Don Bosco Institute of Technology, Mumbai: 400070
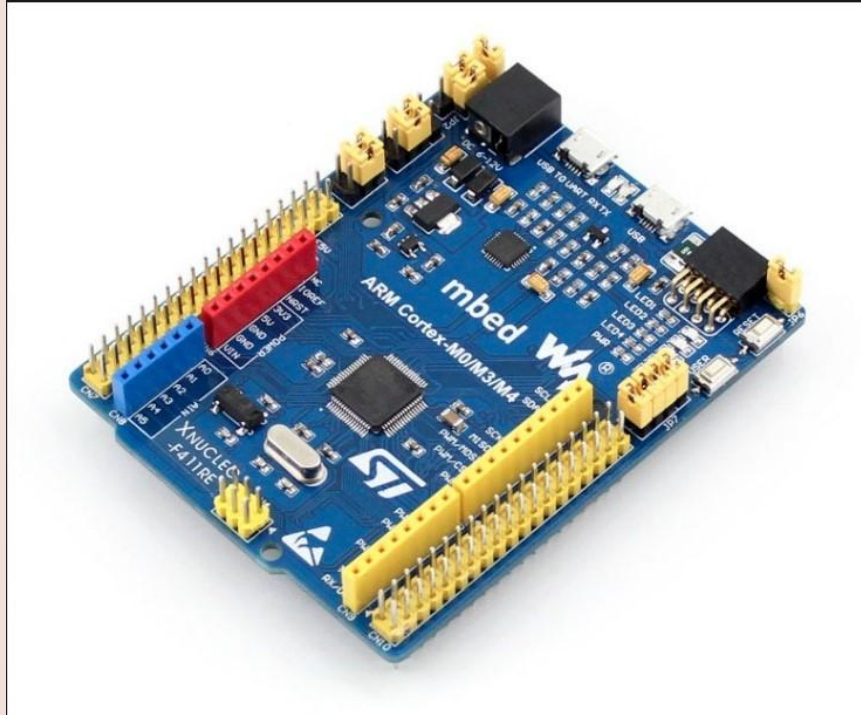# Department of Electronics and Telecommunication Engineering
Academic Year: 2022-23, TE SEM V
PROGRESS SEMINAR 1

Roll No.	Team Members
26	RAKSHITA KHANTWAL
47	ADARSH RAO
53	GOURESH SANKHE
57	UMER SHAIKH

EMBEDED SYSTEM BASED PROJECT USING STM32

The STM32 microcontroller is a 32bit series microcontroller produced by ST (STMicroelectronics) using ARM's cortex-M3 as the core.
suitable for mobile phones, routers, printers,etc.
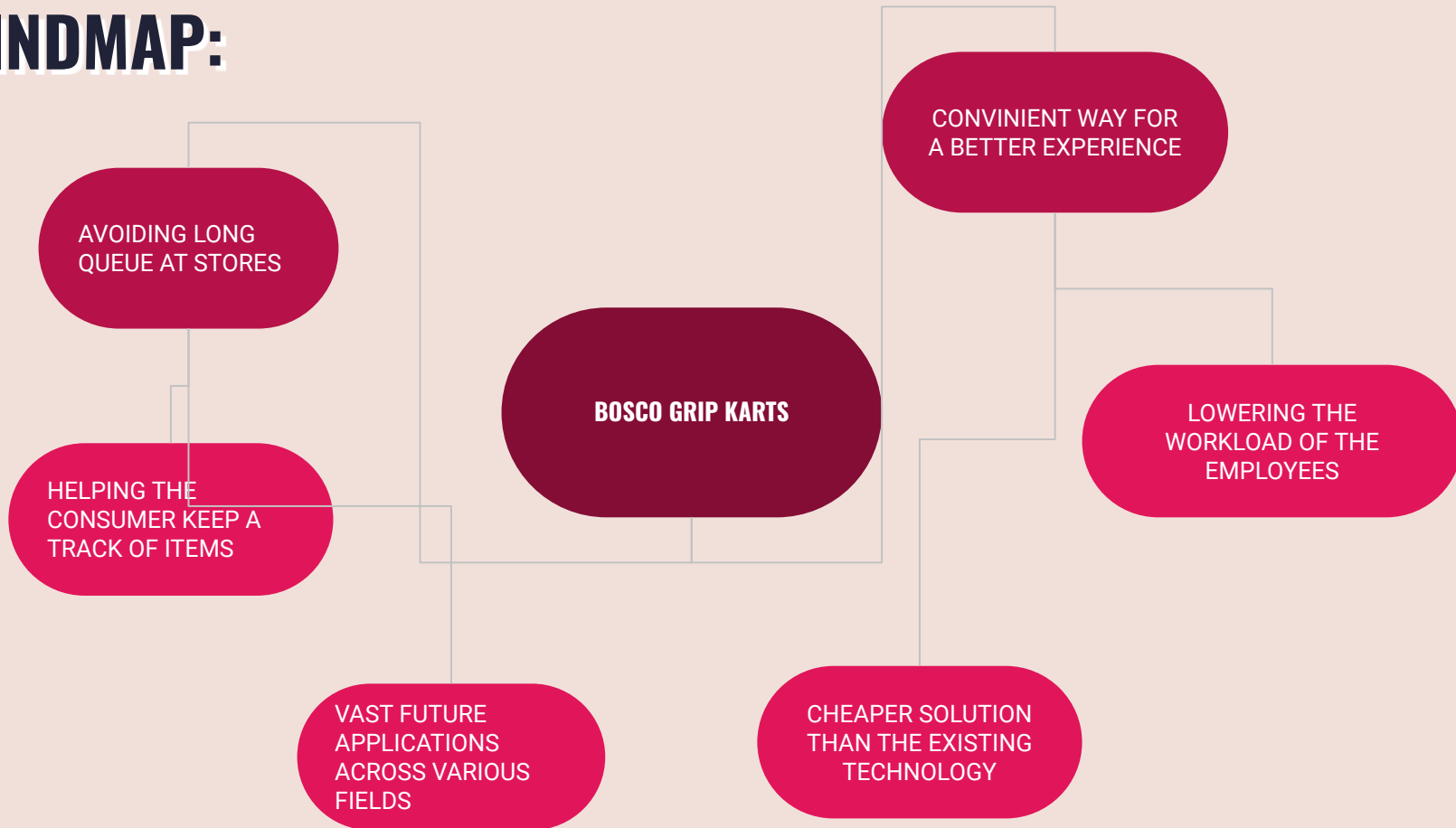
BOSCO GRIP KARTS

