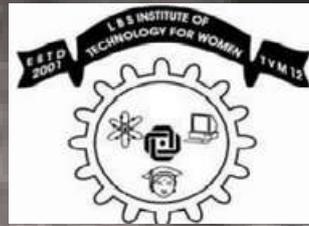


**LBS INSTITUTE OF TECHNOLOGY FOR  
WOMEN**



# **ELECTRENEITY**

Innovations at your fingertips

**ELECTRONICS & COMMUNICATION DEPARTMENT**

**2022**

**APRIL – JULY EDITION**

# CONTEXT

- **New innovations and discoveries**  
~ 3-4 pages  
5th page
- **YAGNA DHRUVA 22**
- **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 , S4 ECE (2020-2024 BATCH)

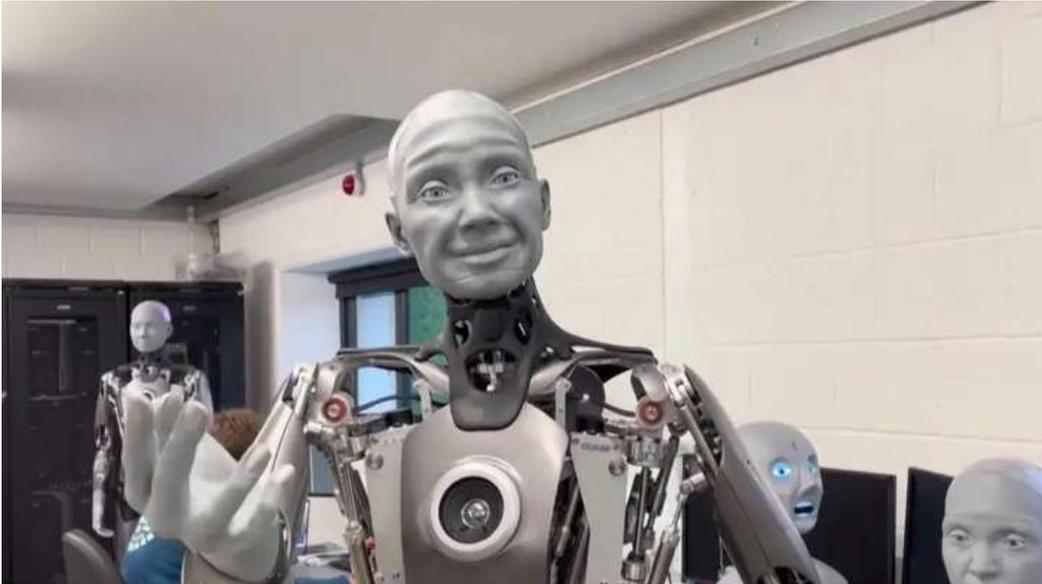
---

APRIL - JULY 2022

---

# ELECTRENEITY

*Newsletter by ECE (2020-2024), LBSITW*



## Human Robot "AMECA"

Ameca, a futuristic robot with a human-like shape created by Engineered Arts, combines artificial intelligence with a synthetic body that resembles a human body. Ameca is based on their cutting-edge Mesmer technology and is capable of motions that resemble those of a human being, such as smooth arm and facial movements and eye twitches. Ameca's design was influenced by numerous Hollywood and Bollywood robot-based films, and its initial applications included customer service, informational terminals, and entertainment.

## SMART TIRES

Bicycle tire deflation is an ongoing issue, but the SMART company has developed a smart bike tire that never needs to be inflated. The tires are made of NiTinol+, an environmentally friendly substance that helps keep your tires in good shape and prevents them from ever going flat. The airless tires are made of elastic materials like rubber and titanium that are long-lasting and will enable you to make some long-term financial savings.

# Arlo Touchless Video Doorbell

Have you ever considered a doorbell that will ring on its own when the button is not pressed? The brand-new Arlo Touchless Video Doorbell does the same thing. It automatically rings when a person is within a certain distance and uses motion and proximity sensors to detect their presence.



# KFConsole



On KFConsole, you can now play while simultaneously warming up your chicken wings. The KFConsole is a gaming console in the shape of a bucket that has an internal chicken chamber where you can warm the chicken wings. The unique two-in-one console was created by KFConsole, whose company motto is "power your hunger," and features an Intel Nuc 9 in a cooler master NC100 chassis.

# The World's Smartest Face Mask - Project Hazel



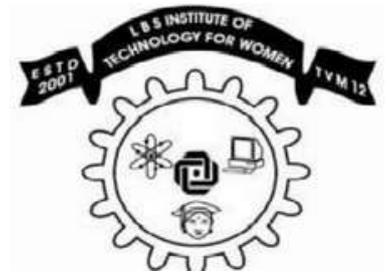
There is still time for COVID-19, and a smart mask is always in order. It is a smart mask with washable filters. The RGB lighting around the ventilation gives the mask a stylish appearance. It also has a charging case, a UV sterilization system, a built-in microphone, and a speaker system.

# YAGNA DHRUVA 22



Yagna Dhruva is the annual, national level inter collegiate techno-cultural extravaganza of LBSITW Trivandrum. The queen of all fests ascended the throne in 2009 unlocking true potential and unleashing.....

# Vision & Mission of Institute



## VISION

To be 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 and Instrumentation to facilitate professional education and research keeping higher level of value systems.



## MISSION

To transform young women to high quality engineers and entrepreneurs with ethical values for providing creative engineering solutions and intellectual services for the society and industry application of Electronics, Communication and Instrumentation Engineering.