Don Bosco Institute of Technology, Bengaluru

(NAAC Accredited Institution)

Department of Electrical & Electronics Engineering

(Accredited by NBA & Permanently affiliated to VTU)

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Professor & HOD

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Associate Professor, EEE, DBIT

Prof. Rajath Shankar P S
Assistant Professor, EEE, DBIT

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Testimonials

Sri. B. Bylappa, President, WET

I am very happy that the Department of Electrical & Electronics Engineering is bringing out an E –NEWS LETTER. I congratulate all those concerned with this work.

Sri. B. Manjunath, Executive Director, DBIT

Congratulations to the Principal, HOD & Faculty of Department of Electrical & Electronics Engineering. Keep it up. Nice work portraying achievements of the department expecting many more editions in future.

Sri. Raghav Bylappa, Secretary, WET

Happy to learn that the Department of Electrical & Electronics Engineering is progressing very fast and lots of events are being conducted. I wish all the success to the Faculty of the department and to the EEE "E -NEWS LETTER"

Prof. B S Umashankar, Principal, DBIT

Dear Dr. Anguraja R
You and your Colleagues are to be congratulated for the endeavors in bringing up the bench mark of quality of the department by organizing many student development oriented activities. My hearty Best Wishes to EEE "E -NEWS LETTER"

Vision

Aspire to be a center of excellence to impart value based education in the field of Electrical and Electronics Engineering to transform the young minds to serve the societal needs.

Mission

- To provide theoretical and practical knowledge in the field of Electrical and Electronics Engineering.
- To enhance the computational skills by usage of software tools.
- To provide the learning environment to gain knowledge of Inter-disciplinary domains.
- To collaborate with industry to facilitate learning beyond the curriculum.

Program Educational Objectives

PEO 1: To contribute in implementation of products and services through technology development in the area of electrical engineering and allied fields.

PEO 2: To develop professionally through training and lifelong learning keeping abreast of the technology developments.

PEO 3: To develop leadership qualities and entrepreneurship skills.

