

AIM- ASSEMBLE. INSPECT. MASTER



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OVERVIEW

- **App Name:** AIM-Assemble. Inspect. Master
- **App Description:** The aim of the project is to enhance assembly line efficiency by using the "AIM" app with its four stages. It offers real-time progress tracking, ensuring quality assurance and providing a user-friendly experience for assembly workers.
- **Track:** Youth Individual
- **Category:** Education & Research



THEME :- Education & Research

- When putting together complex project models, particularly when doing so in accordance with a set of instructions, one frequently runs into a number of significant challenges.
- Visualising the building process and keeping track of progress can be time-consuming processes that are also prone to error.
- As a result, these processes can put projects that are time-sensitive at risk of falling behind schedule.



INSTRUCTIONS



Screen 1:

This is the home screen where we will get options of **Build** and **instructions**



INSTRUCTIONS



Screen 2:-
After clicking on build we will get instructions of step 1 stage of the assembly.



INSTRUCTIONS



Screen 3:
After clicking on build we will get instructions of step 2 stage of the assembly.



INSTRUCTIONS



Screen 4:-
After clicking on build we will get instructions of step 3 stage of the assembly.



INSTRUCTIONS



Screen 5:
After clicking on build we will get
instructions of step 4
stage of the assembly.



INSTRUCTIONS



Screen 6:

After the confirmation of first stage, we will get step 2 assembly screen. Here we can inspect by clicking picture so that it explains how machine learning is used to check assembly of the whole master body.



INSTRUCTIONS

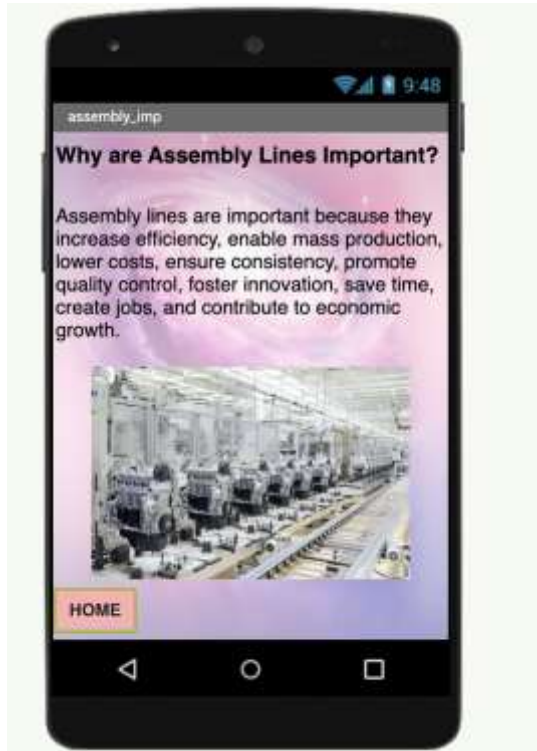


Screen 7:

This is the screen explains the types of Assembly lines.



INSTRUCTIONS



Screen 8:

This is the screen explains the importance of Assembly lines.



APPENDIX



The rocket has been divided into 4 stages- each with different segments.

LIMITATIONS

In 100 words or less, describe the limitations of your app and what people should carefully consider when using it.

- The limitations of “AIM” : Image recognition technology can affect progress tracking accuracy.
- It's versatility is limited by its optimisation for specific assembly types.
- Language and cultural differences can affect user experience. These barriers can make products and services hard to understand and use.
- Compatibility may limit access for different devices and device models.
- Image processing can raise privacy and data security issues.
- Complex tasks are not assisted physically.
- Certain features may be limited by internet connectivity. A stable internet connection is needed to use these features.



ACKNOWLEDGEMENTS

Please list the names of anyone who helped you with developing your app, and describe what type of help they provided.

I express heartfelt appreciation to "On my own technology" institute for their unwavering support and resources during this project. Special thanks to my dedicated trainer, Mr. Hitesh Rai, for his invaluable knowledge and guidance, which significantly contributed to the success of my endeavour. Gratitude to Mr. Abhishek Jha for diligently testing the app and providing valuable feedback.



THANK YOU

