

# Bhoj Reddy Engineering College for Women: Hyderabad

## Department of Information Technology

Lesson plan of faculty member for the academic year 2017-18

Class: IV B Tech

Branch-Section: IT-A

Semester: I

Subject: Mobile Application Development

Lectures per week: 4+1(Tutorial)

Lecture Number	Topics to be covered	Date(s)
<b>UNIT – I: J2ME Overview</b>		
1	Java 2 Micro Edition and the World of Java	13 July 2017
2	Inside J2ME	14 July 2017
3	Tutorial (G3, G2, G1) - introduction to JAVA	12,13,14 July 2017
4	J2ME and Wireless Devices	18 July 2017
5	Small Computing Technology	20 July 2017
6	Wireless Technology	21 July 2017
7	Tutorial (G3, G2, G1) – wireless Small Computing devices	19, 20, 21 July 2017
8	Radio Data Networks	24 July 2017
9	Microwave Technology, Mobile Radio Networks	25 July 2017
10	Messaging	27 July 2017
11	Personal Digital Assistants	28 July 2017
12	Tutorial (G3, G2, G1) - Wireless Technology	26, 27, 28 July 2017
<b>UNIT – II: J2ME Architecture and Development Environment</b>		
13	J2ME Architecture, Small Computing Device Requirements	31 July 2017
14	MIDlet Programming, Java Language for J2ME	1 August 2017
15	J2ME Software Development Kits	3 August 2017
16	Hello World J2ME Style	4 August 2017
17	Tutorial (G3, G2, G1) - MIDlet life cycle	2, 3, 4 August 2017
18	MIDlet Suite, J2ME Wireless Toolkit	7 August 2017
19	The Reality of Working in a J2ME World	8 August 2017
20	J2ME: Best Practices	10 August 2017
21	J2ME: Best Practices	11 August 2017
22	Tutorial (G3, G2, G1) - J2ME installation	9, 10, 11 August 2017
<b>UNIT – III: Commands, Items and Event Processing</b>		
23	J2ME User Interfaces,	17 August 2017
24	Display Class, The Palm OS Emulator	18 August 2017
25	Tutorial (G3, G2, G1) – User interfaces	16, 17,18 August 2017
26	Command Class, Item Class	21 August 2017
27	Exception Handling	22 August 2017
28	High-Level Display: Screen Class, Alert Class	24 August 2017
29	Tutorial (G3, G2) – High level display	23, 24, August 2017
30	Form and Item Classes, List Class	28 August 2017
31	Text Box Class, Ticker Class	29 August 2017
32	Low-Level Display: Canvas: The Canvas	31 August 2017
33	User Interactions	1 September 2017
34	Tutorial (G3, G2, G1) - Canvas	30, 31 August,1 September 2017
35	Graphics	11 September 2017
36	Clipping Regions, Animation	12 September 2017
<b>UNIT – IV: Record Management System</b>		
37	Record Management System: Record Storage	14 September 2017
38	Writing and Reading Records	15 September 2017
39	Tutorial (G3, G2, G1) - Record store	13, 14, 15 September 2017

40	Record Enumeration	18 September 2017
41	Sorting Records	19 September 2017
42	Searching Records	21 September 2017
43	Record Listener	22 September 2017
44	Tutorial (G2, G1) – Record Enumeration	21, 22 September 2017
45	JDBC Objects: The Concept of JDBC, Transaction Processing	3 October 2017
46	JDBC Driver Types	5 October 2017
47	JDBC Packages, Overview of the JDBC Process	6 October 2017
48	Tutorial (G3, G2, G1) – JDBC Drivers	4, 5, 6 October 2017
49	Database Connection,	9 October 2017
50	Statement Objects	10 October 2017
51	ResultSet	12 October 2017
52	ResultSet Meta Data	13 October 2017
53	Tutorial (G3, G2, G1) - ResultSet	11, 12, 13 October 2017
54	Data Types	16 October 2017
55	Exceptions	17 October 2017
56	JDBC and Embedded SQL: Model Programs	19 October 2017
57	Tables, Indexing	20 October 2017
58	Tutorial (G2, G1) - SQL	19, 20 October 2017
59	Inserting Data into Tables, Selecting Data from a Table	23 October 2017
60	Metadata, Updating Tables	24 October 2017
61	Deleting Data form a Table	26 October 2017
62	Joining Tables	27 October 2017
63	Tutorial (G3, G2, G1) - Metadata	25, 26, 27 October 2017
64	Calculating Data, Grouping and Ordering Data	30 October 2017
65	Sub-Queries, Views	31 October 2017
<b>UNIT – V: Generic Connection Framework</b>		
66	The Connection	2 November 2017
67	Hypertext Transfer Protocol	3 November 2017
68	Tutorial (G3, G2, G1) – connection framework	1, 2, 3 November 2017
69	Communication Management Using HTTP Commands	6 November 2017
70	Session Management, Transmit as a background process	7 November 2017

### **Text books:**

1. J2ME: The Complete Reference, James Keogh, Tata Mc GrawHill.
2. Programming for Mobile and Remote Computers, G.T. Thampi, dreamtech press.

Name and signature of the faculty: G N Ramesh

Name and signature of Head of the Department: K Sandeep Kumar