

BMS INSTITUTE OF TECHNOLOGY & MANAGEMENT

BENGALURU - 560064

PROJECT BASED
LEARNING

Open Day

2020-21 ODD SEMESTER

in collaboration with



**INSTITUTION'S
INNOVATION
COUNCIL**
(Ministry of HRD Initiative)

04/12/2020 & 07/12/2020

PBL Main Coordinator:

Dr. Anil G N

Prof & Head, CSE, BMSIT&M

Compiled and Edited by:

Mr. Shankar R

Asst. Professor, CSE, BMSIT&M;

and all the Departmental PBL Coordinators.

INVITATION



BMS INSTITUTE OF TECHNOLOGY AND MANAGEMENT

Doddaballapur Main Road, Avalahalli, Yelahanka, Bengaluru, Karnataka 560064

BMSIT&M OPEN DAY

Online projects (PBL) presentation

In collaboration with BMSIT&M - Institution
Innovation Council, Ministry of Education, Gol



**INSTITUTION'S
INNOVATION
COUNCIL**

(Ministry of HRD Initiative)

**Date and Time: 04-12-2020, FRIDAY
Inauguration @ 9:00AM**

Guests of Honour

Sri. M. Madan Gopal, IAS (Retd.)

Chairman, BMSIT&M and BMSSA, Trustee, BMSET
Former Additional Chief Secretary, GoK

Dr. Mohan Babu G. N.

Principal, BMSIT&M



PREAMBLE

BMS INSTITUTE OF TECHNOLOGY AND MANAGEMENT, Avalahalli, Yelahanka, Bengaluru, organized OPENDAY: PROJECT EXHIBITION-2020 in collaboration with, Institution Innovation Council, Ministry of Education, Govt of India.on FRIDAY 4th, December 2020 and on MONDAY 7th December 2020 to exhibit the project based learning work carried out by the students of the institution. The projects exhibited the student’s ability to apply their learning to solve the real world problems. Several hundreds of projects in the emerging areas like IOT, Block Chain, Bluetooth, Cryptography and Network Security, Data Analytics and Data Mining, Automobile, Waste management, Android, Agricultural equipment, Health etc. were exhibited and their working principles were demonstrated. Experts from the industry and reputed academic institutions were part of the Judging team.

The Principal in his opening remarks said that BMSIT&M is a premier accredited institute, where a lot of emphasis is given to the project based learning, industry internships, innovative methods of teaching and learning process. He opined he would have visited all the departments physically had we were spared with this pandemic, but nevertheless he could visit virtually. Last semester’s Open Day had to be cancelled due to an inevitable situation. What people wanted is what is important. Once a solution is provided, every problem could be solved in 100’s of ways. He pointed to all students to try to generate as many solutions which are economical, financial and feasible and compatible. Most of the Ideas end up in PBL itself and we all should strive hard to commercialize them and exercise Entrepreneurial skills. He specifically mentioned about the spirit of “Do It Yourself” being inculcated in the students. The Institute provides platform for incubating technology and space for young entrepreneurs to germinate their

ideas into products. He also mentioned that financial assistance and rewards are extended to the students.

A lot of focus on learning and project orientation is emphasized in order to make the students employable. Inter-disciplinary and social relevance projects are done by a large number of students. Total of around 471 projects were exhibited by the students. (CSE-124, ISE-94, ETE-31, ECE-86, EEE-35, ME-27, CIVIL-28, AI&ML-19, MCA-27). We witnessed around 460 students participating for the Inauguration of the Open Day via Webex.

The projects taken up by the students are associated with the courses of their semester in which students have taken up few challenges and realized the same with the help of peer groups and faculty mentors. These projects were evaluated in two levels. First level by the internal committee on 04/12/2020 and second level by external committee on 07/12/2020.

The judges expressed that many of the projects could be scaled up to product and patent level. They also felt that focus could be leading students from being employable to becoming entrepreneurs.

Some of the Societal relevance and Technological Innovative Projects demonstrated from each department:

Department of Electronics & Telecommunication Engineering

- **Evanesco-An Ultrasonic Repeller Using UAV**
- **Automated Telecommunication Chatbot**
- **A Novel Algorithm To Detect Stress Using EEG Signals**
- **Sound To Electricity Conversion**
- **A Novel Algorithm To Detect Stress Using EEG Signals**
- **Smart learning system for deaf and dumb**
- **Areca nut fruit cutter using drone**

Department of Mechanical Engineering

- **Water Level Indicator**
- **Home Automation using Mobile Application**
- **Automatic Railway Gate**
- **Blind Automatic Robot Controller**
- **e-Solar Compost Bin**
- **Automated Floor Cleaner**
- **Fire Fighting Robot**

Department of Electrical & Electronics Engineering

- **Detection of Over Speed Automatically**
- **Automatic Room Light Controller with Bidirectional Visitor Counter**
- **Design and development of an air gesture interface for wheelchair motion and home access**

Department of Electronics & Communication Engineering

- **Vehicle Accident Prevention And Alert System**

- Development Of An Application For Ordering Food Online From Our Canteens
- Predator Drone
- Krishi Mitra Mini
- Exploratory Data Analysis
- Smart Home
- Plant Disease Detection Using Matlab
- Switching Linear PSU With Readout
- X Controlled Gripper Bot
- Transport Logging And Boarding Management System
- Garbage Monitoring System
- Contactless Attendance System Using Face Recognition

Department of Computer Science & Engineering

- Music Store (Stream & Purchase)
- voice bot
- parking Lot Management System
- Automatic Hand Sanitizer and Temperature System
- Multi Sensor System
- Covid 19 - Risk Calculation Chat Bot (CRC - 19)
- Anomaly Detection
- Music Player
- Learn the Periodic Table
- Knight's Travails
- Transchat
- RoboLab
- syncope
- Messenger Protocol Using Python
- Simplified Transmission Control Protocol
- Proxy Server
- Agri Tech
- Socket Video Call
- Lift automation

Department of Information Science & Engineering

- Automatic Gas Booking
- Waste Segregation using Robotic Arm
- Collision Avoidance Blind Stick
- Hydroponic Farming
- Blockchain for Patient Health Records
- Random Question Paper Generation System

Department of Civil Engineering

- Water flow sensor for regulating water supply in urban town planning
- Prototype Development of Floating Photovoltaic System
- Automated Waste Segregation using Arduino
- App development to alert consumers of water levels in OHT and activate pump with manual intervention
- Use of plastic waste for production of light weight concrete
- Urban Runoff Automated Ground Water Recharging Wells

Department of Artificial Intelligence and Machine Learning

- Chat Bot
- Hot Spot Detection Alarm System
- Social Distancing Detector

- Travel safe with voice assisting alerts based on face mask detection
- Smart Attendance
- Urban Growth Prediction Model
- Sensory Alert Mask
- Safe Contactless Elevators with social Distancing Alert
- Analysis of Media Coverage on Covid Situation
- Automatic sanitizer dispenser
- Virtual Queueing
- Towards Compressed Live Image Transfer: A DNN Approach
- Contactless Doorbells
- Predictive analysis in probability of affected individuals through mass investigations
- Traffic Light Detector for Self - Driving cars using Machine Learning

Master of Computer Applications

- Solar Tracking Panel
- Smart Crop Protection and Fire Detection
- Smart Cradle System
- Smart Footwear for Women
- Agricultural Solutions using IoT
- Bluetooth Control Rover
- Smart Dustbin

<https://bmsit.ac.in/openday> --- 04/12/2020

The screenshot shows the website header with the BMS Institute of Technology & Management logo and navigation menu. The main banner reads: "PBL - OPEN DAY - 2020-21 ODD SEMESTER - 04/12/2020 & 07/12/2020 - IN COLLABORATION WITH BMSIT&M - INSTITUTION INNOVATION COUNCIL, MINISTRY OF EDUCATION, GOVT OF INDIA." Below the banner, there is a breadcrumb trail: "Home // PBL - Open Day - 2020-21 Odd Semester - 04/12/2020 & 07/12/2020 - In collaboration with BMSIT&M - Institution Innovation Council, Ministry of Education, Govt of India."

Preamble

BMSIT&M organizes an OPEN DAY: PROJECT EXHIBITION at the end of every semester to exhibit the Project Based Learning (PBL) work carried out by the students of the institution, similar to IISc open day. The projects exhibit the student's ability to apply their learning to solve the real world problems. Several hundreds of projects in the emerging areas like IoT, Block Chain, Bluetooth, Cryptography and Network Security, Data Analytics and Data Mining, Automobile, Waste management, Android, Agricultural equipment, Health etc. are exhibited and their working principles are demonstrated. Experts from the industry and reputed academic institutions are part of the Judging team.

OPEN DAY for 2020-21 Odd Semester has been scheduled on 04-12-2020 and will be done ONLINE.

[Please Click Here to join the Inauguration - 04.12.2020 @ 9:00 am](#)

Please check out the following Department wise links to witness our Students potential in capturing Ideas and turning them into Reality.

- BMSIT&M in Media
- Circulars
- Proceedings & Reports
- Patents
- Best Practices
- Important Information
- NSCST Projects
- Open Day 2020
- Tech Transform 2020

The poster features the BMS Institute of Technology and Management logo at the top. Below it, the text reads: "BMSIT&M OPEN DAY Online projects (PBL) presentation". It mentions the collaboration with BMSIT&M - Institution Innovation Council, Ministry of Education, Govt of India. The date and time are specified as "Date and Time: 04-12-2020, FRIDAY Inauguration @ 9:00AM". The guests of honor are listed as "Sri. M. Madan Gopal, IAS (Retd.) Chairman, BMSIT&M and BMSSA, Trustee, BMSET Former Additional Chief Secretary, GoI" and "Dr. Mohan Babu G. N. Principal, BMSIT&M".

<p>Electronics and Communication Engineering</p> <p>ECE - Projects List ECE - Promo Video</p> <p>3rd ECE - A 5th ECE - A</p> <p>3rd ECE - B 5th ECE - B</p> <p>3rd ECE - C 5th ECE - C</p>	<p>Electronics and Telecommunication Engineering</p> <p>ETE - Projects List ETE - Promo Video</p> <p>3rd ETE</p> <p>5th ETE</p>	<p>Electrical and Electronics Engineering</p> <p>EEE - Projects List EEE - Promo Video</p> <p>3rd EEE</p> <p>5th EEE</p>
<p>Computer Science and Engineering</p> <p>CSE - Projects List CSE - Promo Video</p> <p>3rd CSE - A 5th CSE - A</p> <p>3rd CSE - B 5th CSE - B</p> <p>3rd CSE - C 5th CSE - C</p>	<p>Information Science and Engineering</p> <p>ISE - Projects List ISE - Promo Video</p> <p>3rd ISE - A 5th ISE - A</p> <p>3rd ISE - B 5th ISE - B</p> <p>3rd ISE - C</p>	<p>Artificial Intelligence and Machine Learning</p> <p>AI&ML - Projects List AI&ML - Promo Video</p> <p>3rd AI&ML</p>
<p>Master of Computer Applications</p> <p>MCA - Projects List MCA - Promo Video</p> <p>5th MCA</p>	<p>Mechanical Engineering</p> <p>ME - Projects List ME - Promo Video</p> <p>3rd ME</p> <p>5th ME</p>	<p>Civil Engineering</p> <p>CV - Projects List CV - Promo Video</p> <p>3rd CV</p> <p>5th CV</p>

[View the Last Open Day Report Here](#)

[2019-20 Odd Sem PBL Open Day Report](#)

Open Day Inauguration via WebEx --- 04/12/2020

The screenshot displays a Cisco WebEx meeting window. The central video feed shows a man with glasses and a mustache, wearing a grey suit jacket and a blue lanyard with 'BMSIT' on it. The background of the video feed shows a desk with a laptop, framed certificates, and a shelf with trophies. The top of the window has a menu bar with 'Cisco WebEx Meetings', 'Meeting Info', and 'Hide menu bar'. Below the menu bar are options for 'File', 'Edit', 'Share', 'View', 'Audio & Video', 'Participant', 'Meeting', and 'Help'. On the right side, there is a 'Participants (460)' list with a search bar and a refresh icon. The list contains names and IDs of participants, such as 'Dr. HemaMalini B H Me', 'BMSIT&M admin Host', 'Principal Cohost', 'SRINIVAS REDDY', and several students with IDs like '1BY18CS059_Gunavathi R Bhat'. At the bottom of the window, there are controls for 'Unmute', 'Start video', 'Share', and 'Participants/Chat'. The Windows taskbar is visible at the very bottom, showing the search bar and various application icons.



