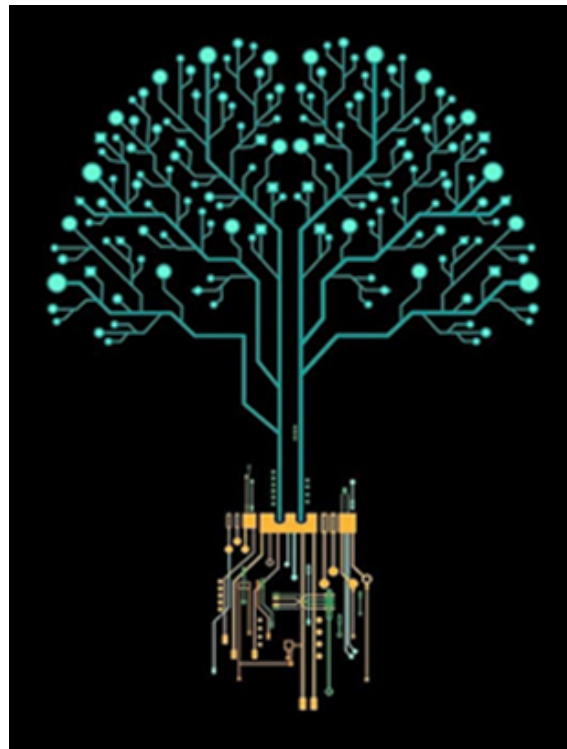


Report on Tesla Club Department of Electronics, Yeshwant Mahavidyalaya, Nanded.



“No Resistance Can Drop Our Potential”

2022-23

Introduction

Electronics is a modern branch of science which is deeply rooted in to every aspect of human life. It has become a part of our day to day life. Now we can't even expect a day without it. Starting the day with a small alarm till ending the day with a bed lamp involves electronics. **“Electronics is clearly the winner of the day”**, said a famous scientist John ford. By the demand and production of the electronics we can predict the economy of a nation. It also plays a major role in a development of a nation.

“The only thing that remains constant is change”

Yes, this has become our attitude, and will remain our legacy to pass down. There has been more development in the past hundred years than the entire span of time since human-origin. Moore's Law still holds strong. We are in an age where our passion and abilities are our hammer and sickle. Competition is round every nook and corner; name any domain. To keep up to this scurry change we need to regularly equip ourselves in our areas of interest and domains of development.

Keeping this vision department of electronics had establishe the **TESLA CLUB** Under the guidance of **Dr. Ganeshchandra N. Shinde Principal**, and the senior faculty of electronics department. The name is inspired from the great scientist nickola tesla. He is One of the greatest geniuses in history. His discoveries and inventions have change the world. He is best known for his contributions to the design of the modern alternating current (AC) electricity supply system.

Preamble

Tesla Electronics club is the student run organization that strives to impart enthusiasm and passion for electronics and allied fields among students of Departments of Electronics, Yeshwant Mahavidyalaya, Nanded. The club aims to cater to the various needs that are primal to be addressed to keep in pace with the ever evolving field of electronics. The club aims to uncover those key topics that are not part of the curriculum or just grazed upon by the syllabus. The functions of the electronics club are to deal from basics of electronics to the peak of it. This club, for sure, will help the students not only in their studies but also in their career.

The Electronics Club is a hobby group that aims to teach and help students understand the seemingly incomprehensible electronic gadgets in the world today, and also assists students in developing their own devices. To this end, various lectures, workshops, projects as well as competitions throughout the

year concerning both analog as well as digital electronics keep the calendar busy and the participants, learning.

In this rapidly moving world, where everyday a new technology comes into existence, it is extremely hard to keep abreast with all the technical know-how, but if our basic concepts are intact then we can aim for the top.

Objectives of Tesla Electronics Club

- The chief aim of the club is to bring the students out of their rooms and to expose them to the challenges awaiting them in the field of circuit design and hardware analysis.
- To explain the concepts of electronics in a practical way and help them to gain knowledge but also help them to use the basic concepts to come up with something constructive and useful for the society.
- To provide a platform for the students to give a shape to their innovative ideas.
- To expose the students to the latest technological advancements in the field of electronics.
- To form a discussion boards on latest trends of electronics which indeed improve their communication skills.
- To provide a hands-on training for students.
- To provide a virtual bridge between the present global industries and the department.
- Aim at bringing out the "Technological Best" in students.
- To conduct lecture series, workshops and also assign projects to students.

