



# Currency Identification Mobile Software for the Visually Impaired

CSP 315

# Abstract

Visually impaired people have difficulties in identifying currency. They rely on the size and features of the currency which can result in wrong identification. This project aims to develop a mobile application targeted towards them. The application will be able to recognize Indian currency and determine the denominations.

# Specifications

Platform :

J2ME (Java Micro Edition)

MIDP 2.0 and CLDC 1.0

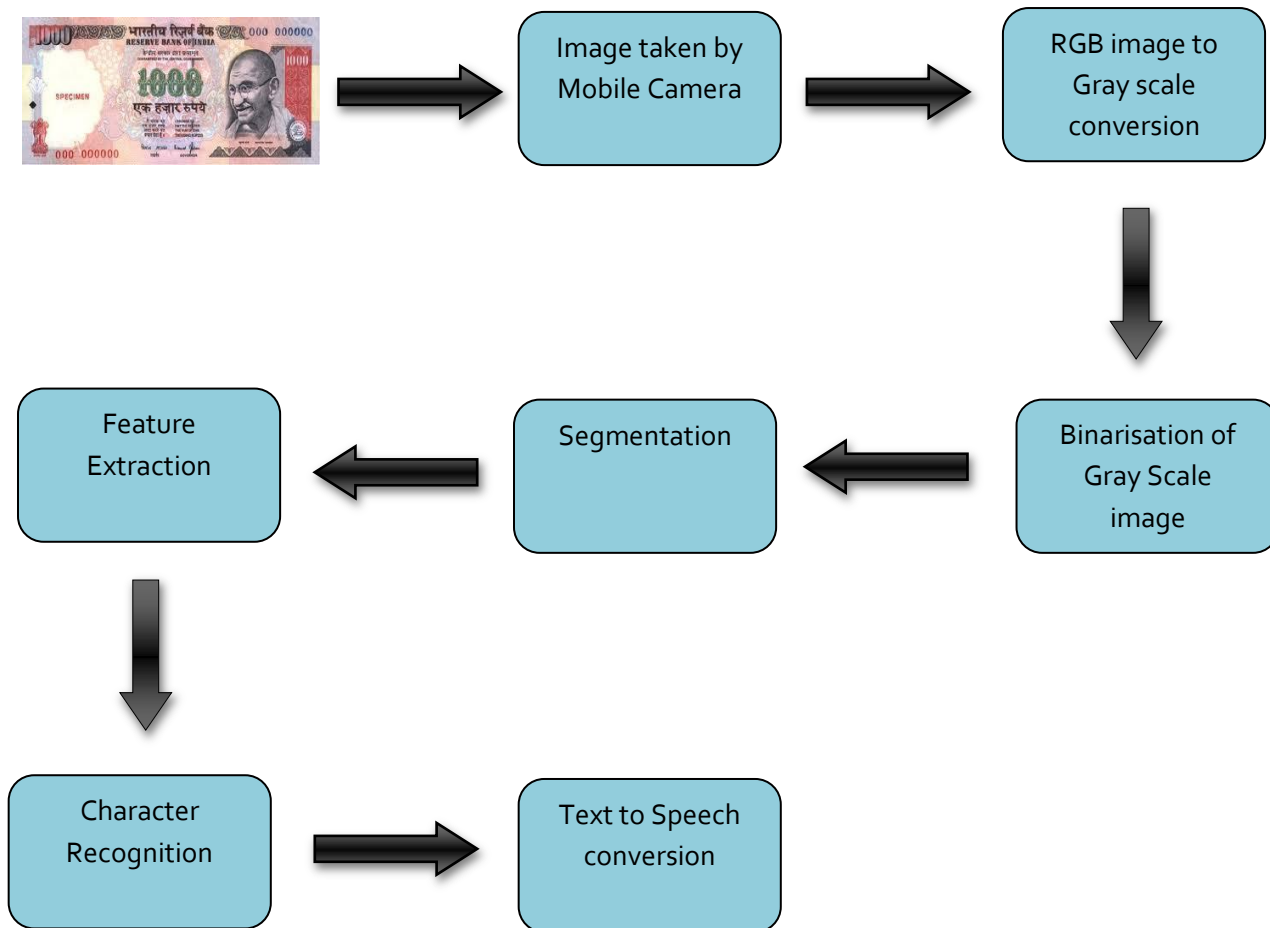
Supported Mobile Operating Systems :

- Symbian S40
- Symbian S60 all editions
- Sony Ericsson OS
- All other Mobile OS which support jar applications such as Android, Blackberry, Windows etc.