<https://bmsit.ac.in/openday> --- 07/12/2020

← → ↻ 🔒 bmsit.ac.in/openday 🔍 ☆ 📱

 **BMS INSTITUTE OF TECHNOLOGY & MANAGEMENT** FACULTY STUDENT CAREERS AT BMS

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PBL - OPEN DAY - 2020-21 ODD SEMESTER - 04/12/2020 & 07/12/2020 - IN COLLABORATION WITH BMSIT&M - INSTITUTION INNOVATION COUNCIL, MINISTRY OF EDUCATION, GOVT OF INDIA.

Home // PBL - Open Day - 2020-21 Odd Semester - 04/12/2020 & 07/12/2020 - In collaboration with BMSIT&M - Institution Innovation Council, Ministry of Education, Govt of India.

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OPEN DAY for 2020-21 Odd Semester was scheduled on 04-12-2020 (Internal Evaluation) and 07-12-2020 (External and Final Evaluation) and conducted via ONLINE.

View the Selected Projects for the Final Evaluation which happened on 07-12-2020.

[Open Day 2020 Projects Selected - Internal](#)

Please check out the following Department wise links to witness our Students potential in capturing Ideas and turning them into Reality.



BMS INSTITUTE OF TECHNOLOGY AND MANAGEMENT
Toddaballapur Main Road, Anantnagar, Tenali, Bangalore, Karnataka 560084

BMSIT&M OPEN DAY
Online projects (PBL) presentation

In collaboration with BMSIT&M - Institution Innovation Council, Ministry of Education, GoI



Date and Time: 04-12-2020, FRIDAY
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Principal, BMSIT&M

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- [Important Information](#)
- [KSCST Projects](#)
- [Open Day 2020](#)
- [Tech Transform 2020](#)


Electronics and Communication Engineering

[ECE - Projects List](#) [ECE - Promo Video](#)

[ECE Judge Link 1](#) [ECE Judge Link 2](#)



ECE Open Day Video


Electronics and Telecommunication Engineering

[ETE - Projects List](#) [ETE - Promo Video](#)

[ETE Judge Link](#)

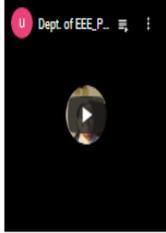


ETE Open Day Video


Electrical and Electronics Engineering

[EEE - Projects List](#) [EEE - Promo Video](#)

[EEE Judge Link](#)

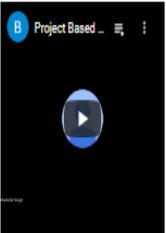


EEE Open Day Video


Computer Science and Engineering

[CSE - Projects List](#) [CSE - Promo Video](#)

[CSE Judge Link 1](#) [CSE Judge Link 2](#)



CSE Open Day Video


Information Science and Engineering

[ISE - Projects List](#) [ISE - Promo Video](#)

[ISE Judge Link 1](#) [ISE Judge Link 2](#)



ISE Open Day Video


Artificial Intelligence and Machine Learning

[AI&ML - Projects List](#) [AI&ML - Promo Video](#)

[AI&ML Judge Link](#)



AI&ML Open Day Video


Master of Computer Applications

[MCA - Projects List](#) [MCA - Promo Video](#)

[MCA Judge Link](#)



MCA Open Day Video


Mechanical Engineering

[ME - Projects List](#) [ME - Promo Video](#)

[ME Judge Link](#)



MECH Open Day Video


Civil Engineering

[CV - Projects List](#) [CV - Promo Video](#)

[CV Judge Link](#)



CIVIL Open Day Video

[View the Last Open Day Report Here](#)

[2019-20 Odd Sem PBL Open Day Report](#)

MEDIA COVERAGE - OPEN DAY --- 04/12/2020

<https://bmsit.ac.in/media>

04-12-2020 - Open Day - 2020-21 Odd Semester - New Indian Express



04-12-2020 - Open Day - 2020-21 Odd Semester - Prajavani



PROMO VIDEOS LINKS - OPEN DAY

Sl. No	Department	Promo Video Link
1	ECE	https://youtu.be/R_f1dQbZBJE
2	ETE	https://www.youtube.com/watch?v=8geC7P5PWRA
3	EEE	https://youtu.be/rm0-EEAqUTI
4	CSE	https://youtu.be/dktluK4YTCU
5	ISE	https://www.youtube.com/watch?v=fbME_ve21q8
6	AI&ML	https://www.youtube.com/watch?v=Piu8lj0L3l8
7	MCA	https://youtu.be/aBkg4BNL5qA
8	MECH	https://www.youtube.com/watch?v=vbdVg8C3GNo
9	CIVIL	https://youtu.be/pJ3vRKEH17c

DEMONSTRATION VIDEOS LINKS - OPEN DAY

Sl. No	Department	Demonstration Video Link
1	ECE	https://youtu.be/toaYq6NeGC0?list=PLOAfLI7cp0J4x5SDS-sKbaU_nzAEzZfX
2	ETE	https://youtu.be/TUEfXNqFgwk
3	EEE	https://youtu.be/7CdzNAMtmac
4	CSE	https://youtu.be/nDF79K-E7ek
5	ISE	https://youtu.be/_obMgRTQQcg?list=PLhpg7_v_PAydgJRrfcFf7hApktoeSTyZ
6	AI&ML	https://youtu.be/TvuVQe_3p2o
7	MCA	https://youtu.be/DyJbiX6n6ok
8	MECH	https://youtu.be/ei4F690-d-M
9	CIVIL	https://youtu.be/kvt9x3ne2gw

Computer Science & Engineering

The Department of Computer Science & Engineering proudly hosted the 2020-21 Odd Semester's Project Based Learning Open Day encompassing 122 projects in various fields of Computer Science.

JUDGES

1. Mr. Mohammed Mukthar Ahmed – Senior Consultant, Aprameyah Technologies
2. Mr. Sandeep Patil H P – Staff Engineer, Marvell Semiconductors
3. Dr. Hemamalini B H – Associate Professor, CSE, BMSIT&M
4. Dr. Mahesh G – Associate Professor, CSE, BMSIT&M
5. Dr. Usha B A – Associate Professor, CSE, BMSIT&M
6. Prof. Bharathi R – Associate Professor, CSE, BMSIT&M
7. Dr. Satish Kumar T – Assistant Professor, CSE, BMSIT&M
8. Prof. Anand R – Assistant Professor, CSE, BMSIT&M
9. Prof. Jagadish P – Assistant Professor, CSE, BMSIT&M
10. Prof. Muneshwara M S – Assistant Professor, CSE, BMSIT&M
11. Prof. Rajesh N V – Assistant Professor, CSE, BMSIT&M
12. Dr. Arunakumari B N – Assistant Professor, CSE, BMSIT&M
13. Dr. Lakshmi B N – Assistant Professor, CSE, BMSIT&M
14. Dr. Radhika K R – Assistant Professor, CSE, BMSIT&M
15. Prof. Ambika G N – Assistant Professor, CSE, BMSIT&M
16. Prof. Ashwini N – Assistant Professor, CSE, BMSIT&M
17. Prof. G Y Durga Devi – Assistant Professor, CSE, BMSIT&M
18. Prof. Shruthi J – Assistant Professor, CSE, BMSIT&M
19. Prof. Srivani P – Assistant Professor, CSE, BMSIT&M
20. Prof. Vidya R Pai – Assistant Professor, CSE, BMSIT&M

PRIZE WINNERS

Sem	Section	Name	PBL Title	Prize	
3	A	Kevin Noel K	Music Store (Stream & Purchase)	1	
		H Vishwesh Krishna			
		Meghana Arora			
		Chandana D G			
	A	Aditi Lal	Voice Bot	2	
		Ananyashree			
		Ameesha Kaur Oberoi			
	B	Harsh Verma	Automatic Hand Sanitizer and Temperature System	1	
		Rishav Visen			
		Rohan B N			
		Prajwal M			
		Pavan M			
		Poorvik D			
		Rishab S Rokhade			
	Prajwal D	COVID - 19 Risk Calculation Chat Bot (CRC-19)	2		
	C	Mohammed Owais	Music Player	1	
Sohan kumar T R					
Siddharth Vaddem					
Vishal Hanuman					
Syed Tabraiz					
Suraksha M Avanthakar		Learn the Periodic Table			2
Ujwala B					
Shravani					
Tejaskriya					
5	A	Asif Ali Ahmed R	TransChat	1	
		Ankriti Pandey			
		Aryan Anand			
		Ayush M Jain			
		Anmol			
	A	Ashutosh Kumar	Robolab	2	
		Gaurav Setia			
		Harish Kumar S Guragol			
		Guragol			
	B	Roobini G	Messenger Protocol Using Python	1	
		Prerana Kulkarni			
		Sai Sparsha			
		Tanuja R			
		Ranjith Kishore AV	Simplified transmission control protocol	2	
		Ravi Kumar Singh			
		Ritika Singh			
	Ritika Verma				
	C	Sharanu	Agri Tech	1	
Bhumika Dinesh Shetty					
Shreyas N Raj					
Varsha Bang					
Shrivathsa P		Socket Video Call	2		
Shubham Mishra					
Tarush J Reddy					
G Vinidkumar					

Glimpses of CSE - PBL Presentations

The screenshot shows a Google Meet window with a presentation titled "Music Store". The presentation content includes a menu with the following items:

- 1.Login
- 2.Login as Admin
- 3.Login as Admin
- 4.Exit

Below the menu, there is a prompt: "Enter your choice: 3" and "Enter email id:". The presentation is being shared by 1BY19CS049 H Vishwesh Krishna. The meeting details panel on the right shows 63 participants, including 1BY19CS177 Varshini S, 1BY19CS182 Vishal Hanu..., 1BY19CS195 Ganesh Pra..., 1BY19CS197 Kajol Sham..., 1BY19CS206 Poojaya N..., Chandana D G CSE 201..., Dr. Usha B A, Meghna Arora CSE 201..., Mohammed Mukhtar A..., and Prerana R Bhat CSE 201...

The screenshot shows a Google Meet window with a presentation titled "1BY19CS004 Aditi Lal is presenting". The presentation content includes a menu with the following items:

- 1.FACULTIES
- 2.COMPANY AND RECRUITMENTS
- 3.CUTOFF FOR CET AND COPEX
- 4.Exit

Below the menu, there is a prompt: "Enter your choice: 3" and "Enter the year(2017-2019): 2018". The presentation also displays the following text:

KCET: 3800 and COPEX: 5702

The presentation is being shared by 1BY19CS004 Aditi Lal. The meeting details panel on the right shows 77 participants, including 1BY19CS191 Ayushree So..., 1BY19CS194 Gajeel R., 1BY19CS195 Ganesh Pra..., 1BY19CS197 Kajol Sham..., 1BY19CS206 Poojaya N., Chandana D G CSE 201..., Divyashree R EEE-2019..., Dr. Usha B A, Mohammed Mukhtar A., and Prerana R Bhat CSE 201...

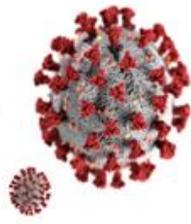
meet.google.com/vwq-bxwv-iev?authuser=0

REC P 1BY19CS103_POORVIK is presenting

ABOUT COVID-19

Coronavirus disease 2019 (COVID-19) is an infectious disease caused by severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2).

[READ MORE](#)



FEVER SYMPTOMS

Mohammed 1BY19CS103 Prerana R Bh... 1BY19CS117

Meeting details

People (62)

- 1BY19CS190 ASHWINS...
- 1BY19CS191 Ayusha So...
- 1BY19CS194 Gajeele R...
- 1BY19CS195 Ganesh Pra...
- 1BY19CS200 Mohamma...
- 1BY19CS206 Poojya N...
- 1BY19CS213 Veerasamy...
- Dr. Usha B A
- Mohammed Mukhtar A...
- Prerana R Bhat CSE 201...

meet.google.com/vwq-bxwv-iev?authuser=0

REC S 1BY19CS128 SHASHANK is presenting

Anomaly detector

2012-11-09 18:35:44

Violent activities



```

[{"x": 10, "y": 10, "z": 10}, {"x": 20, "y": 20, "z": 20}, {"x": 30, "y": 30, "z": 30}, {"x": 40, "y": 40, "z": 40}, {"x": 50, "y": 50, "z": 50}, {"x": 60, "y": 60, "z": 60}, {"x": 70, "y": 70, "z": 70}, {"x": 80, "y": 80, "z": 80}, {"x": 90, "y": 90, "z": 90}, {"x": 100, "y": 100, "z": 100}

```

Meeting details

1BY19CS132 Saksham Bejani 9:53 AM its vscode

1BY19CS103_POORVIK 9:54 AM Atom Spyder

1BY19CS132 Saksham Bejani 9:54 AM atom

1BY19CS117 Rishab S Rokhade 11:21 AM Feel free to check it out at <https://cvr19.pythonanywhere.com/> Click Now !

