

Bhoj Reddy Engineering College for Women: Hyderabad

Department of Information Technology

Lesson plan of faculty member for the academic year 2016-17

Class: IV B Tech

Branch-Section: IT-B

Semester: I

Subject: Mobile Application Development

Lectures per week: 4+1(Tutorial)

Lecture Number	Topics to be covered	Date(s)
UNIT – I: J2ME Overview		
1	Java 2 Micro Edition and the World of Java	13 June 2016
2	Inside J2ME	14 June 2016
3	J2ME and Wireless Devices	17 June 2016
4	Small Computing Technology	18 June 2016
5	Tutorial (G2, G3, G1) – World of JAVA	15, 16, 18 June 2016
6	Wireless Technology	20 June 2016
7	Radio Data Networks	21 June 2016
8	Microwave Technology	24 June 2016
9	Mobile Radio Networks	25 June 2016
10	Tutorial (G2, G3, G1) – Wireless Technology	22, 23, 25 June 2016
11	Messaging	27 June 2016
12	Personal Digital Assistants	28 June 2016
UNIT - II: J2ME Architecture and Development Environment		
13	J2ME Architecture, Small Computing Device Requirements	1 July 2016
14	MIDlet Programming, Java Language for J2ME	2 July 2016
15	Tutorial (G2, G3, G1) – MIDlet Programming	29, 30 June, 2 July 2016
16	J2ME Software Development Kits	4 July 2016
17	Hello World J2ME Style	5 July 2016
18	Multiple MIDlets in a MIDlet Suite	8 July 2016
19	J2ME Wireless Toolkit	9 July 2016
20	Tutorial (G1) – J2ME Installation	9 July 2016
21	J2ME Best Practices and Patterns: The Reality of Working in a J2ME World	11 July 2016
22	Best Practices	12 July 2016
UNIT – III: Commands, Items and Event Processing		
23	J2ME User Interfaces,	15 July 2016
24	Display Class, The Palm OS Emulator	16 July 2016
25	Tutorial (G2, G3, G1) – User interface	13, 14, 16 July 2016
26	Command Class, Item Class	18 July 2016
27	Exception Handling	19 July 2016
28	High-Level Display: Screen Class, Alert Class	22 July 2016
29	Form Class, Item Class	23 July 2016
30	Tutorial (G2, G3, G1) – High level display	20, 21, 23 July 2016
31	List Class	25 July 2016
32	Text Box Class, Ticker Class	26 July 2016
33	Low-Level Display: Canvas: The Canvas	29 July 2016
34	User Interactions	30 July 2016
35	Tutorial (G2, G3, G1) – Low level Display	27, 28, 30 July 2016
36	Graphics	2 August 2016
37	Clipping Regions, Animation	5 August 2016
UNIT – IV: Record Management System		
38	RMS :Record Storage Reading & writing	6 August 2016
39	Tutorial (G2, G3, G1) - Recordstore	3, 4, 6 August 2016
40	Record Enumeration	16 August 2016

41	Sorting Records	19 August 2016
42	Searching Records, Record Listener	20 August 2016
43	Tutorial (G2, G3, G1) – Record Enumeration	17, 18, 20 August 2016
44	The Concept of JDBC, Transaction Processing	22 August 2016
45	JDBC Driver Types	23 August 2016
46	JDBC Packages	26 August 2016
47	Overview of the JDBC Process	27 August 2016
48	Tutorial (G2, G1) – JDBC Drivers	24, 27 August 2016
49	Database Connection	29 August 2016
50	Statement Objects	30 August 2016
51	Result set	2 September 2016
52	ResultSet Meta Data	3 September 2016
53	Tutorial (G2, G3, G1) - ResultSet	31, 1 August, 3 September 2016
54	Data Types, Exceptions	6 September 2016
55	JDBC and Embedded SQL : Model Programs	9 September 2016
56	Tables, Indexing	10 September 2016
57	Tutorial (G2, G3, G1) – SQL Queries	7, 8, 10 September 2016
58	Inserting Data into Tables, Selecting Data from a Table	13 September 2016
59	Metadata, Updating Tables, Deleting Data form a Table	16 September 2016
60	Joining Tables	17 September 2016
61	Tutorial (G2, G3, G1) – Joining tables	14, 15, 17 September 2016
62	Calculating Data, Grouping and Ordering Data	19 September 2016
63	Sub-Queries	20 September 2016
64	Views	23 September 2016
UNIT – V: Generic Connection Framework		
65	The Connection	24 September 2016
66	Tutorial (G2, G3, G1) – connection framework	21, 22, 24 September 2016
67	Hypertext Transfer Protocol	26 September 2016
68	Communication Management Using HTTP Commands	27 September 2016
69	Session Management	1 October 2016
70	Tutorial (G2, G3, G1) - HTTP	28, 29 September, 1 October 2016
71	Transmit as a background process	3 October 2016
72	Transmit as a background process	4 October 2016
73	Review on previous papers	28 October 2016
74	Review on previous papers	29 October 2016
75	Tutorial (G2, G3, G1) – Review on topics	26, 27, 29 October 2016
76	Review on previous papers	31 October 2016
77	Review on previous papers	1 November 2016

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: G Srinivasa Rao