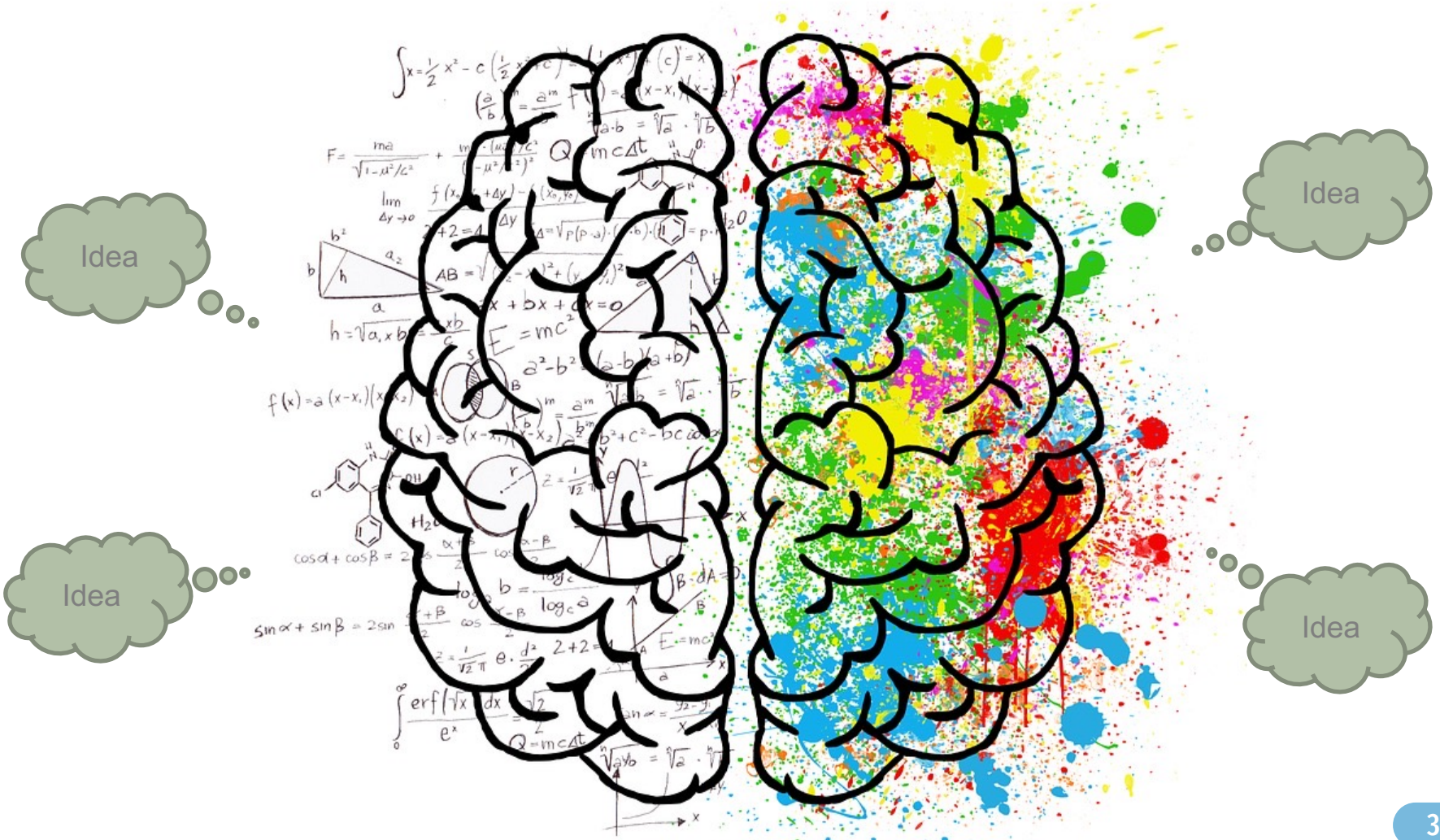
