

“OTP AND VOICE BASED SMART DOOR ACCESS SYSTEM WITH AUTOMATIC LIGHT CONTROL”

Anveshana 2K24

Department of Electronics, Organized a One Day Workshop (Anveshana 2K24) on “OTP AND VOICE BASED SMART DOOR ACCESS SYSTEM WITH AUTOMATIC LIGHT CONTROL” on 27-04-2024 Students of First year BCA & Second year M.E.CS & participated in this workshop



FIRST YEARS OF BCA have given a power point presentation about the “**OTP AND VOICE BASED SMART DOOR ACCESS SYSTEM WITH AUTOMATIC LIGHT CONTROL**” is an advanced security and convenience solution for our homes and business. It allows users to unlock the door using OTP send to their mobile or by voice recognition .The system can automatically control the light. turning them on(or) off based on user preferences .

SECOND YEARS OF MECS have given a power point presentation about the “**SMART KITCHEN**”.Smart kitchen that your kitchen is ergonomically designed.Smart technology can send notifications in case of any malfunction, thereby preventing any accidents or mishaps.Energy-efficient appliances can reduce your expenses.Most of these devices are wifi enabled, allowing you to access them from afar.These appliances can provide a safe and convenient working environment based on the user, age group etc





SECOND YEARS OF MECS have given a power point presentation about the “**TOUCH SENSOR USING 555 IC TIMER AND BREAD BOARD**”. When a person or object touches the **touch sensor**, the capacitance increases and causes a current through the resistor. This current is then stored on the capacitor, which

triggers the **555 timer IC**. The **555 timer IC** then sends a signal to activate the output device. This simple Touch Switch is developed by using 555 timer IC operated as a **MONOSTABLE vibrator**. Here the stable stage is LOW, so the timer outputs low after the trigger is removed. Basically in this circuit we will have a LED which turns ON when we touch a pin of timer.



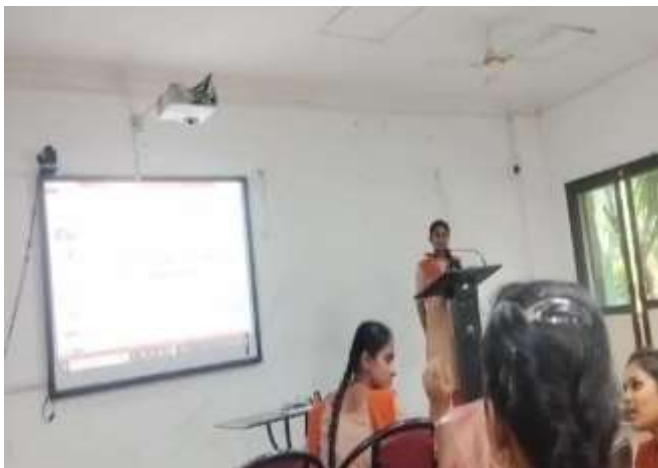
SECOND YEARS OF MECS have given a power point presentation about the “**RAILWAY TRACK FALL DETECTION**” Indian railway is the largest railway network in Asia and additionally world's second largest network operated underneath a single management. The railways became the prime suggests that of transportation because of their capability, speed and

responsibleness . Even a small improvement in this sector will aid the overall development of a nation. Due to the gigantic size, it's a tedious task to monitor and maintain the rails in a timely manner.



SECOND YEARS OF MECS have given a power point presentation about the **“IOT BASED BAGGAGE TRACKING SYSTEM”**. The internet of Things is a concept that not only has the potential to impact how we live but also how we work. The new rule for the future is going to be, "Anything that can be connected,

will be connected.” The reality is that the IoT allows virtually endless opportunities and connections to take place, many of which we can't even think of or fully understand the impact of today.



SECOND YEARS OF MECS have given a power point presentation about the **“ALCOHOL DETECTOR”** An alcohol detector is a device that can be used to estimate blood alcohol content (BAC) or to detect viruses or diseases from a breath sample. Alcohol gas detectors are also available. which are made to

read ethanol, methanol or isopropanol gas vapor in air and present the concentration in parts per million. Some alcohol detection systems can be installed in vehicles to prevent drunk driving.