

TOPIC NO. 1

S'MART



GROUP MEMBERS

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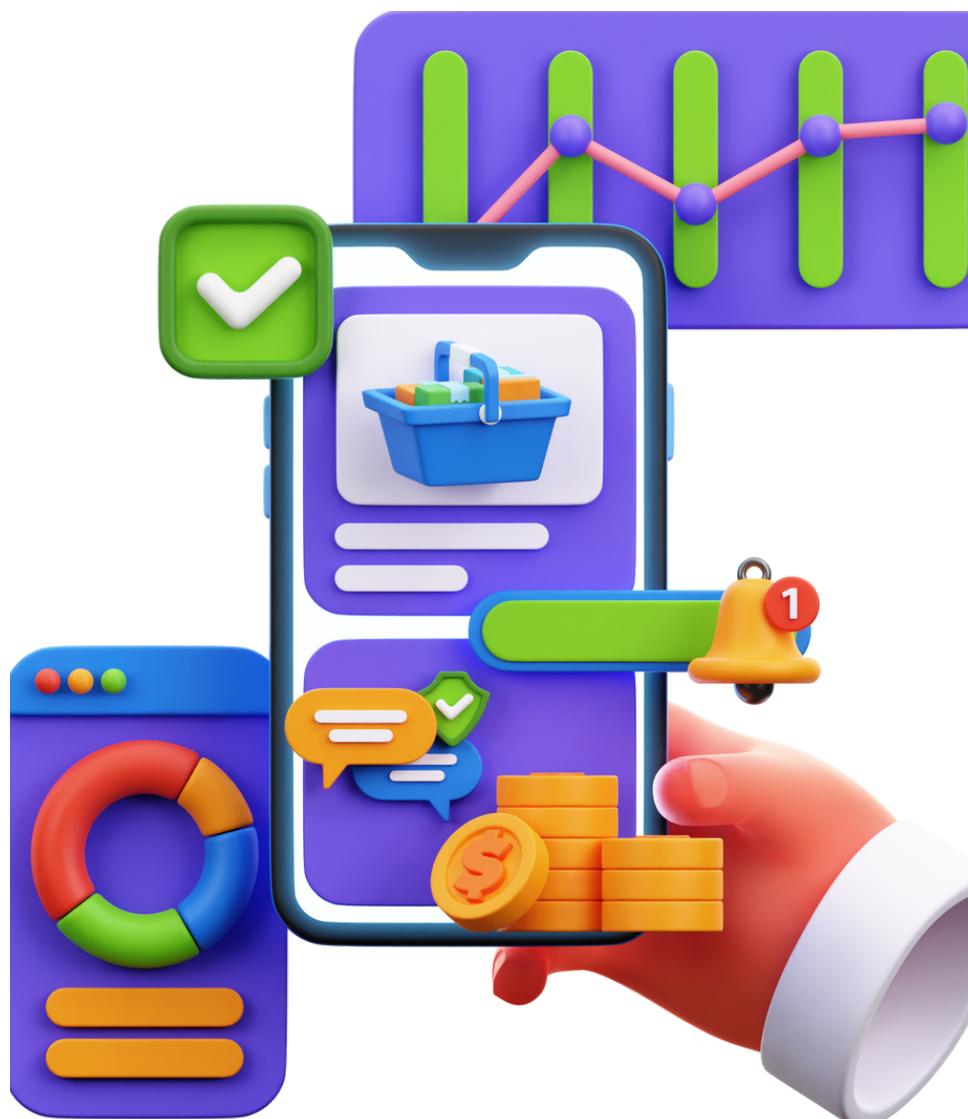
INTRODUCTION

- "**s'MART**" - an E-commerce also known as electronic commerce or internet commerce System used to refer online sale of Grocery .
- It is a system that allows people to buy and farmers to directly sell there goods.
- Its utilized features such as Image Processing and Text Analysis for accurate results.
- Buyer can upload there own handwritten list of product irrespective in any language which will directly add those items in the cart which make it even more user-friendly .



EXISTING SYSTEM

- Follows traditional way that the buyer must go to shop and select required grocery items.
- It is difficult to identify the required grocery item which consumes time.
- The description of the grocery item is very limited which doesn't provide additional information.
- The products shown on the platform doesn't match the accuracy with the actual product.



PROPOSED SYSTEM

- Text Analysis: scan handwritten list irrespective in any regional language using image processing and NLP.
- Farmer support: a chance for farmers to sell there product at a decent rate without any losses.
- User-friendly: uploaded list of products will be directly added to the cart for the next process.
- Specification: all the products are divided in different categories which make user to easily reach out the product.



TOPIC NO. 2

TOURIST BRIDGE

Realtime Multilingual Translation App



INTRODUCTION

- "Tourist Bridge" – an innovative Android app designed to bridge language barriers for travellers.
- Translates to any regional language spoken in India or English, promoting cultural exchange.
- Utilizes image processing and NLP for accurate and real-time translations.
- Seamlessly scans and translates handwritten or printed text from various sources.
- Offline functionality allows uninterrupted translation services even in areas with limited network coverage.



EXISTING SYSTEM



- The handwritten fonts used in this research encompass a multi-script approach, accommodating various languages such as Bangla, Latin, and the MNIST handwritten alphabet series.
- The existing translation apps often have limited support for regional languages spoken in India.
- The current state of handwritten recognition systems faces challenges in terms of efficiency and speed during the conversion of handwritten text into digital text.
- Most translation apps heavily rely on internet connectivity for their services.
- Lack of Contextual Understanding, Without advanced NLP capabilities, existing systems may fail to grasp the context of the translated text, leading to unnatural and confusing translations, especially with idiomatic expressions.

PROPOSED SYSTEM

- Real-Time Scanning & Translation: scans signs, handwritten, and printed text using image processing and NLP.
- Extensive Regional Language Support: Wide range of regional languages to bridge the language gap for tourists.
- Offline Map Feature: enabling navigation in remote areas without internet connectivity.
- In-app forum: where tourists can post reviews and seek advice while engaging with fellow travellers
- Emergency Assistance: Provide emergency contact numbers and information on local emergency services, hospitals, and police stations.



TOPIC NO. 3

SHETIMITRA



INTRODUCTION

- In a world where agriculture is the backbone of our sustenance , Shetimitra is a groundbreaking application that brings cutting-edge technology to the fields
- Our platform revolutionizes farming practices by combining disease detection in crop
- An integrated e-commerce marketplace ,empowering farmers to cultivate and sell their products with newfound efficiency and ease

EXISTING SYSTEM

- Mobile Based Application which guides a farmer from planting to harvesting in timely manner
- To document knowledge from farmers the subject matter expertise of agriculture (SME) under database and to provide solution by queries in efficient approach through RDF (resource Description Framework) and Natural Langauge Processing (NLP) in the form of mobile application using SPARQL queries.

PROPOSED SYSTEM

- Crop disease diagnosis : Instantly identify and diagnosis crop diseases using image recognition technology
- E-commerce marketplace: Showcase your produce on the integrated ecommerce platform ,connecting directly with consumers and local market.
- Community network : connect with other farmers and agricultural experts ,sharing knowledge, experiences and best practices for sustainable farming.



Thank You