



AI for Youth Bootcamp - Project Synopsis - DPD Rourkela and RMIS

This is a google form to enable you to write the project synopsis in a structured and organized way.

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***Required**

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WhatsApp Number *

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School Name *

Delhi Public School, Rourkela

Class *

- ☐ Class 7
- ☐ Class 8
- ☒ Class 9
- ☐ Class 10
- ☐ Class 11
- ☐ Class 12
- ☐ Other:

Gender *

- ☐ Female
- ☒ Male
- ☐ Other:



Title of the Project *

Write the title of your project.
For example: Bookflix - A personalised library assistant

*

Heart Attack Analysis and Prediction

Which domain is your project based on? *

- ☒ Data Science
- ☐ Computer Vision (CV)
- ☐ Natural Language Processing (NLP)
- ☐ Other:

Which SDG is your project related to? *

- ☐ 1
- ☐ 2
- ☒ 3
- ☐ 4
- ☐ 5
- ☐ 6
- ☐ 7
- ☐ 8
- ☐ 9
- ☐ 10
- ☐ 11
- ☐ 12
- ☐ 13
- ☐ 14
- ☐ 15
- ☐ 16
- ☐ 17
- ☐ Other:

Summary

*

Write the summary of your project in about 1-2 lines.
In this section, write an overview of your project. eg. An AI-enabled app to help farmers to predict crops based on soil and location to maximize yield.

The title of my Project is "Heart Attack Analysis and Prediction". This is an AI Enabled Application which predicts the probability of a Heart Attack. This contains both the analysis of Heart Attack and the prediction of Heart Attack.



Context



In this section, the points to be covered are:
What is the problem? What is your idea? How did you transform your idea into a solution? Write the context of your project in a range of 300 - 500 words

1.1 What is the Problem?

One out of every death is a death due to undiagnosed heart attack. Heart Attack is still one of the major issues in today's technologically advanced world. Till date also many people die due to undiagnosed Heart Attacks. Since it's never too late to solve a problem, in this project I would be trying to somehow predict Heart Attack by using a Dataset from Kaggle.com.

1.3 What is your Idea?

My Idea for this project would be that we should apply some Data Science and Data Analysis on a Real-World Dataset from reliable sources like Kaggle. This would help us in not only analyzing the Heart Attack Cases but also predicting the same using some AI Algorithm.

1.2 How did you transform your Idea into a Solution?

I transformed my Idea into a Solution by creating Artificial Intelligence Enable Model which would be trained on a Huge Dataset which would contain some of the mostly seen symptoms of Heart Attack.

How does it work?



Which model did you choose? How does it work? What does it do? What is the future scope of the project? Write this section in a range of 300-500 words

2.1 Which Model did you choose?

For this Project I have used the "Logistic Regression" Algorithm of the Scikit Learn Library.

2.2 What does it do?

It helps in learning from data and predicting Heart Attack when some new data is provided.

2.3 What is the future scope of the project?

My Project can also be trained on even more huge datasets and can also be trained on an "Artificial Neural Network" Model so that more accuracy is achieved.

Video link (90 Seconds)



Kindly enter drive link to your project. Don't forget to change settings to "anyone with the link can view"

<https://youtu.be/xlp7xCbwURg>

Code folder link

Kindly add the link *

to drive folder with all the codes here. Don't forget to change settings to "anyone with the link can view"

<https://github.com/Prameya14/CBSE-Intel-AI-f>

Feedback Video (Journey of the Bootcamp, 90 Seconds)



Kindly enter drive link to your feedback video for the bootcamp. Don't forget to change settings to "anyone with the link can view"

N.A

