	APPLICATION D (OPEN ELECTI	WEY	
	from the academic	year 2018 -2019)	
Course Code	SEMESTER – 18CS651		1
Number of Contact Hours/Week	3:0:0	CIE Marks	40
Total Number of Contact Hours	40	SEE Marks	60
	CDDDIME	Exam Hours	03
Course Learning Objectives: This co	CREDITS -3	•	
 Interpret tasks used in handling Identify options to save persist Appraise the role of security ar 	g multiple activities	d triggering actions	
Appraise the role of security ar Module – 1	g multiple activities ent application data nd performance in An	droid applications	Teaching
• Appraise the role of security ar Module – 1 Get started, Build your first app, Activi Textbook 1: Lesson 1,2,3 RBT: L1, L2	g multiple activities ent application data nd performance in An	droid applications	Teaching Hours ries 08
Module – 1 Get started, Build your first app, Activi Textbook 1: Lesson 1,2,3 RBT: L1, L2 Module – 2	g multiple activities ent application data nd performance in An ties, Testing, debugg	droid applications ing and using support librar	Teaching Hours ries 08
Module – 1 Get started, Build your first app, Activi Textbook 1: Lesson 1,2,3 RBT: L1, L2 Module – 2 User Interaction, Delightful user experience of the same and the same	g multiple activities ent application data nd performance in An ties, Testing, debugg	droid applications ing and using support librar	Teaching Hours ries 08
Module – 1 Get started, Build your first app, Activi Textbook 1: Lesson 1,2,3 RBT: L1, L2 Module – 2 User Interaction, Delightful user experience.	g multiple activities ent application data nd performance in An ties, Testing, debugg	droid applications ing and using support librar	Hours ries 08
Appraise the role of security ar Module – 1 Get started, Build your first app, Activi Textbook 1: Lesson 1,2,3 RBT: L1, L2 Module – 2 User Interaction, Delightful user experience to the company of	g multiple activities ent application data nd performance in An ties, Testing, debugg ence, Testing your U	droid applications ing and using support librar	Hours ries 08

All about data, Preferences and Settings, Storing data using SQLite, Sharing data with content providers, Loading data using Loaders Textbook 1: Lesson 9,10,11,12

RBT: L1, L2

Module - 5

Permissions, Performance and Security, Firebase and AdMob, Publish//

08

Textbook 1: Lesson 13,14,15

RBT: L1, L2

Course outcomes: The students should be able to:

- Create, test and debug Android application by setting up Android development environment
- Implement adaptive, responsive user interfaces that work across a wide range of devices.
- Infer long running tasks and background work in Android applications
- Demonstrate methods in storing, sharing and retrieving data in Android applications
- Analyze performance of android applications and understand the role of permissions and security
- Describe the steps involved in publishing Android application to share with the world

Question Paper Pattern:

- The question paper will have ten questions.
- Each full Question consisting of 20 marks

- 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.
- 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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