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| **TITLE** | In a rolling display program of news display on a smart TV or Computer Display the input strings are supplied by the mobile phone. Develop necessary app using Scala/ Python/ Java/ C++. |
| **PROBLEM STATEMENT / DEFINITION** | Implement the rolling display program of news display on computer. And develop an android application to display the input string. |
| **OBJECTIVE** | 1. To understand the basics of Android Studio. 2. To develop an android application to display the input string 3. To Display the text massage on smart TV or Computer Display. |
| **S/W PACKAGES AND**  **HARDWARE APPARATUS USED** | 1. Display device. 2. Android mobile. 3. Android studio. 4. Parse library for java and php. |
| **REFERENCES** | <http://www.researchgate.net/publication/261150285_Proposed_Profile_Translation_based_Proactive_Adaptation_using_Context_Management_(PTPACM)_in_Smartphones> http://[www.python.org/download](http://www.python.org/download) (suitable installation for Windows 8 along with IDLE editor ) |
| **STEPS** | Refer to theory, algorithm, test input, test output |
| **INSTRUCTIONS FOR**  **WRITING JOURNAL** | 1. Date 2. Assignment no. 3. Problem definition 4. Learning objective 5. Learning outcome 6. Related Mathematics 7. State transition diagram 8. Concepts related Theory 9. Program code with proper documentation. 10. Output of program. 11. Conclusion and applications (the verification and testing of outcomes) |

**Assignment No. B6.PC-B1**

* **Problem Statement**

In a rolling display program of news display on a smart TV or Computer Display the input strings are supplied by the mobile phone. Develop necessary app using Scala/ Python/ Java/ C++.

* **Prerequisites**

1. Data Structure.
2. Programming language basics.

* **Learning Objectives**
* To understand the basics of Android Studio.
* To develop an android application to display the input string
* To Display the text massage on smart TV or Computer Display.
* **Learning Outcome**

After successfully completing this assignment, you should be able to understand & demonstrate contex awareness.

* **Mathematical Model**

M = {s, e, X, Y, DD, NDD, fme; Memshared; success; f ailure; CP UCoreCount}

s = Initial state - Input text.

e = End state - Display text .

X = Input- To store text.

Y = Output- Text will be Display on Monitor.

DD = Deterministic data- Analysing the text data.

F me = ParseInitializer(API Key) used to store the data on parse account.

Mem shared = No shared Memory is used.

Success = If a input string successfully displayed on display device.

Failure = If network connection is loss.

CPUCoreCount = 1

* **Concepts related Theory**

To display the message. An application that we have developed will take a input string from user and store the input string or build the data structure on parse cloud. And keep on displaying input string unless stop by authorized person or shut down of the system.

Android:

An Android application is a application running on the Android platform. A typical Android application is designed for a smart-phone or a tablet PC running on the Android OS. Because the Android platform is built for mobile devices. Developing an android application to display the input string.

Parse :

Parse is a cloud application platform that enables users to add a scalable and powerful back-end to launch a full-featured application. A parser is a software component that takes input data (frequently text) and builds a data structure. An application that we have developed will take a input string from user and store the input string or build the data structure on parse cloud.

PHP:

PHP is a server-side scripting language designed for web development but also used as a general-purpose programming language.PHP code can be simply mixed with HTML code, or it can be used in combination with various templating engines and web frameworks. PHP code is usually processed by a PHP interpreter, which is usually implemented as a web server's native module or a Common Gateway Interface (CGI) executable. After the PHP code is interpreted and executed, the web server sends the resulting output to its client, usually in the form of a part of the generated web page; for example, PHP code can generate a web page's HTML code, an image, or some other data.

Procedure

1. Build an android application using android studio.
2. Start an xamp server and its services. Localhost/adrot/fetchAD.php

* **Conclusion**

In this way we have studied and implemented rolling display program of news display on Computer. Display the input strings are supplied by the mobile phone.