







(An Autonomous Institution affiliated to anna university, Chennal)

S.P.G.Chidambara Nadar - C.Nagammal Campus

S.P.G.C. Nagar, K.Vellakulam - 625 701 (Near VIRUDHUNAGAR).



2K25

Poster Presentation

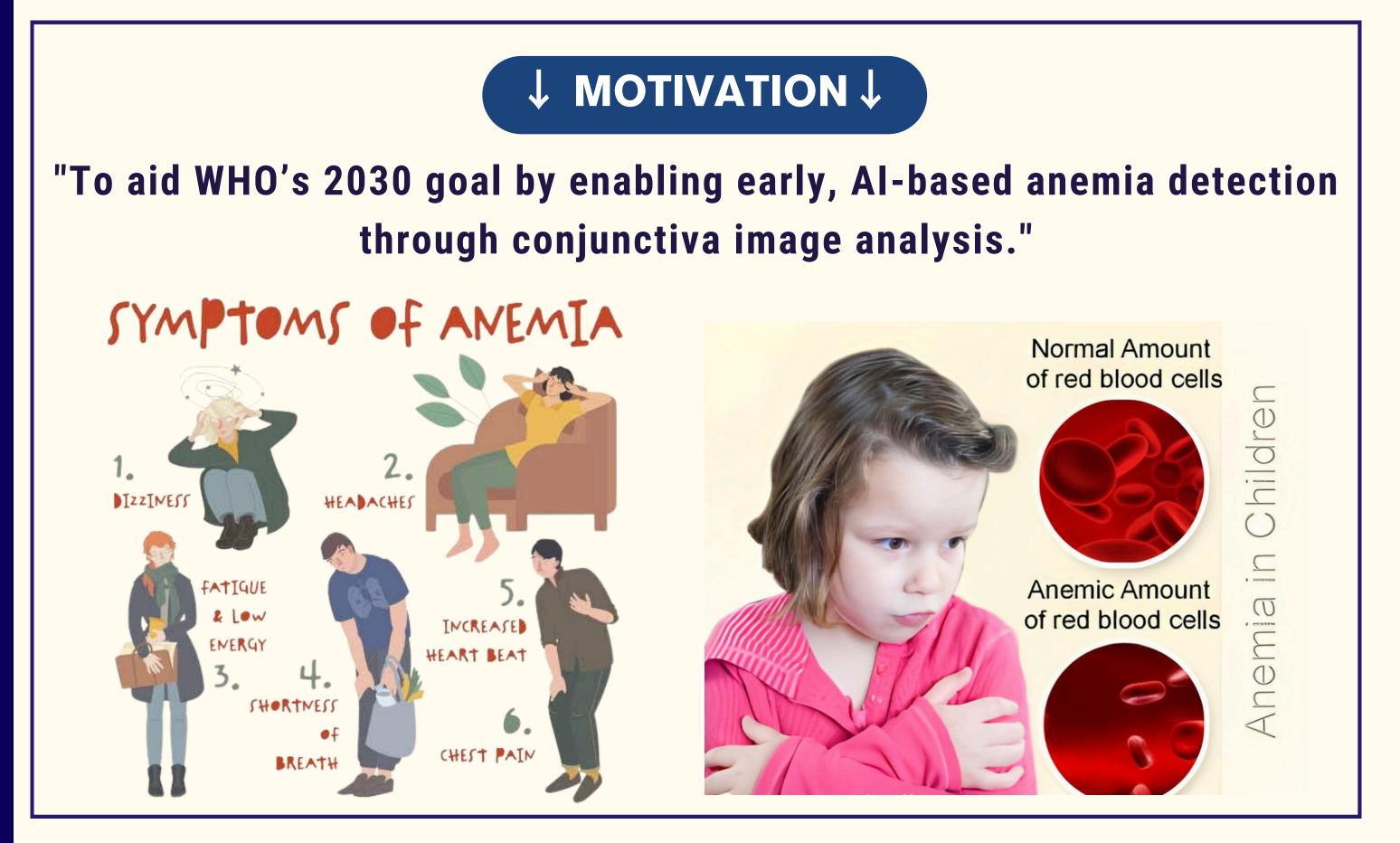
AnemoScan

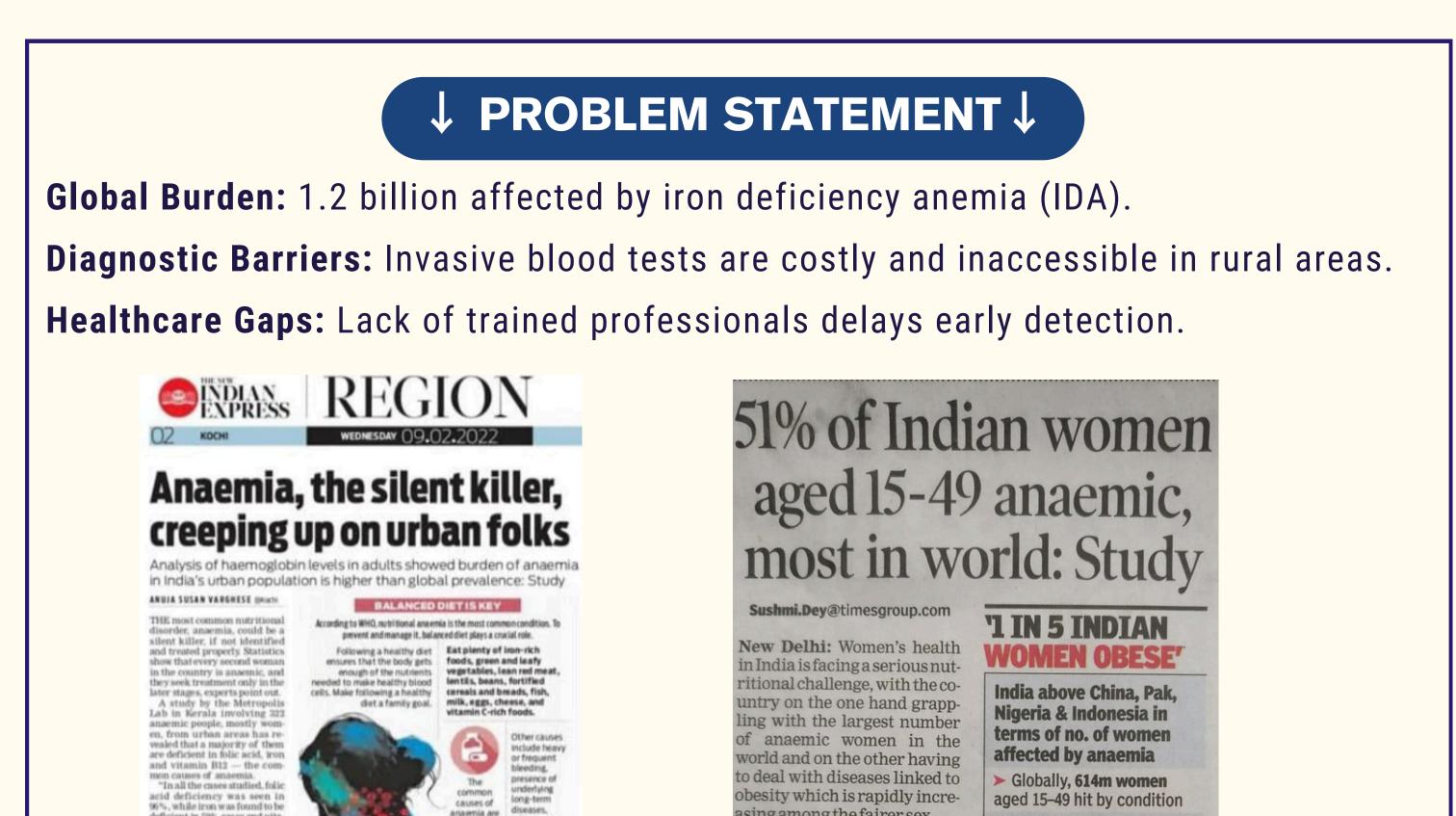
G. Vishnu Lakshmi, M. Sherin, A. Anisha Yasmin, Guided by: Dr. D. Vendhan, AP/IT