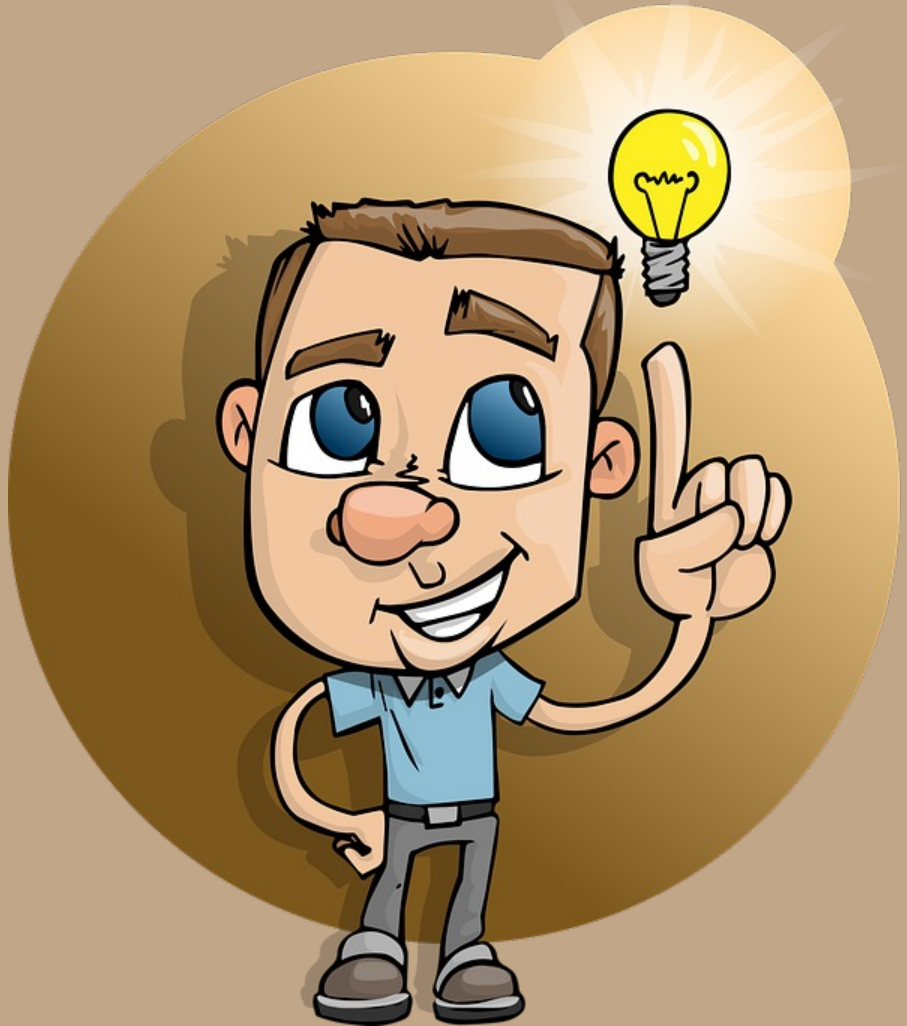
AI based Patent Classification

