



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



## Department of Electronics and Telecommunication

### Event Report

#### DIGITAL POSTER MAKING COMPETITION

Event Information
<b>Event Type:</b> Intercollegiate Competition
<b>Event title:</b> Digital Poster Making
<b>Resource Person:</b> Dr. Indra Vijay Singh (HOD EXTC dept), Prof. Unnati Sharma (Extcdept), Mr. Sunil Kushwah (Alumni of NIT, Kurukshetra)
<b>Event Date:</b> FROM 29 <sup>th</sup> April 2020 TO 6 <sup>th</sup> May 2020
<b>Organized for:</b> All IEEE Student Branches
<b>Organized by:</b> IEEE Student Branch, MGM CET, Navi Mumbai.
<b>Target Audience (Branch &amp; Nos.):</b>
<b>Attachments:</b> 1. Photographs (in JPEG/PNG) 2. Impact Analysis:

## Event Description

Amidst of Covid-19, IEEE Student Branch MGMCET had organized Digital Poster making contest in which participants task was to develop innovative, creative digital posters for the solution of the topics listed below:

1. Covid-19 Patient Management
2. Android App Development to fight against Covid-19
3. Low Cost Ventilator Solution
4. Innovative Ideas to fight against Covid-19
5. Solutions for Post Covid World

This intercollegiate contest was announced on 29<sup>th</sup> April 2020 and students were asked to prepare and submit their digital posters by 6<sup>th</sup> May 2020.

After a brief conversation with a WHO doctor, the students of IEEE SIES GST aimed the contest 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; however what lacks is the ease to access information and from where exactly are they available. The main aim while developing this system was getting an accurate data without compromising on high computation, also ensuring maximum ease of access for the simplest of users.

“Medical supply monitoring tool for the Government of India” named digital poster was submitted on 5<sup>th</sup> May 2020 by IEEE SIES GST.

After the judges gave marks to all the posters on the basis of:

1. Idea (50 points)
2. Presentation (20 points)
3. Thesis (10 points)
4. Outcome (20 points)

IEEE SIESGST was declared winner of this Digital Poster Making Contest on 10<sup>th</sup> May 2020 by scoring a total of 93 points out of 100 points.

**Judges comment:**

NAME: ***HARSH AGRAWAL & ADITYA BIRAJDAR***

IDEA	PRESENTATION	THESIS	OUTCOME	TOTAL
48	18	09	18	93

**REMARKS:** Very Excellent poster. Best example of digital poster. Great innovation considering real life issue of proper medical supply monitoring. All the very best for your future innovations.

**WINNER OF THE CONTEST**

**HARSH AGRAWAL**

**ADITYA BIRAJDAR**

**SIES GRADUATE SCHOOL OF TECHNOLOGY  
(SIES GST), NAVI MUMBAI  
DEPARTMENT OF ELECTRONICS &  
TELECOMMUNICATION (TE)**



# 1<sup>st</sup> Position winning poster



**SIES**  
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RISE WITH EDUCATION

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



**SIES**  
GST  
IEE



**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-19supplies.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.

**USAGE**

- 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.

**REQUIREMENTS**

**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
- SQLite 3 Database

**ARCHITECTURE**



```

graph TD
    User --> WebPage{Web Page}
    WebPage <--> Database
    Database <--> ExcelSheet[Excel Sheet]
    ExcelSheet <--> PythonUI{Python User Interface}
    PythonUI --> MedicalStores[Medical Stores and Hospitals]
    
```

\*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.