**RAYALA SAI POOJA KRISHNA PRIYA**

**Email id : Rayala sai pooja Krishna priya**

**Branch : ECE**

**Date of Birth: 14th September 1996**

**Mobile Number : 9346053645**

**CAREER OBJECTIVE :**

To associate with an organisation that provides me an opportunity to utilize my skills and improve knowledge with the latest trends and to be a part of the team that works dynamically towards the growth of the organisation.

**ACADEMIC QUALIFICATIONS:**

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| Course | Specification | School/College | Board /University | Year of Passing | CGPA |
| B.Tech | ECE | Shri Vishnu Engineering College for Women, Bhimavaram | JNTU Kakinada | 2019 | 5.39 |
| Intermediate | MPC | Sri chaitanya college,Vijayawada | Board of Intermediate Education, AP | 2014 | 9.02 |
| 10th class | SSC | Bhashyam public school,Eluru | Board of Secondary Education, AP | 2012 | 9.2 |

**ACADEMIC PROJECTS :**

**MINI PROJECT:**

**REMOTE CONTROLLED APPLIANCE CIRCUIT:**

The main objective of the project is to make the home appliances like lamp, fan, radio turn off/on from a tv, vcd or dvd remote control working at the designated frequency.In this , the circuit can be operated up to a distance of 5-10 meters depending on the remote used. Also home appliance is controlled either by pressing any key on the remote or by manually pressing the switch to on state.

**AUTOMATIC RAILWAY GATE CONTROL WITH AUTOMATIC BREAKING SYSTEM:**

The main objective of the project is to automize the unmanned railway gate i.e., the gate is closed automatically whenever the train comes and is opened after the train leaves the railway road crossing. Using this project, the arrival of the train can be identified in either direction. For this purpose, two IR transmitters and receiver pairs are used in this project. LCD is provided to display the information about the arrival and the departure of the train. A speaker is also provided for the information of uneducated people.

**PERFORMANCE ANALYSIS OF DSDV ROUTING PROTOCOL IN MANET WITH AND WITHOUT BLACK HOLE ATTACK:**

The main objective of the project is to analyse the performance characteristics like average throughput , end-to-delay and packet delivery ratio by employing DSDV routing protocol in a MANET with and without the black hole attack which is a malicious node that affects the performance of the network and also we compare the characteristics parameters with and without the black hole attack. In this, the average throughput and packet delivery ratio decreases with increase in the network size. But the parameter end-to-end delay , with increase in the network size, it increases at some point and decreases at another depending on the packets we are going to pass.

**No. of members :** 4

**HOBBY PROJECT :**

**Selective – Reporting – Based Cooperative Spectrum Sensing Strategies for Cognitive Radio Networks :**

The main objective of this project is to reduce the sensing overhead of secondary users and to limit the induced interference to primary users by proposing two selective interference to primary users called Random selection reporting (RSR) and Best selection

reporting(BSR)

* In cooperative detection, each MAC frame consists of
* Two consecutive durations sensing phase and
* Transmission phase.
* The sensing phase consists of several sub slots used for
* Signal detection and decision reporting.

In this we difine the mathematical analysis for both Traditional and Proposed strategies :

* Detection performance analysis
* Overhead analysis

**PERSONAL DETAILS** :

FATHER NAME: Rayala Raja Ram Mohan Rao

QUALIFICATION : Business

MOTHER NAME : Rayala Sunitha

QUALIFICATION : Home maker

**ACHIEVEMENTS :**

* Got 1st prize in a project expo which was conducted in SRKR Engineering College, Bhimavaram.
* Presented a technical paper on LIFI Technology in Shri Vishnu Engineering college for Women, Bhimavaram.
* Got participation certificate on giving a presentation on WITRICITY.
* Received Best student award in tenth standard.
* Felicitated with a gold medal for becoming school topper in tenth standard.

**INTERNSHIP :**

Worked as an intern in Bharat Electronics Limited, Machilipatnam in 2017 for 7 days.

**AVOCATION :**

* Make up artist Enthusiast
* Reading books
* Playing shettle

**DECLARATION :**

I hereby declare that the information furnished above is true to the best of my knowledge and belief.

**RAYALA SAI POOJA KRISHNA PRIYA**

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