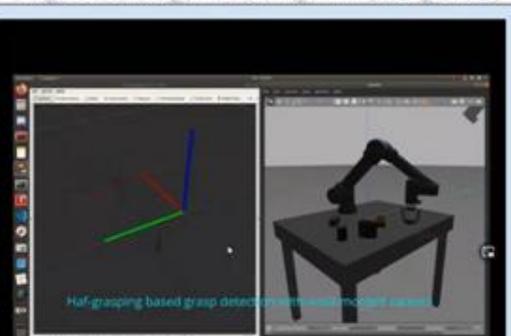
1BY19CS128 SHASHANK is presenting

REC G 1BY18CS055 Gaurav is presenting

1BY18CS033 ASIF ALI AHM... and 34 more

BMS INSTITUTE OF TECHNOLOGY AND MANAGEMENT

Department of Computer Science & Engineering



Half-grasping based grasp detection with deep learning based

10:11 AM

sandeep patil

- 1BY18CS174 SUSHMITH...
- 1BY18CS055 Gaurav
- 1BY18CS148 SHARANU

REC 1BY18CS148_SHARANU is presenting 1BY18CS044 and 32 more 11:24 AM

BMS INSTITUTE OF TECHNOLOGY AND MANAGEMENT

Result (Execution screenshots)

Soil Fertility

Participants: 1BY18CS193 Bhunika Di..., 1BY18CS100 Niyana, 1BY18CS148_SHARANU

REC 1BY18CS170_SRIRAM.M is presenting 1BY18CS030 ARYAN AN... and 20 more 12:08 PM

BMS INSTITUTE OF TECHNOLOGY AND MANAGEMENT

Demo of the Execution:

Participants: 1BY18CS170_SRIRAM.M, 1BY18CS179 Tejashwini N, 1BY18CS148_SHARANU

REC 1BY18CS160_SHRIVATHSA P is presenting 1BY18CS159 SHREYAS N... and 22 more 11:53 AM

Participants: 1BY18CS170_SRIRAM.M, 1BY18CS160_SHRIVATH..., 1BY18CS148_SHARANU

CSE - YouTube Open Day Links

<https://youtu.be/dktluK4YTCU>

https://youtu.be/sMsYbfcsM_k

<https://youtu.be/nDF79K-E7ek>

Electronics & Communication Engineering

The students of III and V semester students exhibited their PBL projects which proves the student's ability to apply their learning skills to solve the real world problems. More than 100 projects were demonstrated.

The projects were mainly based on Robotics, IOT, Applications using Arduino, Web development applications using Java and Python, Image processing etc..

These projects were evaluated in two levels. First level by the internal committee consisting of Faculty members of ECE department and second level by external committee on various rubrics.

JUDGES

1. Mr. Pavan Kumar N D, Lead QA, Amadeus Software Labs India Pvt. Ltd., Marathahalli, Bengaluru
2. Mr. Shiva Prasad, CEO and Application Engineer, Syntronix, Maruthi Sevanagar, Bengaluru

PRIZE WINNERS

GROUP ID	SECTION	NAME	TITLE OF THE PROJECT	NAME OF THE GUIDE	Prize
SG34	3C	V P SAHANA	VEHICLE ACCIDENT PREVENTION AND ALERT SYSTEM	DR.SUREKHA R G	1
	3C	VEENA G			
	3C	SRINIDHI GUDI			
	3C	SUSHANT GUPTA			
SG7	3A	ARCOT SOMESHWARA TUSHAR	DEVELOPMENT OF AN APPLICATION FOR ORDERING FOOD ONLINE FROM OUR CANTEENS	DR SUREKHA R G	1
	3A	HEMANTH S MANJUNATH			
	3C	SAGAR G S			
	3A	DEEKSHITH SWAMY S M G			
SG45	3A	ADITYAN A	PREDATOR DRONE	PROF. SURYAKANTH B	1
	3A	AKIN ANTO			
	3A	ABHISHEK T SUNEETH KUMAR			
	3A	ABHISHEK S			
SG1	3B	JASWANTH S	KRISHI MITRA MINI	DR AMBIKA R	2
	3C	SUHAS AR			
	3A	B S S RISHITH			

	3A	GAGAN M			
SG21	3C	RISHABH AGRAWAL	EXPLORATORY DATA ANALYSIS	DR.DEEPA REDDY	2
	3A	AYUSH RANJAN			
	3C	SHREEMITHRA			
	3B	KIRAN			
SG26	3A	BHUVANESHWAR REDDY JC	SMART HOME	PROF. ROBIN SINGLA	2
	3A	HARISH R			
	3B	KARTHIK BHAT M			
	3C	VINAYAKA N SHENOY			
TG21	5C	ROHIT SAHU	PLANT DISEASE DETECTION USING MATLAB	PROF.SHILPA H	1
	5C	ROHIT VIJAPUR			
	5C	SHRIDHAR A H			
	5C	SACHIN R SHETTIGAR			
TG35	5A	AMOGHA P R	SWITCHING LINEAR PSU WITH READOUT	DR. SHANTI CHANDRA	1
	5A	ADARSHA A S			
	5B	PRATHIK P			
TG12	5C	SUJEET KUMAR	XBOX CONTROLLED GRIPPER BOT	PROF.JAGANNATH	1
	5C	SANKET KUNDU			
	5A	AYUSH JAIN			
TG7	5C	YECHAM SAI CHIRU JASWANTH	TRANSPORT LOGGING AND BOARDING MANAGEMENT SYSTEM	DR. SUREKHA R GONDKAR	2
	5C	VURIMI BHANU PRANAY			
	5C	SODUM MANOJ KUMAR REDDY			
	5A	G.PRAVEEN KUMAR REDDY			
TG42	5B	RAKSHA K KUMAR	GARBAGE MONITORING SYSTEM	PROF. LAXMISAGAR H S	2
	5B	JASON JEROME FERNANDES			
	5B	LAVANYA A D			
	5A	DEEKSHA SETHI			
TG49	5C	ASTRA NATASHA	CONTACTLESS ATTENDANCE SYSTEM USING FACE RECOGNITION	VINUTHA B	2
	5C	AKSHAYA N A			

Glimpses of ECE - PBL Presentations



BMS Institute of Technology and Management

Avalahalli, Doddaballapura Main road, Bangalore - 560064

(Approved by AICTE, Affiliated to VTU)

Accredited by NBA and Certified with 'A' grade by NAAC



Department of Electronics and Communication Engineering

Welcome you all for an

"OPEN DAY"

ON

PROJECT BASED LEARNING (PBL)

DATE: 4th & 7th Dec 2020

VISION OF THE DEPARTMENT

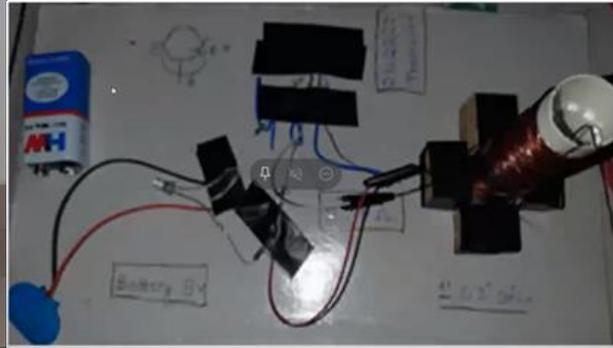
Be a pioneer in providing quality education in Electronics, Communication and allied engineering fields to serve as valuable resource for industry and society

MISSION OF THE DEPARTMENT

1. Impart sound theoretical concepts & practical skills through innovative pedagogy
2. Promote interdisciplinary research.
3. Inculcate professional ethics.







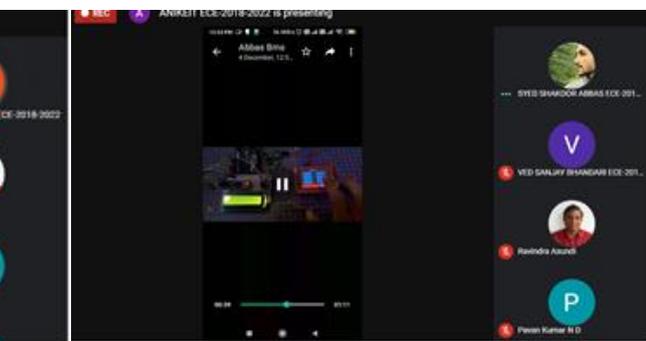
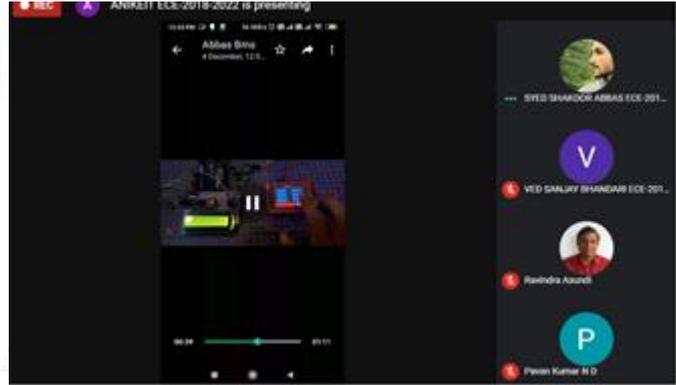
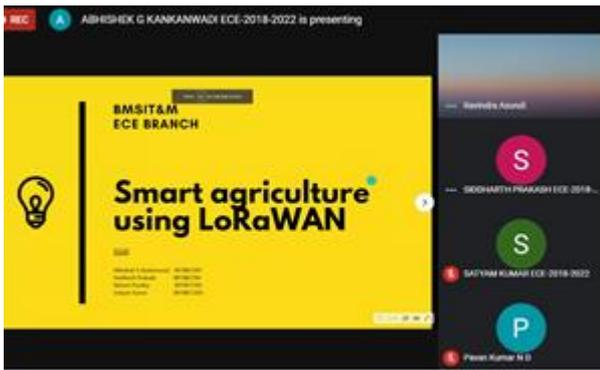
Identification of components(Hardware/ Software)

- Arduino Uno
- HC-05 Bluetooth module
- Spark Fun Dual H-Bridge motor driver L298
- Phoenix Maker Components, Micro-DC motors
- Grippy Wheels
- Jumper wires
- Li-ion battery

9

784

0.97



[ECE - YouTube Open Day Links](#)

Promo Video:

https://youtu.be/R_f1dQbZBJE

Demonstration Video:

https://www.youtube.com/playlist?list=PLOAfLI7cp0J4x5SDS-sKbaU_nzAEzZfX

Information Science & Engineering

The Open Day (Project Exhibition) was conducted at the Department of ISE from 4th - 7th December 2020. About 336 students from III and V Semester participated on Open Day and came out with innovative projects which were based on Machine learning & Artificial Intelligence, Android, Web based applications, networking and IoT based projects. Total 84 projects were evaluated by an Internal Committee at the Department on 4th December 2020. Out of 84 projects, 15 projects from 3rd semester and 15 projects from 5th semester total 30 projects were selected for external evaluation.

External evaluation was held on 7th by industry experts Mr. Sharath Kumar, Assistant Manager, Genpact, and Mr. Praveen A L, Founder & Developer (proprietor), Digipix Technologies. The evaluation was done based on parameters like societal relevance, innovativeness, completeness, team work, and potential for patent/product/publication. Two best projects were selected from each section and were awarded cash prizes. Students expressed PBL projects helped them to get better exposure to the latest technology as per the industry needs and gave very good feedback. The judges and HoD congratulated all the participants for bringing out wonderful projects.

