Literature Survey

Team No   :

Team ID   :PNT2022TMID08042

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S.No	TITLE	PROPOSED WORK	TOOLS USED/ ALGORITHM	TECHNOLOGY	RESULT
1	Smart Board	The connection between Android and Smart Board uses Wi-Fi connection. Android application used to send Notices.	• Arduino • Wi-Fi	• PHP • Node MCU	Implemented that will help in easy and reliable notice update by saving time and resources and making notice available in an instant manner.
2	Smart Multilingual Sign Boards	Implementation of smart hybrid system for street sign boards recognition, text and speech conversions through character extraction and symbol matching.	• Street Sign Boards Recognition, • Character Extraction • Symbol Matching	• Computer Vision • GCP	Implement an innovative robust approach for character extraction and text to voice conversion of different images using optical character recognition and text to speech synthesis technology.

S.NO	TITLE	PROPOSED WORK	TOOLS USED/ ALGORITHM	TECHNOLOGY	RESULTS
3	A Smart Notice Board System Using IoT Technology	Will enable people to wireless transmit notices on a notice board using GSM with smart Phone and users get auto notification using parse cloud.	• Microcontroller ATMEGA 328 Programmed in C language.	• GSM Module, • P10 LED Display, • Smart Phoneud, • IoT (Internet of Things)	System accepts the message, stores it, validates and displays it on the LED display.
4	GSM based Smart home and digital notice board	The message can be sent through an android application designed in this project, to the GSM SIM900 module	• GSM technology for communication • To sends SMS	• microcontroller LPC2148, • GSM SIM900 module, • An LCD, • A motor • An android application	The device can be used anywhere irrespective of the place of deployment provided mobile network connectivity is available.

S.No	TITLE	PROPOSED WORK	TOOLS / ALGORITHM	TECHNOLOGY	RESULTS
5	Digital Notice Board Based on IOT	To provide its users with a simple, fast and reliable way to put up important notices in an LED where the user can send a message to be displayed in the LED.	• Speech to Text • Google Assistant	• IOT • LED Matrix • Arduino	It can be easily integrated with all general-purpose display board thus proving its mobility. The message is transferred using wireless technology and is eventually obtained on the LED matrix.
6	Android Controlled Smart Notice Board Using IoT	By replacing conventional analog type notice board with digital notice board we can make information dissemination much easier in a paperless community. Here the authorized user can control notice board through internet	• Raspberry Pi 3 Model B+: • Bluetooth 4.2/BLE, Ethernet • Enabled 5GHz frquence	• Raspberry Pi 3 Model B+ • 1.4GHz, dual-band 2.4GHz and 5GHz wireless LAN • Bluetooth • Faster Ethernet	It saves time, cost of cables and size of the system. Data can be sent from anywhere in the world. Email and password type authentication system is provided for adding securities

THANK YOU