

**Course: Major  
Computer Science Practical-Mobile Technologies**

<b>Semester: II</b>	<b>Credits: 2</b>	<b>Subject Code: SMAJCCSP223555</b>	<b>Lectures: 60</b>
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<b>Course Outcomes:</b>
At the end of the course, the learner will be able to:
<ul style="list-style-type: none"> <li>• CO1-Gain knowledge of Android Studio and Cross Platform Integrated Development Environment</li> <li>• CO2-Design and develop user interfaces for the Android platform</li> <li>• CO3-Design and develop advanced Android programming</li> <li>• CO4-Apply Java programming concepts to develop different Android applications</li> </ul>

<b>Unit 1: Mobile Technologies Part-1</b>	<b>30</b>
<ul style="list-style-type: none"> <li>• Assignment 1: Android User Interface-1</li> <li>• Assignment 2: Android User Interface-2</li> <li>• Assignment 3: Event Handling</li> <li>• Assignment 4: Android Thread</li> <li>• Assignment 5: Android Notification</li> <li>• Assignment 6: Broadcast receivers</li> </ul>	

<b>Unit 2: Mobile Technologies Part-2</b>	<b>30</b>
<ul style="list-style-type: none"> <li>• Assignment 1: Databases-SQLite</li> <li>• Assignment 2: JSON Parsing</li> <li>• Assignment 3: Phone Services</li> <li>• Assignment 4: Email</li> <li>• Assignment 5: Location Based Services and Google Maps</li> <li>• Assignment 6: Designing Mini Application</li> </ul>	

<b>Reference Books:</b>
<ul style="list-style-type: none"> <li>• JochenSchiller, <i>Mobile Communications</i>, Pearson Education, 2nd Edition ISBN: 9780321123817</li> <li>• Wei Meng Lee, <i>Beginning Android Application Development</i>, Published by John Wiley &amp; Sons. Inc ISBN: 978-1-118-19954-1</li> </ul>



Board of Studies	Name	Signature
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Faculty	Mrs. Smita Borkar	<i>Smita</i> 17/7/23

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Faculty	Mrs. Anjali Kale		<i>Anjali</i> 15/7/23
Subject Expert (Outside SPPU)	Dr. Aniket Nagane	<i>Aniket</i> 15/7/23	
Subject Expert (Outside SPPU)	Dr. Manisha Divate		<i>Divate</i> 15/7/23
VC Nominee (SPPU)	Dr. Reena Bharathi	<i>Reena</i> 15/7/23	
Industry Expert	Ms. Anjali Ingole		<i>Anjali</i> 15/7/23
Alumni	Ms. Pooja Pandey	<i>Pooja</i> 15-7-23	



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