Template

Predictive Analytics for Aircraft Engine

Brainstorm & idea prioritization

Here we are going to collaborate with our team members to know about their individual ideas on project whether it is right or wrong and it is applicable or not

1 hr to prepare
1 hour to collaborate
A S Hariesh
Aditya K
Ch Gadaadhar
Febin C

Share template feedback

Before you collaborate

Lets discuss about some ideas on our mind about the project to have a greater solution on it

10 minutes

Team gathering
All the team members needed to participate in this session. Everyone has to share their ideas during this collaboration

Set the goal
Thinking about the main problem of engine maintenance with the help of machine learning to have a better solution on prediction

Tool facilitation
Now we are going to work with modern developing tools like anaconda python, jupyter notebook with the help of python language
Open article

1 Engine runtime prediction

Now a days aviatiom industries facing major problems with engines runtime prediction . so we are now going to make it easier with the help of machine learning techniques

5 minutes

PROBLEM

How might we are going to predict the working time of aircraft engine for a particular interval of time?

Key rules of brainstorming
To run an smooth and productive session

- Stay in topic.
- Encourage wild ideas.
- Defer judgment.
- Listen to others.
- Go for volume.
- If possible, be visual.

2 Brainstorm

Now we are going to share our ideas with a sticky note to address to have a solution on problem

10 minutes

TIP
You can select a sticky note and hit the pencil [switch to sketch] icon to start drawing!

A S Hariesh

- Know about working of Engine
- Aware about the previous datasets
- focus on data monitoring
- use modern tools
- Machine Learning
- Implementation with previous datasets
- Have a worthful solution on implementation of model

Aditya K

- Understanding about the main cause of the Problem
- Analyze the previous datasets
- Create a web Application to have a implementation
- Gathering Data
- Check Accuracy with Data

Ch Gadaadhar

- Using modern techniques combined with Machine learning
- Collect current data from Modern Engines
- Real time data Analytics for prediction
- Configure manual Prediction
- Use modern tools like sensors for analytics

Febin C

- Use Html page as a front-End tool
- Choose appropriate Model
- Build Python Flask App
- Check for Accuracy with results
- Taking care of prediction values

3 Group ideas

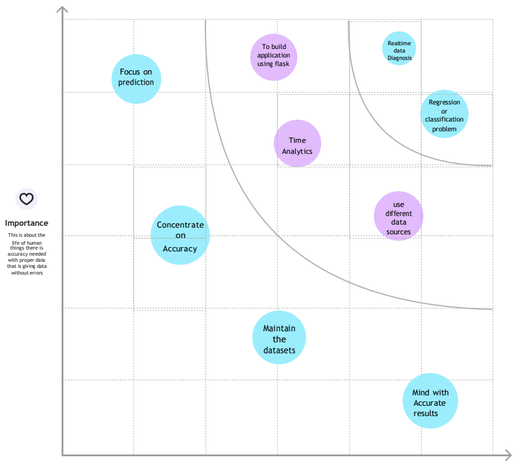
Take turns sharing your ideas while clustering similar or related notes as you go. Once all sticky notes have been grouped, give each cluster a sentence-like label. If a cluster is bigger than six sticky notes, try and see if you and break it up into smaller sub-groups.

20 minutes

4 Prioritize

Your team should all be on the same page about what's important moving forward. Place your ideas on this grid to determine which ideas are important and which are feasible.

20 minutes



now the collaboration is completed

Now we can share our idea with the project management team

Let's Have Safe ride with our prediction results