JUDGES

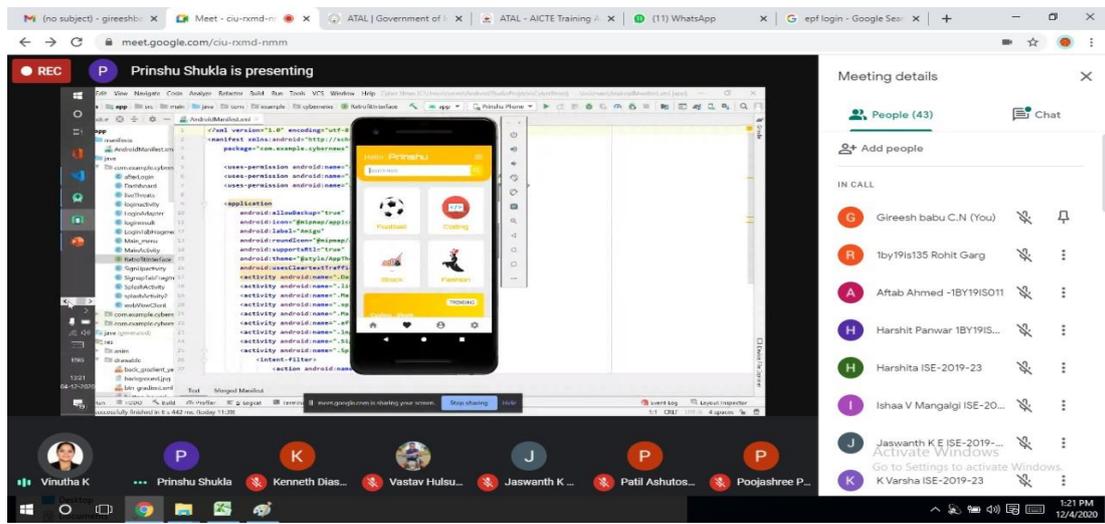
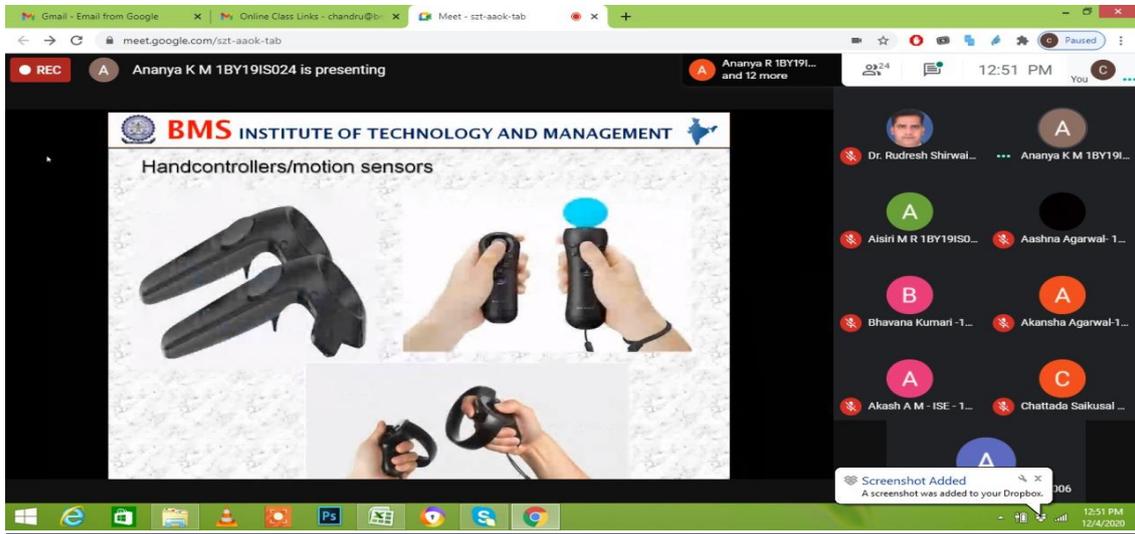
1. Mr. Sharath kumar B from Genpact
2. Mr. Praveen A L from Digipix Technologies
3. Dr. Sheela Kathavate, Associate Professor, dept of ISE
4. Prof Mahalakshmi S, Assistant professor, dept of ISE
5. Prof Shanthi D L, Assistant professor, dept of ISE
6. Prof Chandrashekar K.T, Assistant professor, dept of ISE
7. Prof Girish babu,, Assistant professor, dept of ISE
8. Prof Swetha M S., Assistant professor, dept of ISE
9. Prof Vinutha K, Assistant professor, dept of ISE
10. Dr. Veena N, Assistant professor, dept of ISE
11. Dr. Rudresh,, Assistant professor, dept of ISE
12. Mrs Amudha T, Programmer, dept of ISE

PRIZE WINNERS

Sem / Section	USN	Name	Project Title	Prize
3A	1BY19IS031	Ashutosh raj	Securing ATMs Transactions using Facial recogization	1
	1BY19IS031	Atul Tomar		
	1BY19IS033	Ayush Prakash		
	1BY19IS044	Chetan Singh		
	1BY19IS046	Chirag Mokashi	Hobbies Matching System	2
	1BY19IS022	Amit Bhushan		
	1BY19IS011	Aftab Ahmed		
	1BY19IS066	Harshit Panwar		
3B	1BY19IS110	Nidhi	EV Navigation system	1
	1BY19IS070	Ishik Agrawal		
	1BY19IS112	Niharika		
	1BY19IS117	Poojashree		
	IBY19IS115	Preethika P	Image Captioning with ML	2
	IBY19IS086	Lekha R		
	COB	Harshitha		
	IBY19IS076	K.Varsha		
3C	1BY19IS154	Shrusty raj M	Classifying waste using machine learning	1
	1BY19IS153	Shreya Basavaraj		
	1BY19IS147	Shashvathi G		
	1BY19IS190	Roshini Sanikop		
	1BY19IS191	Sashwat Thapa	Face Recognition for attendance	2
	1BY19IS189	Ram Pravesh Yadav		
	1BY19IS193	Shrishant Paudel		
5A	1BY18IS017	Akhilesh B Kalnoor	Mobile Application for Reporting Cyberbullying using react	1
	1BY18IS071	Neha Hegde		
	1BY18IS091	RU Rakshith		
	1BY18IS092	Rachana Natraj		
	1BY18IS025	Anisha Diya	Heart Disease Prediction using ML Technisques	2
	1BY18IS064	Malavika Anand		
	1BY18IS018	Alekhya Allada		
	1BY18IS053	Jhanvi S		
5B	1BY16IS066	Kshitija Chandra	Political Networking Service	1
	1BY18IS094	Raghavendra P		
	1BY18IS108	Shamanth Shetty		
	1BY18IS145	Ayesha Rahmath		
	1BY18IS112	Shohebahmed	Ambulance Detection and traffic light control	2
	1BY18IS087	Pranav R D		

	1BY18IS120	Sumukha S	
	1BY18IS076	Nithin Urala M R	

Glimpses of ISE - PBL Presentations



The screenshot displays a Zoom meeting interface. At the top, a banner reads "Maddukuri Satwika ISE-2019-23 is presenting". The main content is a Jupyter Notebook window titled "Untitled" showing two residual plots. The first plot is titled "Different b/w Actual and Predicted (Training Data)" and the second is "Different b/w Actual and Predicted (Test Data)". Both plots show a dense distribution of residuals around zero, indicating a good fit. The y-axis for both plots is labeled "Residual" and ranges from -1500 to 1000. The bottom of the screen shows the Zoom meeting controls with several participants listed: Vinutha K, Nidhi Balach..., Maddukuri S..., Neeraja Raj..., Niharika D IS..., Poojashree P..., and Rajeshwari ...

[ISE - YouTube Open Day Links](#)

Promo Video:

https://www.youtube.com/watch?v=fbME_ve21q8

Demonstration Video:

https://www.youtube.com/playlist?list=PLhpg7_v_PAydgJRrfcFf7hApktoeSTyZ

Civil Engineering

On 4th December 2020, Online Open Day was organized at the Department of Civil Engineering, wherein the PBLs accomplished during Sept-Dec 2020 were exhibited online viz Google Meet Platform. Students of 2nd year and pre-final year had participated in this Competition, wherein 28 projects were showcased; encompassing 12 from 3rd sem and 16 from 5th sem. The internal juries were Dr Deepak MS & Dr Anup Ekbote (Asst. Professors & Research Committee members, Dept. of Civil Engg.). Totally 15 projects were shortlisted based on Rubrics of Evaluation (provided at Centralized/Institutional level). The evaluation started at 10:15 am and continued until 6 pm IST.

3rd Semester Google Meet Link: <https://meet.google.com/qaz-vtcp-qzv?hs=122&authuser=0>

5th Semester Google Meet Link: <https://meet.google.com/cgx-hrrx-qdr?hs=122&authuser=0>

The Google Meet interaction was uploaded to the Department's official YouTube Channel.

3rd sem Evaluation: https://youtu.be/0JqwXD_2A-8

5th sem Evaluation: <https://youtu.be/kvt9x3ne2qw>

On 7th December, the shortlisted 15 projects were further subjected to scrutiny by External Reviewer, Shri Er Narayan Gowda, Vice-president, Legacy Groups. The assessment was coordinated by Dr Deepak and Dr Anup. The online evaluation was conducted through Google meet at the following link.

<https://meet.google.com/pyv-mjoz-rqs?authuser=0>

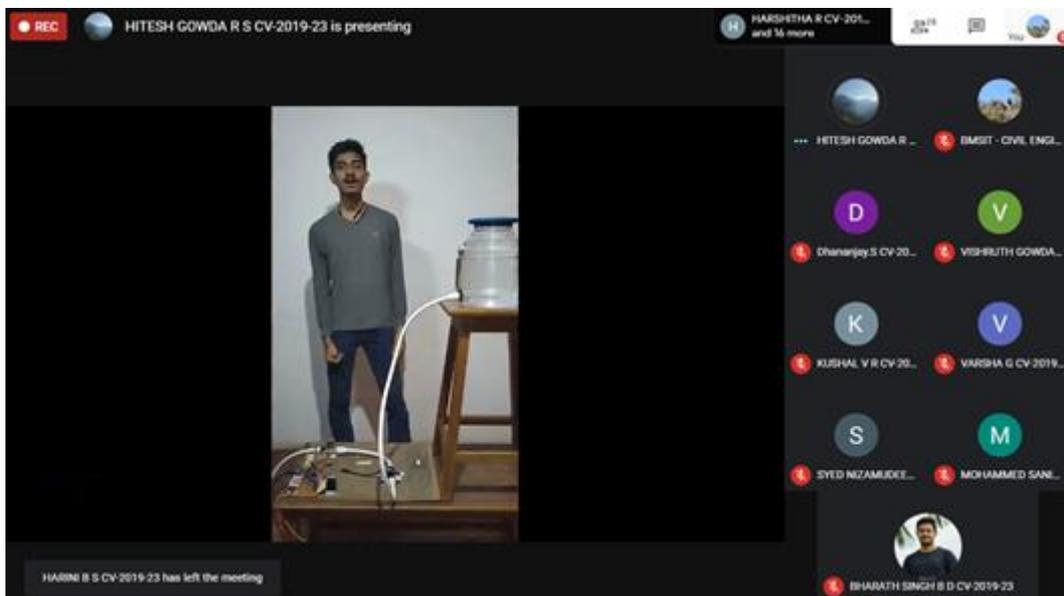
The Google Meet wrt External Evaluation has been uploaded to Departments Official YouTube Channel with the following link:

<https://youtu.be/gyCc9VyM93Q>

PRIZE WINNERS

Sem	Name	PBL Title	Prize
3	Darshini D.	Automated Water Quantity Survey and Evaluation	1
	Kushaal V R		
	Vishruth Gowda M.		
	Shiva Prasad K R.		
	Adarsh. L	Water flow sensor for regulating water supply in urban town planning	2
	Hitesh Gowda. R. S		
	Sridhar. H. R		
Varsha. G			
5	Vismaya S	Automated Waste Segregation using Arduino	1
	Yashaswini Prasad		
	Pranav Jaikant		
	Shantanu Chutoori		
	Rithika Raj	App development to alert consumers of water levels in OHT and activate pump with manual intervention	2
	Nitish Sharma		
	Alekhya B		
	Joash Mahesh Koshy		

Glimpses of CIVIL - PBL Presentations



Meet - Open Day External 1 Meet - yashaswini-prasad

meet.google.com/yvv-ejzj-rgj?authuser=2&pli=1

REC YASHASWINI PRASAD CV-2018-22 is presenting DIVYASHREE H M CV-201... and 33 more 1:57 PM

SHANTANU

YASHASWINI PRASAD CV-2018-22

SHANTANU

K

N

H

Y

Class List

Enter any notes specific to this class.

- 1 Email - Civil Engineering Learning Channel
- 1 Gurudheep G Cv-2018-22
- 1 Hrushikesh Babu M Cv-2018-22

Google Meet Attendance - 17.3.7

Class List (2020-12)_csw Class List (2020-1)_neel 7th sem Theory IDP Screenshots.docx Show all

Search

11:57 07-12-2020

The screenshot shows a Google Meet interface. The main content is a presentation slide from Anna University, titled 'AUTOMATED WASTE SEGREGATION USING Arduino'. The slide includes a project abstract, a photograph of the hardware setup, and a diagram of the waste sorting process. In the top right corner, there is a 'Data List' sidebar with a list of participants and their attendance status. The bottom of the screen shows the Windows taskbar with several open applications and the system clock.

Mechanical Engineering

The Open Day (Project Exhibition) was conducted at the Department of Mechanical Engineering from 4th - 7th December 2020. About 137 students from III and V Semester participated on Open Day. The students brought in innovative PBL projects which were based on Dynamics of machinery, Design of machine elements, Mechanics of Materials and Material Science. Total 27 projects were evaluated by an Internal Committee at the Department on 4 th December 2020. Out of 27 projects, 5 projects from 3rd semester and 10 projects from 5th semester were selected and these shortlisted projects (30) were evaluated by external judge. External evaluation was held on 7th by industry expert Mr. Suresh Navandar, Technical Director, Navandes LLP. The evaluation was done based on parameters like societal relevance, innovativeness, completeness, team work, and potential for patent/product/publication. Two best projects were selected from each 3rd & 5th semester students and were awarded cash prizes. The judges and HoD congratulated all the participants for bringing out wonderful projects.

