Sub Committee for Curriculum Development

030122509 T3373 - Introduction to Android Programming

Specialization: Application Programming

Course Name: Introduction to Android Programming

(UG/PG): UG

Number of Credits: 02

Level: 03

Learning Objective(s):

1. To impart the fundamentals concepts of mobile technologies
2. To understand Android Framework

Pre-requisites:

1. Java SE

Pedagogy:

- Lab Sessions,
- Lectures,
- Discussions,

Course Outline:

<table>
<thead>
<tr>
<th>Sr. No.</th>
<th>Topics</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Introduction - Mobile Application Development and various application development frameworks</td>
<td>06</td>
</tr>
<tr>
<td>2.</td>
<td>Introduction to Android, Architecture, Android SDK, Advantages, IDE and build process</td>
<td>06</td>
</tr>
<tr>
<td>3.</td>
<td>Building blocks of Android, Activity life-cycle, LogCat</td>
<td>04</td>
</tr>
</tbody>
</table>
4. Creating UI with activity, Views – TextView, EditText, Button, RadioButton, CheckBox, RatingBar, SeekBar

5. Layouts – Linear, Relative, Frame, Grid and ScrollView

<p>| | | | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Total 30

Book Recommended:

Hello, Android by Ed Burnette
Head First Android Development by Jonathan Simon
Beginning Android 4 Application Development by Wei-Meng Lee

Research Papers/Articles recommended for reading:

Suggested Evaluation Methods:

- Quiz,
- Assignments,
- Written exam,
- Practical exam

Parallel/Similar courses the existing curriculum:

<table>
<thead>
<tr>
<th>S.No.</th>
<th>Name of the course</th>
<th>Institute where it was offered</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Name of Member                      Shrikant Mapari | Harsad Gune | Vidya Patkar
Designation                        Assistant Professor | Associate Professor | Assistant Professor
Org. / Inst.                      SICSRR | SICSRR | SICSRR
Signature                          

Name of the Expert:

Signature:

Date: