	m the academic	vear 2018 2010)	
Course Code	DENIESTER -	VI	
Number of Contact Hours/Week	18CS651	CIE Marks	40
Total Number of Contact Hours	3:0:0	CEE M.	60
contact Hours	40	Exam Hours	
Course Learning Objection The	CREDITS -3	110413	03
 Course Learning Objectives: This course Learn to setup Android application Illustrate user interfaces for interact Interpret tasks used in handling mul Identify options to save persistent appraise the role of security and permodule – 1 	ing with apps and tiple activities	rironment d triggering actions	
Get started, Build your first app, Activities, Textbook 1: Lesson 1,2,3 RBT: L1, L2 Module – 2	Festing, debuggir		Teaching Hours 08
User Interaction, Delightful user experience, Fextbook 1: Lesson 4,5,6 RBT: L1, L2 Module – 3			08
Background Tasks, Triggering, scheduling an Pextbook 1: Lesson 7,8 RBT: L1, L2 Module – 4			08
Il about data, Preferences and Settings, Sontent providers, Loading data using Loaders extbook 1: Lesson 9,10,11,12 BT: L1, L2 Iodule – 5	toring data using s	g SQLite, Sharing data with	08
Permissions, Performance and Security, Firebase and AdMob, Publish// Pextbook 1: Lesson 13,14,15 RBT: L1, L2			08
ourse outcomes: The students should be able			
 Create, test and debug Android application Implement adaptive, responsive user in Infer long running tasks and backgrour Demonstrate methods in storing, sharing Analyze performance of android application Describe the steps involved in publishing Describe Paper Pattern: 	nterfaces that wor nd work in Andro ng and retrieving of cations and under	k across a wide range of device id applications data in Android applications	es.
 The question paper will have ten questi Each full Question consisting of 20 mar 	ons. rks		

- There will be 2 full questions (with a maximum of four sub questions) from each module.
- Each full question will have sub questions covering all the topics under a module.

The students will have to answer 5 full questions, selecting one full question from each module.

Textbooks:

 Google Developer Training, "Android Developer Fundamentals Course - Concept Reference", Google Developer Training Team, 2017. https://www.gitbook.com/book/google-developer-training/android-developer-fundamentals-course-concepts/details (Download pdf file from the above link)

Reference Books:

- Erik Hellman, "Android Programming Pushing the Limits", 1st Edition, Wiley India Pvt Ltd, 2014.
- Dawn Griffiths and David Griffiths, "Head First Android Development", 1st Edition, O'Reilly SPD Publishers, 2015.
- 3. J F DiMarzio, "Beginning Android Programming with Android Studio", 4th Edition, Wiley India Pvt Ltd, 2016. ISBN-13: 978-8126565580
- Anubhav Pradhan, Anil V Deshpande, "Composing Mobile Apps" using Android, Wiley 2014, ISBN: 978-81-265-4660-2

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