

## VYVIDH - TECHNO CULTURAL FEST 2024-25

VIDYA ACADEMY OF SCIENCE AND TECHNOLOGY, THRISSUR

Dept. of ELECTRICAL AND ELECTRONICS

### ELECSPIRE

Our college Vidya Academy of Science and Technology conducted a two day tech fest named 'Vyvidh 2024-25'.

The department of EEE organized Elecspire - colorful events for the fest. The events are listed below:

Event No.	Event Name	Date of Event	Location	Time/Duration
1.	Arc Attack 3.0	4 Oct,5 Oct	South block car porch	10am
2.	Evolution	4 Oct,5 Oct	South block car porch	10am
3.	Pavilion	4 Oct,5 Oct	MB008	10am
4.	Psych Carnival	4 Oct,5 Oct	MB009	10am
5.	Mastermind	5 Oct	Sb114	10 am
6.	Refocus	4 Oct,5 Oct	Nil	10am

### Inaugural ceremony

On 04/10/2024 ,the first day of Vyvidh, the electrical department fest named "Elecspire" was inaugurated at 10 am by Dr. Sudha Balagopalan, Mr. Rajesh S K,V S Sabu ,Anooja V S and Bevin T B addressed the occasion. All the events started right after the inaugural ceremony.



## Arc Attack 3.0

Arc attack 3.0 was an exhibition based on different tesla coils which consists of:

### A. HIGH-VOLTAGE DEVICES:

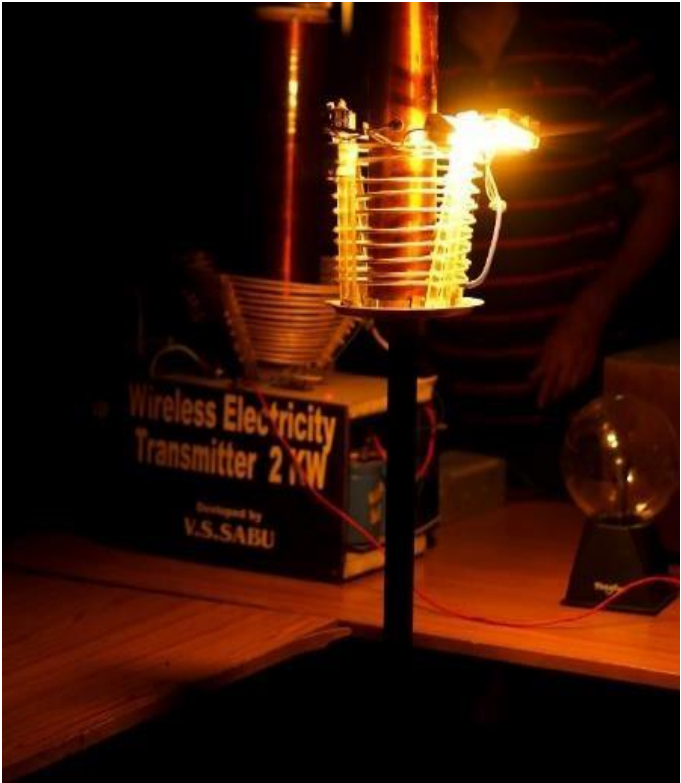
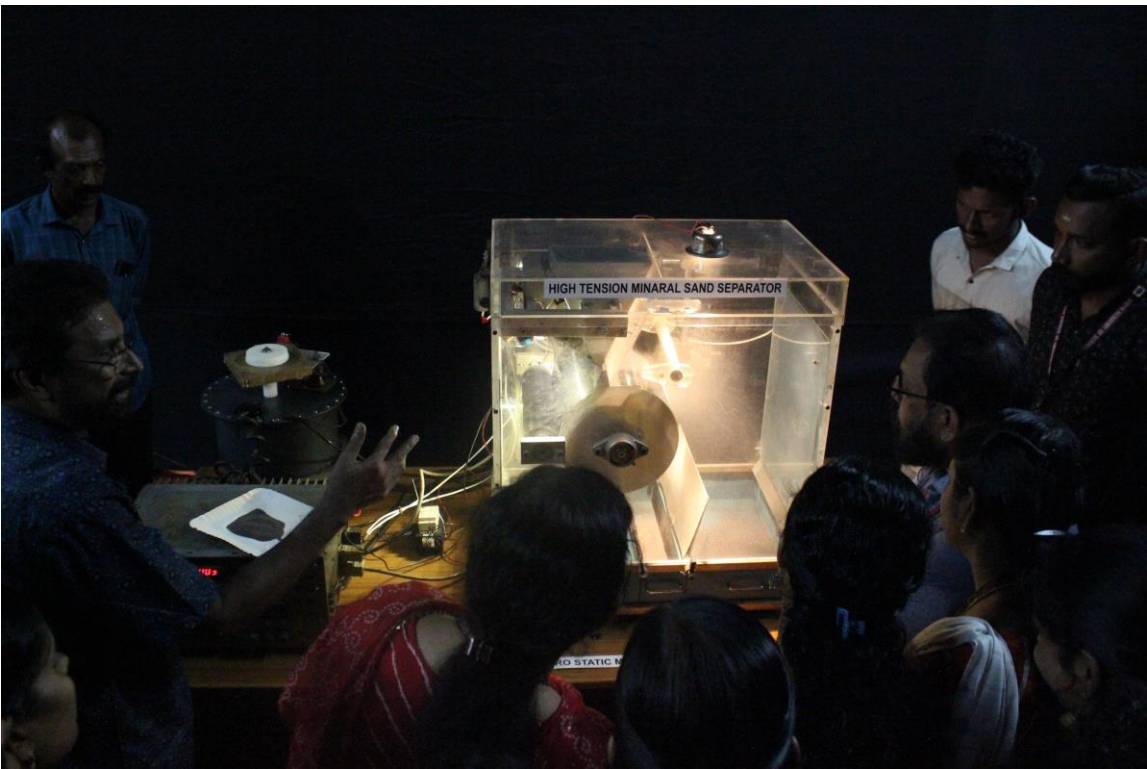
1. Wireless Electricity Transmitter (2KW)
2. Solid state Ion Propulsion
3. Musical Tesla Coil
4. Static Generator using Voltage Multiplier
5. Jacob's Ladder
6. Spark gap Tesla Coil
7. Mineral separation