HIGHLIGHTS

EVENTS ORGANISED

5-Days Workshop on IT Concepts for Beginners & Tips to Crack Interviews

Principal Addressing the Programme

Students Interaction with Alumni expert

Programme Outline

NEWS LETTER January – June 2 0 2 2 | DBIT

1. Two days Hands on Workshop on "Applications of IOT using Arduino"

Date: 28th – 29th June 2022

Trainer:**Mr. Avinash J, 8th semester student, Dept. of EEE, DBIT, Bangalore**

Addressing the programme by Dean-Academics

Expert Teaching about Applications of IoT using Arduino

2. Student Orientation Programme

Date: 31st May 2022

Students attending the programme

FDP, CONFERENCE, SEMINAR AND WORKSHOP ATTENDED

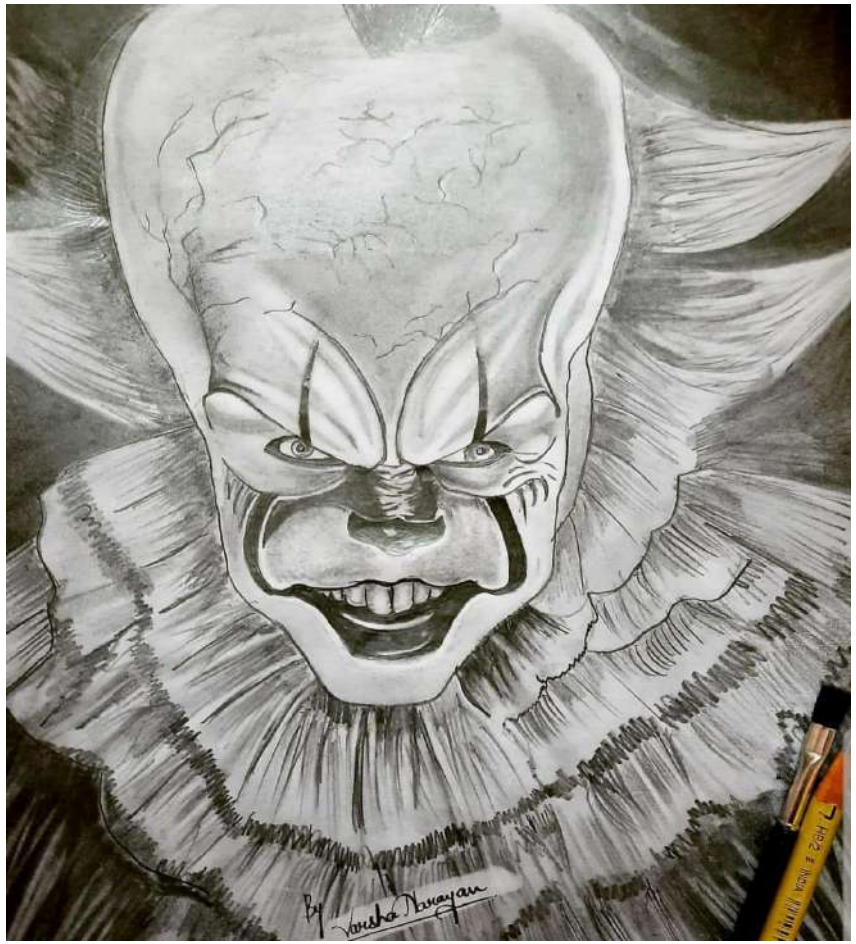
List of Faculty attended 2 days workshop on "Bloom's Taxonomy Levels" held on 6th & 7th April 2022 at DBIT, Bengaluru.

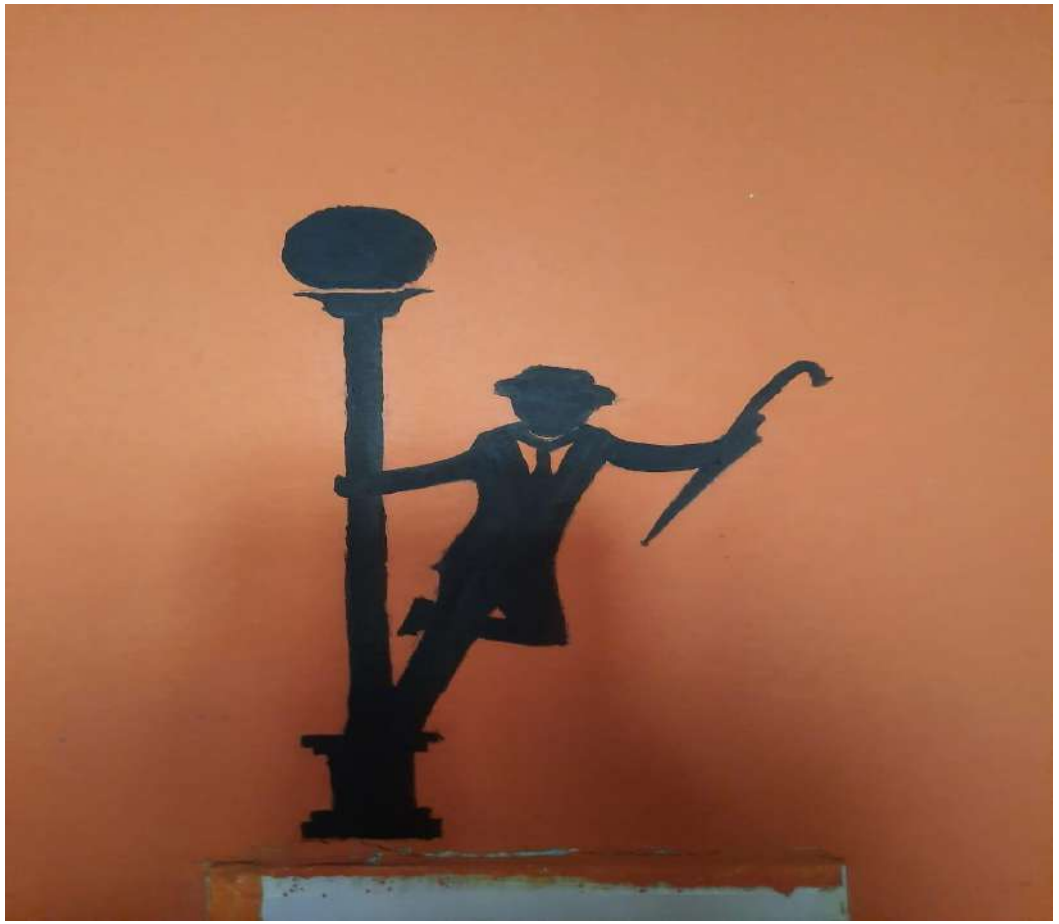
Sl.No	Faculty Name
1	Dr. Anguraja R
2	Dr. P K Prakasha
3	Dr. Ramesh Kumar V
4	Mrs. Sulochana I Akkalkot
5	Mrs. Sharmila R.S
6	Mrs. Padmashree V Kulkarni
7	Mr. Raveendra R
8	Mr. Rajath Shankar P.S
9	Mr. R Santhosh Kumar
10	Mrs. Sneha A S
11	Mr. Hemanth Kumar S
12	Mrs. Asma
13	Mrs. Akshatha R Hegde
14	Mrs. Ramyashree H P

