



ST. JOSEPH'S DEGREE & PG COLLEGE

(Autonomous), Affiliated to Osmania University
Re-accredited by NAAC (3rd Cycle) with B⁺⁺ Grade
King Koti Road, Hyderabad

The Department of Physics and Electronics

A Report on the orientation for the Student Projects in Physics/Electronics.

OBJECTIVE OF THE EVENT: To introduce the major project, rules and guidelines to the final year students in Science(Physics and Electronics).

OUTCOME OF THE EVENT:

DATE & TIME 01st November, 02:00 PM

VENUE:Room 508, 5th Floor.

TOTAL NO. OF PARTICIPANTS: 70

FACULTY COORDINATORS: Dr M. Sravan Kumar, Dr D. Padmashri, Mr R. Ashok Kumar.

STUDENT COORDINATORS: Students of BSc MPCs (3A), BSc MECs (3A)

TARGET AUDIENCE: Final Year Students of BSc (MPCs and MECs)

A BRIEF REPORT:

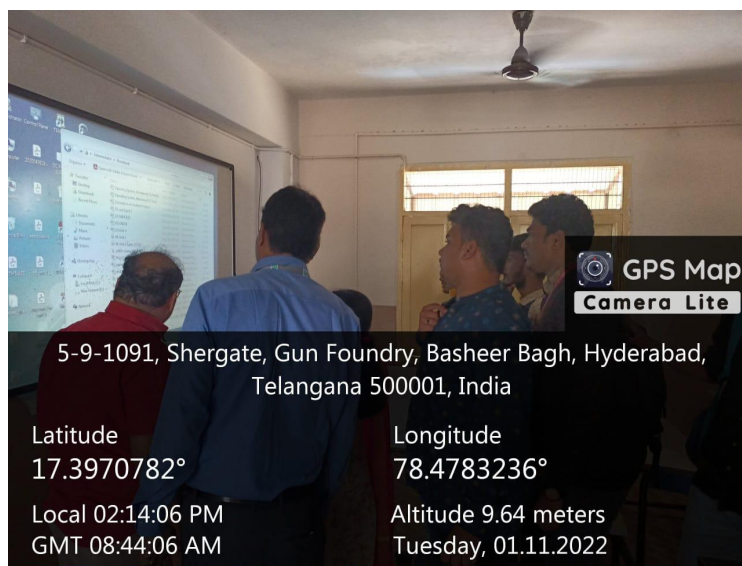
The event started at 02:00 PM on 01 November 2022 in room number 508. All the students of B.Sc. final year in the groups MPCs/MECs attended the event.

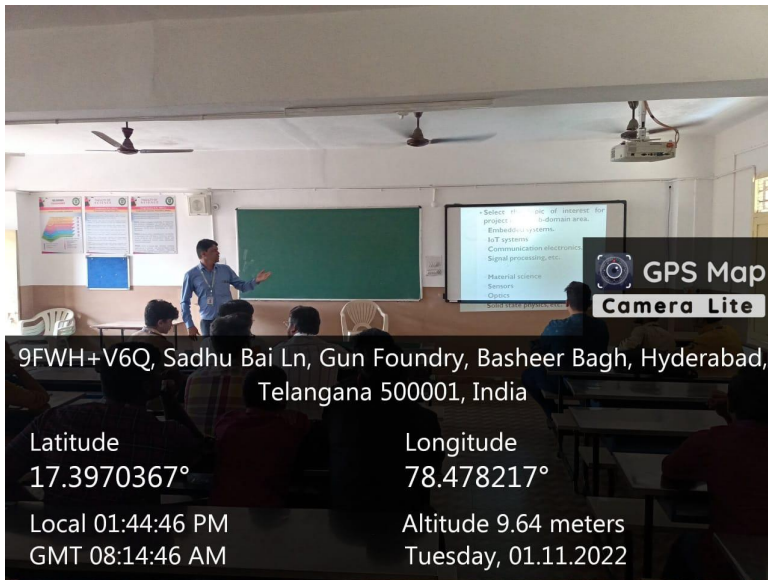
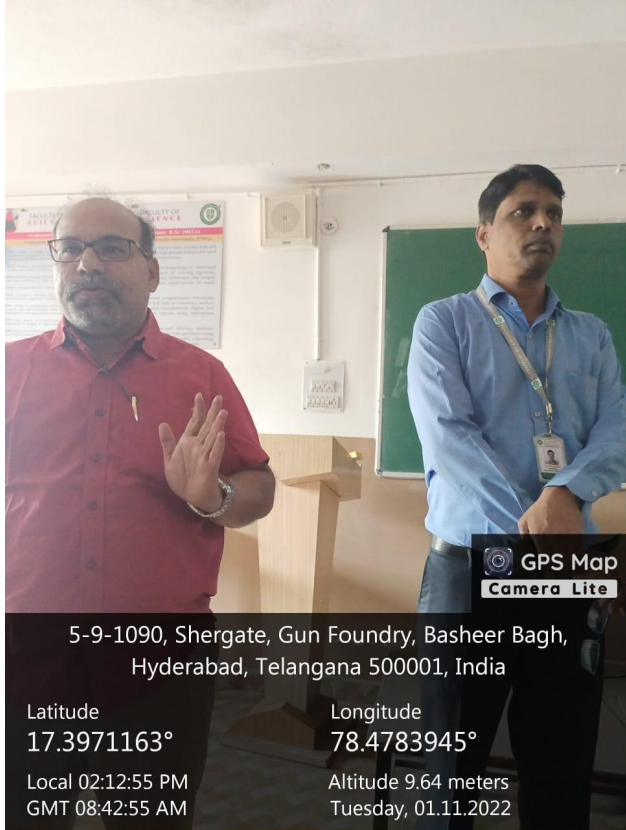
The event was conducted by the faculty members Dr. M. Sravan Kumar, Mr. R. Ashok Kumar and Dr. D Padmashri who guided the students about the rules and regulations for completing a project in Physics/Electronics. The faculty members advised the students about the project's scope in future regarding either further education or workspace. The deadlines for different modules were also introduced to the students.

