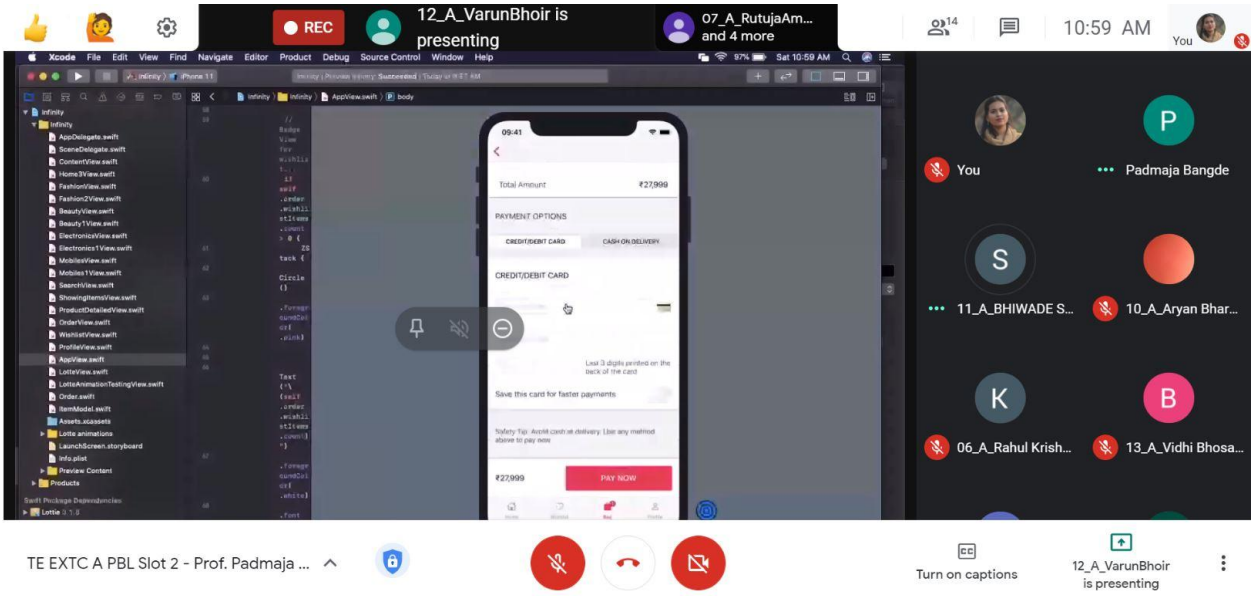
Department of Electronics and Telecommunication Engineering