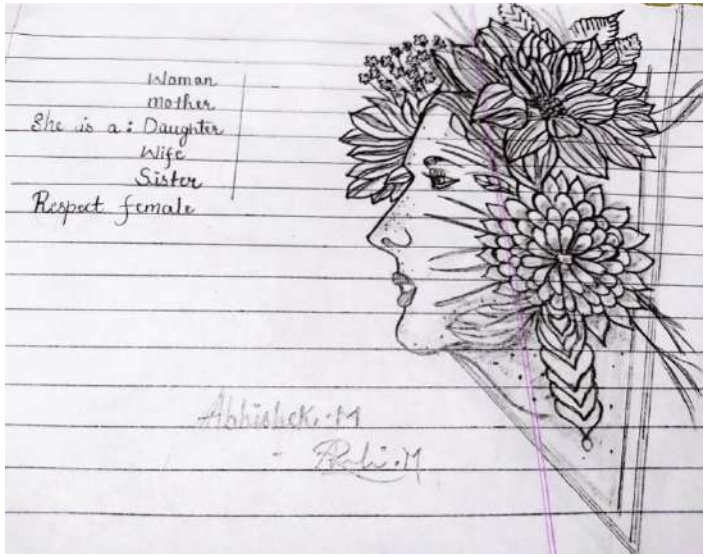
List of Faculty attended 2 days workshop on "OBE-CO, PO Mapping & Attainment Calculation " held on 5th & 6th February 2022 at DBIT, Bengaluru.

Sl.No	Faculty Name
1	Dr. Anguraja R
2	Dr. W M Sivakumar
3	Dr. P K Prakasha
4	Dr. Ramesh Kumar V
5	Mrs. Sulochana I Akkalkot
6	Mrs. Sharmila R.S
7	Mrs. Padmashree V Kulkarni
8	Mr. Rafi Ahmed Z
9	Mr. Raveendra R
10	Mr. Rajath Shankar P.S
11	Mr. R Santhosh Kumar