TD7 - KI Transformation

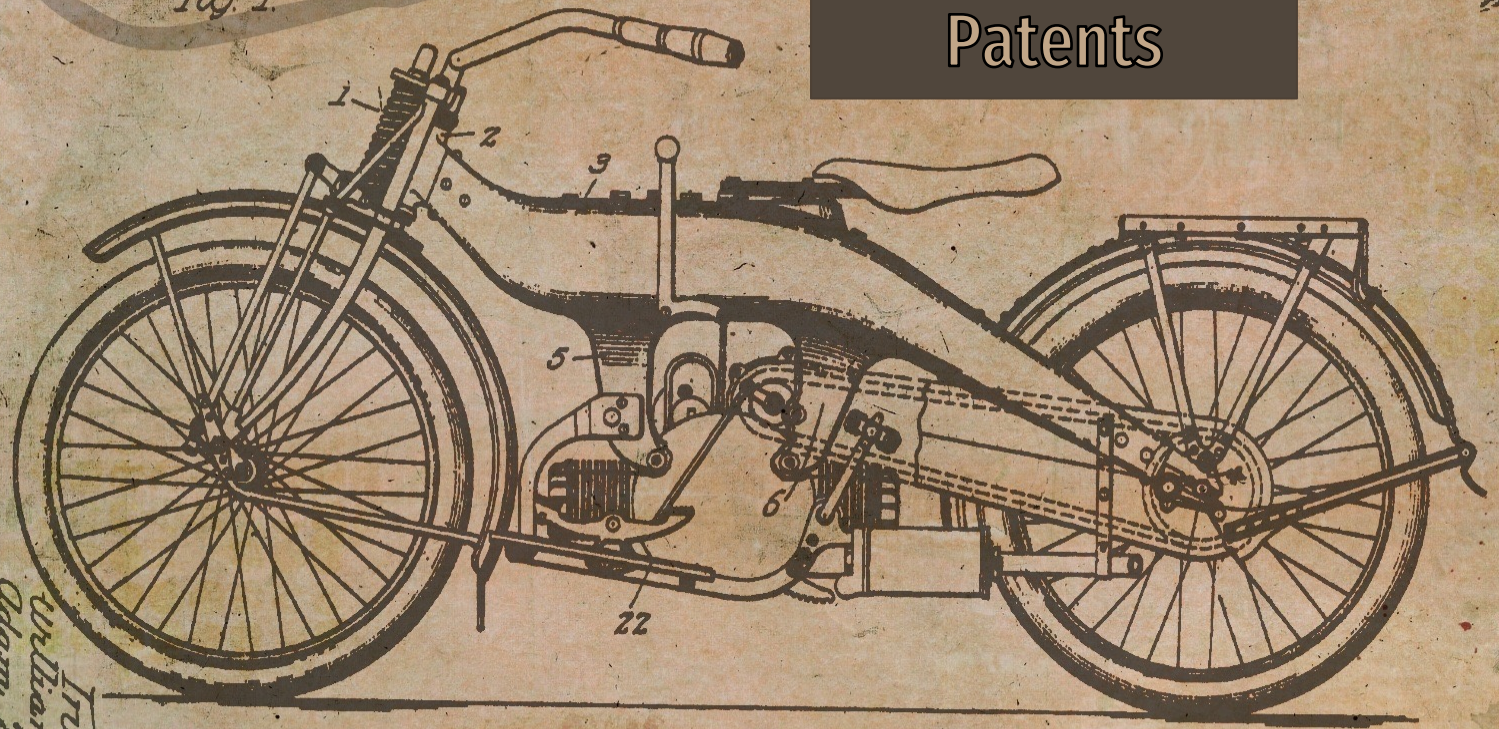
Chaitali Bagwe
Rakshit Bhat
Pranav Kulkarni
Mohandas Pai


Brainstorming
DATA
TEAMWORK


Idea
Idea
Idea
Idea



Patents



Oct. 7, 1924.

W. S. HARLEY ET AL.

MOTOR CYCLE

Original Filed Nov. 1, 1919.

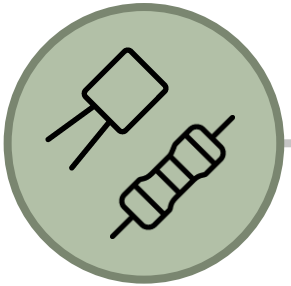
3 Sheet

Inventors:
William S. Harley
Adam Ziska Jr.
By Elwin R. H. Tower Jr.
Atty.

4 Main Classes

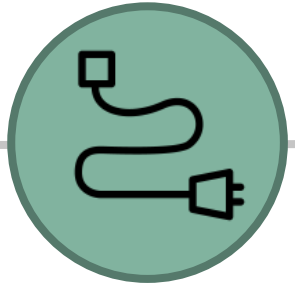
IPC – H (Electricity)