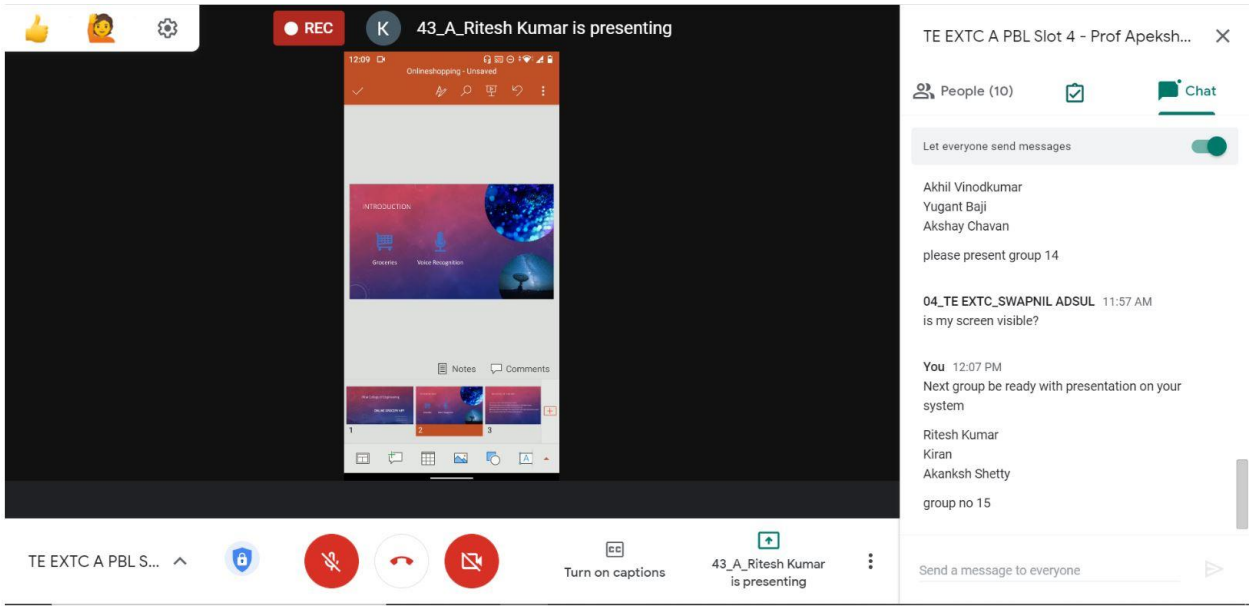
PROJECT BASED LEARNING

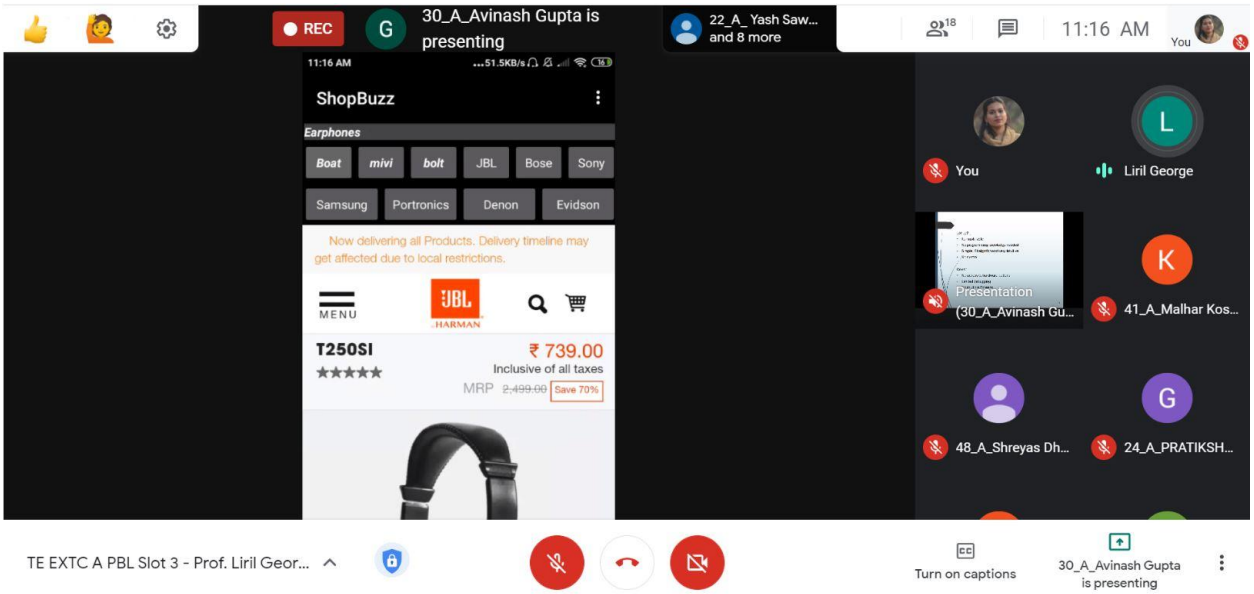
TE EXTC A

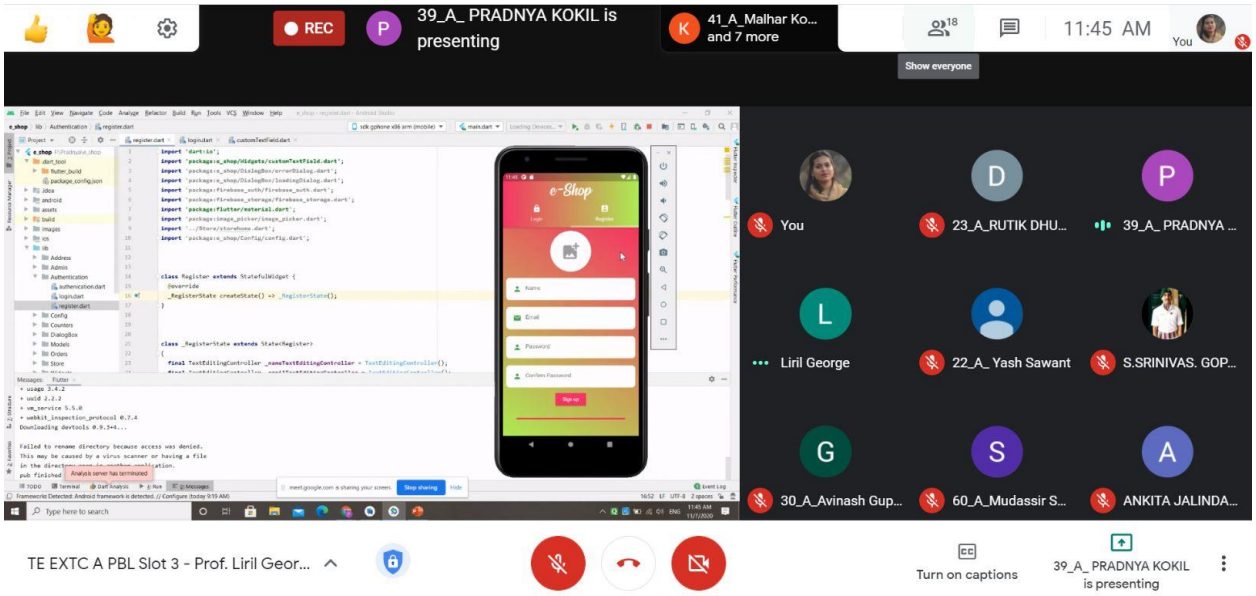
SEM V 2020-2021

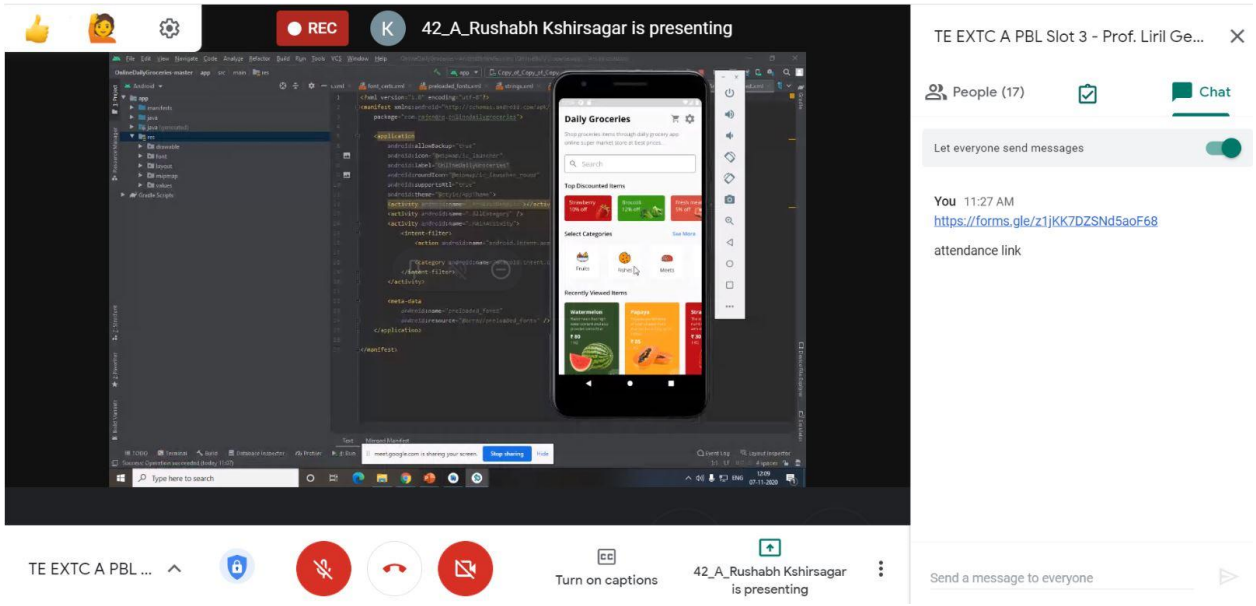
For July- December 2020, the PBL problem statement for Third Year Electronics and Telecommunication Engineering students was to design a mobile based application for online shopping. This online shopping app could be designed for groceries or electronic gadgets using Firebase, Android studio or any other platform. The PBL exhibition was held on 07th November 2020 where students showcased their projects. Project groups were examined by faculty members of Electronics and Electronics & Telecommunication departments. Few photographs of projects are shown.

