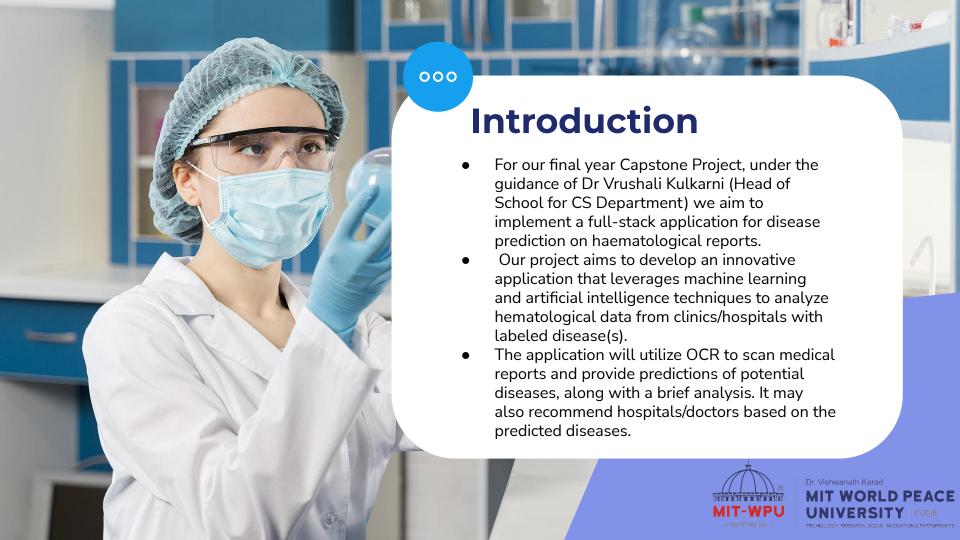


Application to predict diseases based on haematological reports and provide recommendations to specialists

Request for Haematological Data access for college-backed Capstone Project

Pranav Nirmal (+919923182133)
nirmalpranav187@gmail.com
Ayush Shrivastav (+919503177947)
ayushnshrivastav@gmail.com



Aim/Objective

- Our main objective is to revolutionize medical diagnosis by developing a cutting-edge application that can analyze hematological data and provide personalized health recommendations.
- We strive to empower healthcare providers and patients with valuable insights to make informed decisions about their health, ultimately leading to improved patient outcomes.





Team Introduction



Dr Vrushali Kulkarni (Mentor)

Head of School for Computer Science, MIT WPU , PhD in Machine Learning, has published papers in various National / International conferences and journals

01

Aniket Sharma

Application development expert with extensive experience in React JS and Node JS, with a strong background in data processing.

03

Pranav Nirmal

Al, ML, and data science specialist with previous experience as an intern at Volkswagen, bringing expertise in developing advanced algorithms and models. 02

Ayush Shrivastav

Data scientist and computer vision specialist, currently working as an intern at Quidich Innovation Labs, with expertise in AI, ML, and data analysis.

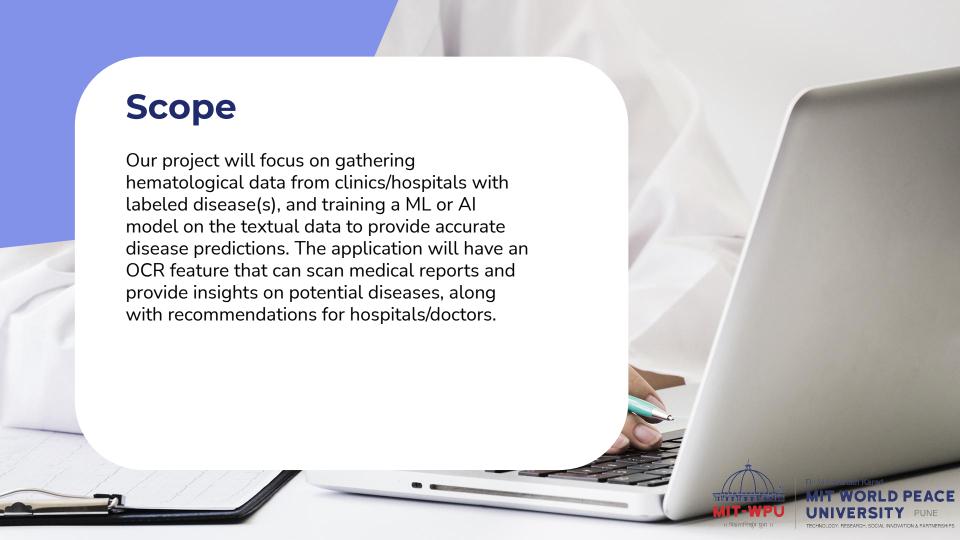
04

Preetika Sastry

With prior experience as a Volkswagen intern, this AI, ML, and data science professional has skills in designing deep model architectures







Scope

Data **Processing**



Data preprocessing and training model

Report scanning



OCR extracting features from report

Disease Prediction



Prediction of likely diseases and doctor/hospital recommendation





Data Requirement

We require
hematological data
consisting of textual
attributes, without any
personal information
such as names,
addresses, or any other
identifying details.

The data can be disease-specific or cover multiple diseases, and will be used solely for the purpose of training the machine learning or artificial intelligence model to provide accurate disease predictions.

If possible, this data would ideally include the diagnosis made by the doctor (eg. Dengue Positive/Negative)







Data Handling and Confidentiality

We understand the importance of data privacy and confidentiality. Rest assured, we will handle the data obtained from clinics/hospitals with the utmost responsibility and ensure that it is stored securely. Personal information will not be used in the model training or for any other purpose. We will comply with all applicable data protection laws and regulations to ensure the data is used only for the intended purpose of improving healthcare outcomes.





Conclusion

- In conclusion, our project aims to develop an innovative application that utilizes advanced technologies like machine learning and artificial intelligence to analyze hematological data and provide personalized health recommendations.
- With a highly skilled team and responsible data handling practices, we are confident in the success and impact of our project.
- Thank you for considering our proposal, and we look forward to your support in bringing this project to fruition.



