

**LBS INSTITUTE OF TECHNOLOGY FOR WOMEN**



# **ELECTRENEITY**

*Innovation at your fingertips*



**ELECTRONICS & COMMUNICATION DEPARTMENT**

**2022 - 2023**

**AUGUST - JANUARY EDITION**

# CONTEXT

- **New innovations and discoveries**  
~ 3-4 pages  
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- **Vision and Mission ~ 6th page**

Dear Readers,

It's my pleasure to welcome you to the latest edition of our semester wise newsletter, which aims to keep you informed about the latest trends, advancements, and breakthroughs in the world of electronics and communications.

This year has been marked by unprecedented challenges that have tested our resilience and adaptability in new and unexpected ways. Despite these difficulties, the field of electronics and communications has continued to push forward, driven by the passion and dedication of researchers, engineers, and innovators around the world.

In this edition of our newsletter, you'll find a wealth of information on some of the most exciting developments in the field, from breakthroughs in wireless technology and smart devices to the latest developments in artificial intelligence and machine learning.

We're also pleased to share news and updates on the latest events, conferences, and opportunities for networking and collaboration.

We hope that this newsletter will inspire you to continue exploring the frontiers of electronics and communications, and to contribute your own ideas and innovations to this dynamic and ever-evolving field.

Sincerely,

GOWRI PRIYA P , S5 ECE (2020-2024 BATCH)

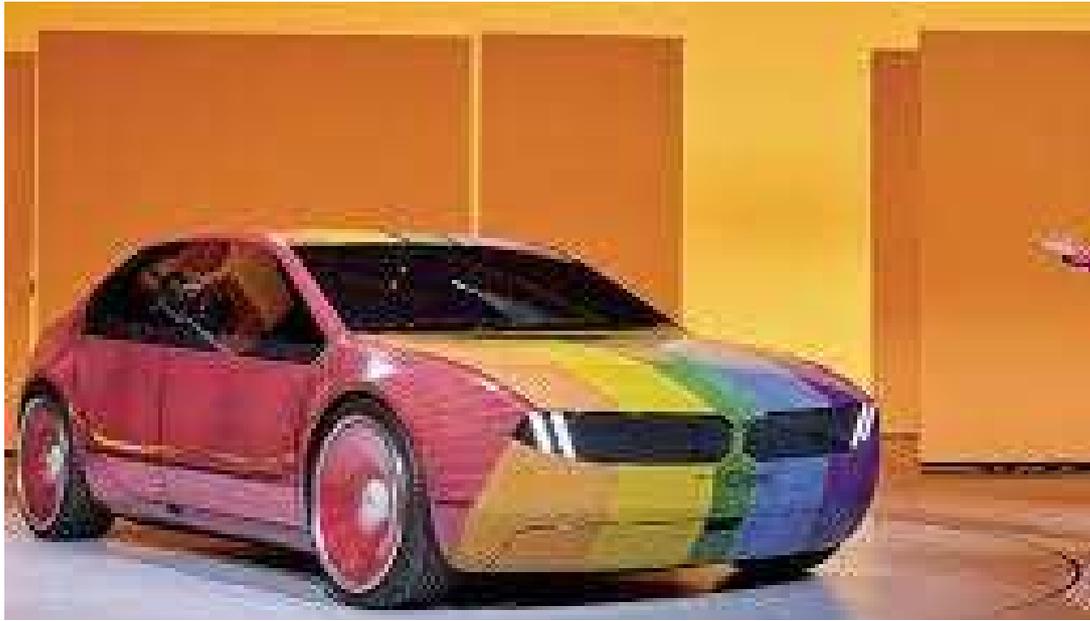
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**AUGUST - JANUARY (2022-2023)**

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# ELECTRENEITY

Newsletter by ECE (2020-2024), LBSITW



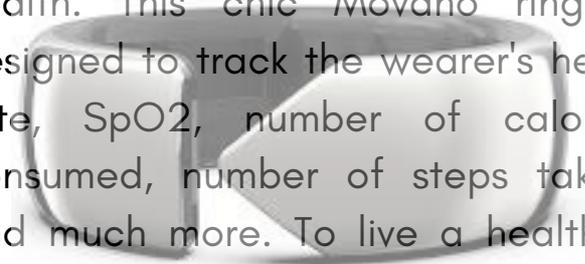
## Color

### Changing Cars: BMW iX Flow

Can you change the color of your car to suit your mood and the environment? The answer is no right now, but you probably can shortly. With the push of a button, the BMW iX Flow concept car can instantly change from white to black and vice versa thanks to this technology. BMW has given this revolutionary technology the name "E-ink."

## MOVANO

Movano Ring is a brand-new health technology that addresses the underserved needs of women's health. This chic Movano ring is designed to track the wearer's heart rate, SpO<sub>2</sub>, number of calories consumed, number of steps taken, and much more. To live a healthier life, users can use the ring to gather information about their health and make short- to long-term changes to their eating and lifestyle habits.



# The Freestyle - The Samsung



Freestyle is an FHD HDR smart portable projector with built-in Alexa and Bixby support, a smart speaker, a lava lamp, and a beautiful projecting display. It is a versatile product. To give you the best picture quality for your favorite movies and TV shows, it uses autofocus, auto leveling, and auto keystone technology to automatically adjust the image for your picture.

## Samsung Eco Remote



Samsung's eco-friendly and sustainable TV remote is called the IEco Remote. The Eco Remote is made of recycled materials and maintains its full charge by utilizing radio waves at night and solar energy during the day. This eliminates the need for batteries.

## Flying Car powered by renewable energy



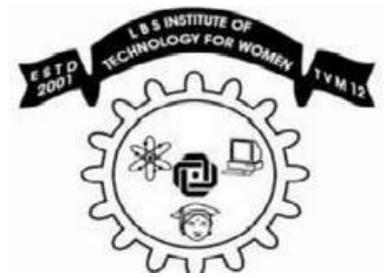
It is a unique vehicle that has the ability to both fly and drive on land, making it a versatile mode of transportation. One of the key benefits of the flying car is that it is powered by renewable energy, which helps reduce pollution and minimize the negative environmental impact. In addition, the flying car is incredibly fast, with a 0-60 acceleration time of just 2 seconds & This makes it a great option for those who need to travel quickly and efficiently. Overall, the flying car is considered to be one of the best tech inventions of 2022 due to its ability to reduce traffic and pollution, as well as its speed and versatility.

# 2nd IEEE ICCSC 2023



The 2nd IEEE International Conference on Computational Systems and Communication organized by LBSITW on 03-04, March 2023 aims to develop a new research forum for researches, academicians and industrialists to share and exchange their potential insights on design, implementation and analysis of intelligent computational and communication systems. The conference is sponsored by TEQIP-II and technically co-sponsored by IEEE Kerala section.

# Vision & Mission of Institute



## VISION

To be a Centre of Academic Excellence empowering women in technical domain

## MISSION

Imparting value based technical education for transforming young women to professionals excelling globally in academics, research and development and industry meeting societal challenges

# Vision & Mission of Department

## VISION

To become centre of excellence in Electronics, Communication, Instrumentation and Computer Engineering to facilitate professional education and research keeping higher level of value systems.



## MISSION

- To transform young women to high quality engineers, entrepreneurs and researchers with ethical values.
- To contribute creative engineering solutions to industry by keeping pace with the latest technological advancements
- To provide intellectual services to the society by the application of Electronics, Communication, Instrumentation and Computer engineering.