



SIES Graduate School of Technology  
Sri Chandrasekarendra Saraswati Vidyapuram  
Sector 5, Nerul, Navimumbai-400706



## Department of Electronics and Telecommunication

### Event Report

#### Digital Poster Presentation Competition

| Event Information   |
|---|
| <b>Event Type:</b> Industrial Competition   |
| <b>Event title:</b> Digital Poster Presentation Competition                                 |
| <b>Resource Person:</b> Team Bothash  |
| <b>Event Date:</b> SUBMISSION- 24 <sup>th</sup> May 2020 RESULTS- 27 <sup>th</sup> May 2020 |
| <b>Organized for:</b> Under-Graduate and Postgraduate students                              |
| <b>Organized by:</b> Team Bothash   |
| <b>Target Audience (Branch &amp; Nos.):</b> --  |
| <b>Attachments:</b> 1. Photographs (in JPEG/PNG)<br>2. Impact Analysis:                     |

## Event Description

Amidst of Covid-19, Bothash, a Mumbai based start-up organization, organized Digital Poster Presentation Competition in which participants task was to develop innovative, creative digital/pencil sketch/color medium posters for the solution of the topics listed below:

1. How Technology can help in our day to day life
2. Technology - A weapon against Covid-19
3. How Technology can be used to revolutionize agriculture

This competition was conducted to encourage students of all fields to showcase their creative as well as technical skills and brings forth internship opportunities with the Bothash team.

The students of IEEE SIES GST aimed towards solving one of the major problems faced by medical professionals and common man alike, the inaccessibility of medical supplies due to inefficient data management. Supplies are available; however what lacks is the ease to access information about where exactly they are available. The main aim while developing this project was getting accurate data without compromising on high computation while ensuring maximum ease of access for users. The project named “Medical supply monitoring tool for the Government of India” digital poster was submitted on 23<sup>rd</sup> May 2020 by IEEE SIES GST.

The poster presentation competition had a panel of experts along with core members of Team Bothash to review the submitted posters and declare winners.

Mr. Harsh Agarwal (Technical Mentor) and Mr. Aditya Birajdar (Design Mentor) entered the competition on behalf of IEEE SIES GST. IEEE SIESGST was declared winner of this Digital Poster Presentation Competition on 26<sup>th</sup> May 2020.

# Photographs (in JPEG/PNG):



**SIES**  
Graduate School of  
Technology  
RISE WITH EDUCATION

**Medical supply monitoring tool for the  
Government of India  
(MGM Digital Poster Competition)  
- HARSH AGRAWAL & ADITYA BIRAJDAR**



**SIES**  
GST



**COVID-19**  
supplies.in  
[bit.ly/covidsuppliesgit](https://bit.ly/covidsuppliesgit)



CLICK HERE FOR  
WORKING DEMO

**ABOUT THE PROJECT**

After a brief conversation with a WHO doctor, we aimed our project towards solving one of the major problems faced by all medical professionals and the common man alike, that is the inaccessibility of medical supplies due to inefficiency of data management. Supplies are available, but unfortunately what is lacking is the easy to access information on where exactly are they available. Our main focus while developing this system has been towards getting an accurate data at high computation speeds while ensuring maximum ease of access for the simplest of users.

**Python user interface for medical stores and hospitals**

- All suppliers will register with a unique username and password which will be used to log into the system there after.
- The system is used to input data into the main database, directly from an excel sheet, which auto sorts required columns and eliminates the futile data.

**Web servers (for the customers)**

- Rather than searching multiple stores and increasing his risk of acquiring the COVID-19, he gets perfect information of availability and location of his medical supplies.
- The user browses to "COVID-19 supplies.in", and enters the location and required supply which will auto filter all the stores in his range, and give him most optimal store location.

**REQUIREMENTS**

- This decreases time of exposure of the general public with other people, decreasing the chance of acquiring COVID-19
- It is a very efficient inventory management system for all medical stores
- It automatically filters out the medical supplies unrelated to COVID-19 decreasing the computation time, giving the user faster responses.

**Software Requirements**

- Internet**  
A stable internet connection for accessibility.
- Server**  
A web service platform to update, computer and access data efficiently  
Heroku

**Software Packages used**

- Django
- HTML-CSS Web Dev
- Python - Tkinter user interface
- SQLite3 Database

**ARCHITECTURE**

```

graph TD
    User --> WP{Web Page}
    WP <--> DB[Database]
    WP <--> EI{Python User Interface}
    EI <--> MS[Medical Stores and Hospitals]
    EI <--> ES[Excel Sheet]
    ES <--> DB
    
```

\*Click on logos at the top of the poster for respective websites

## **Impact Analysis**

- The students were able to collect a lot of data from primary sources such as doctors, medicine suppliers, medical stores, hospitals and general public.
- They were able to inculcate all the vital data comprehensively in to a single poster.
- This win will inspire other SIESGST students to participate in such competition confidently.