



Gayatri Vidya Parishad College of Engineering for Women

Madhurawada, Visakhapatnam

(Affiliated to JNTUK, Approved by AICTE, New Delhi)

Department of Computer Science and Engineering

Product Development Details

S. No.	Product	Purpose	Technology Used	Faculty Name/ Students/ Role
1	Face Touch Alert Device	<ul style="list-style-type: none"> This face touch alert device can prevent you from touching your face by beeping when your hands get too close to your face. The main idea behind this project is to reduce the spread of infection if every one of us can restrain touching our faces. 	Magnet, Buzzer, UltraSonic Sensor	<p>Mr. A. Udaya Kumar</p> <p>Development by student K. PRAPOORNA (18JG1A0539)</p>
2	Smart Mirror	<ul style="list-style-type: none"> A smart mirror is a two-way mirror with an electronic display behind the glass. The display can show the different viewers kinds of information in the form of widgets, such as weather, time, date, and news updates. This product would be helpful for busy individuals that want to multitask and stay informed while on the go. Instead of constantly pulling out a device, one could get informed while finishing daily grooming tasks. 	RasBerry Pi, 2 way Glass	<p>Mr. A. Udaya Kumar, Mr. K. Purushotam Naidu</p> <p>Development by students</p> <p>B V S LAKSHMI SUPRAJA (18JG1A0510) ELURI MAHALAKSHMI (18JG1A0524) G BHAVYA YASASWINI (18JG1A0525) K SUSMITHA REDDY (18JG1A0547)</p>
3	Arduino Uno Based Iot Visitor Counter System	<ul style="list-style-type: none"> A visitor counter using Arduino is a reliable circuit that takes over the task of counting the number of persons or visitors in the room accurately. These are embedded applications that are widely used in places like theatres, malls, auditoriums, and so on. This project uses IR as a tool for sensing people and can also be used to count objects as well, provided that the object's surface is capable of reflecting IR signal. 	Bread Board, Display, Object detection sensor, LCD Display, Aurdino board	<p>Mr. A. Udaya Kumar</p> <p>Development by students</p> <p>ADAPAKA GAYATHRI (18JG1A0501) Python 3.6, OS-Windows-11,IDE-PyCharm,</p>

4	Driver Drowsiness Detection System	<ul style="list-style-type: none"> • Driver's drowsiness is identified as one of the main reasons for road mishaps. Using a driver drowsiness detection system will help evade significant mishaps. • In this project, we present a system to identify the driver's drowsiness and raise the alarm to wake him. • It attempts to avoid an accident caused by the inevitable sleep as early as possible by alerting the driver when he falls asleep. • The symptoms of driver drowsiness can be detected more precisely and within a short time to avoid a car accident by just monitoring eyes. 	Python 3.6, OS-Windows-11,IDE-PyCharm,	<p>Mr. V. Lakshman Rao, Ms. D. Indu</p> <p>Development by students</p> <p>N. VIRIJA SOWJANYA (18JG1A0570)</p> <p>A. GAYATHRI (18JG1A0501)</p>
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