	10.00 A.M
Resource Person With Designation	Mr.C.Surendar, Corporate Trainer & Software developer, Aakam Institute, Coimbatore
Venue of the Programme	Lab VI
Objectives of the Programme	• To impart knowledge about Mobile App development and types of mobile app development technologies. • To explain the steps in the mobile development. • To demonstrate the mobile apps for different OS.
Outcome of the Programme	Students learnt about: • Concepts of frameworks and designs to create applications. • Steps in mobile development. • Usage of emulators. • Writing code in an Android Studio. •
Number of Beneficiaries (Both Students and Faculty)	Students: 56 III B.Sc Computer Science (A) – 01 II B.Sc Computer Science-(A) – 55 Faculty Members -- 03

Report in Detail

The Workshop on Mobile Application Development provided participants with a comprehensive understanding of mobile app development concepts and practical skills using tools like Android Studio and emulators. The workshop began with an introduction to mobile app development frameworks and platforms, including Android and iOS, highlighting the differences and considerations for each platform. Participants learned about the key components of mobile apps, such as user interfaces, navigation patterns, and data storage options.

Hands-on sessions were conducted using Android Studio, a popular Integrated Development Environment (IDE) for Android app development. Participants gained proficiency in using Android Studio to create, debug, and deploy mobile applications on virtual devices using emulators. Topics such as UI/UX design principles, responsive layout design, and mobile app testing were covered in depth, emphasizing best practices for creating engaging and intuitive user experiences.

Additionally, participants explored backend integration options, API usage, and data management strategies to enhance the functionality of their mobile applications. Throughout the workshop, participants had the opportunity to work on real-world app development projects, receiving guidance and feedback from the instructor. The workshop concluded with a showcase of participants' mobile app projects, highlighting their creativity, problem-solving skills, and newly acquired development expertise using tools like Android Studio and emulators. Overall, the Workshop on Mobile Application Development provided a valuable learning experience, equipping participants with the knowledge and tools to embark on mobile app development projects confidently.



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