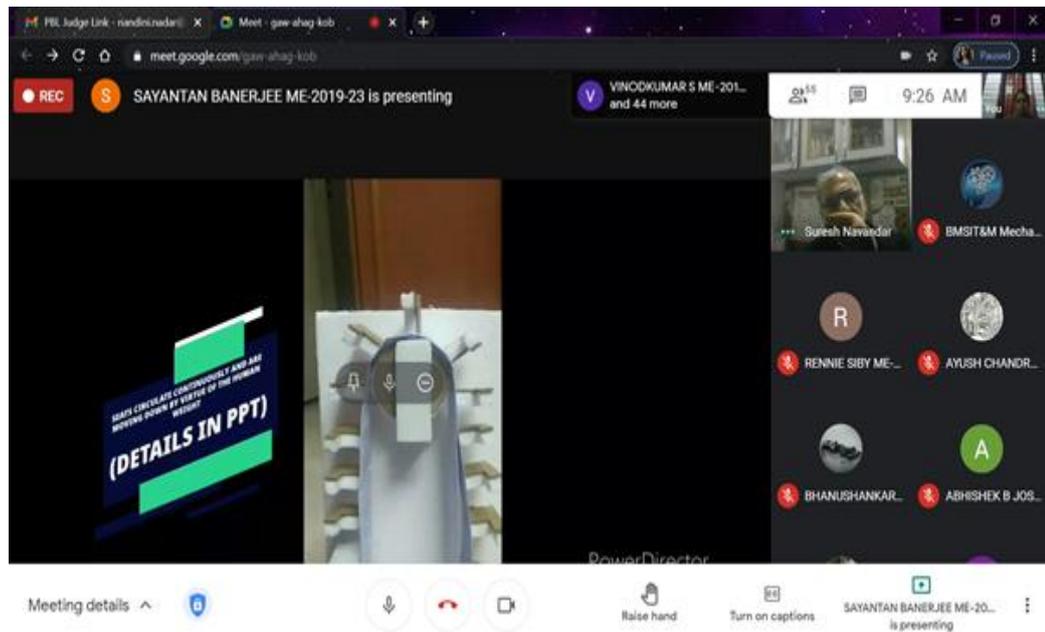
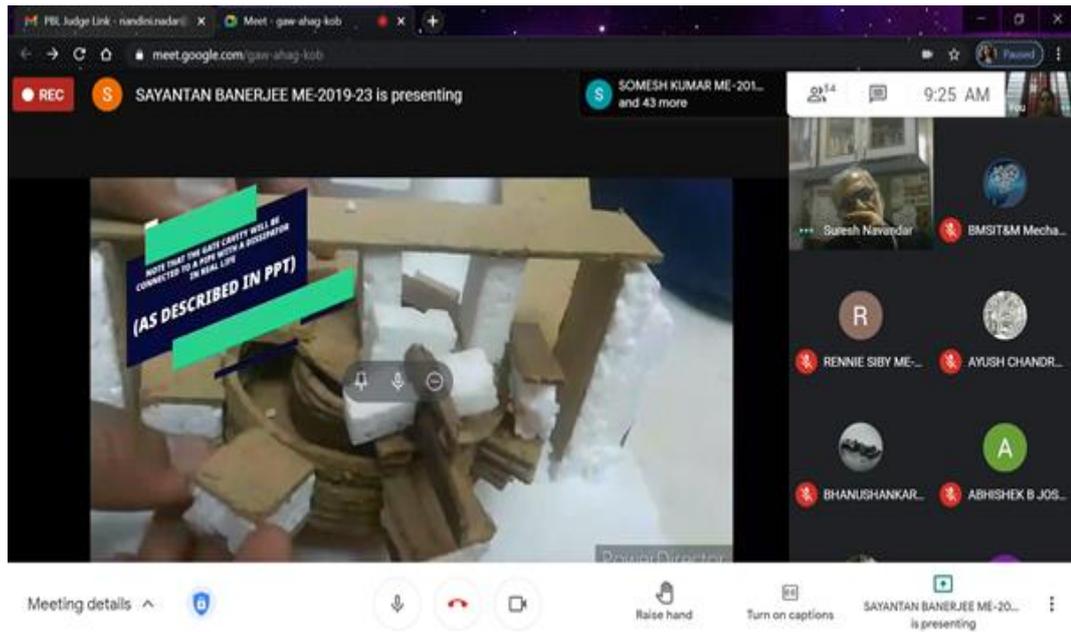
The judges expressed that many of the projects could be scaled up to product and patent level. They also felt that focus could be leading students from being employable to becoming entrepreneurs

PRIZE WINNERS

3 rd Semester			
Prize	Project Title	Students	Guide
I	Modified elevator technology for use in various emergency situations	1. Sayantan Banerjee 2. Abhishek B Joshi 3. Bhanu Shankar T J 4. Ayush Chandra 5. Rennie Siby	Prof. Sundaresh S
II	Ladder Locking System	1. Naman Shivanada Edrami 2. Rajath Patel 3. Ashith Kumar Badagi 4. Pittala Partha Sarathi 5. Samarth Nadig	Prof. Praveen Kumar T N
5th Semester			
Prize	Project Title	Students	Guide
I	Design & Fabrication of an ROV for underwater exploration	1. Saurabh Pravin Srivastav 2. Srivam Kumar 3. Shivam Sundriyal 4. Shravan Saluja 5. Siddharth A	Prof. Keerthi Kumar N

II	<p>Drag reduction system (DRS) in an F1 car</p>	<ol style="list-style-type: none"> 1. A Sai Sumanth 2. Ajay Sunil 3. Alap Mundayoor 4. Ankit Namniar 5. Ashitesh Nadella 	<p>Prof. K. Chandra Sekhara Reddy</p>
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Glimpses of MECH - PBL Presentations



meet.google.com/gaw-ahag-kob

REC SHIVAM SUNDRIYAL ME-2018-22 is presenting ANKITH GANGADHARAN NAMBIAR ME-201... and 24 more 11:19 AM

BMS INSTITUTE OF TECHNOLOGY AND MANAGEMENT

Front View Isometric View

Top View Side View

Meeting details ^

SHIVAM SUNDRIYAL ME-2018-22 is presenting

meet.google.com/gaw-ahag-kob

REC SHIVAM SUNDRIYAL ME-2018-22 is presenting CHARISHMA INDUDHARA ME-201... and 24 more 11:20 AM

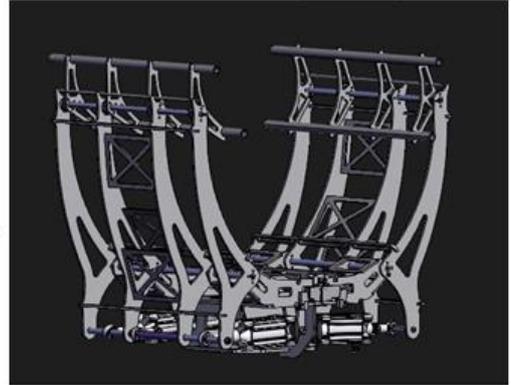
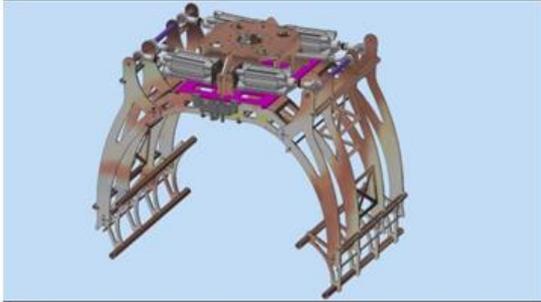
BMS INSTITUTE OF TECHNOLOGY AND MANAGEMENT

Rendered Model

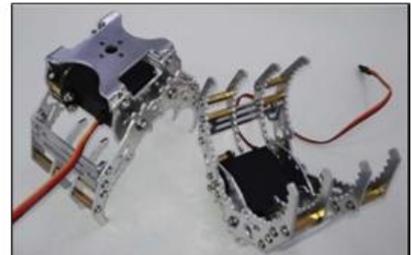
Meeting details ^

SHIVAM SUNDRIYAL ME-2018-22 is presenting

➤ Mechanical claw: It's the main mechanism used to lock the ladder itself to the tree.



13



22



23

meet.google.com/gaw-ahag-kob

REC V VIVEKANANDA VIJAYKUMAR EXAMBI ME-2019-23 is presenting A SAI SUMANTH ME-201... and 47 more 9:50 AM You

ADVANTAGES:

- Easy to use.
- It requires less labors.
- User friendly as no special skills are required to operate the machine.
- Cost efficient
- Mobile phones can simultaneously be charged, power banks not required.
- Helps in decreasing the use of non-renewable sources of energy.
- It is eco-friendly, doesn't pollute.
- It results in low cost, easy transportation.



Seed Sower With Multiple

Meeting details Meeting is locked

Raise hand Turn on captions VIVEKANANDA VIJAYKUMAR ... is presenting

B BHAVANA D V M... Suresh Navandar

V VIVEKANANDA VI... S SOMESH KUMAR ...

C CHIRANTH P T M... B BHANU PRATAP ...

meet.google.com/gm-ahag-kob

ALAP MUNDAYOOR ME-2018-22 is presenting

PRAYAG VASUDEVAN ME-201... and 3 more

3:20 PM

Meeting details

Meeting controls: Mute, Video, Raise hand, Turn on captions, ALAP MUNDAYOOR ME-2018-22 is presenting

Toby Hallam - Lect...pdf

an-introduction-to...pdf

Show all

meet.google.com/gm-ahag-kob

ALAP MUNDAYOOR ME-2018-22 is presenting

SIDHARTH A ME-2018-22... and 2 more

3:22 PM

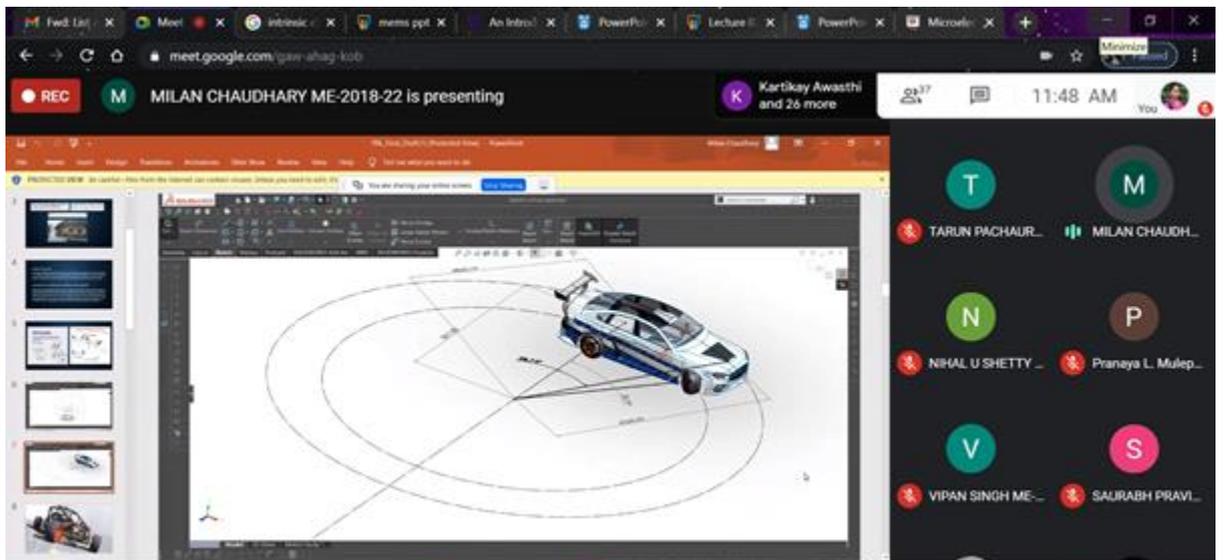
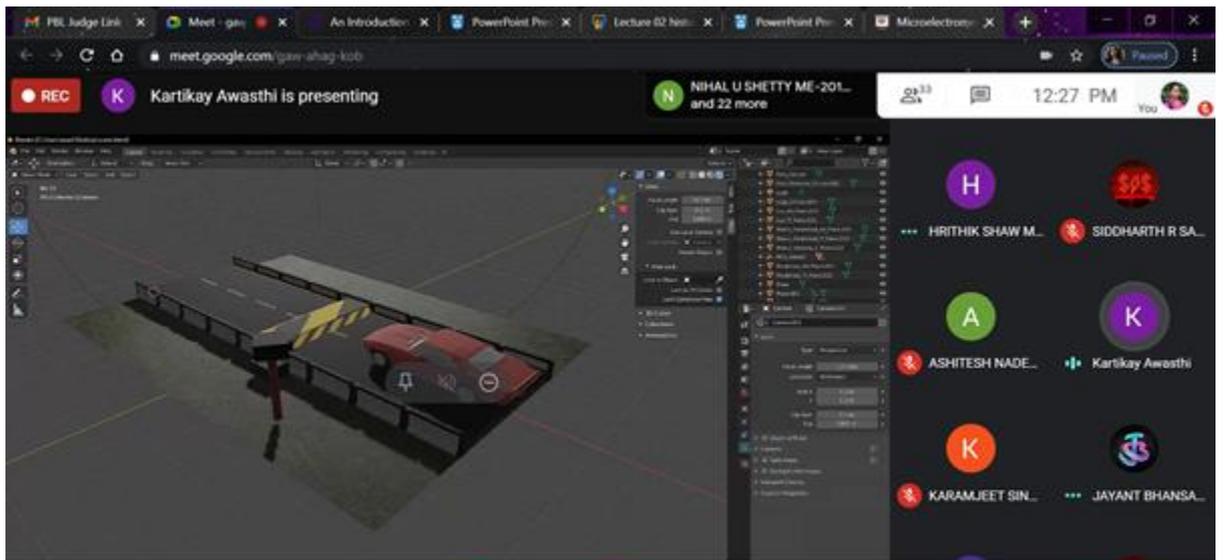
Meeting details

