MADRAS INSTITUTE OF TECHNOLOGY ANNA UNIVERSITY CHENNAI CHENNAI - 600 044



DEPARTMENT OF INFORMATION TECHNOLOGY

IT5613 - SOCIALLY RELEVANT PROJECT LABORATORY

Semester: 6

Batch: 2

Team No: 5

Title: BraillePulse

S.NO	NAME	ROLL NUMBER	SIGNATURE
1	Abinaya S	2021506002	
2	Dharshan S	2021506018	
3	Hemnath N M	2021506026	
4	Arun N	2021506013	

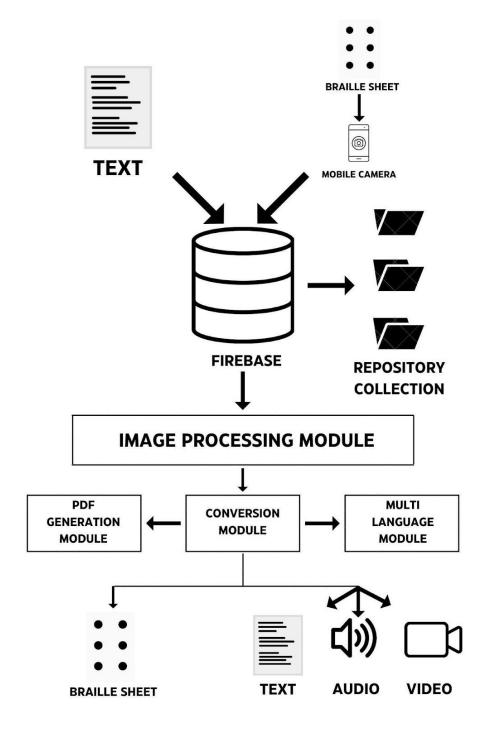
SOCIALLY RELEVANT PROJECT

BRAILLEPULSE- DESIGN MODELS

Aim:

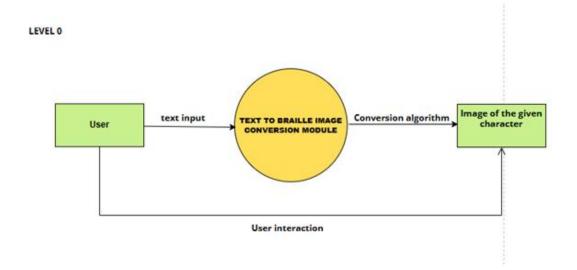
To create design models for BraillePulse mobile application.