01

PROBLEM STATEMENT:-

Now a days, shopping has becoming a daily activity in today's world. We can see large queues in many shopping malls waiting for billing. The objective of our project is to overcome the problem of standing in queue and wasting time. To overcome the above problem, we are proposing a smart trolley billing system that will audit the purchased products .

MINDMAP:

AVOIDING LONG QUEUE AT STORES

CONVINIENT WAY FOR A BETTER EXPERIENCE

BOSCO GRIP KARTS

HELPING THE CONSUMER KEEP A TRACK OF ITEMS

LOWERING THE WORKLOAD OF THE EMPLOYEES

VAST FUTURE APPLICATIONS ACROSS VARIOUS FIELDS

CHEAPER SOLUTION THAN THE EXISTING TECHNOLOGY

EXISTING TECH

A Nicole 11 months ago

I love how you can see how much you're spending while you shop. It's a great way to stay within your budget.

👍 9 👎 REPLY

▾ View 6 replies
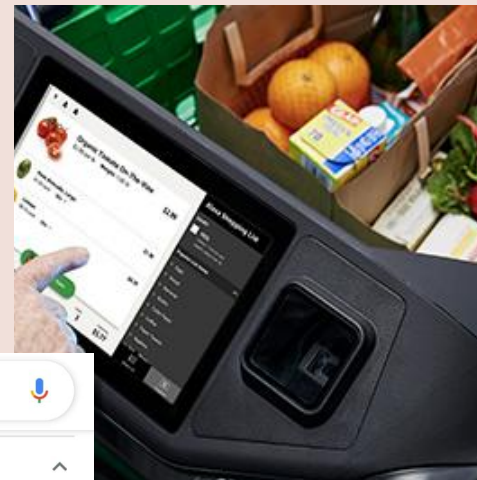
amazon dash cart price

How much does a smart cart cost?

between $5,000 and $10,000 each

The challenge for Veeve and its rivals is proving to retailers that the carts, which can reportedly cost **between $5,000 and $10,000** each, are a worthwhile investment.
19-May-2022

daniel 10 months ago

Idk if they have a camera to make sure it's you but imagine someone taking your cart (especially when you're not looking), going on a shopping spree and going to that checkout lane. 😂

👍 5 👎 REPLY

VIRTUAL REPRESENTATION :

Product with RFID TAG

RFID TAG READER / SCANNER

RFID TAG

Stm 32 board , controlling all the activities

WEIGHT SENSOR

SURVEY :-

year

32 responses

Legend:
- SE
- TE
- Other(faculty,family,friends)

