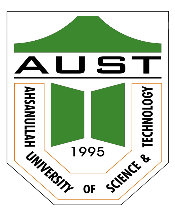
**Ahsanullah University of Science and Technology**

**Department of Computer Science and Engineering**

**Course Outline**



**Course No :** CSE2200

**Course Title :** Software Development - III

**Credit Hour :** 0.75

**Semester (Session) :** Spring 2019

**Student Year & Student Semester :** 2nd Year, 2nd Semester

**Course Teacher(s) :**  Md. Aminur Rahman

Md. Mafizur Rahman

Md. Siam Ansary

**Course Objective:**

* Getting familiar with the Android Development Environment.
* Learn about Layout design and activity code.
* Familiarize with Android database and firebase.
* Building a complete Android Project.

**Text/ Reference Books:**

* Android Programming for Beginners by John Horton (1st ed.)
* Hello Android: Introducing Google’s Mobile Development Platform by Ed Burnette (1st ed.)
* Head First Android Development: A Brain-Friendly Guide by Sawn Griffiths (1st ed.)

**Online Resources:**

* <https://developer.android.com/index.html>
* <https://developer.android.com/guide/index.html>
* https://www.tutorialspoint.com/android/index.html
* https://developers.google.com/training/android/

**Session Plan:**

|  |  |
| --- | --- |
| **Week** | **Topics/Contents** |
| 01 | * Introduction with Android Development and Environment * Layout Design |
| 02 | * Layout Design * Project Proposal and Selection |
| 03 | * Activity Code * Activity Lifecycle |
| 04 | * Splash Screen Activity * Android Intent * Project Progress - I * Quiz 1 |
| 05 | * Android Database * Firebase * Project Progress – II |
| 06 | * Project Progress - III * Quiz 2 |
| 07 | * Final Project Presentation and Evaluation |

**Note:** *This Session Plan is subject to change. Course teacher will slow down or*

*speed up each chapter to meet the needs of students*.

**Marks Distribution:**

|  |  |
| --- | --- |
| **Topic** | **Marks** |
| Attendance and Class Performance | 20 |
| Quiz, Offline, Online | 30 |
| Project (Update, Report, Presentation) | 50 |
| **Total** | **100** |