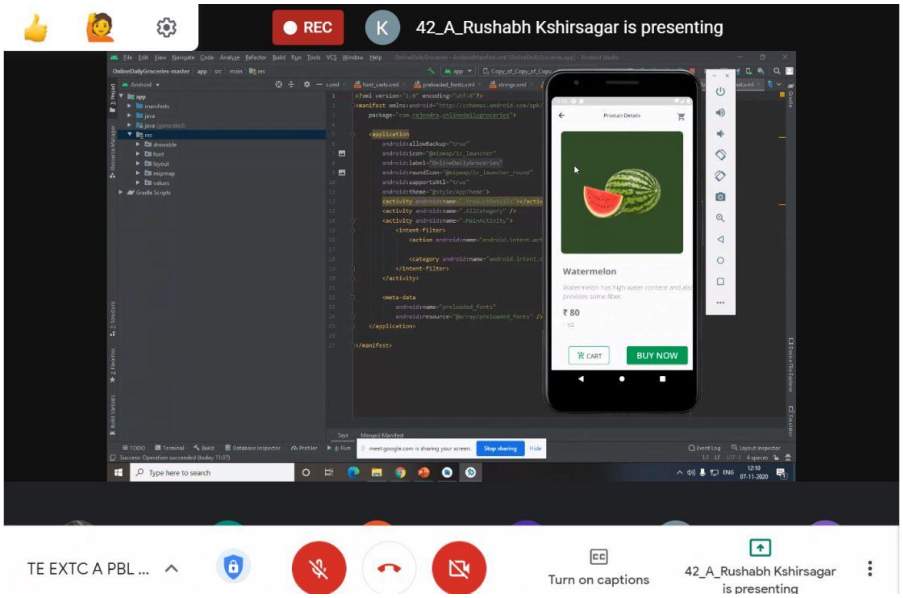


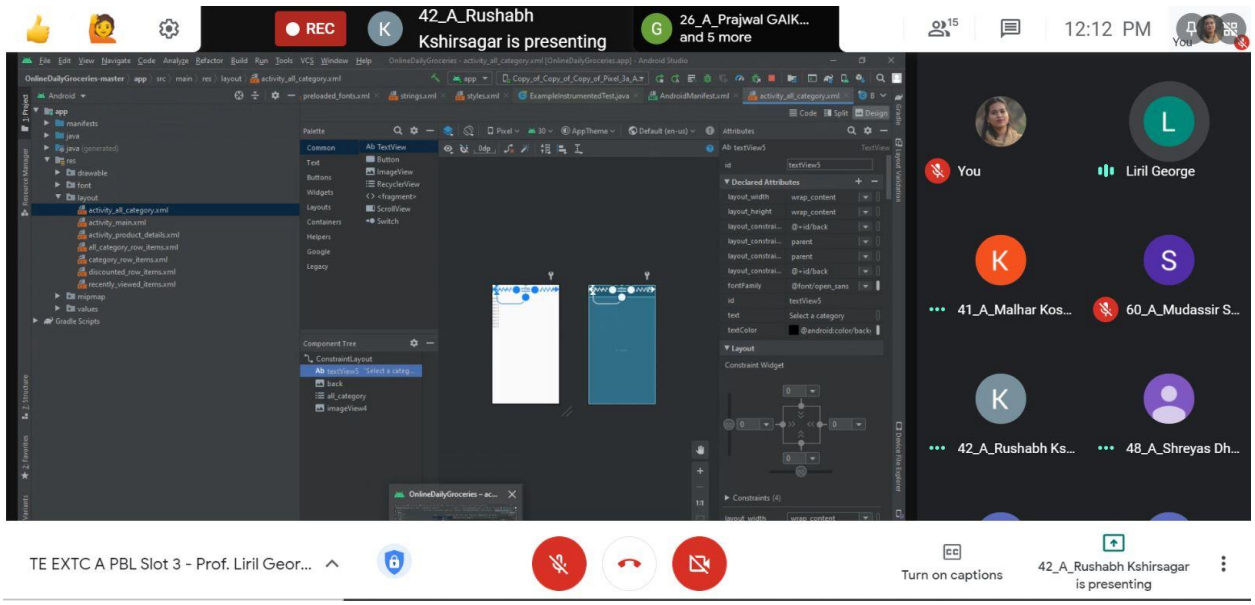

REC
43_A_Ritesh Kumar is presenting
TE EXTC A PBL Slot 4 - Prof Apeksh...
People (10)
Chat
Let everyone send messages
Akhil Vinodkumar
Yugant Baji
Akshay Chavan
please present group 14
04_TE EXTC_SWAPNIL ADSUL 11:57 AM
is my screen visible?
You 12:07 PM
Next group be ready with presentation on your system
Ritesh Kumar
Kiran
Akanksh Shetty
group no 15
Send a message to everyone
TE EXTC A PBL S...
Turn on captions
43_A_Ritesh Kumar is presenting


REC
30_A_Avinash Gupta is presenting
22_A_ Yash Saw... and 8 more
11:16 AM
You
ShopBuzz
Earphones
Boat
mivi
bolt
JBL
Bose
Sony
Samsung
Portronics
Denon
Evidson
Now delivering all Products. Delivery timeline may get affected due to local restrictions.
MENU
T250SI
₹ 739.00
Inclusive of all taxes
MRP 2,499.00
Save 70%
You
Liril George
Presentation
(30_A_Avinash Gu...
41_A_Malhar Kos...
48_A_Shreyas Dh...
24_A_PRATIKSH...
TE EXTC A PBL Slot 3 - Prof. Liril Geor...
Turn on captions
30_A_Avinash Gupta is presenting


REC
39_A_ PRADNYA KOKIL is presenting
41_A_Malhar Ko... and 7 more
11:45 AM
You
Show everyone
You
23_A_RUTIK DHU...
39_A_ PRADNYA ...
Liril George
22_A_ Yash Sawant
S.SRINIVAS. GOP...
30_A_Avinash Gup...
60_A_Mudassir S...
ANKITA JALINDA...
TE EXTC A PBL Slot 3 - Prof. Liril Geor...
Turn on captions
39_A_ PRADNYA KOKIL is presenting


REC
42_A_Rushabh Kshirsagar is presenting
TE EXTC A PBL ...
Turn on captions
42_A_Rushabh Kshirsagar is presenting
TE EXTC A PBL Slot 3 - Prof. Liril Ge...
People (17)
Chat
Let everyone send messages
You 11:27 AM
https://forms.gle/z1jKK7DZSNd5aoF68
attendance link
Send a message to everyone





Following are the group details ;

Group No.	Batch	Roll No.	Name	Project title
1	A3	57	Akul Nair	Supercook (Utility App)
		58	Vipul Tiwari	
		55	Madhuri Dhanawade	
		59	Aditya K	
2	A2	21	Akash Das	Online Shopping Application

