

Vishaka Govt. Degree College For Women



Certificate Course On Mobile App Development



CONDUCTED BY
DEPARTMENT OF COMPUTER SCIENCE

COURSE OBJECTIVES -----

- Introduction to Web Technologies
- Bootstrap
- Features of full-stack mobile development environments
- Android SDK
- Phonegap
- Live Project

Faculty

Mr Md.Shahensha
Android App Developer
Care Software Solutions

Course Coordinator
D.Aruna Padma
Lecture in computer science

Course Director
Dr. S. Shobha Rani
PRINCIPAL

MOBILE APP DEVELOPMENT CERTIFICATE C COURSE CONTENT

Hour	Course Content
1	Introduction to Web Technologies
2	HTML-Migration, Graphics(Canvas,Svg), Media,Video,Audio,Youtube, Geo Locations
3	CSS3 Rounded Corners, Border Images, Backgrounds, Shadows, Text-Effects, 3d Transforms, Transitions, Button
4	JAVA SCRIPT & JQUERY(ANIMATION PLUGIN)
5	Angular JS Basics
6	PHP (CRUD BASICS) & MySQL Basics
7	Introduction to BootStrap
8	BootStrap Buttons, Images, Tables
9	BootStrap Glyph Icons,Pagination, Dropdowns, Collapse, Navbars
10	BootStrap Forms, Carousel, Modal, Popover,
11	Grid SystemGrid Xsmall, Grid Small, Grid Medium, Grid Large, Grid Xlarge,
12	BootStrap- Basic Templates
13	Introduction to Mobile App Development - Recent Trends and Opportunities
14	Features of full-stack mobile development environments (Client & Server)
15	mobile development frameworks-Xcode, Android Studio, Apache Cordova, Xamarin, React Native, Ionic
16	Building hybrid mobile apps About XAMPP Server
17	Installations of XAMPP SERVER & IDE(EDIT PLUS)
18	Introduction to Android APP Development
19	Android SDK installations, Installation of cordova js.
20	Configuration with phonegap
21	Designing and Developing App contents
22	App compilations
23	Utilize rapid prototyping techniques to design and develop sophisticated mobile interfaces
24	Basic Widgets; Themes and other UI customizations
25	2d and 3d graphics, Animations
26	Live Project - Android App development-Design
27	
28	Live Project- Title : Location Based Garbage Management System with for Smart City-
29	Development
30	Assessment & Summarizing the Course

STUDENTS ENROLLED

Students Enrolled.

CLASS: BSc - MPCs (III Year)

1.	A. SWAPNA	A. SWAPNA
2.	B. MUTHYALAMMA	B. MUTHYALAMMA
3.	D. RIJUTHA	D. RIJUTHA
4.	D. ASWINI	D. ASWINI
5.	G. INDRANATHI	G. INDRANATHI
6.	G. BHAGYA SRI	G. BHAGYA SRI
7.	H. KAVYA	H. KAVYA
8.	K. GOWRISWARI	K. GOWRISWARI
9.	M. CHANDRIKA	M. CHANDRIKA
10.	N. MADHURI	N. MADHURI
11.	N. PRASANTHI	N. PRASANTHI
12.	P. PADMA	P. PADMA
13.	R. DIVYA	R. DIVYA
14.	R. GAYATHRI	R. GAYATHRI
15.	R. MOUNIKA	R. MOUNIKA
16.	S. SWARURA	S. SWARURA
17.	S. DEEPIKA SAHU	S. DEEPIKA SAHU
18.	T. BHARGAVI	T. BHARGAVI
19.	P. SAI LAKSHMI	P. SAI LAKSHMI
20.	S. NAGAMANI	S. NAGAMANI