Motto

INNOVATION, IMAGINATION & APPLICATION

Activities

- Workshops
- Diy: project making for the purpose of Avishkar , invention etc
- Query session
- Activities like fairwell , alumni meet , freshares party
- Talks: discover the unknown

- Implementation of inventions in campus
- Forming an active google group
- Competitions for the student of year
- Embedded system design challenge
- Electromania (circuit design)
- Design challenge for freshers
- Lecture series 2021
- Movie session on every Saturday at 04.30 to 05.30 pm.

How to meet the objectives

- We show them the video clippings and java-based content which help in better understanding.
- We will ask them about their area of interest and help them to develop their ideas.
- We update them with each and every technical advancement happening around the world.
- We will take up mini projects and make them to work on it.
- Through our contacts we will invite the officials of several global electronic industries to have seminars.

Functioning of Tesla Club

The functions of the Tesla Club is to deal from basics of electronics to the peak of it. The domains of the club are designed in such a way that it provides all-round development of a student in all aspects. Teaching the students about the various components required to build both basic and complex circuits, helping them design and built complex circuits, giving them hints and tricks to make a circuit work, detecting bugs present in a built circuit are some of the key functions of this club.

The Club provided a platform for young talent to bloom. Many found their hidden gifts and others faced and overcame their fears. While events like Poster Presentation, Power point Presentation, Singing, had prelims on Science week. Coding showed us where we stood in the IT world; others had another tale to tell. The events touched on every aspect, be it mental, physical or emotional.

On the occasion of Science day Students of Tesla Club, who went all out to show their expertise and abilities to change the world, on that day every student was presenting their best project and own the

hearts of all the spectators and dignitaries. Poster like Azadika Amrut Mohatsaw ,had gain the special attention in the exhibition.

We all changed! Being a part of the Club was truly a remarkable experience, one to be cherished and never forgotten.

➤ Activity in 2022-2023 :-

1. **Workshop** : - Tesla club organised “one day national workshop on P6 matrix Display board” for students in October -2022. Club members as well as UG and PG physical science students are participated in that workshop. In that workshop tesla club member design and assemble the P6 matrix display board. (digital display board). It is used for displaying college notice and Event’s photos. The display board inaugurated by Honourable and former Chief Minister of Maharashtra Mr. Ashokraoji Chavan saheb.



Some Happy moments on
“one day National Workshop on P6 matrix Display board”

2. **Guest Lecture:** - Tesla club organised guest lecture on “research opportunity in Europe” for students in Aug-2022 by Dr. Bidhan Pandit.

3. **Tesla club Member Participate in G-20 at Symbiosis International University, Pune**

Sr	Tesla Club Member	Class	Model/Poster	Award
1	Tanisha Chavan	B.Sc I st year (Electronics)	----	Participate
2	Ashwini Hiwant	B.Sc I st year (Electronics)	----	Participate



**Tesla club Member Participate in
G-20 at Symbiosis International University,
Pune**

4. Participate in Science Week 2023 at YMN

Sr	Tesla Club Member	Class	Model/Poster	Award
1	Shaikh Akram Shaikh Ahmed	M.Sc. II nd year (Electronics)	Weather Monitoring System	Participate
2	Mohammad Sohail Mohammad Shahudulla	M.Sc. II nd year (Computer science)	YLMS	Participate
3	Tanisha Chavan Ashwini Hiwant	B.Sc I st year (Electronics)	Quick SOS system	Second Runner up
4	Krushna Kakade	B.Sc I st year (Electronics)	Wireless water level indicator	Participate
5	Aayush Mane	B.Sc I st year (Electronics)	Women safety	Third Runner up
6	Vaishnavi shetod	B.Sc II nd year (Electronics)	E-Specs for blind person	Participate
7	Chaitanya Kulkarni	B.Sc II nd year (Electronics)	Laser security system	Participate
8	Ritesh Aaglave	B.Sc I st year (Electronics)	Touch Security System	Participate
9	Rohit Jairmod Kunal Dhawale	B.Sc.I (Physics) B.Sc I st year (Electronics)	Tesla coil	Third Runner up
10	Dipak Aadgaonkar	B.Sc I st year (Electronics)	Li-Fi	Participate



Participate students in Science Week 2023 at YMN