CUSTOMISED POWER EFFICIENT ROM

Process Model

Prepared By:

AJITH K.M – ETAKECSOO4

ANJANA SASIKUMAR – ETAKECS007

K.HARIDAS – ETAKECS026

INTRODUCTION

After the analysis of various modelling methodologies like waterfall model, agile model, incremental model etc, we have chosen the agile model as it suits our project the best.

The reasons are as follows :

* + 1. The Basic Working Model

The proposed system aims to improve the power efficiency of the android device by building a customized android rom which would make the installation of the stock applications optional. Power efficiency will also be improved by making changes to the kernel to bring about controlling the processor speeds to obtain maximum power efficiency.

The process involves removing bloatware or making their installation optional, incorporating inverted Google applications and other tweaks in the Android kernel.

In building the rom from the source code additional features like support for native languages like Malayalam can be brought about.

By implementing the project we hope to extend the battery drain to more than two days.

2. Why Agile Model?

What we are planning to develop is a customised rom for an android device thereby extending its battery life and efficiency. With every new device we find a new feature. The sytem has to adapt itself to every new feature that that the device supports and would therefore require a modelling method that enables constant updation of the requirements. The agile model, unlike other traditional modelling methods, can be applied in a more flexible manner and is therefore considered to be an Adaptive method.

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