**Academic Year:** 2019-2020 **Class/Branch**: BE-A & B/CMPN

**Subject:** CSL702:Mobile Application Development Lab **Semester**: VII

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| **Course Outcomes:** | |
| **CSL702.1:** | To develop and demonstrate mobile applications using various tools |
| **CSL702.2:** | Students will articulate the knowledge of GSM, CDMA & Bluetooth technologies and demonstrate it. |
| **CSL702.3:** | To carry out simulation of frequency reuse , hidden terminal problem |
| **CSL702.4:** | To develop security algorithms for mobile communication network |
| **CSl702.5:** | To demonstrate simulation and compare the performance of Wireless LAN |
| **CSL702.6:** | To implement and demonstrate mobile node discovery and route maintains |

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| **Sr. No** | **List of Experiment** | **CO mapped** |
| **1** | Develop an application that uses GUI components | **CSL702.1** |
| **2** | Develop an application that makes use of database. | **CSL702.1** |
| **3** | Develop a native application that uses GPS location information | **CSL702.1** |
| **4** | Implement an application that creates an alert upon receiving a message. | **CSL702.1** |
| **5** | Implementation of income tax/loan EMI calculator and deploy  the same on real devices. | **CSL702.1** |
| **6** | To implement Mobile node discovery in J2ME | **CSL702.6** |
| **7** | Implementation of GSM security algorithms (A3/A5/A8) | **CSL702.4** |
| **8** | To understand the cellular frequency reuse concept to find the co-channel cells for a particular cell. | **CSL702.3** |
| **9** | To implement a basic function of Code Division Multiple Access (CDMA) to test the orthogonality and autocorrelation of a code to be used for CDMA operation. | **CSL702.2** |
| **10** | Illustration of Hidden Terminal Problem (NS-2) | **CSL702.5** |

**Faculty In-charge:**

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