9th Sept 2023

MObile application development course

# **Teaching staff**

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# **Description**

Mobile app development is a process of creating software applications that run on a mobile device, and a typical mobile application utilizes a network connection to work with remote computing resources. There two main widely used platforms when developing those applications. IOS that run on iPhone devices and android that run on Android powered devices. In this course, we are going to be teaching student major technologies and programming languages to use when developing mobile applications and they will choose the right technology for their app development process

# **Objectives**

At the completion of this course, students will be able:

1. To create a mobile app using android devices or cross platform apps.
2. To gain knowledge on how to fully build and deploy mobile apps using a variety of technologies.
3. To design their app and implement it.
4. To develop mobile apps on other platforms such as .net Maui, flutter or react native.

# **pre-request**

* Familiarity with Java at a level sufficient to write an object oriented program
* Know some xml, JavaScript or web technology tools.
* To be able to design apps on design software such Figma or adobe xd.

# **Resources**

* Android Programming for Beginners 2nd edition by **John Horton - Java**
* Android Programming for Beginners 2nd edition by **John Horton - Kotlin**
* Cross platform with UIs with flutter by RYAN EDGE & ALBERTO MIOLA.
* React Native for Mobile Development 2nd edition by **Akshat Paul** and **Abhishek Nalwaya**
* Excellent Enterprise Application Patterns using .NET MAUI

# **grading policy**

1. Mid-term 30
2. Final 30
3. Assignments 10
4. Projects 15
5. Oral 15

# **Classes and meetings**

1. Saturday 7:00 – 10:00am
2. Sunday 10:40 – 12:20