

## Department of Physics

Date: 02.03.21

### Photon Club

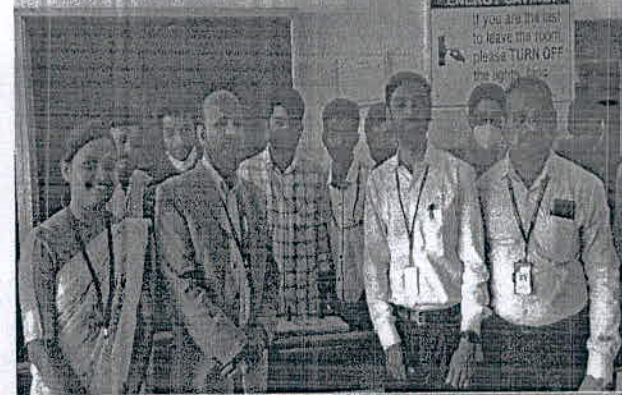
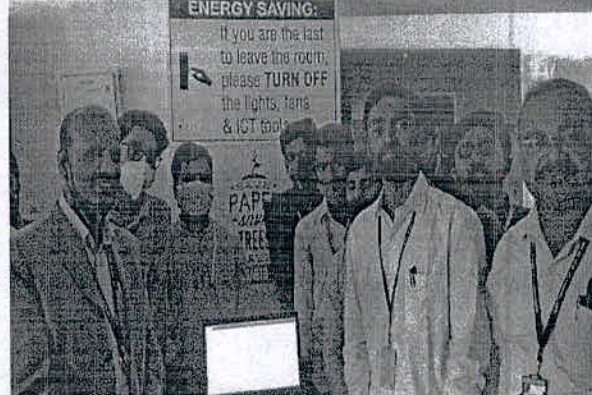
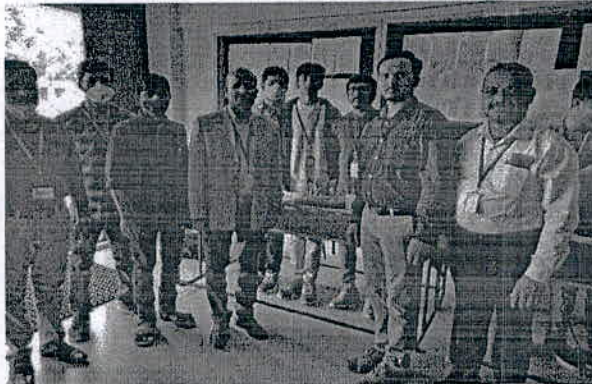
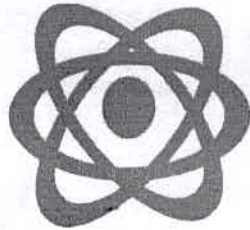
#### Report of "Mini Project Exhibition"

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.

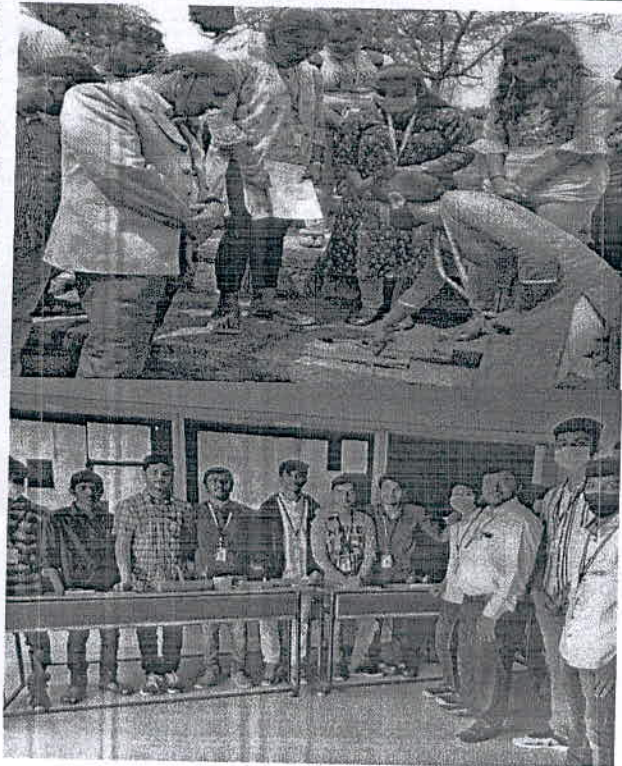
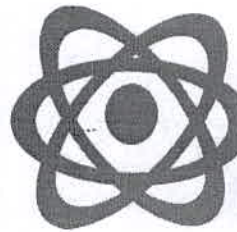
The exhibition covered various Engineering Physics and Science related projects such as,

