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Proforma 3 – synopsis of work

1. Proposed Project Title : Power Efficient Android ROM

2. Guided By   : Ms. Bisna N.B

3. Group No   : 10

4. Introduction

One of the biggest downsides of today's android device is the way they utilize power. The maximum battery drain that a stock android device provides is usually less than the optimum or potential battery drain that the device can provide and we have opted this as the theme of our project. We propose to build a customized version of the android system(similar to an operating system) that has a longer battery drain and utilizes memory more efficiently.

Summary of work

This project aims at extending battery life of the android device by removing/making installation optional of the unnecessary/less frequently used stock applications (otherwise termed as bloat wares),incorporating inverted Google applications(Gmail, android play, maps, YouTube etc) and other tweaks in the android kernel. We are compiling the ROM from the source code provided by Google. We would also manage the processor speeds to obtain maximum possible battery drain.

5. Feasibility study

The required hardware specifications for the proposed android software is met by the Aakash tablet and the building of the ROM is found feasible. We have found it feasible to implement the different kernel changes and tweaks proposed on the Aakash tablet as it satisfies the hardware specifications.

6.MODEL

We have opted the Agile modeling methodology in building this ROM.
Therefore we have envisioned a high level structure of the building
process and have prioritized the requirements correspondingly.

7. Facilities required for proposed work

To implement the proposed project we need an Aakash Device to implement
the changes.

8. Bibliography

http://forum.xda-developers.com/
https://developers.google.com/
www.droidforums.net

Name of students   Signature of Students

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