H01



BASIC ELECTRIC ELEMENTS

H02



GENERATION, CONVERSION, OR DISTRIBUTION OF ELECTRIC POWER

H03

BASIC ELECTRONIC CIRCUITRY

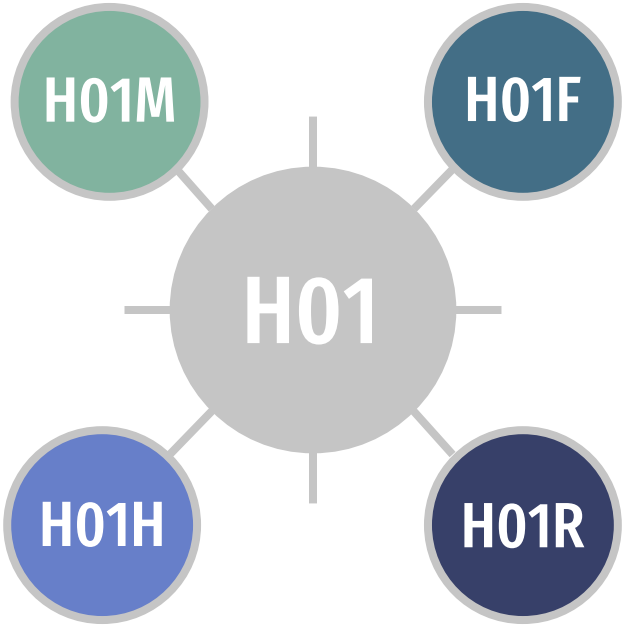
H04

ELECTRIC COMMUNICATION TECHNIQUE

Then there are Sub Classes