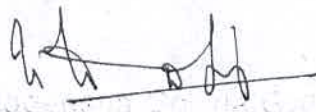
CSE - A Section		ISE - B Section	
Sl. No.	Project Name	Sl. No.	Project Name
1	Optical Box	1	Vacuum Pump
2	Magnetic Primer Designer	2	TIR by Laser Light
3	Hydraulic Bridge	3	Gas Sensing Detector
4	Wireless Power Transmission	4	Power Based Door Lock System
5	Automatic Street Lights	5	Smoke Absorber
6	Light 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









  
Dr. B. K. Kulkarni, PhD  
Professor & Head  
Department of Physics  
Sapthagiri College of Engineering  
Bengaluru-560 057.

  
Principal  
Sapthagiri College of Engineering  
14/5, Chikkasandra, Hesarghatta Main Road  
Bengaluru - 560 057

Principal





Sri Srinivasa Educational & Charitable Trust  
**SAPTHAGIRI COLLEGE OF ENGINEERING**

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Department of Chemistry

## **ALCHEM CLUB**

### **Science Exhibition Report-2021 (Mini Projects Exhibition)**

To promote participatory and hands-on learning in Science, we organize Science Exhibition every year. The activity aims at providing a common platform to students to give shape to their innovative ideas and learn from each other's experiences. The exhibition also provides a medium for popularizing Science and increasing awareness among stakeholders about the close relationship between Science and Technology.

Science Exhibition was inaugurated by Principal, Sapthagiri College of Engineering, Bengaluru 20<sup>th</sup> of February-2021 under the banner of ALCHEM club for first year BE (C-cycle) students of EC, ME, BT & CV branches were participated and also rated the students performance.

Students were asked to choose their favorite topic and they created models, colorful charts, posters, working models. The students also gave a beautiful and detailed explanation of their models to all the guests. They were even questioned about the scientific concepts and theories behind their project. Various sustainable topics and ideas were picked up and demonstrated visually. In this exhibition, the participating teams shared their creative ideas and solution to everyday challenges through their innovative working / non-working models, exhibits, projects and presentations supported by reports, display and research findings.

#### **Mini Project titles selected for exhibition**

- 1. Earth quake alaram**
- 2. Working project of hydraulic bridge for highways**



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3. Hydraulic traffic reduce
4. Model of rain harvesting system
5. Tesla Coil
6. Under water wind mill
7. PCB Designing and Etching
8. Gene Therapy
9. Protein Profiling
10. Cementitious material from Agro waste and sea shell
11. Organic Farming
12. Pharmacogenomics
13. Engines
14. Global warming and Green House Gases
15. Stem cells and Cellular regeneration
16. Hydroponics
17. DNA model
18. Pandemic on Mental Health





