

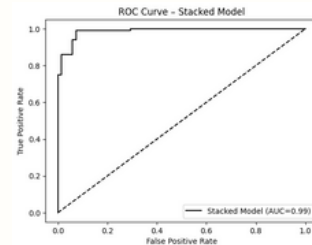
Problem Statement



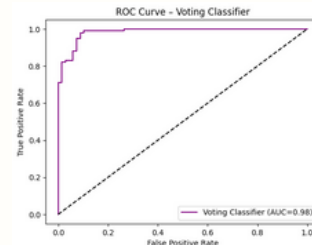
To design and develop a low-cost, non-invasive, multi-sensor device for early detection and monitoring of liver disease

Results

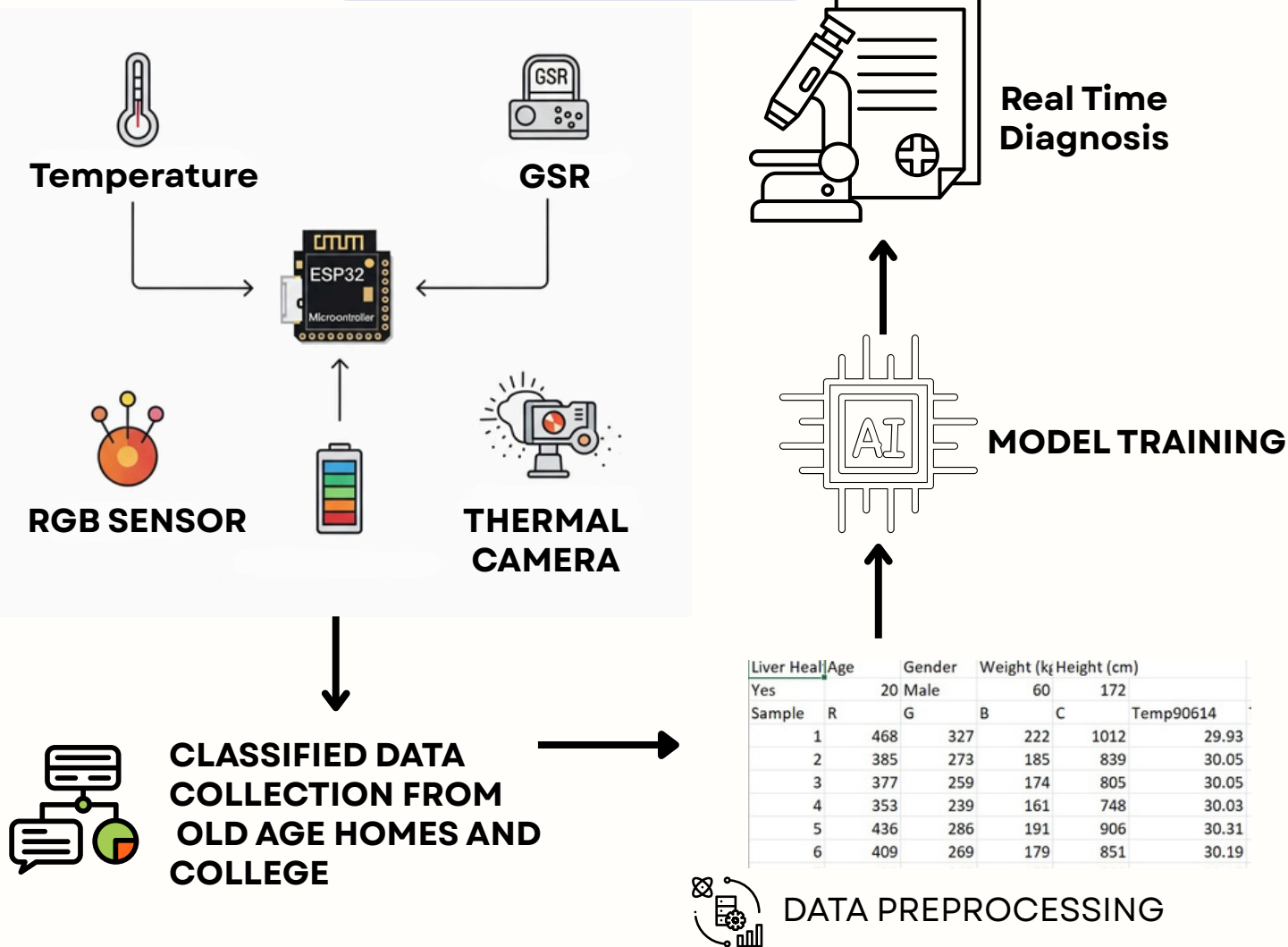
Stacked model:
Accuracy : 95%
AUC score : 0.987



Soft Voted model:
Accuracy : 95%
AUC score : 0.983



Methodology



Tools and Technology



IDE



MODELS

1. Random Forest
2. Logistic Regression
3. Support Vector Machine
4. XgBoost
5. CatBoost

LIBRARIES



Dataset Collection and Interface Photos



Old- Age Homes and College Campus Data Collection



Interface

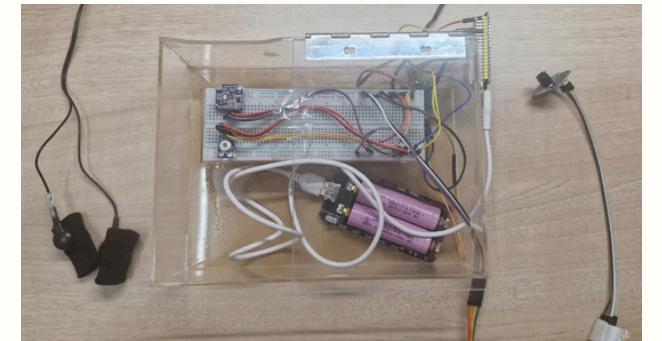
ESP32 Sensor Logger

Liver Healthy: Age:

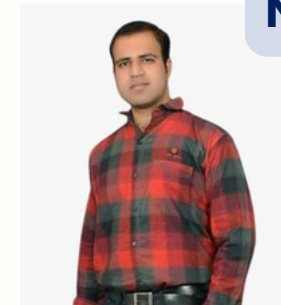
Patient info set: Liver Healthy: Yes, Age: 87, Gender: Male, Weig

Not recording.
[Download CSV](#)

Hardware



Mentors



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Team Members



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