

## Department of Physics

*Under the banner of*

# PHOTON CLUB

Organizes

# Mini Project Exhibition

On 20<sup>th</sup> Saturday 2021, 10:00 AM

Venue: 4<sup>th</sup> Floor, Exhibition Hall, Sir. M Vishvesvaraya Block, SCE

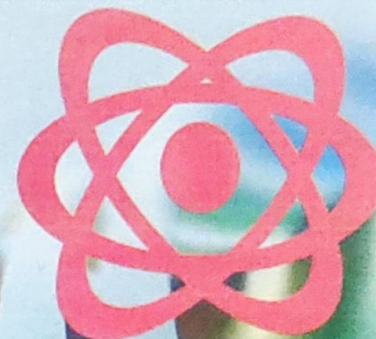
## Patrons

Sri. G. Dayanand  
Chairman, SCE

Sri. G. D. Manoj  
Executive Director, SCE

Dr. H. Ramakrishna  
Principal

Dr. Jagadeesha Gowda G. V.  
Prof. and Head



# P-Cycle (CSE/ISE/EEE): List of Projects and Faculty Advisors

## CSE-A

### Faculty Advisors:

Dr. Keshavamurthy K  
Mrs. Bhavya N P, Ms. Kavya H P  
Mr. Mahesha A M

### Name of the Projects:

1. Optical Box
2. Magnetic Primer PCR
3. Hydraulic Bridge
4. Wireless Power Transmission
5. Automatic Street Light
6. Light Following Robot
7. Free Energy from Salt Water
8. Water Sensing Alarm
9. Free Energy Generator
10. Simple Electric Train
11. Magneto-Generator
12. Eco List

## ISE-B

### Faculty Advisors:

Mr. Devaraja C, Mr. Shivaraj A  
Mrs. Nandini B J  
Mr. Thejas

### Name of the Projects:

1. Vacuum Pump
2. TIR by Laser Light
3. Gas Sensing Detector
4. Power Based Door Lock System
5. LED Sensor / Smoke Absorber Security
6. Damped Oscillators
7. Line Follower Robot using Ardnino IRS
8. Drawing and Writing Machine

## CSE & ISE-C

### Faculty Advisors:

Mrs. Shashikala B S  
Mr. Murali Krishna  
Mrs. Sumangala S Jambli

### Name of the Projects:

1. Harmonograph
2. Pencil Water Level Indicator
3. Automatic Street Light Control
4. Laser Light Security System
5. DC Motor Water Pump
6. Air Gun
7. Powerful Hydraulic Jack
8. Sound Detector
9. Automatic Water Level Control
10. Power Generation DC Dynamo

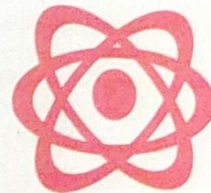
## EEE & ISE-D

### Faculty Advisors:

Mrs. Roopa K R  
Mr. Gnanendra D S  
Mrs. Pallavi G A

### Name of the Projects:

1. Water Level Indicator
2. Wireless Power Transmission using Mutual Induction
3. Free Energy Generator using Magnets
4. Tesla Coil
5. Light Fidelity (Li-Fi): Wireless
6. Clap Switch Sound Operator Switch for LED



## Department of Physics

Date: 02.03.21

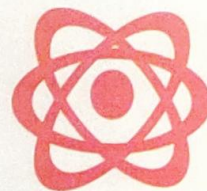
### Photon Club

#### Report of "Mini Project Exhibition"

The Photon Club had organized Mini Project Exhibition on Saturday, **20 Feb 2021** (in advance Science Day) to tribute for **Sir. C. V. Raman**. The students of II SEM BE: CSE / ISE / EEE have participated with their working projects. It was arranged in the Amphitheatre and Ground floor of Sir M V Block between 10 AM and 2 PM, with 39 teams participating in the exhibition. As a part of their theory and lab work for **Engineering Physics (18PHY12)** and **Engineering Physics Lab (18PHYL16)**, students completed the projects under the guidance of faculty members of the department. They demonstrated the working of their projects using models to the visitors.

The exhibition covered various Engineering Physics and Science related projects such as,

CSE - A Section		ISE - B Section	
Sl. No.	Project Name	Sl. No.	Project Name
1	Optical Box	1	Vacuum Pump
2	Magnetic Primer Designer	2	TIR by Laser Light
3	Hydraulic Bridge	3	Gas Sensing Detector
4	Wireless Power Transmission	4	Power Based Door Lock System
5	Automatic Street Lights	5	Smoke Absorber
6	Light Following Robot	6	Line Follower Robot using Micro Controller
7	Free Energy production using Salt Water		
8	Water Sensing Alarm	7	Homework Writing Machine
9	Free Energy Generator	8	Advanced Smoke Detector using Arduino
10	Simple Electric Train	9	Smart Irrigation using Arduino
11	Working Model of Heart	10	Water Purifying by Charcoal Process
12	Eco List	11	Solar Powered Vacuum Cleaner



CSE & ISE – C Section		EEE & ISE – D Section	
Sl. No.	Project Name	Sl. No.	Project Name
1	Harmonograph	1	Water Level Indicator
2	Pencil Lead Water Level Indicator	2	Wireless Power Transmission using Mutual Induction
3	Automatic Street Light Control		
4	Laser Security Alarm	3	Free Energy Generator using Magnets
5	DC Motor Water Pump	4	Auto Fire Sparking System
6	Air Gun	5	Light Fidelity (Li-Fi): Wireless
7	Powerful Hydraulic Jack	6	Clap Switch Sound Operator Switch for LED
8	Automatic Water Level Indicator		
9	Water Alarm		
10	Power Generation DC Dynamo		
11	Power Rhythm LED Circuit		

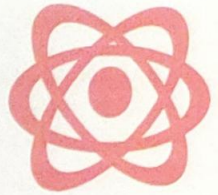
The Principal, HOD's, Faculties, Non-teaching Staff and Students of Sapthagiri College of Engineering from all the branches visited the exhibition and interacted with the students.

This exhibition was arranged as a part of **Photon Club** activities and the faculty members of Department of Physics and other Proctors from various other departments provided guidance to the students for the successful execution of the program. The program was organized well and appreciated by all the delegates and the students attending the exhibition.

## Objectives

The major objectives kept in mind while framing this Mini Project Exhibition under the banner of Photon Club as follows:

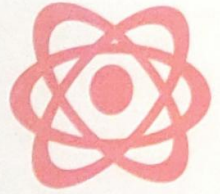
- To understand relation between Science and Technology.
- To understand the advantages of Engineer.
- How to do new devices using technology.
- To make students familiar with various technology used for working models and fabrication of devices.



➤ To understand the concepts of basic science and its advantages.

## Glimpses of Mini Project Exhibition





# SAPTHAGIRI COLLEGE OF ENGINEERING

(Affiliated to Visvesvaraya Technological University, Belagavi & Approved by AICTE, New Delhi)

(ISO-9001:2015 and ISO-14001:2015 Certified Institution)

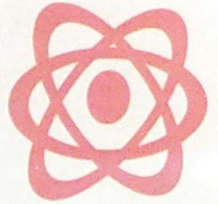
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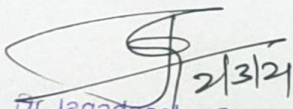
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