78.1%

18.8%
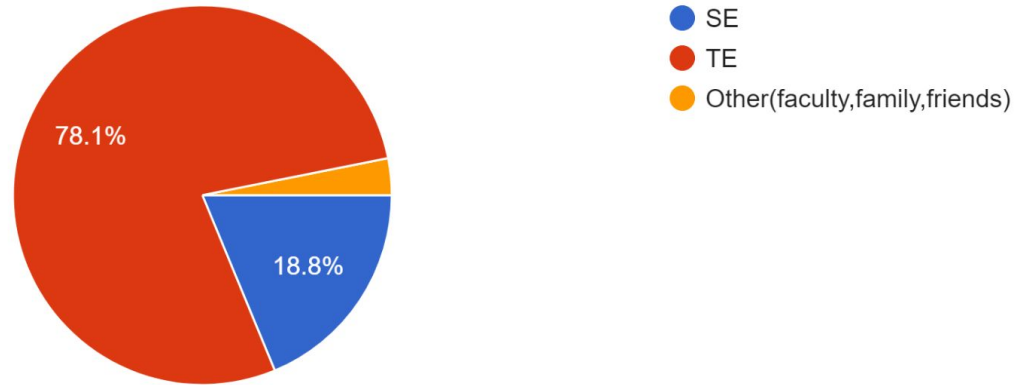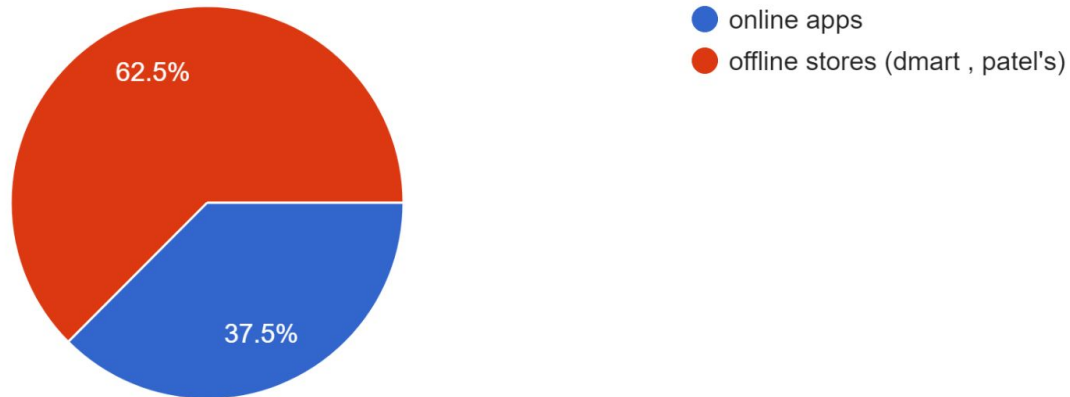
SERVEY:

what do you prefer when it comes to buy daily household stuff(ON A MONTHLY BASIS 1 or 3 months) (grains , cloth wash products , snacks , etc.)
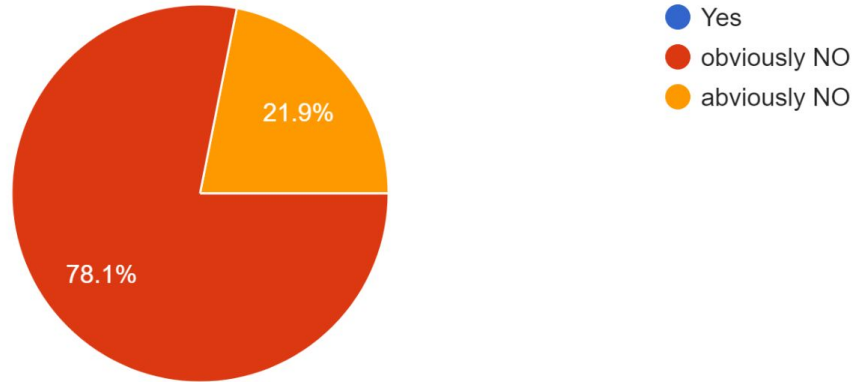
32 responses

● online apps
● offline stores (dmart , patel's)

62.5%

37.5%

SERVEY:

do you like to stand in long queues for billing

32 responses

● Yes
● obviously NO
● abviously NO

21.9%

78.1%

BOSCO GRIP KARTS KEY ASPECTS / COMPONENETS :

Text box - WEIGHT SENSOR TO BE ADDED

BOSCO GRIP KARTS KEY ASPECTS / COMPONENETS :

Text box - RFID INFO TO BE ADDED

THANKYOU