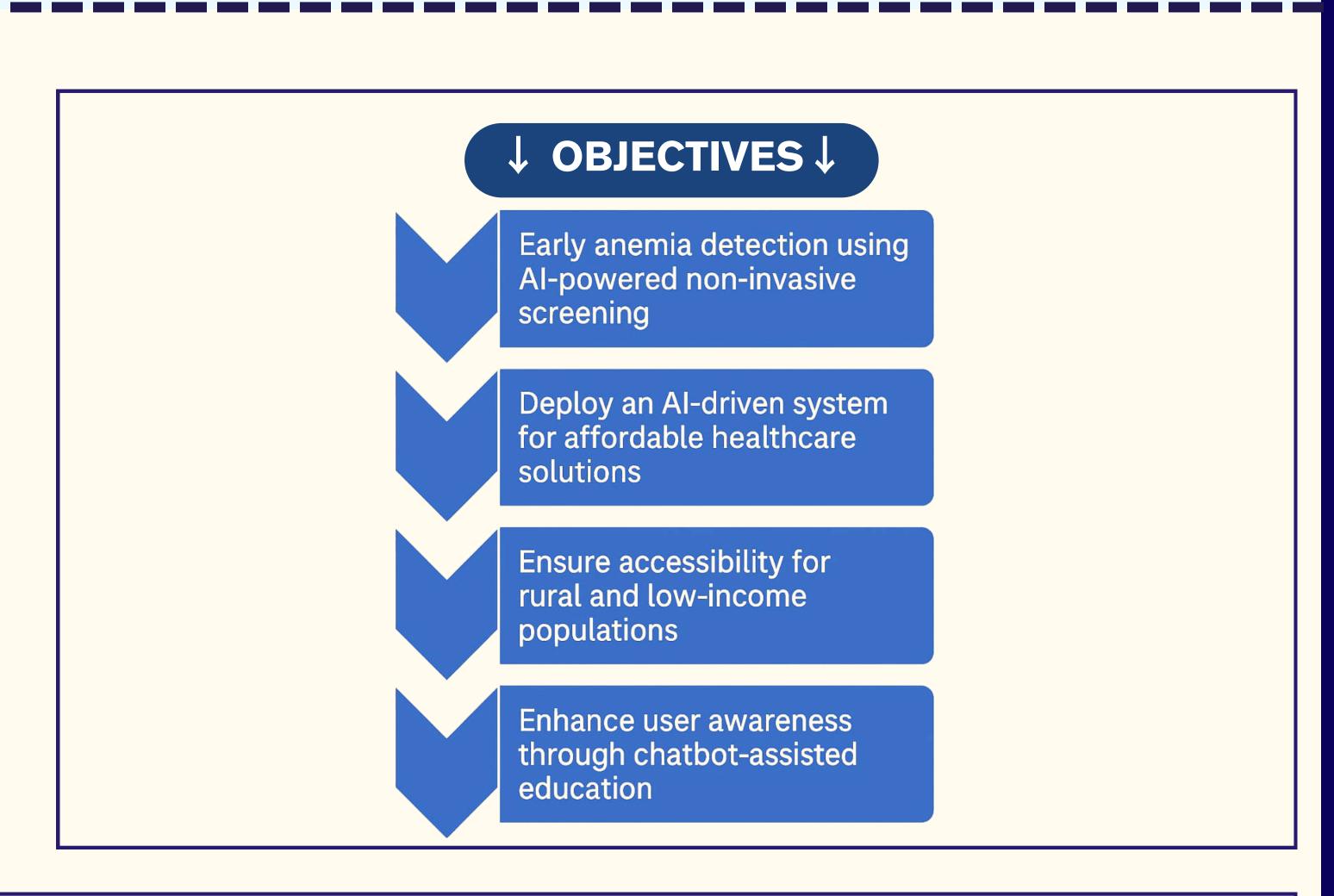
UG III Year Students, Department of Information Technology, Kamaraj College of Engineering and Technology, Virudhunagar, Tamilnadu, India.

