PROBLEM STATEMENT

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LAB REPORT DIGITISATION/OCR

Insurance companies regularly gets health check reports submitted by potential buyers of insurance. We need a way to digitize different kinds of printed lab reports / health check reports to discrete values of each parameter captured. Conversion to a standardized set of digitized value will help in automating lot of backend approval process. Ability to read and classify comments/observations for common parameters will be a big plus When a customer is uploading his health check report regularly, then also a trend chart can be plotted for key parameters. Few sample reports will be provided to the participating teams. Test will be based on that as well as unknown set of health check reports post completion.

TECHNOLOGY STACK

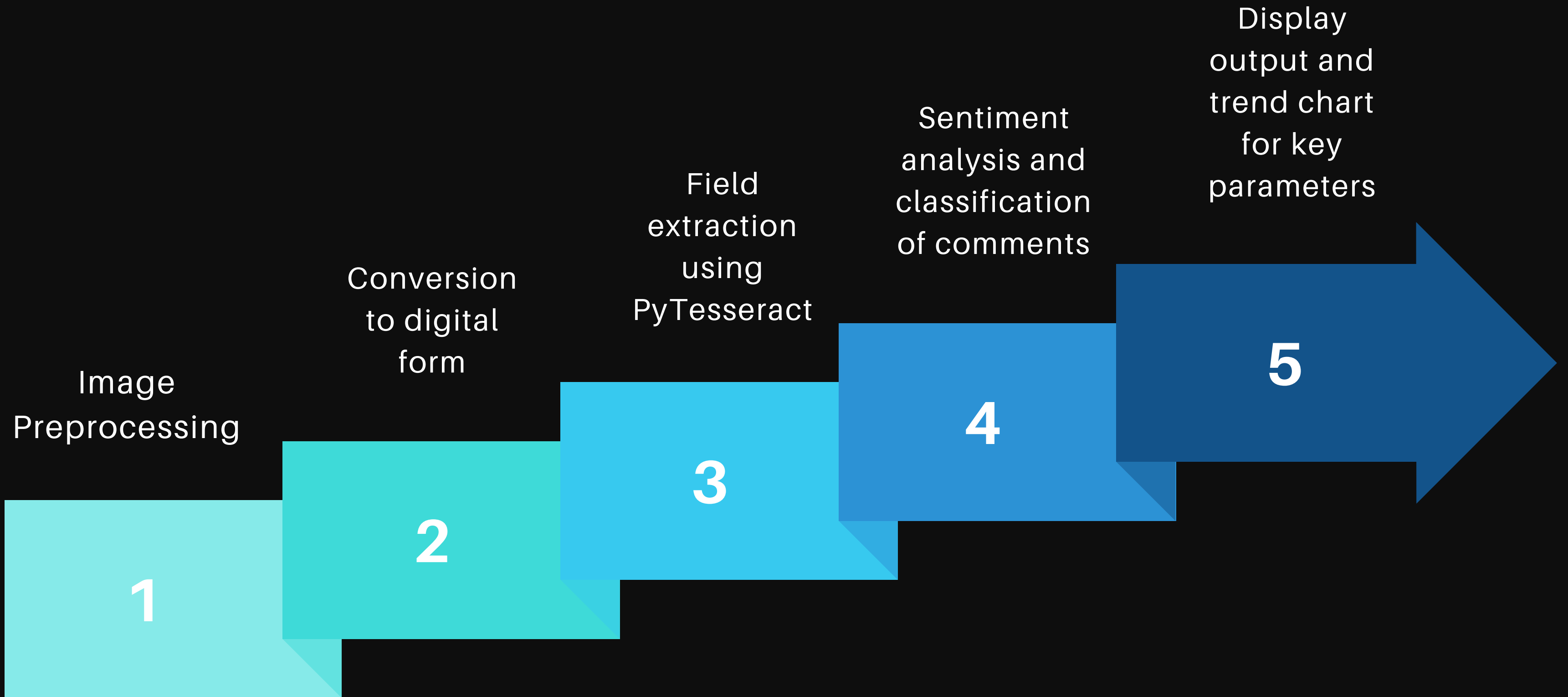- ▶ **PYTORCH**
- ▶ **FIREBASE**
- ▶ **ANDROID STUDIO**
- ▶ **JAVA**
- ▶ **PYTHON**
- ▶ **OPEN CV**
- ▶ **FLASK**
- ▶ **PYTESSERACT**

PLAN OF ACTION

Image Preprocessing

1

Conversion to digital form

2

Field extraction using PyTesseract

3

Sentiment analysis and classification of comments

4

Display output and trend chart for key parameters

5

SAMPLE USER INTERFACE