APPENDIX 1

MOBILE USER FORECAST STATISTICS

Five-year forecast statistics of Ambient Insight Research Report*

*Ambient Insight Research Report: http://www.ambientinsight.com/Resources/
APPENDIX 2

STRUCTURE OF CC/PP PROFILE

Generic CC/PP profile graph* that can be used to describe device capability is as shown below.

*Generic structure CC/PP profile graph:
http://www.w3.org/TR/2007/WD-CCPP-struct-vocab2-20070430
APPENDIX 3

CALRO USAGE ENVIRONMENT

CALRO Usage in Context-aware Adaptive Delivery Process
APPENDIX 4

SCREENSHOTS

Login in three different learning device environments (PC, Feature Phone and Smart Phone)

Login Screens in different device environments
Course Structure in three different learning device environments (PC, Feature Phone and Smart Phone)
APPENDIX 5

TEST QUESTIONNAIRE

Selected sample items of the questionnaire

1. Which of the following operations is performed more efficiently by doubly linked list than by singly linked list?
   A) Deleting a node whose location in given
   B) Searching of an unsorted list for a given item
   C) Inverting a node after the node with given location
   D) Traversing a list to process each node

2. State True of False.
   i) Network is a graph that has weights or costs associated with it.
   ii) An undirected graph which contains no cycles is called a forest.
   iii) A graph is said to be complete if there is no edge between every pair of vertices.
   A) True, False, True
   B) True, True, False
   C) True, True, True
   D) False, True, True

3. A graph is said to be ……………… if the vertices can be split into two sets V1 and V2 such there are no edges between two vertices of V1 or two vertices of V2.
   A) Partite
   B) Bipartite
   C) Rooted
   D) Bisects

4. In Breadth First Search of Graph, which of the following data structure is used?
   A) Stack.
   B) Queue.
   C) Linked List.
   D) None of the above.
Dr. M.G.R. Educational and Research Institute

Course Code: CSE 003
Course Title: Data Structures

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<thead>
<tr>
<th>Question</th>
<th>Choice</th>
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<tr>
<td>A directed graph is .................................. if there is a path from each vertex to every other vertex in the digraph.</td>
<td>A  Weekly connected</td>
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<td>B  Strongly Connected</td>
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<td>C  Tightly Connected</td>
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<td>D  Linearly Connected</td>
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Answer: B