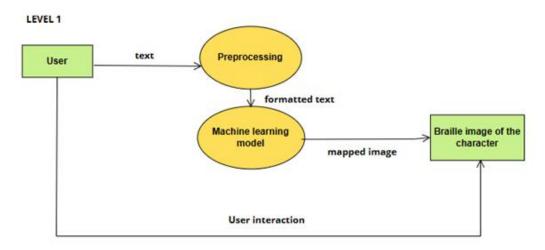
ARCHITECTURE DIAGRAM

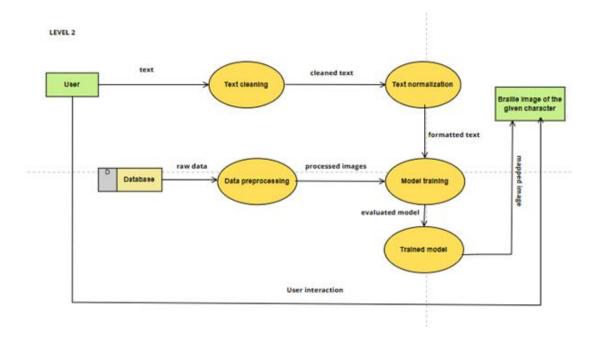


DATA FLOW DIAGRAM

MODULE 1: TEXT TO BRAILLE

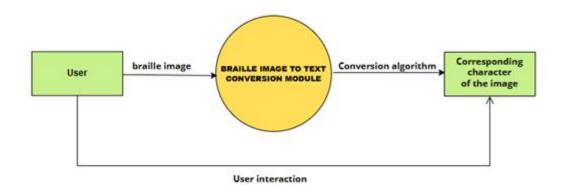


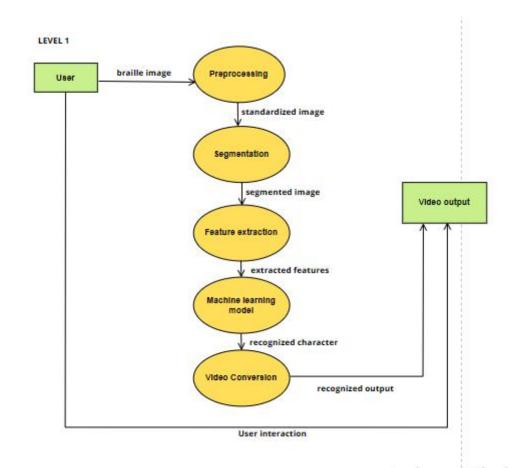


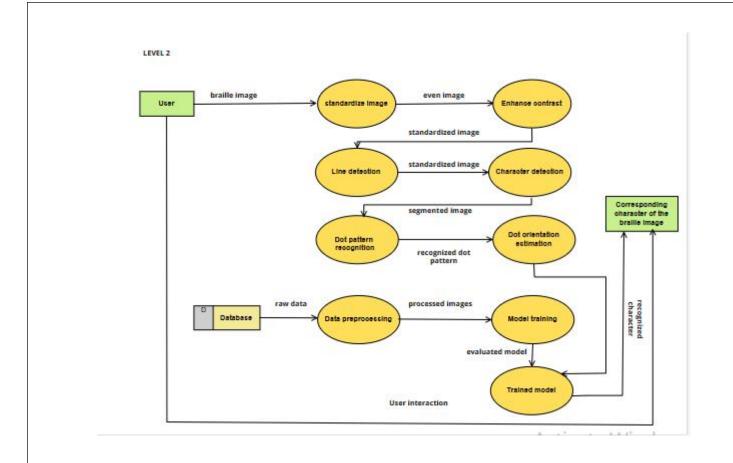


MODULE 2: BRAILLE IMAGE TO TEXT

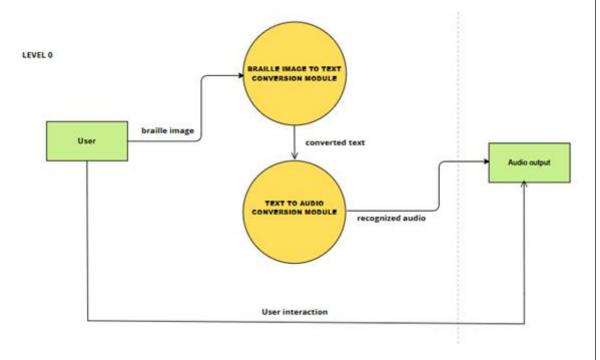
LEVEL 0

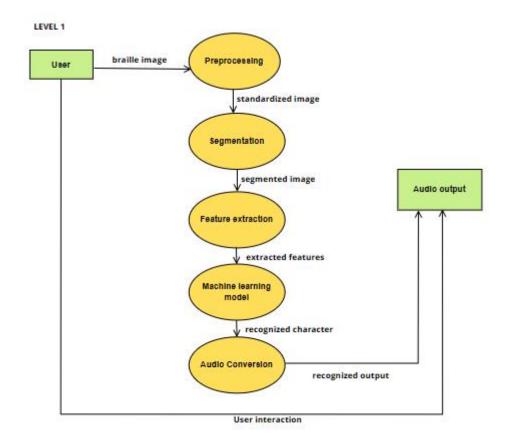


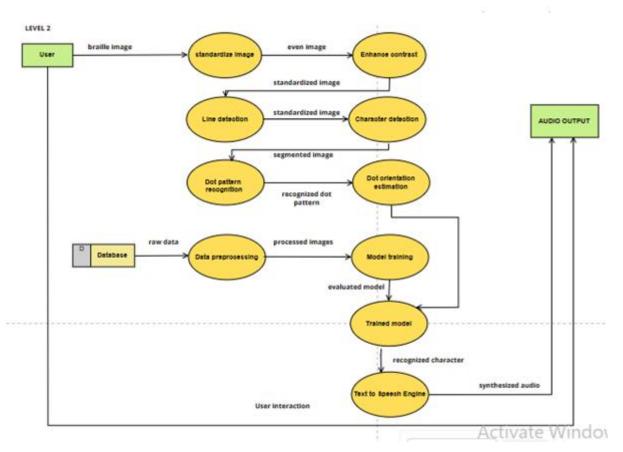




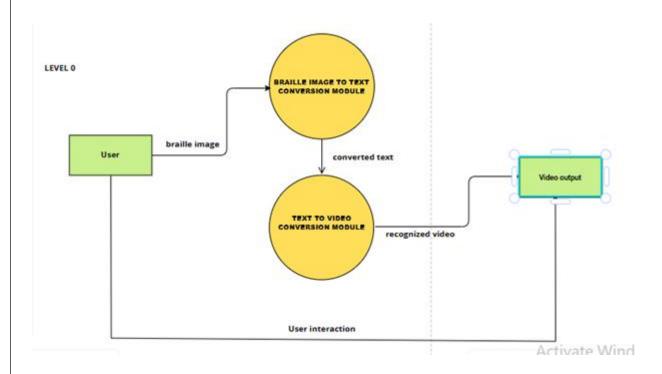
MODULE 3: BRAILLE IMAGE TO AUDIO