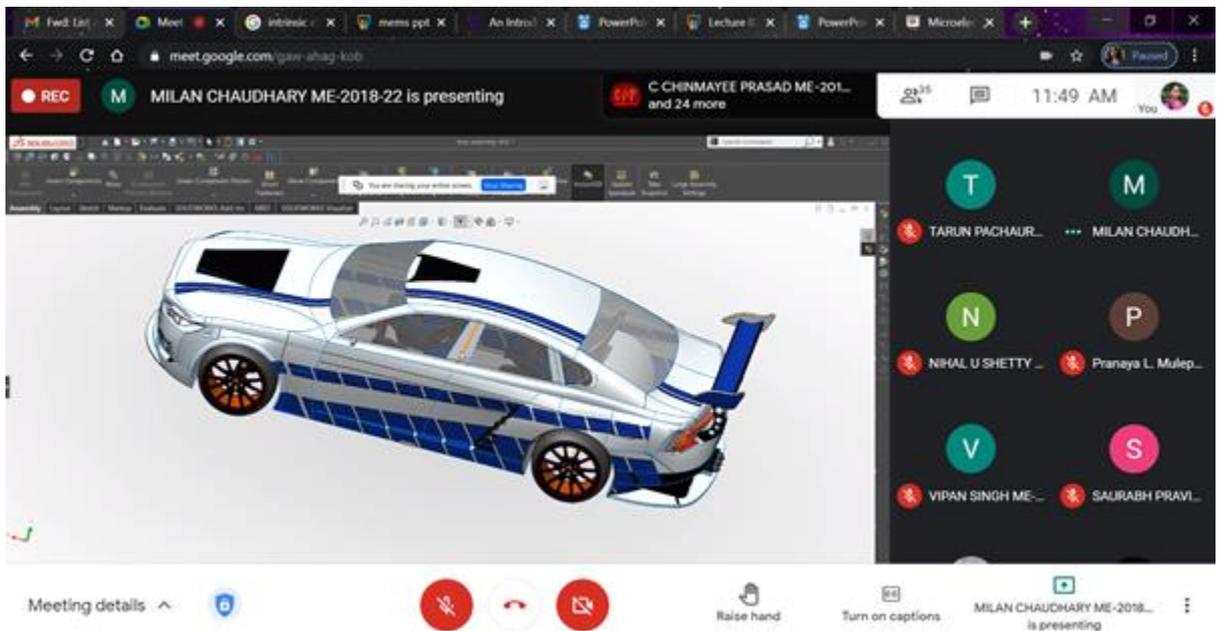
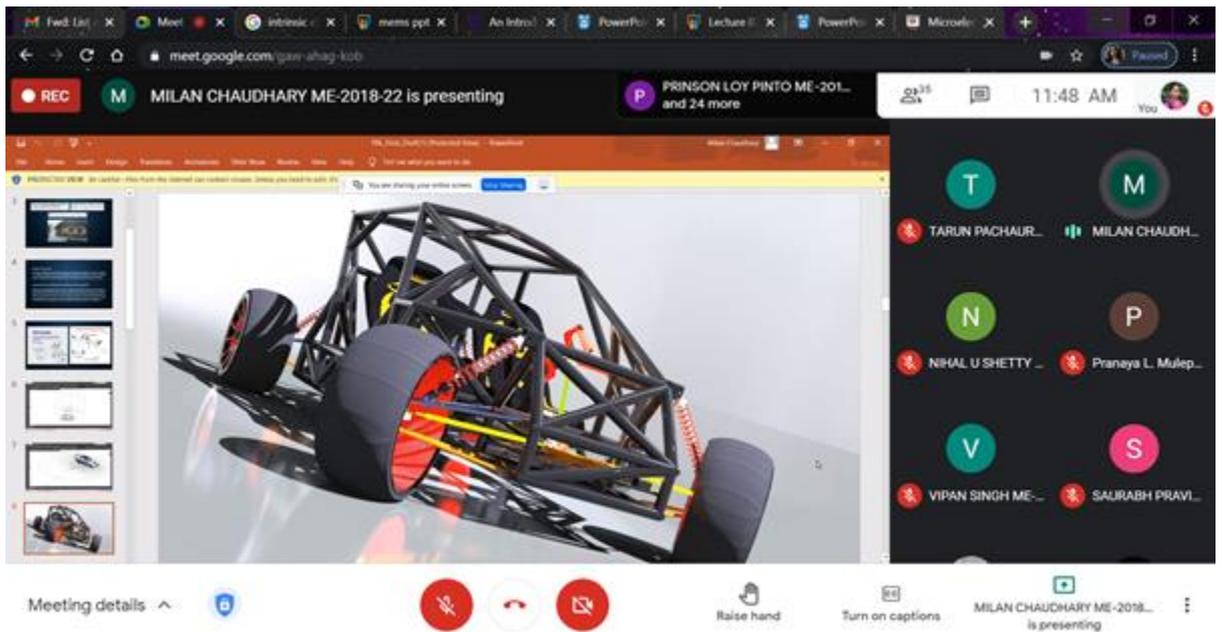
Meeting controls: Mute, Video, Raise hand, Turn on captions, ALAP MUNDAYOOR ME-2018-22 is presenting

Toby Hallam - Lect...pdf

an-introduction-to...pdf

Show all





[MECH - YouTube Open Day Links](#)

Promo Video:

<https://youtu.be/vbdVg8C3GNo>

Demonstration Video:

<https://youtu.be/ei4F690-d-M>

Electrical & Electronics Engineering

31 projects were demonstrated on the concept of smart campus.

Sl. No.	Semester	No. of Projects
1.	3 rd Sem, EEE	15
2.	5 th Sem, EEE	16
Total No. of Projects		31

JUDGES

1. Mr Aravind Nanjundiah, Product Manager, Dover Automation Ltd
2. Dr. Prashanth N.A, Assistant Professor, EEE, BMSIT&M

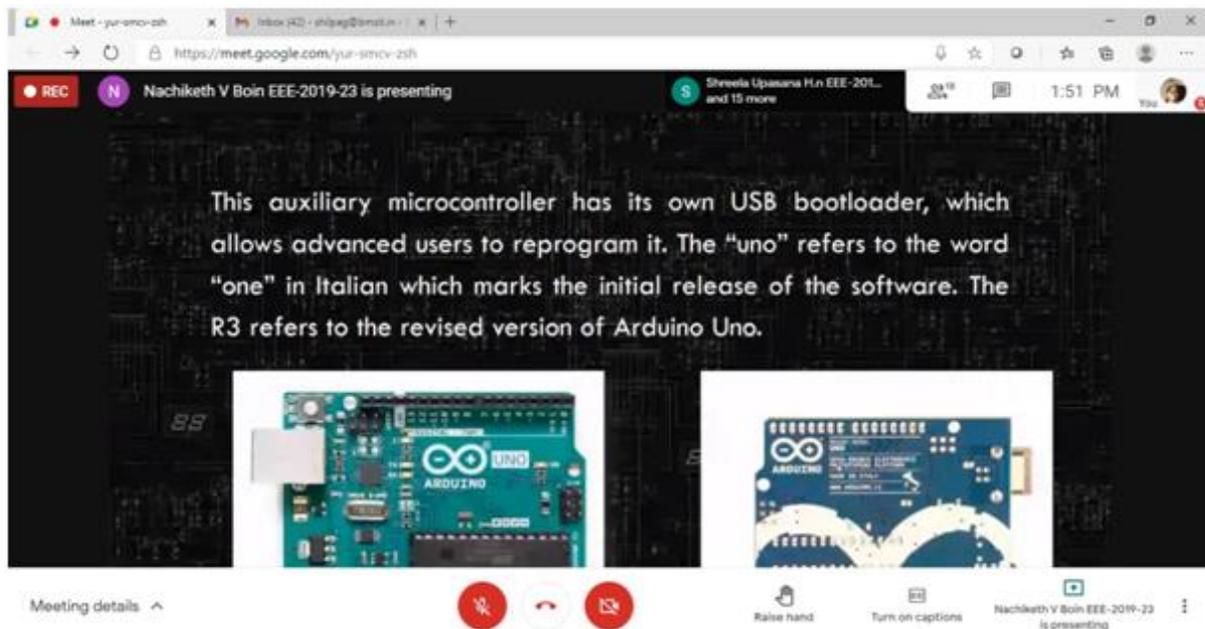
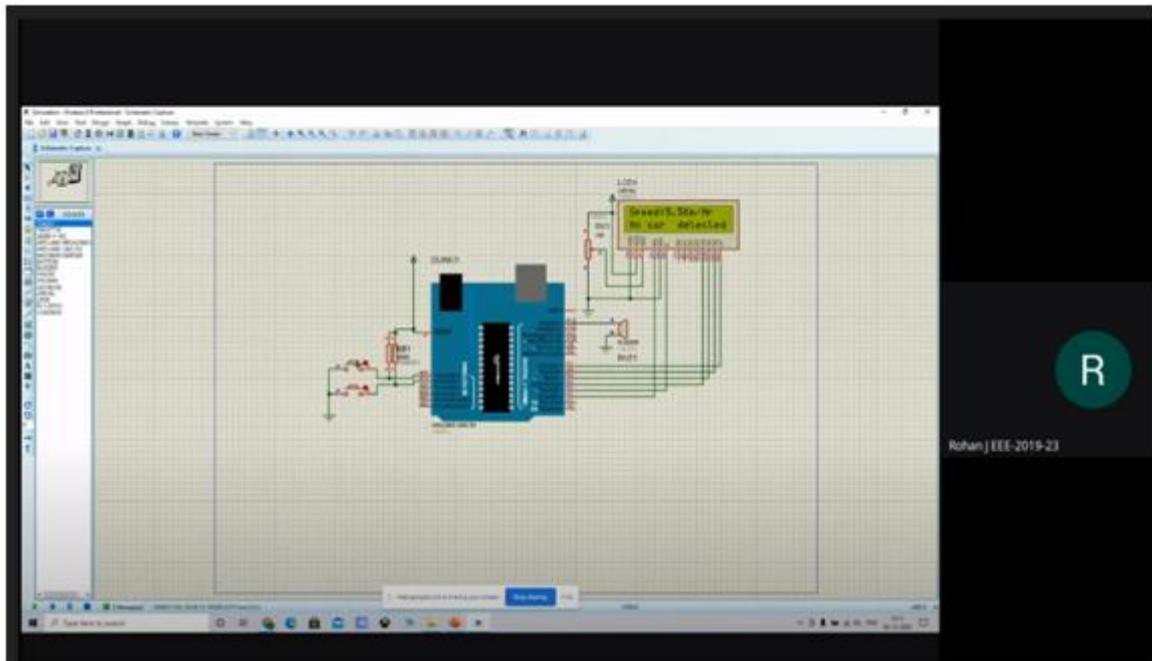
PRIZE WINNERS

