

LALITHA SATYA SRIDEVI NANDIGAM

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Educational Details:

Course	College	University/Board	Year of passing	CGPA / %
Bachelor of Technology (EEE)	Shri Vishnu Engineering College For Women, Bhimavaram (Autonomous).	JNTUK	2018	8.21 CGPA
Intermediate (MPC)	Narayana Junior College, Nidadavole.	Board of Intermediate Education	2014	97.4%
SSC	Nagarjuna Model High School, Sankarapuram.	Board of Secondary Education	2012	9.0 CGPA

Projects:

Title : EXPATIATING CALCULATOR

Field : Arduino uno

Program : Arduino Assembly language

Duration : 5 months

Description : The main aim of the project is to develop a product which simplifies the complexity in performing mathematical operations for visually challenged people. The major modules used in the project are Braille Keypad which is used for easy identification of number and play back modules for spelling out the operations in own accent.

Title : GSM based ENERGY METER READINGS

Field : Arduino uno

Program : Arduino Assembly language

Duration : 2 months

Description : The main objective of this project is to send the energy meter readings per hour/month/year basis to the consumer mobile depends on their requirement. This helps user in analyzing the usage of power. This project got first prize in project competition organized by PERL

Title : Design and Development of MOISTURE COMDITONING SYSTEM for post harvest paddygrains.

Duration : 4 months

Description : The main purpose of this project is to detect the moisture content in the raw paddy by using load cells and reducing the moisture content to standard moisture level by blowing hot air. This is useful for post harvest paddy processing.

Technical Skills:

Tools worked: Arduino, RStudio, MATLAB.

Areas of Interest : Power electronics, Control systems.

Programming languages: C, basics of R language, Python.

Co-Curricular Activities and Awards:

- Quarter finalist in DST & Texas instrumentation India Innovation challenge design contest 2016, Anchored by IIM Bangalore for submitting a proposal entitled "Expatriating calculator".
- Award of Scholarship for Higher Education (SHE) under Innovation in Science Pursuit for Inspired Research, Board of Intermediate Education, Andhra Pradesh.
- Presented a project titled "Shrimp Cultivation" in IoT conference, Government of A. P 2016.
- Won 1st prize for poster presentation on "Enhancing Productivity using Internet of things in Agriculture" in D.N.R College of Engineering, Bhimavaram.

Extra-curricular Activities and Achievements:

- Organized an awareness program on practical works at knowledge center kumadavalli village.
- Conducted an awareness program on usage of Energy for reduction of consumption at Kovada village.
- **Coordinator** for Illuminary association, EEE department for the year 2015.
- Attended for guest lecture on "A new single phase multi level inverter topology with reduced number of switches".

Workshops Attended:

- Participated in Three day workshop and hands-on experience on "Matlab with Robotics" organized by Acharyaji Technologies.
- Participated in a Two day National Seminar on "Assistive Technology" organized under TEQIP –II by SVECW.
- Participated in three day workshop on "Artificial intelligence using python" conducted by ELAN & Vision IIT Hyderabad and bagged merit certificate.