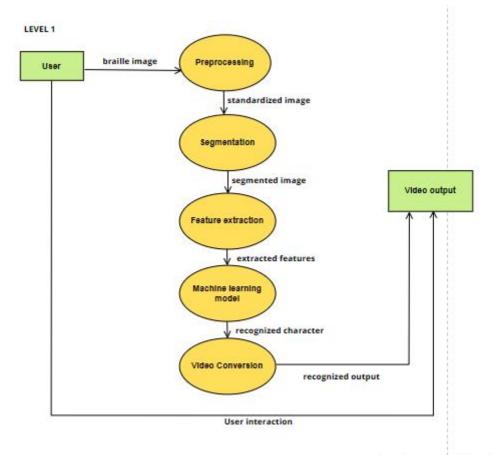


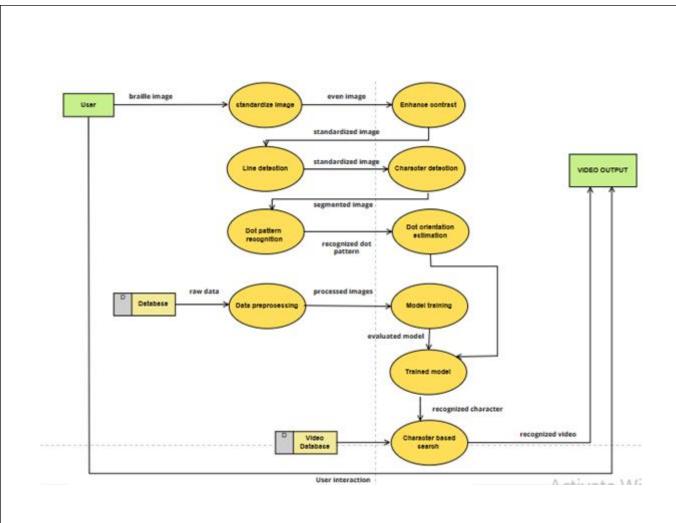




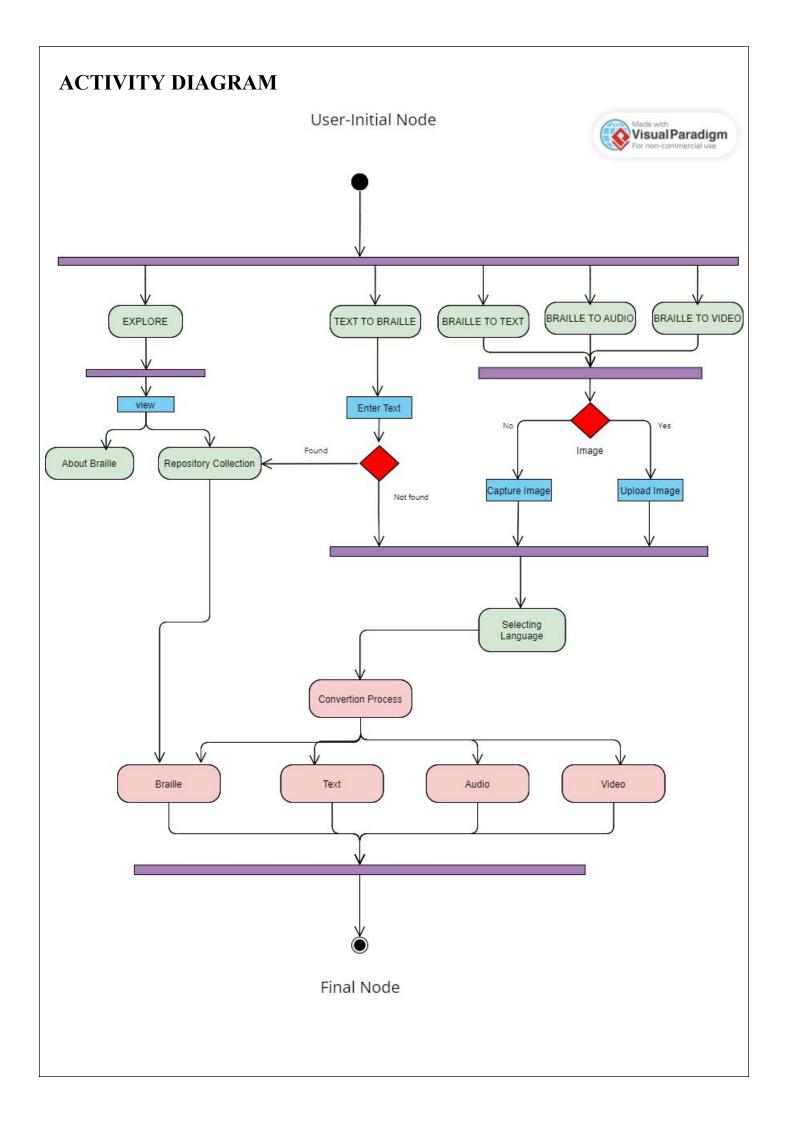
MODULE 4: BRAILLE IMAGE TO VIDEO





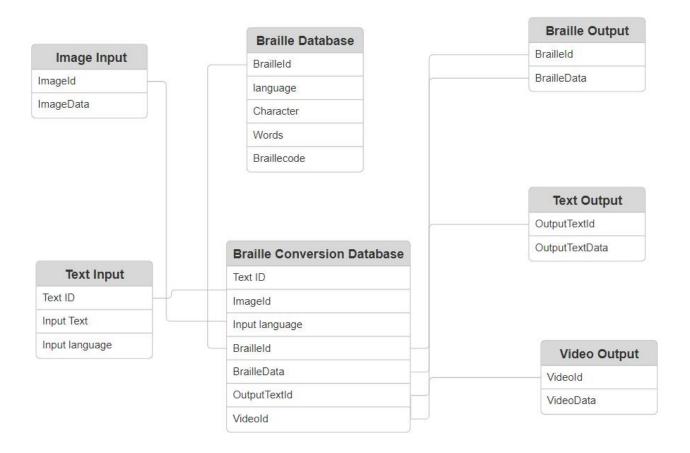


USE CASE DIAGRAM Mobile Application Made with Visual Paradigm View Basics of About Braille Braille View Names, Common Words. Verbs, Synonym Respository Collection EXPLORE TEXT TO BRAILLE <<include>> Enter Text Braille TEXT BRAILLE TO Select Capture Image Language Actor AUDIO BRAILLE TO AUDIO Upload VIDEO BRAILLE TO VIDEO



SEQUENCE DIAGRAM Conversional Module Firebase PDF Multi Langauge Module Conversion Module Enter Text -Convert text to Braille Search braille Images -Braille Images -Convert to PDF Translate • Display Braille in PDF Capture **Convet Captured** image to Braille Display Braille -Upload Convert uploaded image to Braille - Display text Convert Braille to Audio Display text Convert Braille to Audio Play Audio Convert Braille to Video Play Video

DATA DESIGN DIAGRAM



Result:

Thus, the design models for BraillePulse application is created.