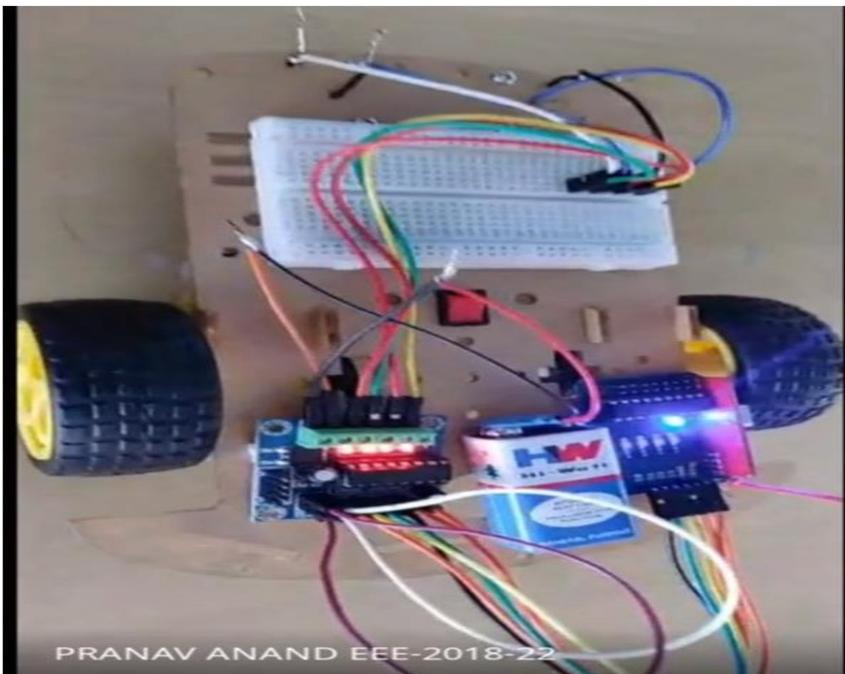
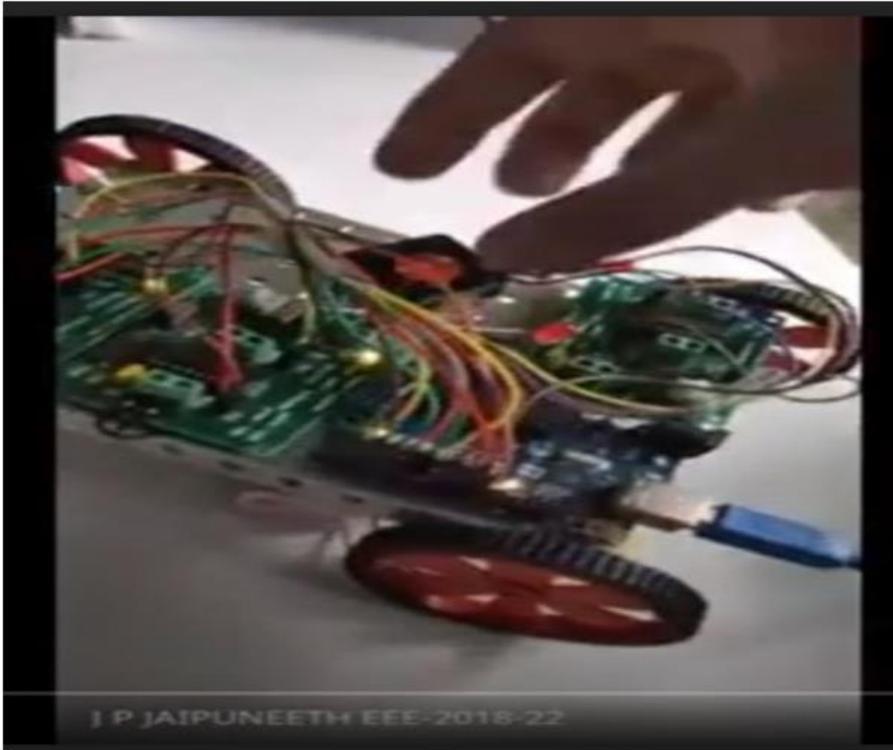
Semester	3rd			
Prize	USN	Name of the Students	Title of the Project	Guide
1	1BY19EE005	Anshul Mahesh	Detection of Over Speed Automatically	Babu Naik G
	1BY19EE050	Shashank S Tandur		
	1BY19EE023	Kiran K V		
	1BY19EE044	Rohan J		
2	1BY19EE042	Rahul Eshwaran	Automatic Room Light Controller with Bidirectional Visitor Counter	Babu Naik G
	1BY19EE029	Nachiketh V Boin		
	1BY19EE039	Pramod S L		
	1BY19EE001	Abdul Rahim		

Semester	5th			
Prize	USN	Name of the Students	Title of the Project	Guide
1	1BY18EE025	J P Jaipuneeth	Design and development of an air gesture interface for wheelchair motion and home access	Shilpa G
	1BY18EE403	Dinesh R		
	1BY19EE401	ANUP SHIVARAJ JAMBAGI		
	1BY19EE405	PRIYANKA P		

2	1BY18EE004	Aishwarya Sudheer	Wireless Gesture Controlled Robot	Suma Umesh
	1BY18EE013	Bhargavi Sujana K S		
	1BY18EE054	Sumanth Hande P		
	1BY18EE043	Pranav Anand		

Glimpses of EEE - PBL Presentations





EEE - YouTube Open Day Links

<https://youtu.be/rm0-EEAqUTl>

Electronics & Telecommunication Engineering

The open Day was conducted on 4th Dec 2020 in the ETE Department. Total of 27 projects were exhibited on 4th Dec 2020 and later 15 projects were shortlisted out of 27. Those 15 projects were evaluated on 7th Dec 2020. The projects were mainly based on Waste management system, Agricultural solutions, IoT. The nine best projects were selected for the first and second and third prize from each Semester.

JUDGES

1. Mr Satish Kumar, Senior Software Engineer, ACI WorldWide
2. Prof. Mallikarjuna Gowda C P, Associate Professor, ETE, BMSIT

The External Judge was from the industry Sector, Mr Satish Kumar, Senior Software Engineer, ACI WorldWide. The other judge was Prof. Mallikarjuna Gowda C P, Associate Professor, ETE, BMSIT & M.

PRIZE WINNERS

Semester	Prize	USN	Name of the Student	Title of the Project	Guide
V	I	1BY18TE018	Hima V	Automated dry waste classification system using neural network .	Prof. Mallikarjuna Gowda
		1BY18TE039	Niharika Suresh		
		1BY18TE054	Sachin Yadav		
		1BY18TE001	Adithi S		
	II	1BY18TE053	S Harshatha	Smart learning system for deaf and dumb	Prof. Saritha I G
		1BY18TE015	Dhanya Y		
		1BY18TE020	KV Skandha		
		1BY18TE044	Prithvi kishan		

III	I	1BY19ET027	Keerthana R	Evanesco-An Ultrasonic Repeller Using UAV	Prof..Raghunandan G H	
		1BY19ET034	Ninaada M S			
	II	1BY19ET010	Anupam Srivastava	Automated Telecommunication Chatbot	Prof.Mallikarjuna Gowda	
		1BY19ET011	Anurag Ghosh			
		1BY19ET049	Shubham Chakraborty			
			1BY19ET022	Harsha Raj		
	II	1BY19ET024	Indrakshi K V	A Novel Algorithm To Detect Stress Using EEG Signals	Prof.Thejaswini S	
		1BY19ET025	Jayashree K M			
		1BY19ET053	Thanushree K			

Glimpses of ETE - PBL Presentations

The screenshot shows a video player displaying a presentation slide. The slide is titled "PROBLEM STATEMENT" and features two images of agricultural fields. The text on the slide reads:

- According to the research animals namely monkeys, elephant, boars, deer are the most common perpetrators of the destruction.
- It is estimated that around 30 to 40% of crops are destroyed annually due to attacks by wild animals in India.
- As a result, there is a dip in GDP of the country.

The video player interface includes a progress bar at 1:01:05 / 3:33:35, a speaker icon, and a "Show all" button in the bottom right corner. The browser tabs at the top include "OPEN DAY Schedule - raghu...", "PBL OPEN DAY FINAL MARK...", "2020-21 Odd Sem PBL Rep...", "ete learning - YouTube", "znt-nhty-bgu (2020-12-06)", and "znt-nhty-bgu (2020-12-06)". The Windows taskbar at the bottom shows the search bar and various application icons.

OPEN DAY Schedule - raghu... | PBL OPEN DAY FINAL MARK... | 2020-21 Odd Sem PBL Rep... | ete learning - YouTube | znt-nhty-bgu (2020-12-06) | znt-nhty-bgu (2020-12-06) | +

drive.google.com/file/d/1sDXpr3ea-J3MDUMZ7wMM800rcc-d-noKYU/view

znt-nhty-bgu (2020-12-06 at 20:07 GMT-8) Open with

Circuitry

Video player controls: 5:05 / 3:33:35

Aditya Suresh Patil ETE-2019-23

PBL review-5th se...doc | PBL Review_3rd Se...doc | Show all

Type here to search

OPEN DAY Schedule - raghu... | PBL OPEN DAY FINAL MARK... | 2020-21 Odd Sem PBL Rep... | ete learning - YouTube | znt-nhty-bgu (2020-12-06) | znt-nhty-bgu (2020-12-06) | +

drive.google.com/file/d/1sDXpr3ea-J3MDUMZ7wMM800rcc-d-noKYU/view

TRANSFER CHARACTERISTICS

MOSFET

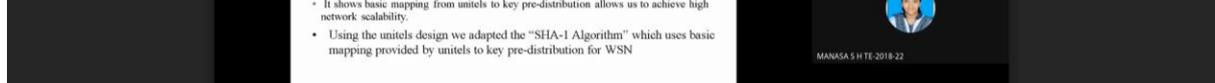
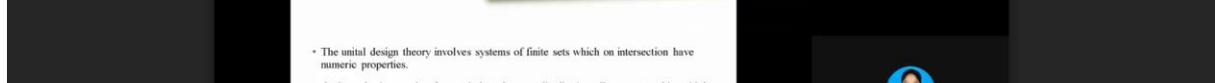
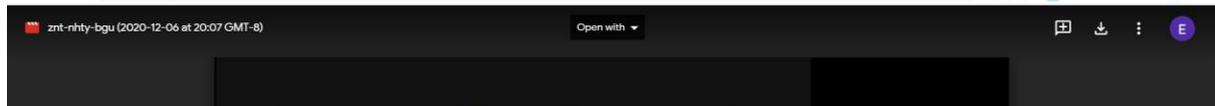
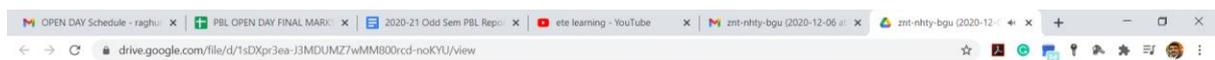
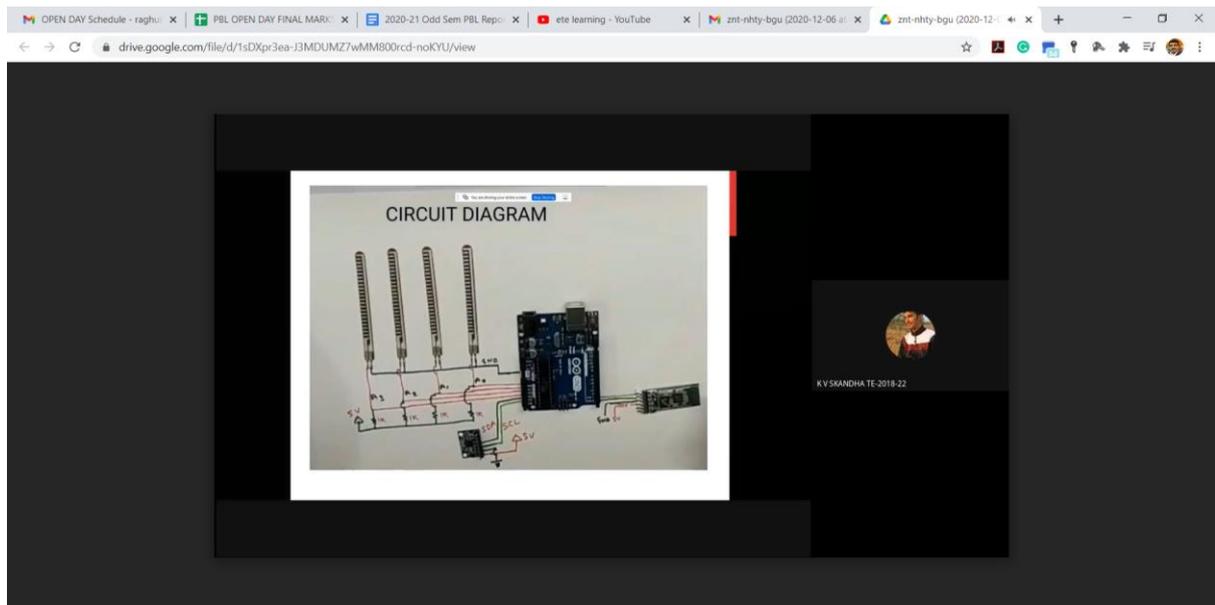
CMFET

Video player controls: 29:40 / 3:33:35

Nivedita S ETE-2019-23

PBL review-5th se...doc | PBL Review_3rd Se...doc | Show all

Type here to search



[ETE - YouTube Open Day Links](#)

Promo Video:

[youtube.com/watch?v=8geC7P5PWRA](https://www.youtube.com/watch?v=8geC7P5PWRA)

PBL Videos of 3rd and 5th sem:

<https://www.youtube.com/watch?v=TUEfXNqFgwk>

Department of Artificial Intelligence and Machine Learning

The open Day was conducted on 4th Dec 2020 in AI & ML Department. All 3rd semester students presented their innovative ideas. The projects were mainly focussing on Pandemic Solutions. Total of 19 projects were exhibited on 4th Dec 2020 and later 15 projects were shortlisted out of 19. Those 15 projects were evaluated on 7th Dec 2020.