H01M
Processes or Means

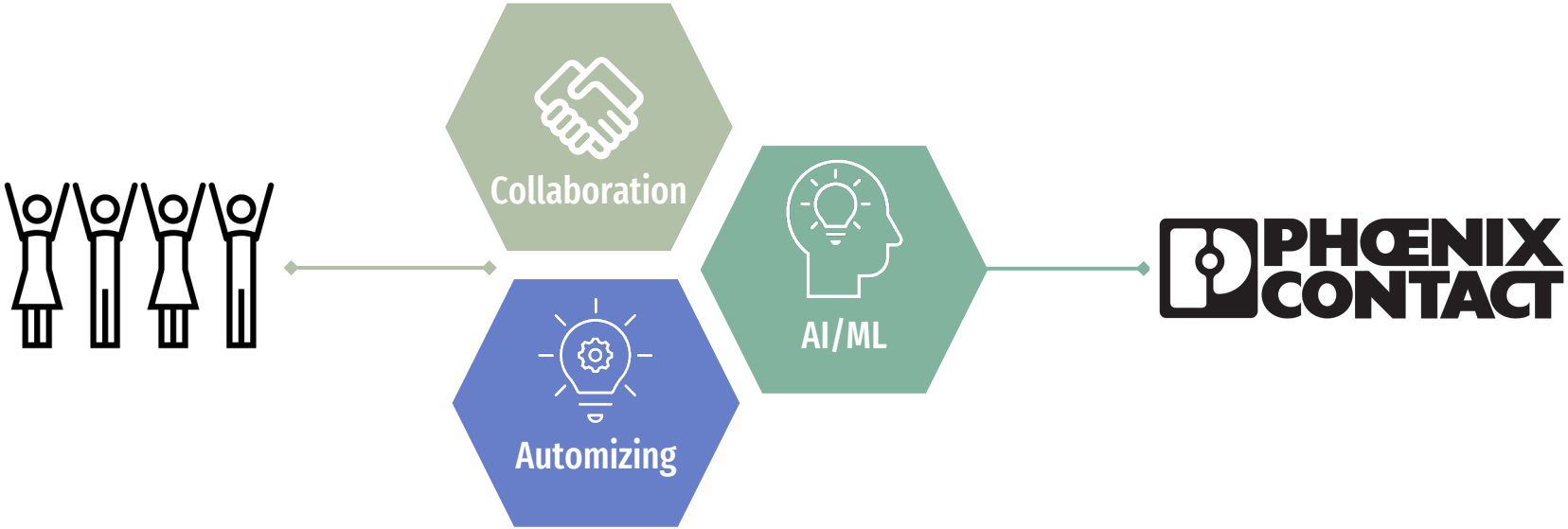
H01F
Magnets, Inductances, Transformers



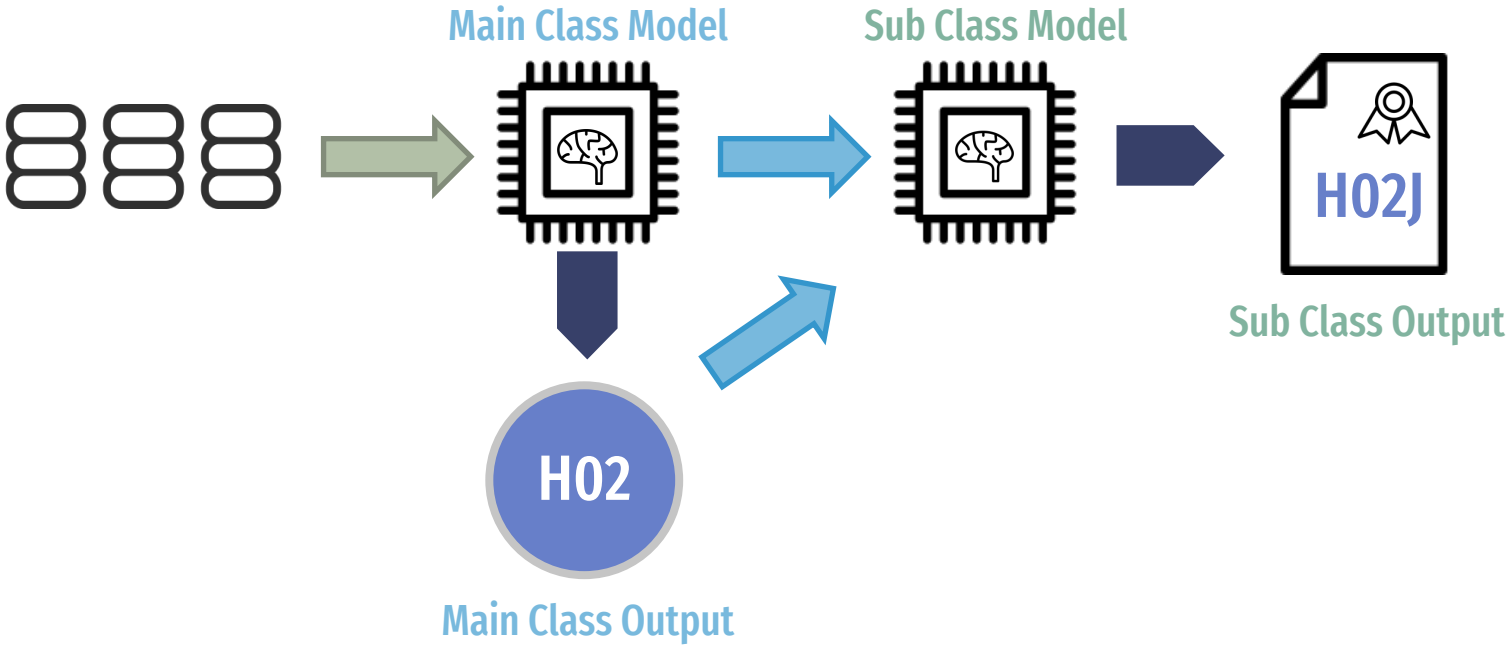
H01H
Electric switches, Relays, Selectors, Emergency protective devices

