SELF INTRODUCTION :-

Good evening,

I'm Haneela, a recent graduate with a Bachelor's degree in Electrical and Electronics Engineering from Madanapalle Institute of Technology and Science in 2023, achieving an impressive 8.0 CGPA. Prior to that, I completed a Diploma in EEE in 2020 with an 88% score.

My professional journey has been enriched by hands-on experience during internship. A six-month stint at RAYALASEEMA Thermal power plant, where I gained valuable insights into industry dynamics and safety protocols.

And in my academic I had done a project was focused on smart road safety and vehicle accident prevention system on mountain and curved roads using IoT technology. Employing Arduino and ultrasonic sensors, our team developed a solution to detect oncoming vehicles on one side of a curve and alert drivers on the other side, thereby enhancing road safety.

And I served as the team leader, overseeing project execution, coordinating team efforts, and ensuring effective communication. Together, we developed a solution that showcased our technical skills and teamwork abilities.

I consider my family to be one of my greatest strengths. Their constant support, guidance, and encouragement have shaped me into the person I am today, and teaching me to keep trying, bounce back from tough times, and care for others. and Being able to adjust quickly and thrive in new situations.

I am excited about the opportunity to contribute my knowledge and leadership experience to your company's projects. Thank you for considering my application.

ABOUT PROJECT :-

In our project, we aimed to address the safety concerns associated with curved roads in mountainous areas. These roads often pose risks to drivers due to limited visibility of oncoming vehicles or obstacles, especially at high speeds, which can lead to accidents or falls. To mitigate these risks, we proposed implementing a Vehicle Accident Prevention System using ultrasonic sensors.

These sensors, unlike traditional IR sensors, are not affected by sunlight interference and can detect obstacles regardless of external factors such as light, dust, or mist. The ultrasonic sensor operates by emitting ultrasonic waves and measuring the distance of a target object based on the time taken for the sound waves to return. One of the key advantages of ultrasonic sensors is their versatility, as they can detect objects of any size, color, material, or reflectivity.

Our system utilizes an Arduino UNO microcontroller to process the sensor data and trigger appropriate responses based on detected obstacles. The Arduino UNO provides a robust platform for implementing the accident prevention logic and controlling the vehicle's response in real-time.

Overall, our project aims to enhance road safety by providing drivers with timely warnings about potential obstacles on curved roads, thereby reducing the risk of accidents and ensuring a safer driving experience for all road users.

ABOUT INTERNSHIP :-

Sure, at first the Total installed capacity of the plant is 1050 MW. It comprises two units, each with a Capacity of 210 MW & I unit with a capacity of 630 Mw,

. It is a coal-fired thermal power plant. coal is the primary fuel used for electricity generation in the plant.

. So, during my six-month internship, I had the opportunity to work directly with industrial professionals & gain practical experience in various aspects of power plant operations. And I learned about the processes involved in electricity generation transmission, & distribution as well as the challenges and opportunities within the sector.

And safety was always a top priority at power plait I learned to prioritize safety in every aspect of my work ,whether it was operating equipment etc..

Working along with experienced professionals & technicians taught me the importance of teamwork & collaboration in achieving the common goals.

I encountered various challenges during my internship, from equipment malfunctions to unexpected operational issues. Through hands-on experience and guidance from mentors, I developed strong problem-solving skills and learned to troubleshoot problems effectively to minimize downtime and ensure smooth operations.

At last My internship at the Rayalaseema Thermal Power Plant was a transformative experience that not only enhanced my technical skills but also helped me develop professionally. I gained confidence in my abilities, improved my communication skills, and learned to adapt to different working environments.

Where do you see yourself in 5 years?

As a fresher, my focus for the next five years is on gaining valuable experience and honing my skills .I aim to start my career in a supportive and dynamic environment where I can learn from experienced professionals and contribute to meaningful projects. Over the next five years, I hope to progress from an entry-level position to a role where I can take on more responsibilities and make a tangible impact.

What do You know about our company ?

Rossell Techsys is the Aerospace and Defence (A&D) Division of Rossell India Limited, focused on providing services to global Original Equipment Manufacturers (OEMs) in the aerospace and defense sectors. It prides itself on delivering high-quality, value-added solutions and has garnered recognition for its performance and credentials within the industry.

Rossell Techsys's CEO is Prabhat Kumar Bhagvandas.

What is SCM?

Supply Chain Management, is all about the process of getting products or services from the point of origin to the point of consumption. It involves everything from sourcing materials and manufacturing to distribution and delivery. Essentially, it's about ensuring that the right things are in the right place at the right time, while keeping costs in check.

Why are you interest in Joining the Company?

I'm excited about the opportunity to join Rossell Techsys and contribute to its success in the aerospace and defense industry. I'm particularly drawn to the company's commitment to quality, innovation, and continuous improvement, and I'm eager to be part of a dynamic team where I can learn and grow professionally while making a meaningful impact.

What is your weakness ?

One thing I've noticed is that I can sometimes spend too much time on small details, which can slow me down. To improve, I'm learning how to manage my time better and prioritize tasks effectively. I'm also seeking advice from my peers on when to focus on details and when to step back. So when I balance these situations , I will become more efficient and effective.