JUDGES

1. Mr. Sathyaraj Anand, Integration Architect, Deloitte US India.
2. Dr Bharathi Malakreddy A, Professor and HoD, AI&ML, BMSIT&M.
3. Dr Anupama H S, Associate Professor, AI&ML, BMSIT&M.
4. Dr Santhi Natarajan, Associate Professor, AI&ML, BMSIT&M
5. Dr Vishwa Kiran S, Assistant Professor, AI&ML, BMSIT&M.

PRIZE WINNERS

Semester	Prize	USN	Name of the Student	Title of the Project
III	I	1BY19AI019	GANESH ARAVIND HARUDE	Urban Growth Prediction Model
		1BY19AI020	GOWTHAM S	
		1BY19AI021	HITANSHEE PAL	
	II	1BY19AI013	C S VINEETH	Travel safe with voice assisting alerts based on face mask detection
		1BY19AI014	D SRI LAKSHMI PRIYA	
		1BY19AI015	DARSHAN C B	
	II	1BY19AI052	SHREEYA G	Predictive analysis in probability of affected individuals through mass investigations
		1BY19AI053	SHREYAS SREENIVAS	
		1BY19AI054	SIDDHARTH ARORA	
	II	1BY19AI055	SUDHANVA SATISH	Traffic Light Detector for Self - Driving cars using Machine Learning
		1BY19AI056	SUHAS JAIN G M	
		1BY19AI057	TEJASVI SHREEVIJAY KALBURGI	

Glimpses of AI&ML - PBL Presentations

BMS INSTITUTE OF TECHNOLOGY AND MANAGEMENT

System Requirement :

Distance zone :

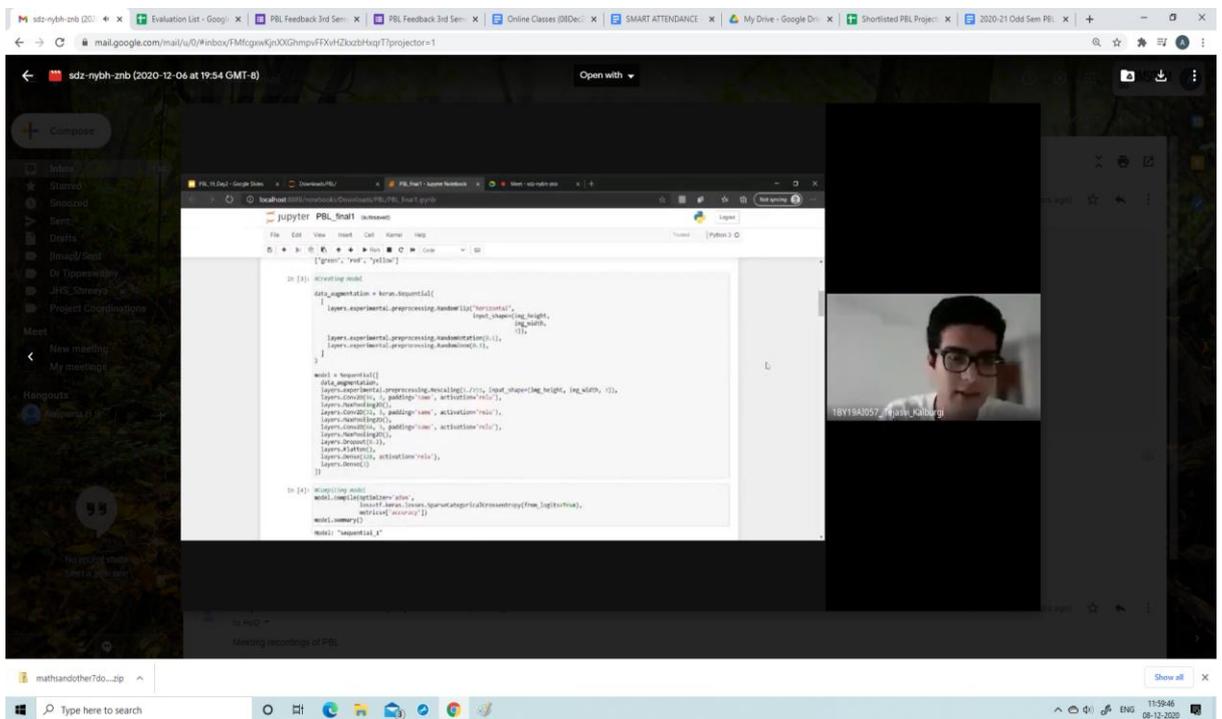
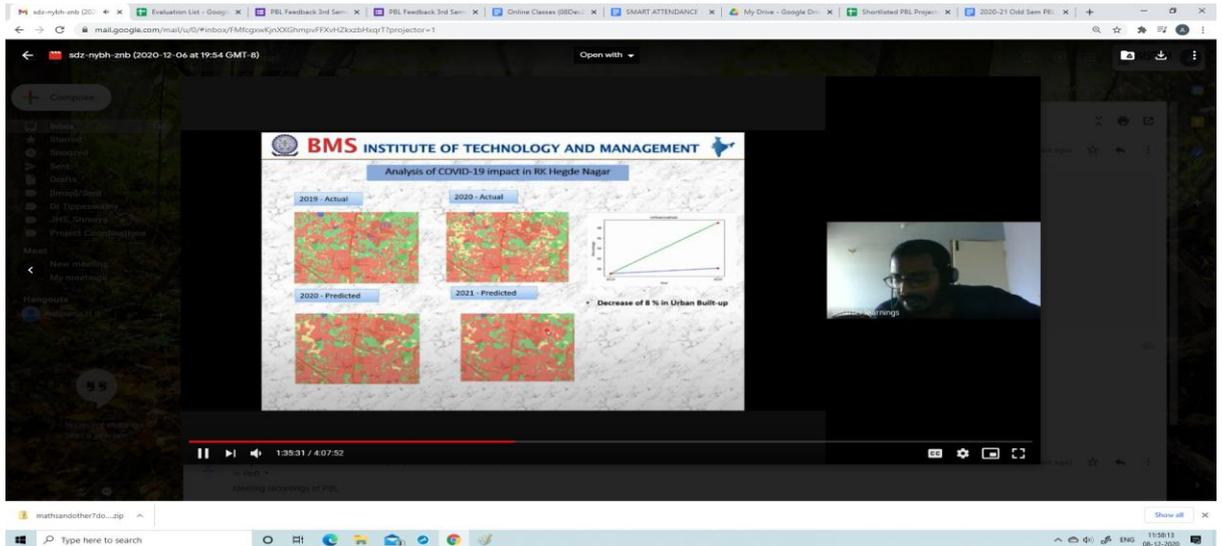
- Safe zone , more than 3m
- Pre alert zone, 3m
- Danger zone, less than 2m

The slide also features an image of a Raspberry Pi board and a USB cable. A small video window on the right shows a participant in the meeting.

You're presenting to everyone

You are presenting

The interface shows a grid of participant avatars, including one with a red 'A' icon. A search bar is visible at the bottom of the meeting window.



[AI&ML - YouTube Open Day Links](#)

Promo Video link:

<https://www.youtube.com/watch?v=Piu8lj0L3l8>

PBL Video Demonstration link:

https://youtu.be/TvuVQe_3p2o

Master of Computer Applications

The Open Day (Project Exhibition) was conducted at the Department of MCA on 7th December 2020. All the V Semester students came out with innovative projects which were IoT based developed using Raspberry-Pi, Pic-18 and Arduino boards under the guidance of Prof. Dwarakanath G V and Prof. M Sridevi. A total of 27 projects were evaluated by an Internal Committee (Dr. Aparna K, Dr. Sudarsanam P and Prof. Drakshaveni) at the Department on 4th and 5th December 2020. Out of 27 projects, 18 projects were short-listed for final evaluation by external jury on 7th December 2020.

The jury for the final evaluation comprised of Mr. Arun Rajpurohit, Founder Director, Dlithe Pvt. Ltd., and Dr. P Ganesh. The evaluation was done based on parameters like innovation, clarity in the objectives set and met, communication, innovation, team work, and societal/industrial/environmental relevance of the project. Three best projects were selected and were awarded cash prizes. The judges and HoD congratulated all the participants for bringing out wonderful projects.

JUDGES

1. Mr. Arun V Purohit, Founder Director of Dlithe Pvt. Ltd, Bengaluru
2. Dr. P Ganesh, Associate Professor and Placement Officer, BMSIT&M.

PRIZE WINNERS

Semester: 5			
Prize	USN	Name of the Students	Title of the Project
1	1BY19MCA62	Pooja K A	Solar Tracking Panel
	1BY19MCA69	Shraddha	
2	1BY18MCA15	N Surya Prakash	Smart Crop Protection and Fire Detection System
	1BY18MCA16	Nayana K	
3	1BY18MCA07	Ashwini C R	Smart Cradle System
	1BY18MCA29	Sinchana	

MCA - YouTube Open Day Links

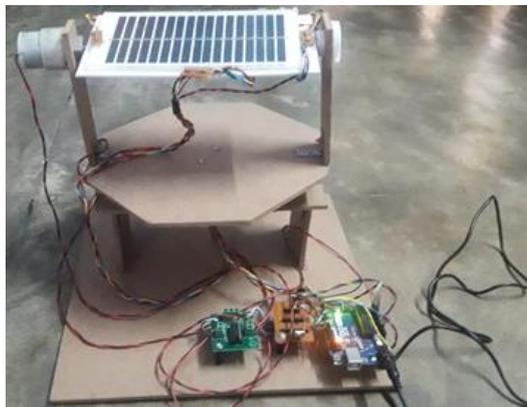
Promo Video link:

<https://youtu.be/aBkg4BNL5qA>

PBL Video Demonstration link:

<https://youtu.be/DyJbiX6n6ok>

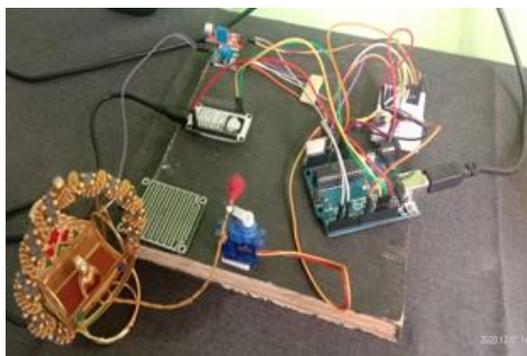
Glimpses of MCA - PBL Presentations



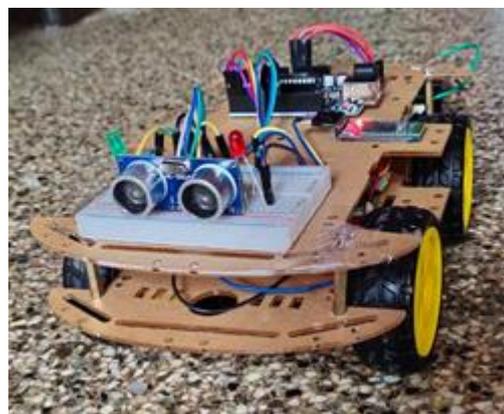
Solar Tracking Panel – I Prize



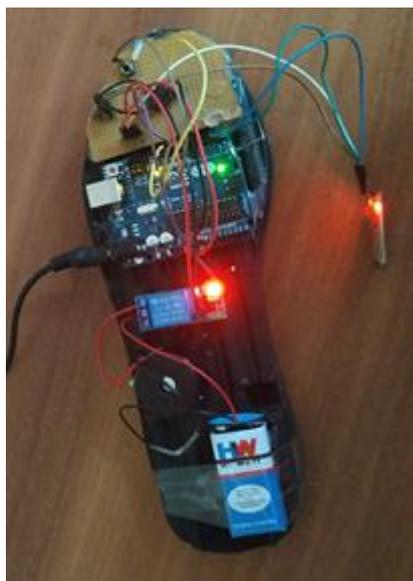
Smart Crop Protection and Fire Detection System - II Prize



Smart Cradle System - III Prize



Bluetooth Control Rover



Smart Footwear for Women



Agricultural Solutions using IoT

Thank
you!