|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Sl. No** | **Syllabus** | **Curriculum** | **Deployment Strategy and**  **Tool** | **Cross-cutting issues**  **integrated** | **PO, PSO and CO** | **Attainment Verification** |
| 1. | MOBILE APPLICATION DEVELOPMENT | 1. **Essential Technical Skills for Android Developers**   * Building user interfaces: **You should** be able to convert a design into a functional **Android application** using Java and XML. * Data storage and notifications: **You should** know how to store, update, and delete information on an **Android** device. * Material Design guidelines:   2.**Educational apps** help to improve communication among students, teachers and parents. Some **apps** provide methods for tracking your child's progress. It makes the whole **educational** system transparent. Mentors and parents can interact anytime with ease, to better answer queries on a ward's performance.  3.**Mobile apps** aid promotion and offers great support.   * Value addition through rewards/loyalty program. * Unlock the power of better connection with customers. * Driving High Engagement Levels. | 1. Chalk and   Talk method   1. PPT | * Business   Ethics   * Human   values | PO1:Engineering Knowledge  PO2:Problem Analysis  PO3:Design/Development Of Solutions  PO4:Conduct Investigations Of Complex Problems  PO5:Modern Tool Usage  PO9:INDIVIDUAL AND TEAM WORK  PO10:COMMUNICATION  PO11:Project Management and Finance.  PO12: Life-long  Learning. |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  | PSO1:Professional Skills  PSO2:Problem Solving Skill |
|  |  | PSO3: Successful |
|  |  | career and |
|  |  | entrepreneurship |
|  |  | **CO1** Create, test and debug Android application by setting up Android development environment  **CO2** Implement adaptive, responsive user interfaces that work across a wide range of devices.  **CO3** Infer long running tasks and background work in Android applications  **CO4** Demonstrate methods in storing, sharing and retrieving data in Android applications  **CO5** Analyze performance of android applications and understand the role of permissions and security  **CO6** Describe the steps involved in publishing Android application to share with the world |
|  |  |  |
|  |  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |