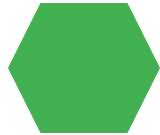# Digital Portfolio

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PROJECT TITLE

Product Design and Manufacturing

AGENDA

1.Problem Statement
2.Project Overview
3.End Users
4.Tools and Technologies
5.Portfolio design and Layout
6.Features and Functionality
7.Results and Screenshots
8.Conclusion
9.Github Link

PROBLEM STATEMENT

The project aims to design and manufacture innovative products that cater to the needs of modern consumers. The problem statement is to create a product design and manufacturing system that is efficient, cost-effective, and meets customer expectations.
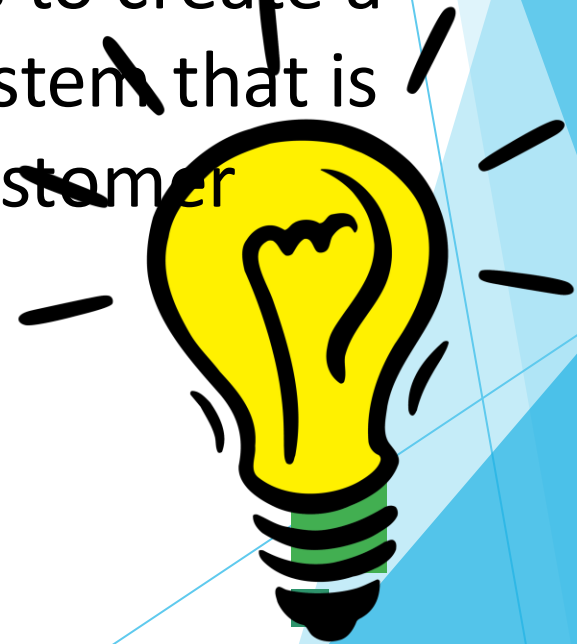
PROJECT OVERVIEW

The project involves designing and manufacturing products using computer-aided design (CAD) software and 3D printing technology.

WHO ARE THE END USERS?

- Designing products using CAD software- Creating prototypes using 3D printing- Testing and iterating on product designs- Manufacturing products using various materials and techniques

TOOLS AND TECHNIQUES

The tools and technologies used in this project are:-
CAD software (e.g., Autodesk Inventor, SolidWorks)-
3D printing technology (e.g., Fused Deposition
Modeling (FDM), Stereolithography (SLA))-
Computer-aided manufacturing (CAM) software-
Programming languages (e.g., Python, C++)- Web
development frameworks (e.g., HTML, CSS,
JavaScript)

POTFOLIO DESIGN

The portfolio design and layout include:- A website or online platform showcasing product designs and manufacturing processes- A gallery of product designs and prototypes- Case studies and project descriptions- Contact information and social media links

LAYOUT

A website or online platform showcasing product designs and manufacturing processes- A gallery of product designs and prototypes- Case studies and project descriptions- Contact information and social media links

FEATURES AND FUNCTIONALITY

The features and functionality of the project include:- Product design and prototyping- 3D printing and manufacturing- Product testing and iteration- User interface and user experience (UI/UX) design- Web development and online portfolio

RESULTS AND SCREENSHOTS
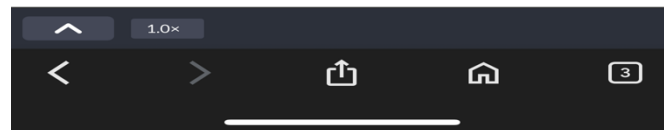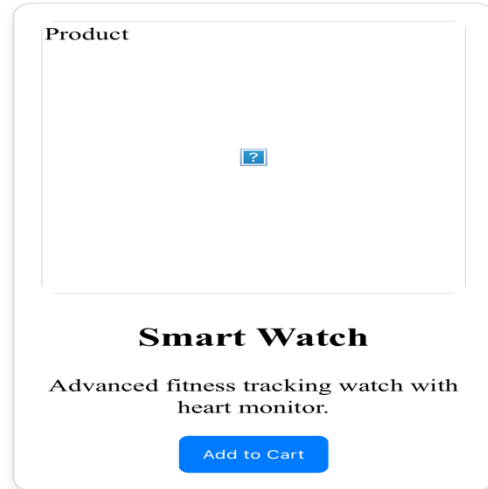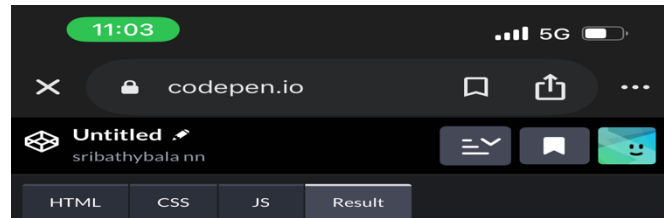
CONCLUSION

The Product Design and Manufacturing project demonstrates the application of CAD software, 3D printing technology, and web development frameworks to design and manufacture innovative products. The project showcases the importance of product design and manufacturing in meeting customer expectations and driving business success.

GITHUB LINK