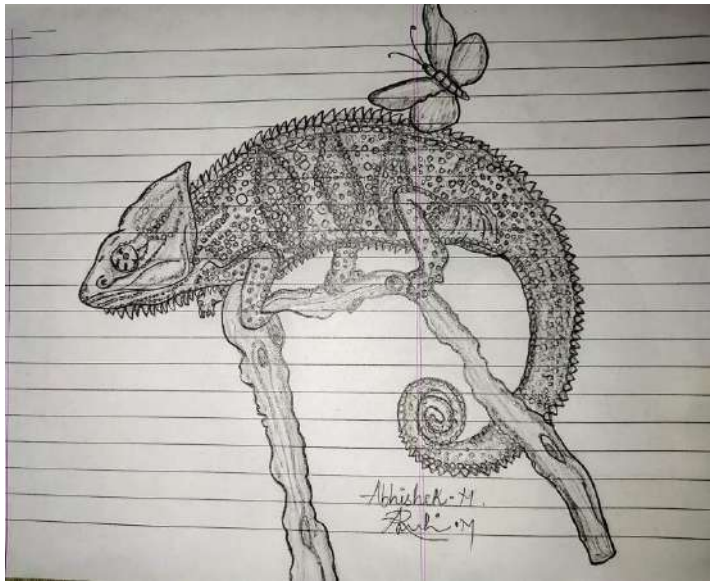
Pencil Sketch and Wall Art by Varsha Narayan, 6th semester,EEE





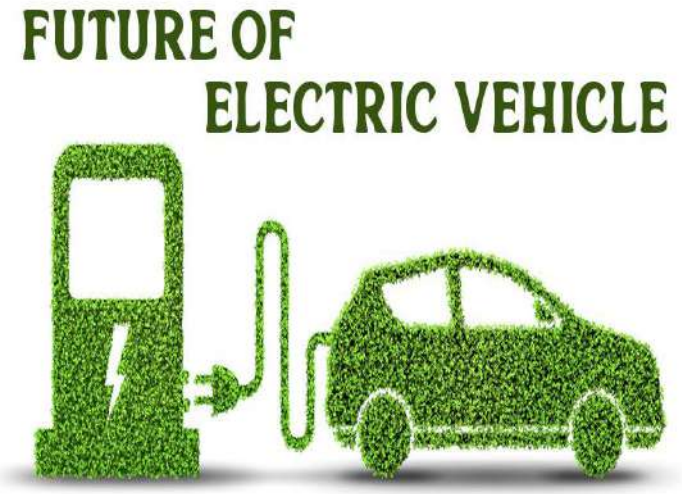


Pencil Sketch by
Abhishek M
4th Semester, EEE



Future of electric vehicles in India

The business activity is gaining greater pace and the Indian economy rebounds its way in 2022, the auto industry is set to enter a new phase in the innovation, growth and investments in EV market. Though the EV has greater advantages, it is battling various challenges in Indian minds. Although the governments in INDIA are very promptly promoting the adoption of EV, the inadequate infrastructures and high performing EV's and also the high cost is causing a hindrance in the adaption to EV through the people. And also the lack of performance time and greater charging time is becoming the obstruction to the growth EV across the world.



Around 63% of the population in India believe that EV is beyond the budget which is also a draw back for development of EV. Also inadequate infrastructure availability in the country is being the greatest hindrance to increased penetration of EV's. The charging stations and charging slots are very rarely found here. The requirement of the fuels(nickel and lithium) which are used in the production of batteries becomes high. If the availability of the fuels decreases then the companies will have to use low quality fuels and this decreases the efficiency of the battery. Uneven power supply in the country also affects to adapt to the EV.

There are the range of potential market barriers that limit the ability of EV industry to the rising demand an underdeveloped charging ecosystem continue to impede a higher penetration in the two-wheelers consumer segment.

The government of India has taken many measures to increase the adaption of EV's. India mainly depends on China for lithium. The policies introduced by the Indian government like battery swapping policy, aim at encouraging green energy generation and decentralisation of energy distribution is likely to create a well-established EV infrastructure.

However, India does not have technology to manufacture chips or Lithium-Ion cells. Currently, the EV market in India ha fragmented with independent dealerships which make it difficult to create proper infrastructure for second-hand sales. The warranties, quality, strength of vehicles vary significantly. Shortage of global semiconductor further creates supply chain issues and promote localisation of commodities for automotive OEM's (Original Equipment Manufacturer).

Therefore, a substantial infrastructure that is affordable, accessible and serves all consumer groups coupled with strong financing ecosystem, policy incentives, and technological advancements is likely ton poise the EV market for significant growth in the coming decade.

By,
Shrividya Kulkarni, 4th Semester ,EEE