### B. LOW-VOLTAGE DEVICES:

1. Miniature Tesla Coil
2. Ionic propulsion Tesla Coil
3. Working of a Transformer
4. Demonstration of Faraday's Law
5. Electromagnetic Levitation

These tesla coils were presented by V.S Sabu ,a technological enthusiast from Thiruvananthapuram who is the proprietor of "Intek Systems" TC 65/951 Near Christ nagar school Thiruvallam p.o Trivandrum 695027, phone number - 7356303133.

The working and the arc produced from the 1 million volt tesla coil attracted the attention of the audience and the working of mineral separation made a thrilling experience.





## Evolution

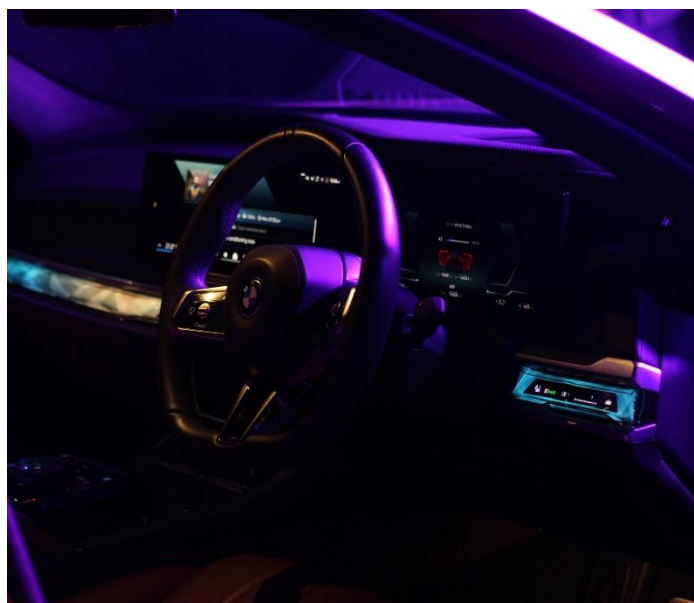
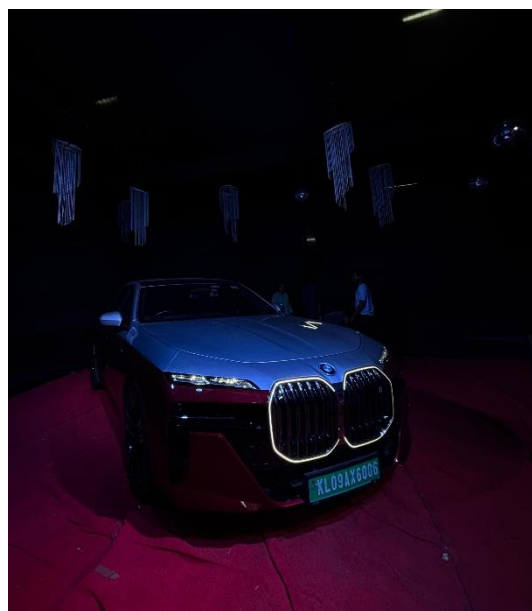
One of our main events was Evolution.

Evolution showcased the following vehicles:

1. **BMW i4**
2. **BMW i7**

The Electric Vehicle Expo 'Evolution' showcased cutting-edge models, including the BMW i4 and BMW i7, highlighting advancements in sustainable mobility. The event drew attention to the latest innovations in electric vehicle technology, promoting eco-friendly driving solution





## Pavilion

The Pavilion showcased working models and still models related to Electrical branch along with the projects of students. The main highlights of the event were:

1. Ring Main unit from KSEB
2. Vertical wind turbines
3. Pumped hydro power station
4. Small hydro power station with wind turbines
5. Concentrated solar power
6. Nuclear power station
7. 2 way foot step energy generation
8. Substation model

These models provided the audience with knowledge about power transmission and energy conversions.

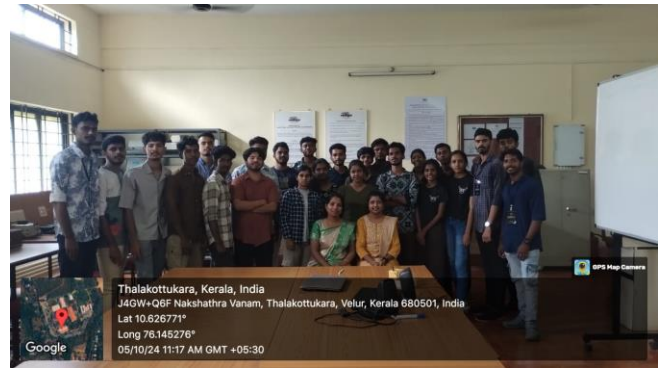


## Psych carnival

Psych carnival was a fun platform with lots of games for people to enjoy. The games were exciting and thrilling for every age group. It was decorated with paintings and paper cuttings. Gifts were provided for the winners.

## Mastermind

Mastermind was conducted as a quiz based on Electrical domain. The event was conducted on March 1<sup>st</sup> from 10 am to 11 am. 38 students participated in the event. First prize was 500 Rs., Second prize was 300 Rs and Third prize was 100 Rs. Cash awards and certificates were given to the winners after the event.





## Refocus

Refocus was a photography competition open to everyone. The photographer who took the best photo of Elecspire was chosen as the winner. The event was open for October 4th and October 5th. Cash Prize of 1000 Rs was given to the best photograph.

All the events were wrapped up by 4:15pm on 04/10/24. On 05/10/24, the second day of the fest, the events started by 10 am and was wrapped up by 4:30 pm. The entry ticket to our main event show costs 20 rupees.

All the events attracted a lot of audience. Arc attack and Evolution especially brought in a lot of audience. These two days of Elecspire gathered attention from a huge crowd and it enlightened them with concepts of science and especially the areas of electrical engineering.