

Image to text

uraj Kiran S Nakul A Shinoj Umesh U

Literature survey

Block diagram

Algorithms Canny Transform Skeletonization

Execution Intitial setup

Image to text

Suraj Kiran S Nakul A Shinoj Umesh U

Government Engineering College, Sreekrishnapuram



Overview

Image to text

ouraj Kiran Nakul A Shinoj Umesh U

Literatur survey

Block diagram

Algorithms Canny Transform Skeletonization Machine Learning

Execution Intitial setup Tools Dataset

- 1 Literature survey
- Block diagram
- Algorithms
 Canny Transform
 Skeletonization
 Machine Learning



Literature survey

Image to text

Suraj Kiran Nakul A Shinoj Umesh U

Literature survey

Block diagram

Algorithms
Canny
Transform
Skeletonization
Machine
Learning

Execution Intitial setup Tools Benjamin Z. Yao, Xiong Yang, Liang Lin, Mun Wai Lee and Song-Chun Zhu proposed an image parsing to text description that generates text for images and video content.

Yi-Ren Yeh, Chun-Hao Huang, and Yu-Chiang Frank
Wang presents a novel domain adaptation approach for
solving cross domain pattern recognition problem where
data and features to be processed and recognized are
collected for different domains.



Block diagram

Image to text

Suraj Kiran S Nakul A Shinoj Umesh U

Literature survey

Block diagram

Algorithms

Canny Transform Skeletonization Machine

Execution
Intitial setul

Database Capture Image Canny Transform Machine Learning Skeletonization Skeleton to text Storage



Algorithms

Image to text

ouraj Kiran Nakul A Shinoj Umesh U

Literature survey

Block diagram

Algorithms

Canny Transform Skeletonizati

Learning

Intitial setu

Algorithms



Canny Transform/Edge Detection

Image to text

Suraj Kiran Nakul A Shinoj Umesh U

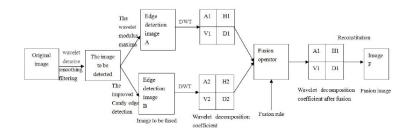
Literature survey

Block diagram

Algorithms Canny

Transform
Skeletonization
Machine
Learning

Execution Intitial setur Tools





Skeletonization/Thinning

Image to text

uraj Kiran Nakul A Shinoj Umesh U

Literatur survey

Block diagram

Algorithms
Canny
Transform

Transform Skeletonization

Execution

Intitial setu Tools Dataset





Image to text

uraj Kiran : Nakul A Shinoj Umesh U

Literatur survey

Block diagram

Algorithms

Canny Transform Skeletonizati Machine

Learning

Execution

Intitial setul

• First item

• Second item

Third item



Machine Learning

Image to text

Suraj Kiran Nakul A Shinoj Umesh U

Literatur survey

Block diagram

Canny Transform Skeletonization Machine

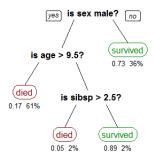
Learning

Execution

Intitial setup Tools Dataset

Decision tree learning

- Uses a decision tree as a predictive model.
- Predictive modeling uses statistics to predict outcomes.





Implementation

Image to text

Suraj Kiran Nakul A Shinoj Umesh U

Literature survey

Block diagram

Algorithm Canny

Transform
Skeletonizatio
Machine
Learning

Execution

Tools
Dataset

Execution



Intitial setup

Image to text

Suraj Kiran Nakul A Shinoj Umesh U

Literatur survey

Block diagram

Algorithms
Canny
Transform
Skeletonization
Machine
Learning

Execution Intitial setup Tools

- Install Android Studio
- Install Anaconda library
- Create new project Android studio
- Download and import OpenCV library to Android studio project



Tools

Image to text

uraj Kiran S Nakul A Shinoj Umesh U

Literatur survey

Block diagram

Algorithms

Canny
Transform
Skeletonization
Machine

Execution
Intitial setur
Tools

- Android Studio
- Anaconda
- OpenCV



Dataset

Image to text

ouraj Kiran Nakul A Shinoj Umesh U

Literatur survey

Block diagram

Algorithms
Canny
Transform
Skeletonization
Machine
Learning

Execution Intitial setup Tools

Tools Dataset

- Skeleton of letters in the alphabet
- One to one maping of skeleton