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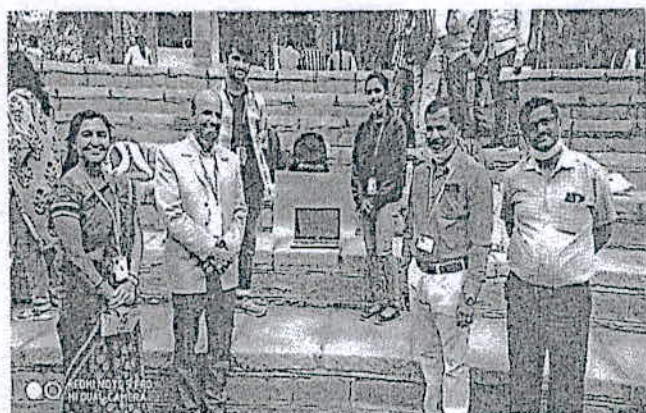
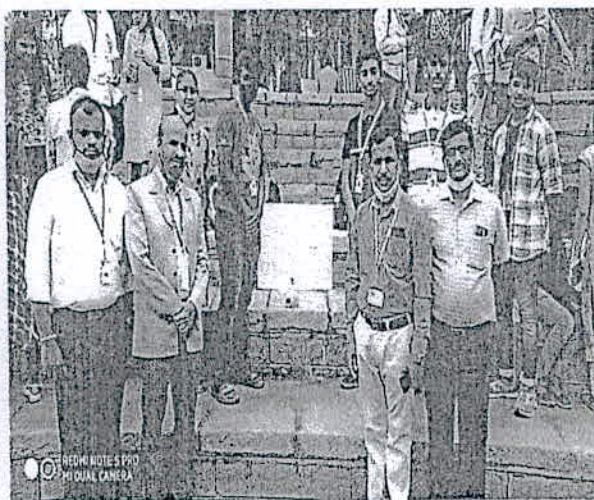
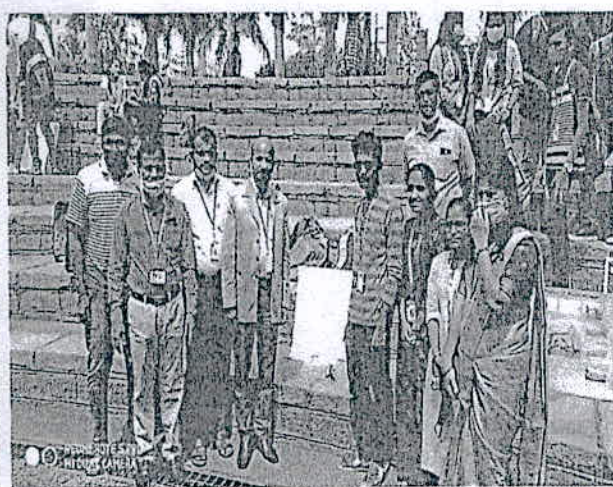
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19. Stem Cells and Molecular Regeneration
20. Aquaponics
21. Battery based on Superhetrodyne Principle
22. Turbines
23. Online Auction system
24. Chemistry Everyday Life
25. Water controller
26. Advance wireless power transfer
27. Artificial intelligence
28. Automatic number plate recognition
29. Laser security Alarm system
30. Wireless power transfer system
31. Mini Vaccum Cleaner
32. Strret Light with LDR & IR circuits
33. Clapping Light
34. Cell phone Detector

All the guests praised the efforts of the students and congratulated them for putting their best foot forward. Dr Ramakrishna H in his speech highlighted the hard work behind the success of the Exhibition and how he thinks that the future of the students was bright. He hailed the confidence and asked the students to keep up the good work. He also highlighted the faculty hard work for guiding the students mini projects.



