



C. U. SHAH UNIVERSITY
Wadhwan City

FACULTY OF:- Computer Science
DEPARTMENT OF:- Master of Computer Applications
SEMESTER:- IV
CODE:- 5CS04MPH1
NAME:- PROGRAMMING TECHNIQUE-VIII (MC)

Teaching and Evaluation Scheme

Subject Code	Name of the Subject	Teaching Scheme (Hours)				Credits	Evaluation Scheme							
		Th	Tu	Pr	Total		Theory				Practical (Marks)			Total
							Sessional Exam		University Exam		Internal		University	
							Marks	Hrs	Marks	Hrs	Pr/Viva	TW	Pr	
5CS04MPH1	PROGRAMMING TECHNIQUE-VIII (MC)	----	----	04	04	02	----	----	----	----	20	---	80	100

PRACTICAL LIST:

1.	1. Demo of setting up development environment, installing eclipse, ADT plugin, Setting Emulator, package. 2. Simple android app with displaying text on the screen in color, left, right, bottom, center, middle of the screen.
2.	Perform experiments on 1. Launching a new activity by class name 2. Launching an activity belonging to another application. 3. Passing additional information using intents.
3.	Perform experiments on 1. Designing a primary entry point activity using an intent filter 2. Configuring other intent filters 3. Setting up manifest.xml for managing application & activity settings using the application tab, enforcing application permission using the permission tab, managing test instrumentation using the instrumentation tab.
4.	Perform experiments on 1. Specifying supported input methods 2. Specifying required device features 3. Specifying supported screen sizes 4. Registering activities and other application components 5. Permissions.
5.	Perform experiments on 1. Setting up simple resource values using eclipse 2. Accessing resources programmatically 3. Working with string resources 4. Working with string arrays
6.	Perform experiments on 1. Working with integer resources 2. Working with colors 3. Working with dimensions 4. Working with simple drawables



C. U. SHAH UNIVERSITY
Wadhwan City

7.	Perform experiments on 1. Working with images 2. Working with Animation
8.	Perform experiments on 1. Working with Menu
9.	Perform experiments on 1. Working with XML files 2. Working with Raw files 3. Working with resources 4. working with Layouts 5. Working with Style
10.	Perform experiments on 1. TextView, Configuring layout and sizing, Creating contextual links
11.	Perform experiments on 1. EditText, Retriving data from users, auto completion, input filters
12.	Perform experiments on 1. Spinner, giving users input choices 2. Buttons, check boxes and Radio Buttons
13.	Perform experiments on 1. Getting Dates and Times from users. 2. ProgressBar, SeekBar: using indicators to display data to users.
14.	Perform experiments on 1. RatingBar 2. Chronometer 3. Digital clock
15.	Perform experiments on 1. Options and context menu 2. Handling user events
16.	Perform experiments on 1. Working with Dialogs 2. Working with Style 3. Working with Themes
17.	Perform experiments on 1. Creating layouts programmatically 2. View / ViewGroup 3. FrameLayout, LinearLayout, RelativeLayout, TableLayout 4. Multiple Layouts on the Screen.
18.	Perform experiments on 1. Screen with Tabs, TabActivity 2. Adding scrolling support
19.	Perform experiments on 1. Working with Canvases and Paints 2. Working with Animation 3. Working with Bitmaps 4. Working with Shapes
20.	Perform experiments on 1. Data & Storage APIs
21.	Perform experiments on



C. U. SHAH UNIVERSITY
Wadhwan City

	1. Working with SQLite databases
22.	Perform experiments on 1. Working with SQLite databases
23.	Perform experiments on 1. Content providers 2. Browsing the Web with WebView
24.	Perform experiments: Multimedia APIs – Camera, Playing Audio, Playing Video, Send Email.
25.	Perform experiments on 1. Phone Numbers, Phone Call, Monitoring signal strength, service information, Call state 2. Using SMS: Sending & Receiving
26.	Perform experiments to get: Getting Phone Information, Battery status, Manufacturer, Model, SDK Version, SD Card Free Space, Display Matrices, Memory Information,
27.	Perform experiments to get: Active Network Connection, Mobile Vibrate, Sharing Information to Social Media, Push Notification, Keyboard Input Types, Flashlight Torch, Blinking Background Color.