**Mobile Computing Lab**

**MCA-I**

1. What is Mobile Computing? Explain the three-tier architecture of mobile computing with diagram.
2. Compare different mobile development platforms including cross platform development platforms. – React Native, Flutter, Xamarine, Native script, Kotlin, Apache cordova, Ionic platform.
3. Detailed comparative analysis of 1G, 2G, 3G, 4G and 5G. Write your own Idea and Expectation from 6G.
4. Write a Program to create first Android Application.
5. Run Your App on Mobile Emulator.
6. Use various controls like Edit View, buttons, radio buttons, checkboxes, AutoCompleteTextView, Image Button, and Toggle Button on Mobile to develop UI using Android /other.
7. Design a simple calculator using Android/other as a separate module of previous.
8. Create a simple temperature converter application using Android/other as a separate module of previous.
9. Write a Program to generate Calendar using Android/other.
10. Design a simple to-do list using Android/other.
11. Write a Program to insert and display data from database using Android/other.
12. Write a Program for simple quiz competition Android/other.
13. Write a Program to demonstrate simple Animation Android/other.