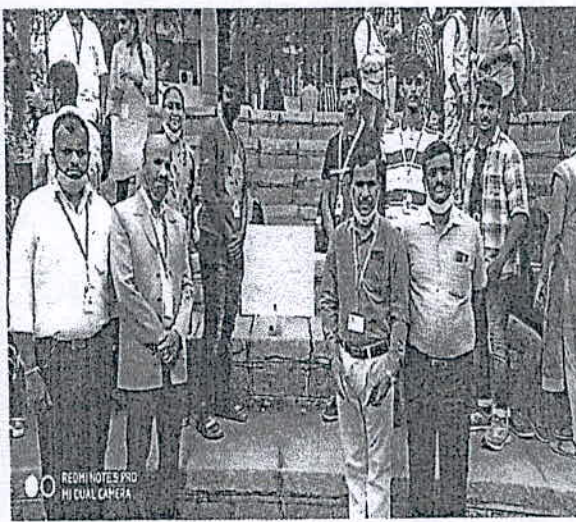
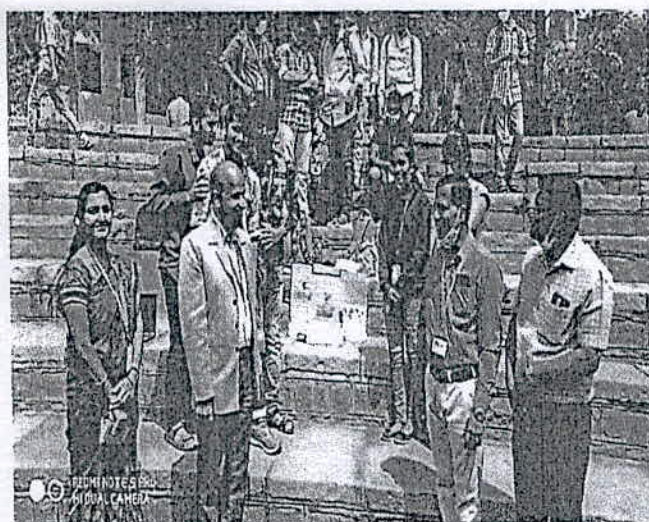
Department of Chemistry  
Glimpse of Science exhibition





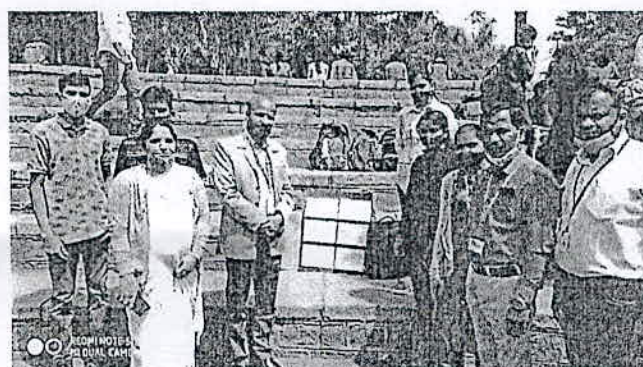
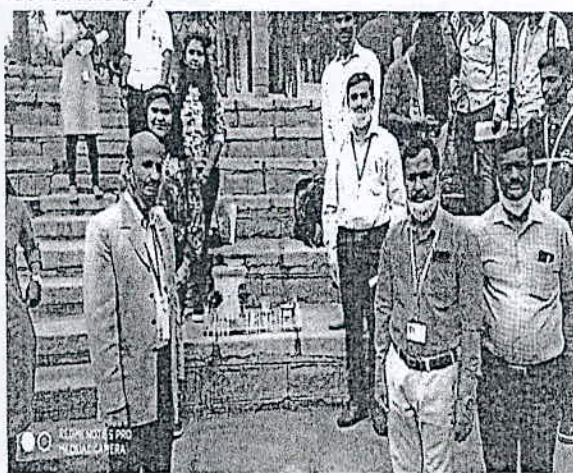
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Glimpse of Science exhibition







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Science exhibition Convener

  
ALCHEM Convener

 01/3/21  
HOD-Chemistry  
**Dr. B.S. KRISHNA**  
Professor & Head  
Department of Chemistry  
Sapthagiri College of Engineering  
BENGALURU - 560 057.

  
Principal  
Principal  
Sapthagiri College of Engineering  
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