	5/2/20	6/2/20	7/2/20	10/2/20	11/2/20	12/2/20	13/2/20	14/2/20	15/2/20	17/2/20
1	A. Swapna	A. Swapna	A. Swapna	A. Swapna	A. Swapna	A. Swapna	A. Swapna	A. Swapna	A. Swapna	A. Swapna
2	B. Mutyalamma	-	B. Mutyalamma	-	B. Mutyalamma	B. Mutyalamma	B. Mutyalamma	B. Mutyalamma	B. Mutyalamma	B. Mutyalamma
3	D. Rijutha	-	D. Rijutha	D. Rijutha	-	-	-	D. Rijutha	-	-
4	D. Aswani	D. Aswani	D. Aswani	D. Aswani	D. Aswani	-	D. Aswani	D. Aswani	D. Aswani	D. Aswani
5	G. Indravathi	-	G. Indravathi	-	G. Indravathi	G. Indravathi	-	-	-	G. Indravathi
6	G. Bhagya Sri	-	G. Bhagya Sri	G. Bhagya Sri	G. Bhagya Sri	G. Bhagya Sri	G. Bhagya Sri	G. Bhagya Sri	G. Bhagya Sri	G. Bhagya Sri
7	H. Kavya	-	H. Kavya	H. Kavya	H. Kavya	H. Kavya	H. Kavya	H. Kavya	H. Kavya	H. Kavya
8	G. Gowriswari	K. Gowriswari	K. Gowriswari	K. Gowriswari	K. Gowriswari	K. Gowriswari	K. Gowriswari	K. Gowriswari	K. Gowriswari	K. Gowriswari
9	M. Chandrika	M. Chandrika	M. Chandrika	-	M. Chandrika	M. Chandrika	M. Chandrika	M. Chandrika	M. Chandrika	M. Chandrika
10	N. Madhuri	-	N. Madhuri	N. Madhuri	-	N. Madhuri	N. Madhuri	N. Madhuri	N. Madhuri	N. Madhuri
11	N. Prasanti	Prasanthi	Prasanthi	N. Prasanthi	N. Prasanthi	N. Prasanthi	N. Prasanthi	N. Prasanthi	Prasanthi	-
12	P. Padma	P. Padma	P. Padma	P. Padma	-	P. Padma	P. Padma	P. Padma	P. Padma	P. Padma
13	R. Divya	R. Divya	R. Divya	R. Divya	R. Divya	R. Divya	R. Divya	R. Divya	R. Divya	R. Divya
14	R. Gayathri	Gayathri	Gayathri	R. Gayathri	Gayathri	R. Gayathri	R. Gayathri	R. Gayathri	R. Gayathri	R. Gayathri
15	R. Mounika	R. Mounika	R. Mounika	R. Mounika	R. Mounika	R. Mounika	R. Mounika	R. Mounika	R. Mounika	R. Mounika
16	S. Swarupa	S. Swarupa	S. Swarupa	S. Swarupa	S. Swarupa	S. Swarupa	S. Swarupa	S. Swarupa	S. Swarupa	S. Swarupa
17	S. Deepika Sahu	Deepika	Deepika	S. Deepika Sahu	Deepika	S. Deepika Sahu	S. Deepika Sahu	S. Deepika Sahu	-	S. Deepika Sahu
18	T. Bhargavi	Bhargavi	Bhargavi	-	Bhargavi	Bhargavi	-	Bhargavi	Bhargavi	Bhargavi
19	P. Sai Lakshmi	-	-	P. Sai Lakshmi	-	P. Sai Lakshmi	-	P. Sai Lakshmi	-	P. Sai Lakshmi
20	S. Nagamani	-	-	S. Nagamani	S. Nagamani	S. Nagamani	S. Nagamani	S. Nagamani	-	S. Nagamani

Md Shahensha
Resource Person
(Android App Dev & Core Software Solutions)

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VISAKHA GOVT. DEGREE COLLEGE (W), VISAKHAPATNAM

Department of Computer Science

Assessment Test (Mobile App Development Course) 2019-20

1. Android Is Developed By
a) Apple b)Microsoft c) Google d)Android Inc
2. Android Web Browser Is Based On
a) Chrome b) Open-source Webkit c)Safari d)Firefox
3. Which Code Used By Android Is Not A Open Source.
a) Video Driver b)WiFi Driver c) Device Driver d)Bluetooth Driver
4. Select a component which is NOT part of Android architecture.
a. Android framework b. Libraries c. Linux kernel d. Android document
5. What is AAPT?
a. Android Asset Processing Tool. b. Android Asset Providing Tool.
c. Android Asset Packaging Tool. d. Android Asset Packaging Technique
6. Required folder when Android project is created.
a. build b. build/ c. bin d. bin/
7. Adb stands for
A. Android Drive Bridge. B. Android Debug Bridge.
C. Android Destroy Bridge. D. Android Delete Bridge.
8. Is list data type supported by AIDL?
a. Yes b. No
9. Component which is NOT under the Android application.
a. Content providers b. Resource externalization c. Applications d. Notifications
10. How can you get the type of arguments passed to a function?
A - usingtypeof operator B - usinggetType function C - Both of the above. D - None of the above
11. Which of the following type of variable takes precedence over other if names are same?
A - global variable B - local variable C - Both of the above. D - None of the above.
- 12 - Which of the following jQuery method sets the html contents of an element?

A - `html(val)` B - `setHtml(val)` C - `setInnerHTML(val)` D - None of the above.

13. Which of the following jQuery method returns the outer width (including the border) of an element?

A - `getCSSWidth()` B - `getWidth()` C - `outerWidth([margin])` D - None of the above.

15. Which of the following jQuery method loads a JSON data using an HTTP GET request?

A - `jQuery.get(url, [data], [callback], [type])` B - `jQuerygetJSON(url, [data], [callback])`
C - `jQuery.getScript(url, [callback])` D - `jQuery.post(url, [data], [callback], [type])`

16. AngularJS expressions behave in same way as `ng-bind` directives.

A - false B - true C - None of the above D - All the above

17. Which of the following is true about `ng-disabled` directive?

A - `ng-disabled` directive can enable a given control. C - Both of the above
B - `ng-disabled` directive can disable a given control. D - None of the above

18. Which components can be injected as a dependency in AngularJS?

A - Application Module B - constant C - value D - factory

19. Which of the following bootstrap style of button makes the button size extra small?

A - `.btn-lg` B - `.btn-sm` C - `.btn-xs` D - `.btn-block`

19. Which of the following bootstrap style can be used to create a pager on a page?

A - `.pager` B - `.pagination` C - `.nav` D - None of the above.