H01R
Electrically-conductive connections, Coupling devices

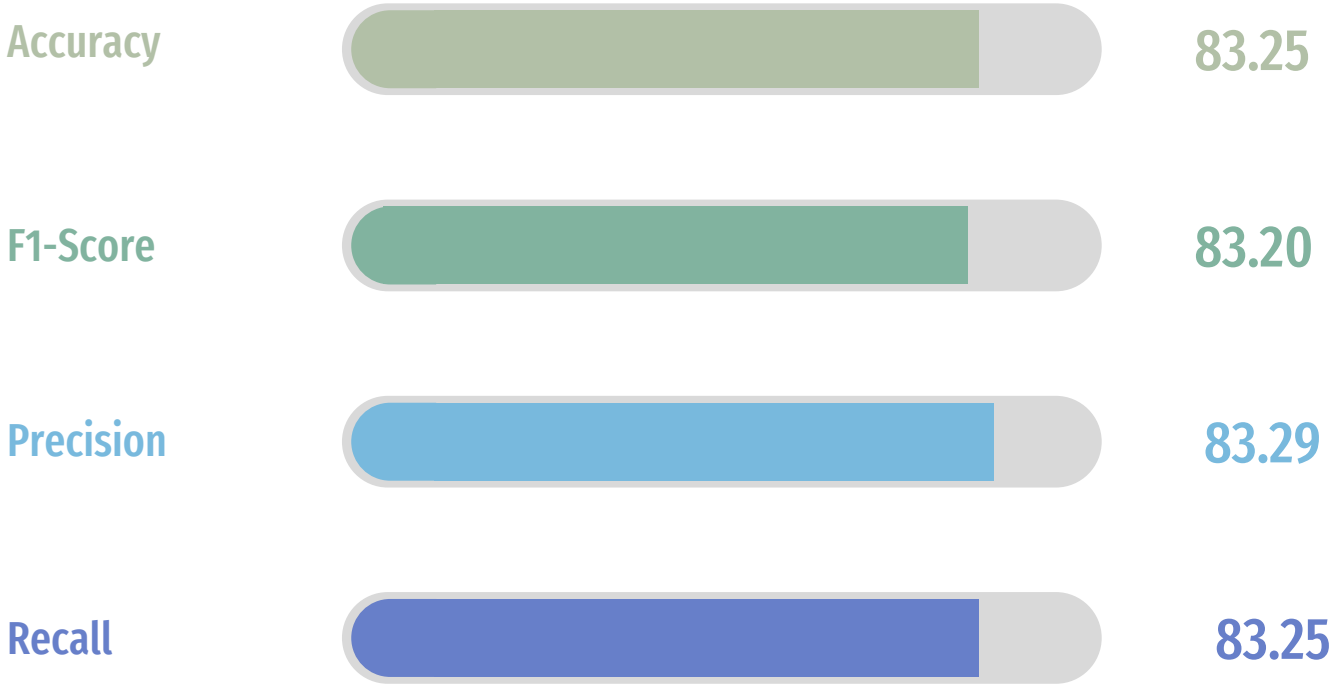
Collaboration



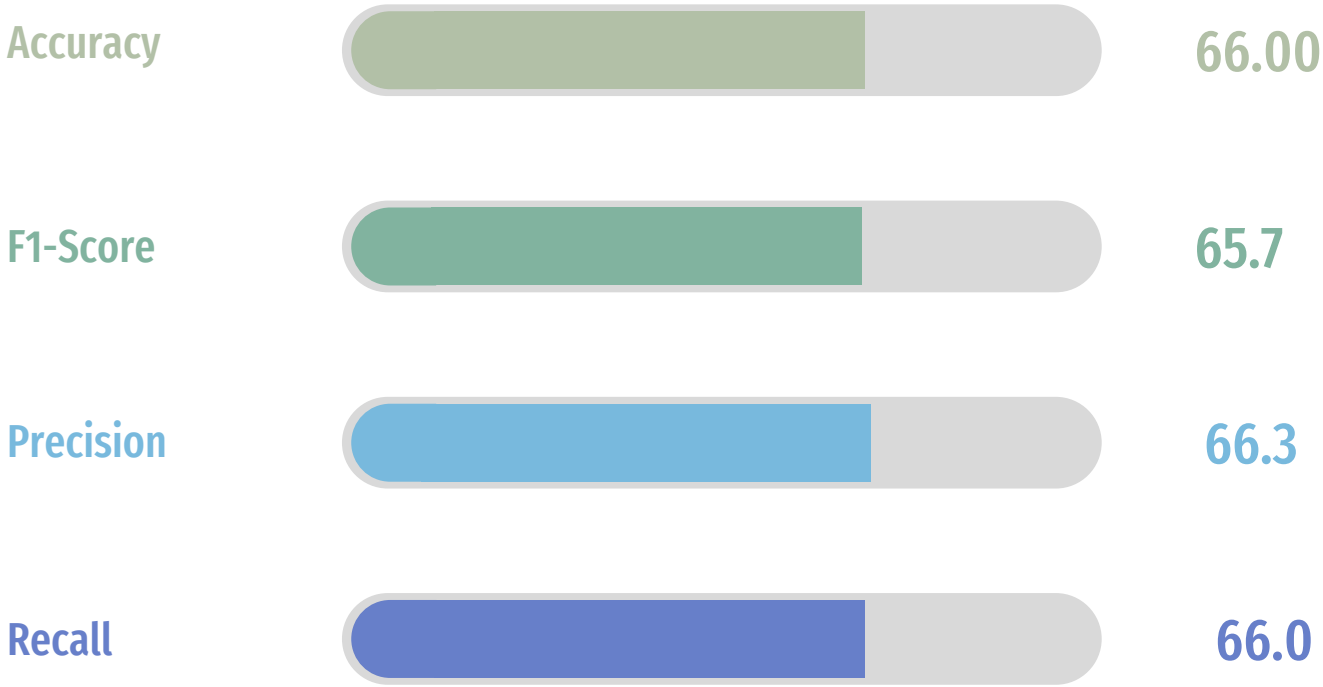
General Design



Main Class Metrics



Sub Class Metrics

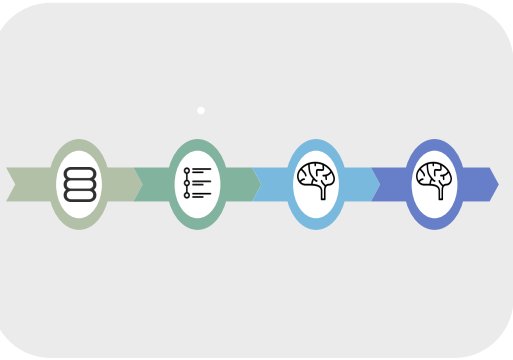


Features

F1 Score – 83.20 (M) 65.7 (S)

