

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

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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

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Block diagram

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Algorithms

Canny Transform Skeletonization Machine

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



Algorithms

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Algorithms



Canny Transform/Edge Detection

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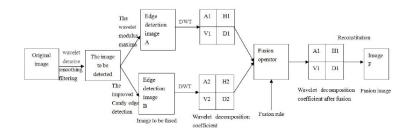
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Skeletonization/Thinning

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Intitial setul

• First item

• Second item

Third item



Machine Learning

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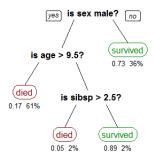
Learning

Execution

Intitial setup Tools Dataset

Decision tree learning

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





Implementation

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Intitial setup

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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

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Tools

- Android Studio
- Anaconda
- OpenCV



Dataset

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Tools Dataset

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