20. Which of the following is correct about `data-content` Data attribute of Tooltip Plugin?

A - Sets the default title value if the title attribute isn't present.
B - Defines how the tooltip is triggered.
C - Defines default content value if `data-content` attribute isn't present
D - Delays showing and hiding the tooltip in ms.

21. What is the output of following Javascript?

```
var a = 'cpp';  
var b = 'buzz';  
var c = a/b;  
document.write(c);
```

(A) cppbuzz (B) cpp/buzz (C) NaN (D) None of the above

22. What is default value of any variable in Javascript?

```
var a;  
document.write(a);
```

(A) 0 (B) undefined (C) error (D) NaN

23. What if we put ; after if? does it really affect? Find the output of below Javascript

```
<script>  
var a = 10;  
if(a == 20);  
document.write(a);  
</script>
```

(A) Error (B) Nothing is printed (C) 20 (D) 10

24. Find the output of below for loop in Javascript

```
<script>  
for(vari=0;i<5;i++)  
{
```



```
document.write(i++);
```

```
}
```

```
</script>
```

(A) 01234 (B) 012345 (C) 135 (D) 024

25. Select the option to make a list that lists the items with numbers?

A. OL B List C. DL D. UL E. None

26. For users that use the tab key to navigate websites, what property represents this way of moving from one element to another?

A. a:link B. a:focus C. None D. a:visited E a:active

27. Select the property that is used to change the list style to show roman numerals instead of normal numbers?

A. list-style-type:upper-roman; B. list-bullet-type:roman-numerals; C. list-type:roman;

D. list-style:roman; E. None

28. In CSS,select the property used to set the background color of an image?

A. color B. background-color C. background:color D. color:background E. None

29. In CSS, Select the appropriate option to style an element so that the next element would appear right next to it not underneath it if both elements widths were collectively smaller than the container element?

A. display:horizontal; B. None C display:left; D. display:inline;

30. In CSS,Select the property used to set the spacing in between lines of text?

A. line-height B. line-spacing C. letter-spacing D. Spacing E. None

Assessment Result

Mobile App Development - Certificate Course Assessment

ASSESSMENT PROCEDURE

The successful completion of the certificate course by the participants was determined on the basis of written and Practical examination. Written Examination was conducted in the department on 09/03/2020 comprising of 30 MCQs followed by Practical Examination. Students who have obtained above 35 % marks in the written examination and 50% marks in practical are declared as successful.

Final Scores

Sr.No.	Name of the Student	Written Exam(60)	Practical Score(40)	Total
1	A Swapna	34	30	64
2	B Mutyalamma	50	33	83
3	D Rijutha	36	30	66
4	D Aswani	54	35	89
5	G Indravathi	30	30	60
6	G Bhagya Sri	36	28	64
7	H Kavya	58	39	97
8	K Gowriswari	44	32	76
9	M Chandrika	38	32	70
10	N Madhuri	42	32	74
11	N Prasanthi	52	32	84
12	P Padma	58	38	96
13	R Divya	40	33	73
14	R Gayathri	54	35	89
15	R Mounika	44	35	79
16	S Swarupa	56	35	91
17	S Deepika Sahu	58	36	94
18	T Bhargavi	58	33	91
19	P Sai Lakshmi	54	36	90
20	S Nagamani	54	35	89

Aruna
C.D. Aruna Padma
L¹/Comp. Science

Summary Report

Mobile devices have become ubiquitous and Mobile App Development has seen tremendous rise in corporate & freelance developers

A Certificate course on Mobile App Development has been conducted by Department of Computer Science, Visakha Government Degree College for Women from 23/01/2020 to 04/03/2020 with duration of 30 Hours for BSC-MPCs (Computer Science) Students.

The objectives of the course are to develop the following

Skills

- Students gets expertise and hands on experience in Mobile App Development
- Able to write code inside Mobile App Development environment for multiple platforms
- Able to implement API to support mobile functionality.

Employability opportunities

- Students may get job opportunities in Popular IT industries
- Students can start their own Web and mobile App development as a start-up or freelancer

An External Faculty Mr Md. Shahensha, Android App Developer, Care Software Solutions, has been imparted the course and 20 students attended the course.

The Course content mainly focused on

1. Introduction to Web Technologies
2. Bootstrap
3. Features of full-stack mobile development environments
4. Android SDK
5. Phonegap
6. Live Project

Written exam for 60marks and practical exam for 40marks has been conducted at the end of the course to assess the outcomes where in all students attempted the assessment and completed the course successfully.

Aruna
(D Aruna Padma)
H/Comp. Science