# Methodology

Our software guides the user through voice commands. When the user runs application, it guides him to capture the image of the Indian Currency to be identified by his mobile camera. After this, the image processing starts to extract the unique features and identify its denomination. The user is then informed through voice commands.

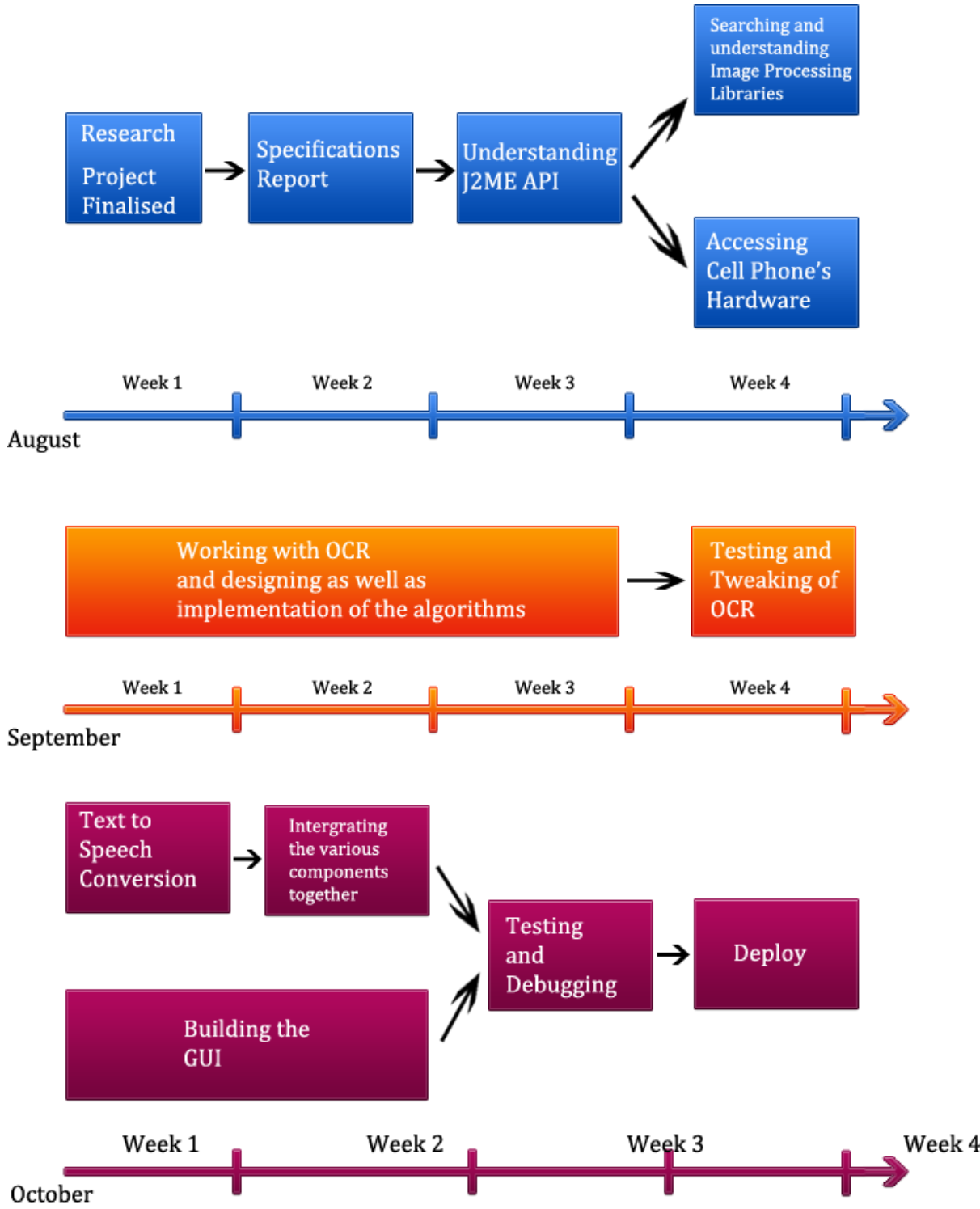
# Block Diagram



# Components Required

- Mobile Phone with Camera (Nokia series 60)
- Nokia Symbian 3 SDK vo8E
- Netbeans IDE/ Eclipse

# PERT Chart



# Task Assignment

Design of Algorithms, Procedures and Research work	Saqib Mumtaz, Vidit Aatrey
Understanding and implementing the JAVA API Framework	Sanjeev Kumar, Sangeet Aggarwal
GUI, Text to Speech and Understanding Platform	Yashdeep Singh ,Vikram Singh Meena

## Web Link

<http://www.rupeereader.webs.com>