Runtime – ~ 20 mins

Extendable

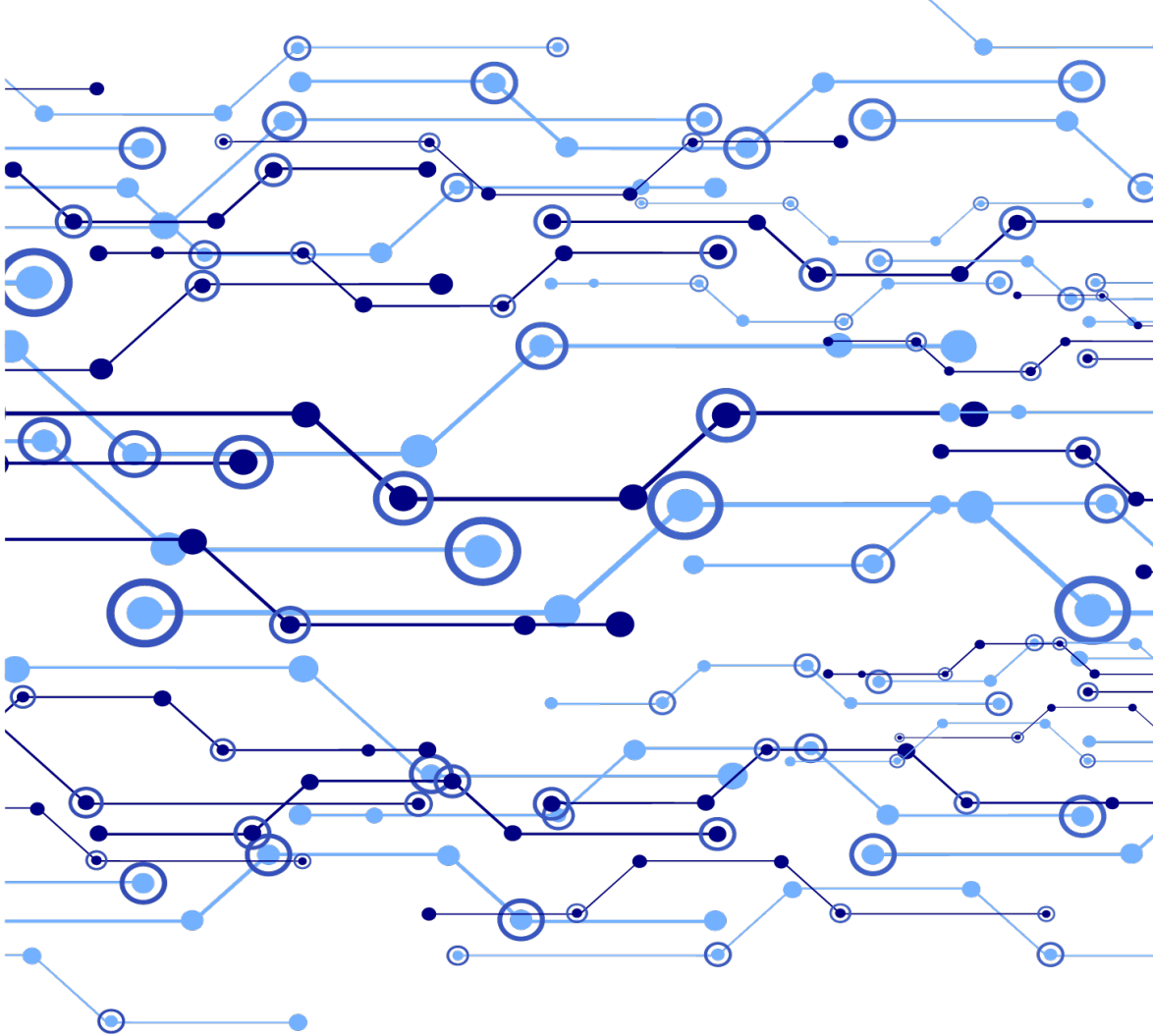


Accuracy – 83.25 (M) 66.00 (S)

Focus on Keywords

Light Weight

Thank You



Slide Template - https://slidesgo.com/
Icons - https://iconarchive.com/ https://www.flaticon.com/
Images - https://pixabay.com/ https://de.freeimages.com/