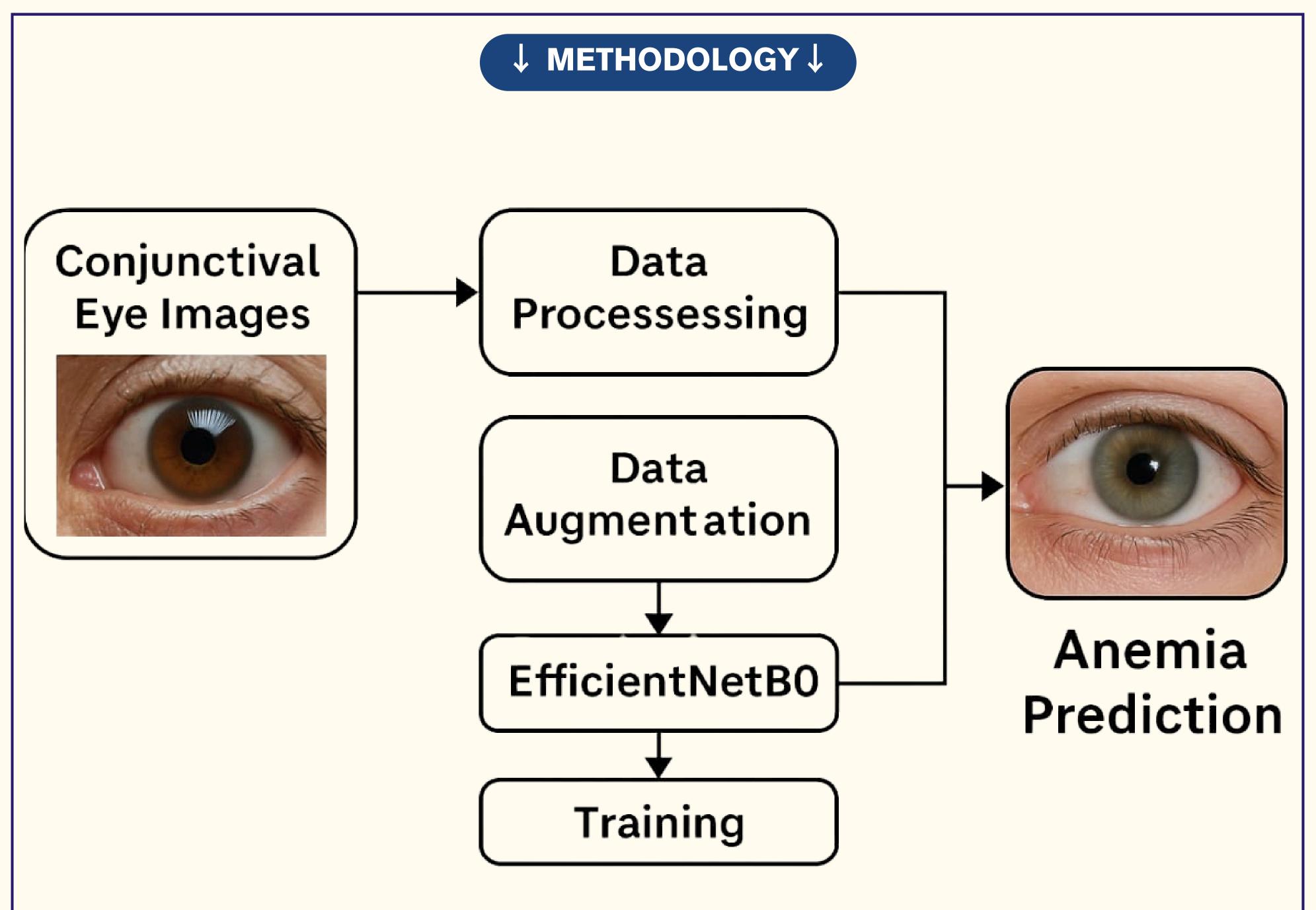
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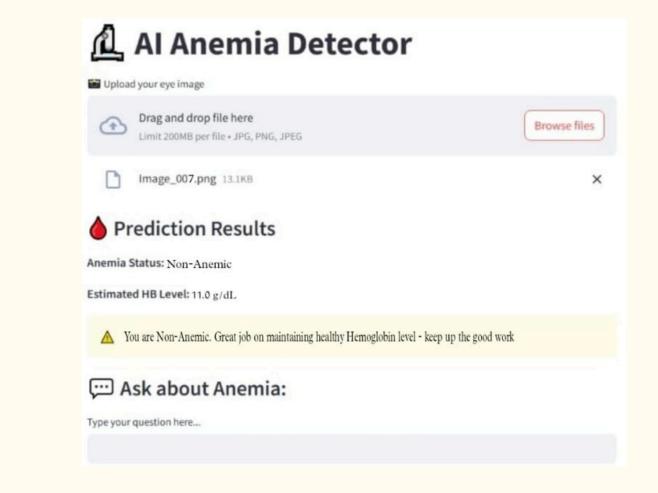


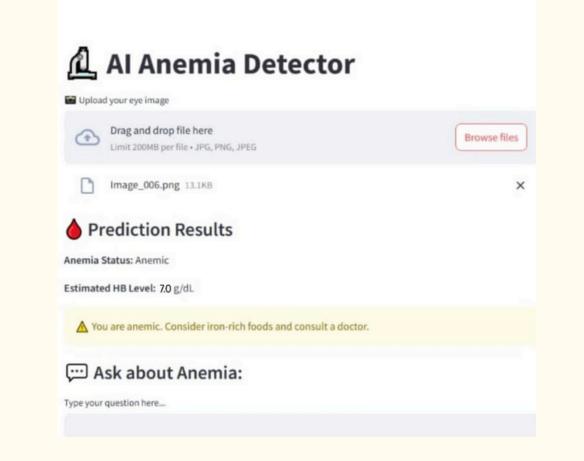
↓ RESULTS AND DISCUSSION ↓

Achieved 92.5% accuracy with EfficientNetB0 CNN model.

Real-time predictions for anemia classification.

 Chatbot integration offers dietary and health recommendations





↓ SUMMARY AND FUTURE WORK ↓

- Improve model accuracy with more diverse datasets.
- Integrate wearable tech for continuous monitoring.
- Expand detection to other deficiencies (e.g., Vitamin B12).

↓REFERENCES↓

- 1. Smith et al., "Non-Invasive Detection of Iron Deficiency Using Eye Imaging," Journal of Medical Imaging, 2022.
- 2. Lee & Wang, "RGB Analysis for Health Diagnostics: A Case Study on Sclera Imaging," ICIP, 2020.