

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



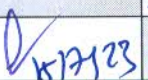
<b>Semester: II</b>	<b>Credits: 2</b>	<b>Subject Code: SMAJCCSP223555</b>	<b>Lectures: 60</b>
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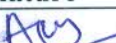
<b>Course Outcomes:</b>
At the end of the course, the learner will be able to:
<ul style="list-style-type: none"> <li>• CO1-Gain knowledge of Android Studio and Cross Platform Integrated Development Environment</li> <li>• CO2-Design and develop user interfaces for the Android platform</li> <li>• CO3-Design 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
Chairperson (HoD)	Mrs. Ashwini Kulkarni	
Faculty	Mrs. Swati Pulate	
Faculty	Mrs. Smita Borkar	

Board of Studies	Department	Name	Signature
Chairperson (HoD)	Computer Science	Mrs. Ashwini Kulkarni	



Faculty	Mrs. Shubhangi Jagtap		<i>Shubhangi</i> 15/7/23
Faculty	Mrs. Alka Kalhapure	<i>Alka</i> 15/7/23	<i>Alka</i> 15/7/23
Faculty	Mrs. Anjali Kale		<i>Anjali</i> 15/7/23
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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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Chairperson (HoD)	Computer Science	Mrs. Ashwini Kulkarni	<i>Ashwini</i> 15/7/23