		27	Ghosh Ridhi	
		32	Rishabh V Joshi	
		36	Kanojiya Abhijeet	
3	A1	17	Khagesh Chavan	Android App Development
		18	Samruddha Chavan	
		15	Purvesh Bute	
		3	Aditya Janardhanan	
4	A2	33	Shail Jyala	Android App Development
		37	Pooja Kulkarni	
		29	Aanchal Gowda	
		34	Yash Kadam	
5	A1	7	Rutuja Ambale	Online shopping app Development
		2	Anisha A.K Achary	
		13	Vidhi Rajesh Bhosale	
		14	Vidya Ashok Bordekar	
6	A1	12	Varun Bhoir	Online shopping app Development
		10	Aryan Bhardwaj	
		6	Rahul Krishnan	
		11	Sagar Bhiwade	
7	A1	01	A.V.L.Yasaswi	Grocery shopping Application
		19	Devi Lal	
8	A3	45	Abhijeet Mankame	Online grocery app
		46	Jay Mhatre	
		47	Sushanth Poojari	
		50	Shubham Pawar	
9	A2	24	Pratiksha Gadge	Grocery shopping Application
		26	Prajwal Gaikwad	
		30	Avinash Gupta	
		31	Abha Jadhav	
10	A2	22	Yash Sawant	E market application
		23	Rutik Dhumal	
		39	Pradnya kokil	
		28	Srinivas goparaju	
		20	Choudhary Mohd Khalid A.A	
11	A3	51	Taskeen Mulla	E- Market application
		53	Ankita Deokar	
		60	Mudassir Solkar	
12	A3	41	Malhar Koshe	grocery app
		42	Rushabh Kshirsagar	

		49	Sonu	
		48	Shreyash Dhakate	
13	A2	25	Divya Gadhvi	e-furnishing
		35	Neha kamath	
		38	Nimesh khatri	
		40	Nikhil koli	
14	A1	4	Swapnil Adsul	Shopping Application for Groceries
		5	Akhil Vinodkumar	
		9	Yugant Baji	
		16	Akshay Chavan	
15	A3	43	Ritesh Kumar	Online grocery app
		44	Kiran	
		53	Akanksh Shetty	
16	A3	**52**	Shetty Akanksh Harish	Online Shopping Application
		54	Aniket Anand Patil	
		56	Sharad Nair	
		61	Pratyoosh	
		62	Aebin Thomas	

Mahatma Education Society's

Pillai College of Engineering

Department of Electronics Engineering

TE Electronics

Odd Semester (2020-21)

PBL TOPIC:Android App development

Project-based learning (PBL) is a powerful teaching method that has extensive benefits for students, ranging from critical thinking to project management to self-confidence. Project-Based Learning is usually a collaborative process, which allow students to practice their communication skills and to learn to work together.

This new generation is really exposed to advanced gadgets and technologies. With the help of PBL students are utilizing subject knowledge to implement and design the problem statement given by the department. Every semester the Department suggests realistic problems and expects very simple solutions using easily available materials and components from the student.

For July-December 2020, the PBL problem statement for Third Year Electronics Engineering students was to develop an Android App which requires knowledge of subjects like Microprocessors and Microcontrollers, Design with Linear Integrated Circuits, DBMS.We have created problem statements with different features.

In the view of the current pandemic situation, people have adapted to online shopping for various needs right from basic needs like grocery ,vegetables to other luxury necessities.

To design a platform for the various sellers to make their product available for selling online.

For e.g. Easy Market App:

This application will help salespersons in managing the various types of Records such as client details, supplier details, product list and help to easily sell the product.The user can add a new product into the list by name, price or delete any product from the list which is not available in the market. It allowed changing the price of the product not affect the price registered in the catalogue of products. It shows how much the quantity of each product is present in the inventory. It has an option to filter the products. It allows to record the customer details and show when he last came, what products he bought that day, the total price of the products. It records and shows the supplier details like the name of supplier, last visit, amount. It also displays how much profit he earned that day and how much is initial money at the opening of the day and total money at the closing of the day.

Android App development

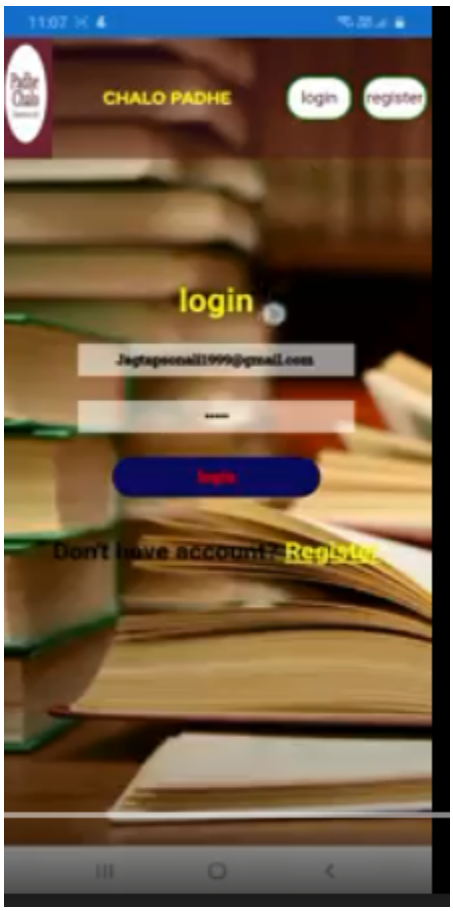
List of the Topics Developed by the students:

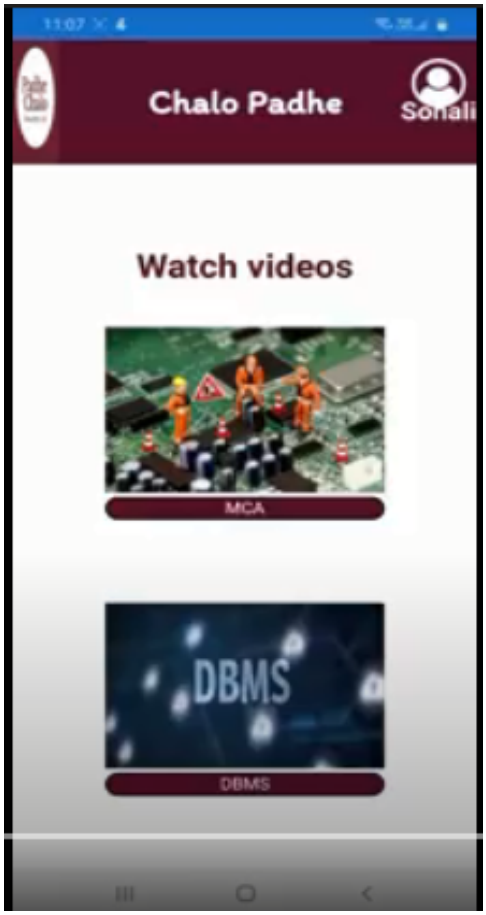
- Smart Grocers
- Library Management System
- Smart Buy
- CarBot(IoT)
- Indian Heritage and Culture
- Electronic Components
- Online Movie ticket booking
- Food delivery
- Library Management System
- E-learning App
- Book Addict : Online Books Shopping Store

15 student groups were working on different problems on development of Android App. Each group consists of 3 to 4 students. Many students have implemented the prototype and demonstrated their ideas in front of the internal examiners on **6th November 2020**.

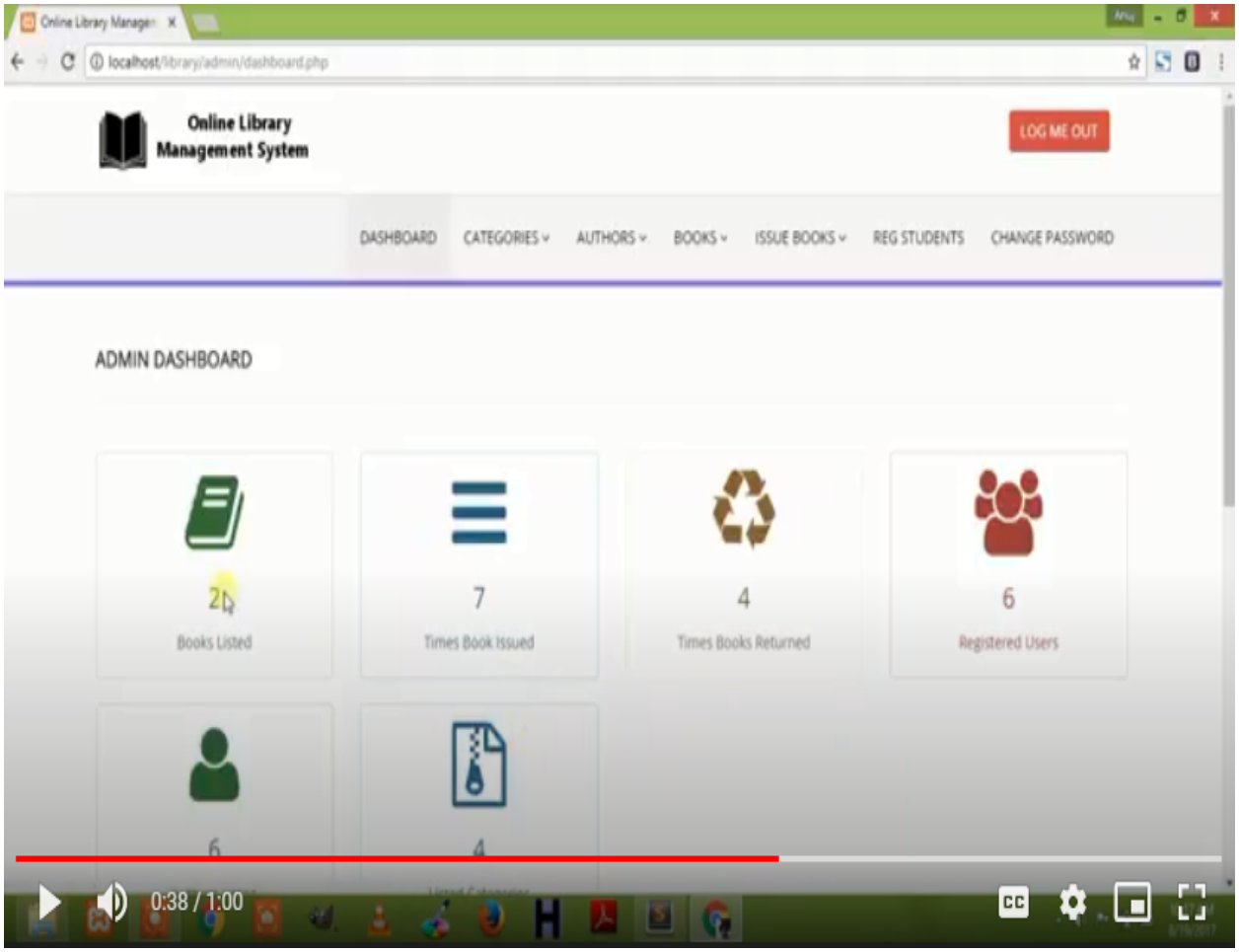
Some Project Screenshots:

1.E Learning App

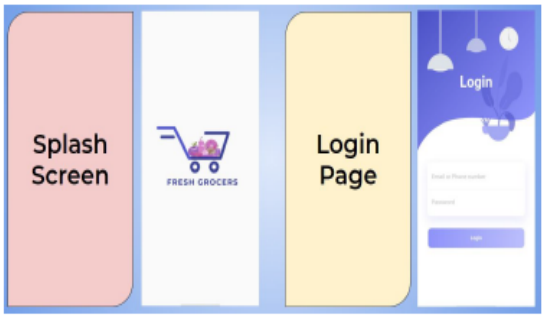


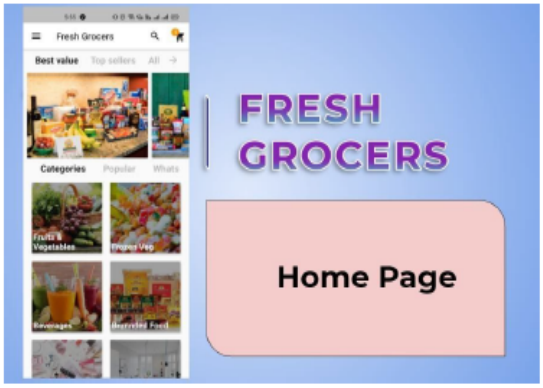


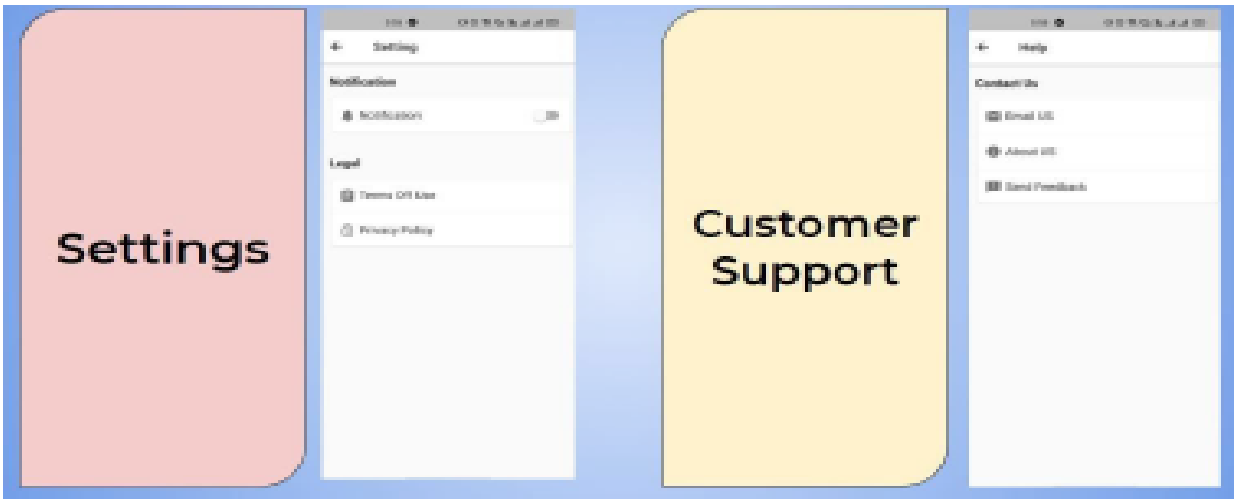
2.Library Management System



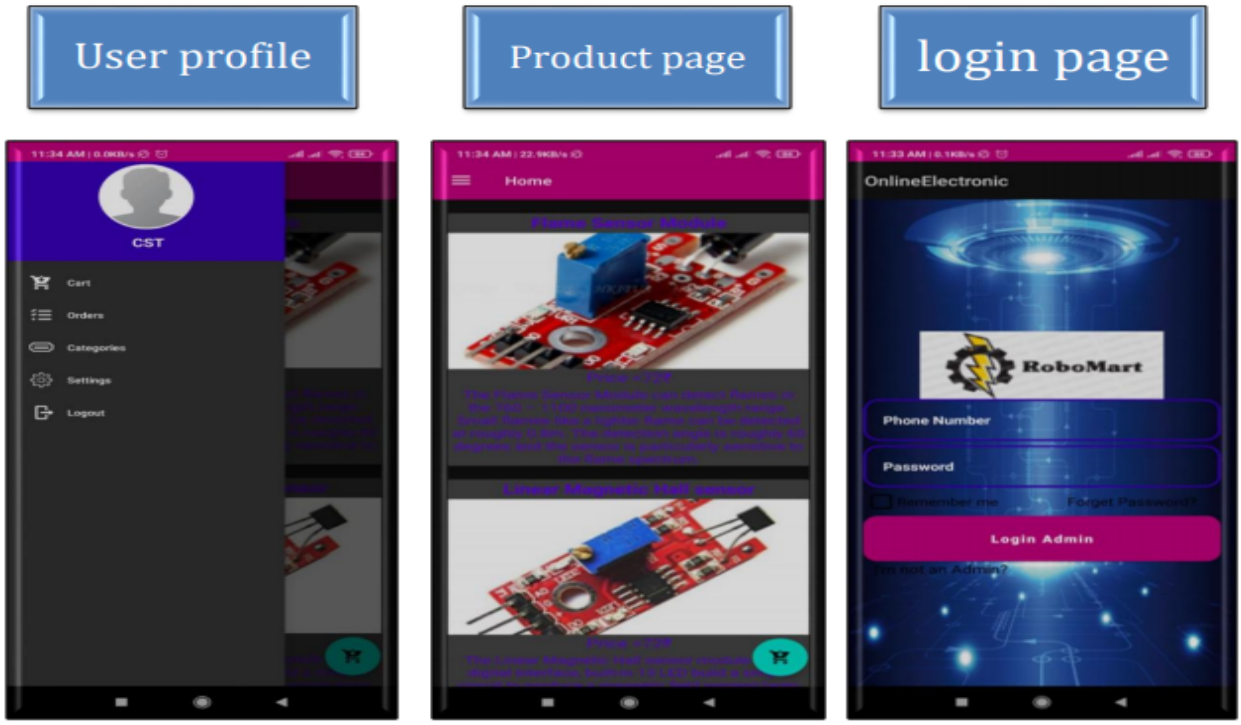
3.Online Smart Grocers App



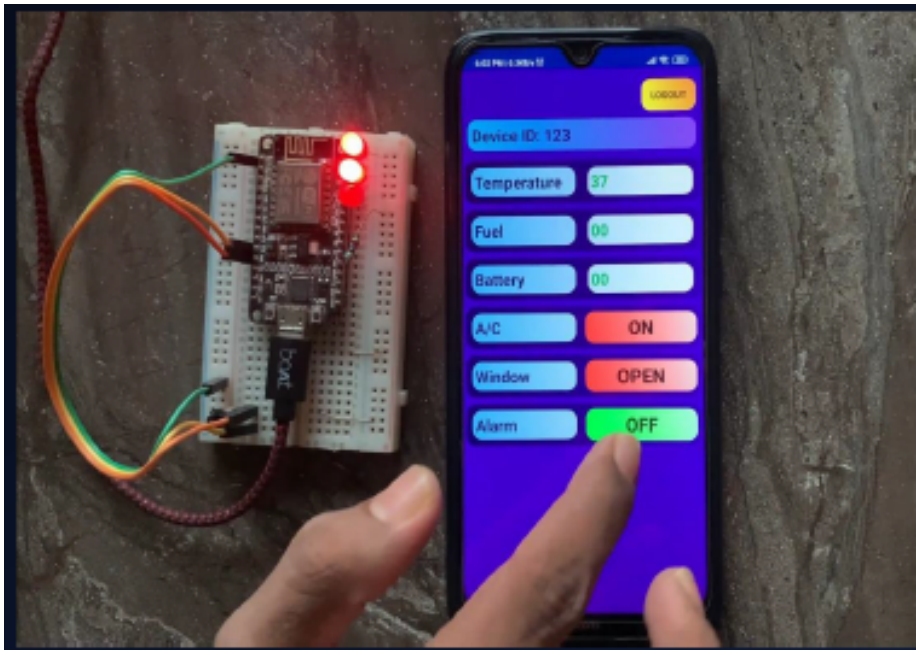




4. Online Electronic Shopping App



5. CAR BOT



Students Developed a web application and an android application for purchasing items from a shop. This project helped them in gaining valuable information and practical knowledge on several topics like designing web pages using html & css, designing of android applications, JavaScript, PHP and management of database using MySQL.