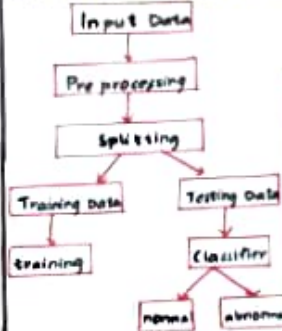


HEART DISEASE PREDICTION

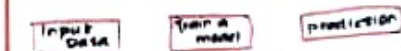
DATA FLOW DIAGRAM



TRADITIONAL METHOD OF HEART DISEASE PREDICTION

- Signs and Symptoms
- Physical Examination
- Analysis
- Disadvantages:**
 - Human errors
 - Delay
 - Improper medication advises

AI in Heart disease prediction



Use algo to conduct chronic disease model:

Advantages:

- Reduced human error
- Reduced delay
- Prior or early prediction

DATA SET COLLECTION

Attribute	Description	Domain value
Age	years	29-69.7
Sex	M, F, others	male(1) female(0)
cp	Chest pain	original
trestbps	blood Sugar	true(1) false(0)
thalach	max heart rate	71-202
ca	major vessels colored by fluoroscopy	0-3
num	Heart disease	0-3

ALGO FOR HEART DISEASE PREDICTION

- K Neighbors : 82%
- Support vector classifier: 82
- Decision Tree classifier: 79%
- Random Forest classifier: 84%



APPLICATIONS

- Medical
 - teach medical students
- Hospitals
 - identify disease
- Patient
 - prior info about disease
 - suggestions for cure

Feature Engineering



PATIENT LIFECYCLE WITH AI



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