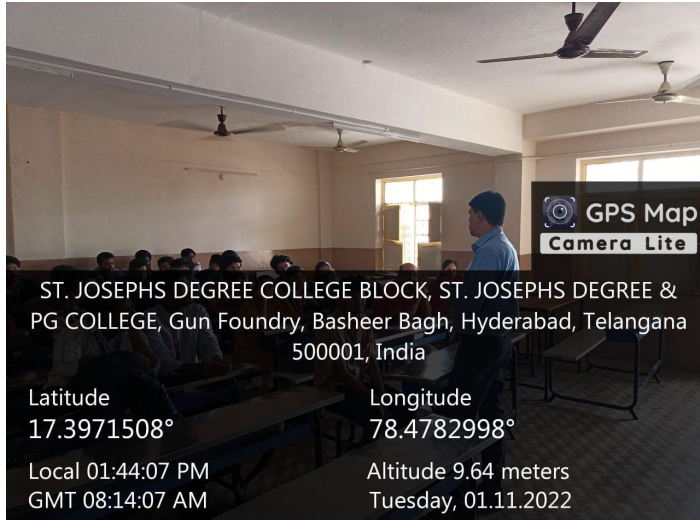
Each module of the project was explained to the students. The faculty members took special interest to explain the uses of having a project in Science, especially Physics and Electronics. All the modules were explained clearly along with their deadlines and rules were

given. The students were taught how to present a project and officiate the documents of the project. The students were also taught important aspects like Plagiarism and Copyright infringement in regards to the individuality of their own project.

Along with guiding the student, student grievances were also answered and their doubts regarding the project were resolved. Few geo-tag images of the event include:







ST. JOSEPHS DEGREE COLLEGE BLOCK, ST. JOSEPHS DEGREE &
PG COLLEGE, Gun Foundry, Basheer Bagh, Hyderabad, Telangana
500001, India

Latitude
17.3971508°

Longitude
78.4782998°

Local 01:44:07 PM
GMT 08:14:07 AM

Altitude 9.64 meters
Tuesday, 01.11.2022



9FWH+V6Q, Sadhu Bai Ln, Gun Foundry, Basheer Bagh, Hyderabad,
Telangana 500001, India

Latitude
17.3970367°

Longitude
78.478217°

Local 01:44:53 PM
GMT 08:14:53 AM

Altitude 9.64 meters
Tuesday, 01.11.2022



9FWH+V6Q, Sadhu Bai Ln, Gun Foundry, Basheer Bagh, Hyderabad,
Telangana 500001, India

Latitude
17.3970519°

Longitude
78.4782637°

Local 01:44:23 PM
GMT 08:14:23 AM

Altitude 9.64 meters
Tuesday, 01.11.2022

The event was concluded with a vote of thanks and the students of the respective sections chose the following major projects in Physics and Electronics:

<i>B. Sc. MECs Project list in Electronics.</i>		
Roll numbers	Names	Project Title
121420474001 121420474040	B.Chandana D.Deekshitha	Password Based Circuit Breaker
121420474002 121420474003 121420474005	B.Abhinand J.Sai Charan M.Pradeep	IOT Based Hazard Alert System For Coal Mine Workers
121420474006 121420474029	G.K.Vineeth Amruth Ram	Emotion based sensor
121420474008 121420474018	Ajay Kumar Yashwanth	Smart Fingerprint Door Lock
121420474010 121420474026	Syed Shakib Masoom	Earthquake Indicator

121420474013 121420474034	Amarnath Akhil	Replica of a Touch Pad using Infrared Technology
121420474020 121420474027	Venkat Karthik	RFID based attendance system.
121420474021 121420474039	John Vamshi	IOT based patient health monitoring system.
121420474024 121420474031	A.Pranathi M.Bhanu Teja	Smart Air Conditioning Watch
121420474028 121420474038	Balakonda Nithish	Fire Alarm System
121420474035 121420474036	Sai Charan Abdul Rahman	Agriculture Monitoring System Using Arduino
121420474030 121420474015	Priyanka Pranay Kumar	Accident Detection and Alerting System Using GPS and GSM.

B. Sc. MPCs Project List in Physics

Roll Number	Name	Project Title
121420468001	A. Adarsh Krishna	Investigative study of binary stars- detached and semi-detached.
121420468012	Mirza Rizwan Ali Baig	Investigative study of binary stars- contact binaries.
121420468018 121420468040	Shreyash P. A. Vishal.	Preparation of hard and soft ferrites
121420468030 121420468031	K. Vara Prasad P. Arun Kumar	Synthesis, Spectroscopic and Magnetic Properties of $\text{Ni}_{0.5}\text{Co}_{0.5}\text{Fe}_2\text{O}_4$
121420468027 121420468028	K. Siddhanth Venkatesh	Synthesis, Structural, Spectroscopic and Magnetic Properties of Lead free Multiferroic Composites
121420468011 121420468024	M. Teja Jagan mohan	Structural, electrical, and magnetic characterization.

121420468037 121420468038	Sagar Karthik	Preparation and characterization of composite ferrites
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