



BHARATIYA VIDYA BHAVAN'S
SARDAR PATEL INSTITUTE OF TECHNOLOGY
MUNSHI NAGAR, ANDHERI (WEST), MUMBAI – 400 058.
(Autonomous College Affiliated to University of Mumbai)
Research and Development Committee

Project Exhibition 2019-20

Category II students

Date: 15th May 2020

Department Name: Electronics and Telecommunication Engineering

Departmental Report

Project Exhibition is an event under R&D committee, S.P.I.T conducted at department level. Every year some expert external to the institute is invited to judge the event. Unfortunately this year things were difficult because of COVID 19. Therefore, this year, R&D committee had decided to conduct project exhibition offline. The students were instructed to create a video recording of their project demonstration and upload it to the Google provide by R&D coordinator. Event was organized on inter departmental level for the B.E. EXTC Category II students in EXTC department. Students were also told to prepare an youtube video of the project and share the link.

From EXTC, 8 groups (23 students) participated for this event. Prof. Narendra Bhagat and Prof. G. T. Haldankar from ETRX dept. were the faculty judges this year. Evaluation of videos was done using assessment sheet given to the judge by R & D Committee. Best group was identified as winner of this event.

The table below gives the details of the groups and their video links

Gro up no	Name of student	Names of Guide	Title of Project	video links
C2.1	Mitesh Sarode	Dr. Y.S. Rao	Implementation of control algorithms for locomotion	https://youtu.be/kzvJdI5im7I
	Ahmed Shaikh			
	Tarun Joseph			
C2.2	Sudhanshu Lodha	Dr R R Sawant	Automatic Attendance System using face detection	https://youtu.be/11bEiy60cxk
	Aashay Phirke			
	Upasna Thakuria			
C2.3	Pranav Kamath	Prof. D. Ambawade	Intelligent Traffic Management System	https://youtu.be/0oAjVgyJQgc
	Nivea Sharma			
	Yash Kothari			
C2.4	Arnold Johnson Fonseca	Dr. Reena Sonkusare	Cloud Cover Avoidance in Satellite Systems	https://youtu.be/zIMi9fCgz44
	Soham Jagtap			
	Shreeram Narayanan			

C2.5	Parth Ambalkar	Dr. Sukanya Kulkarni	Face recognition based unlocking system and monitoring for security	https://youtu.be/Y-n85y06HFE
	Pranay Atram			
	Arpit Jain			
C2.6	Sumedh Naik	Dr. Sujata Kulkarni	Real time Vein Mapping and Needle Infusion	https://youtu.be/dScLzH-eIC0
	Rashmi Phadnis			
	Meghna Prabhu			
C2.7	Anchal Jhunjhunwala	Prof. Milind Paraye	Solar Powered BLDC Motor	https://www.youtube.com/watch?v=lgGAOaN9Cy8&feature=youtu.be
	Sadjyot Gangolli			
	Siddhi Korad			
C2.8	Paresh Valiya	Prof. Milind Paraye	GUI based Health Monitoring System Using Raspberry Pi	https://drive.google.com/file/d/1YlzoUweV2zrC_D6Clal29ET-gFoeNITw/view?usp=sharing
	Sejal Shinde			

Some of the screenshots of project demonstration videos are shown below:

youtube.com/watch?v=kzvJdl5im7I&feature=youtu.be

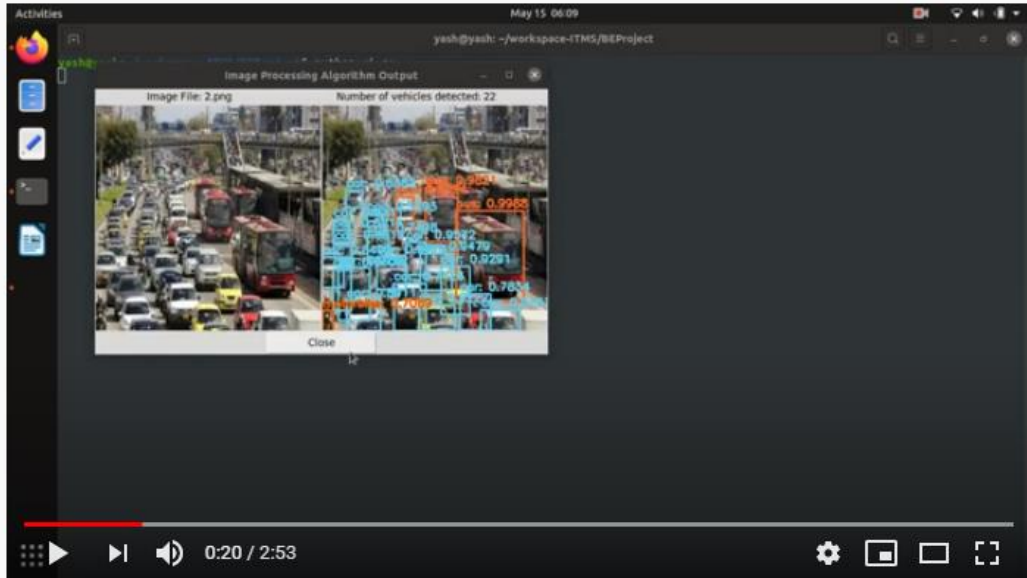
YouTube IN Search

Mechatronic Running Robot

1. Plot battery current (use code)
2. Set constraints: Planar, Planar-HOOP, SDOF (use code)
3. Explore into design space: Load stability
4. Explore simulation results using gaoptimset
5. Learn more about this example

Group-C2.1 BE Project Video
Unlisted
10 views • May 14, 2020

0 0 SHARE SAVE ...



Intelligent Traffic Manager(Demo)

Unlisted

12 views • May 14, 2020

0 likes 0 comments SHARE SAVE ...



Solar Powered BLDC Motor enhanced by MPPT Algorithm and Artificial Neural Networks (Demo)

71 views • May 14, 2020

1 like 0 comments SHARE SAVE ...

Based on the evaluation following is the final result.

Rank	Gr. No.	UCID	Name of the student	Project title	Guide
1	C2_4	2016120013	Arnold Johnson Fonseca	Cloud Cover Avoidance in Satellite Systems	Dr. Reena Sonkusare
		2016120018	Soham Jagtap		
		2016120054	Shreeram Narayanan		

The departmental coordinator would like to thank Dr. Reena Sonkusare, HOD, EXTC Dept. and all the faculty members of the department for their support for this event. Special thanks to Dr. Y. S. Rao, Dean Research & Development, SPIT for his continuous guidance and support.

R&D Student Coordinator
EXTC Dept., S.P.I.T.