|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **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 method1. PPT
 | * Business

 Ethics* Human

 values | PO1:Engineering KnowledgePO2:Problem AnalysisPO3:Design/Development Of SolutionsPO4:Conduct Investigations Of Complex ProblemsPO5:Modern Tool UsagePO9:INDIVIDUAL AND TEAM WORKPO10:COMMUNICATIONPO11:Project Management and Finance. PO12: Life-longLearning. |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  | PSO1:Professional SkillsPSO2: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 |
|  |  |  |
|  |  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |