C-DAC's Advanced Computing Training School

Common Campus Placement Programme

Resume

Basic Information

Name : **Jetta Puneeth Sai Sankar**

CCPP ID : PE0069

Course : PG-DESD,Aug24

Address : 5-129, Muslim Bazar, Kothapeta, Nuzvid, ANDHRA PRADESH

PG-DESD Marks

S.NO.	Module	Maximum Marks (Theory)	Obtained Marks
1	Embedded C Programming	40	37
2	Data Structures and Algorithms	40	31
3	Embedded Operating Systems	40	33
4	Microcontrollers Programming & Interfacing	40	32
5	Embedded Linux Device Drivers	40	28
6	Real-Time Operating Systems	40	25
7	Internet of Things	40	26
	Total	**280**	**212**

Academic Details

Level	Stream	Institute	Board/University	Passing Year	Degree %	Division
BTech	Electrical & Electronics	Velagapudi Ramakrishna Siddhartha Engineering College	Jawaharlal Nehru Technological University, Kakinada , Kakinada , Andhra Pradesh	2024	83.00 %	I
XII	Science	Maruthi Junior College	The Board Of Intermediate Education, Andhra Pradesh	2020	92.6 %	I
X	General	Bethesda Integrated School	The Board of Secondary Education, Andhra Pradesh	2018	95.00 %	I

Academic Projects

Title : **TWO WHEELER ACCIDENT DETECTION AND NOTIFICATION SYSTEM**

Platform : C, ARM, MQTT **Duration :** 1 Month

Description : The project focuses on developing a controller-based model designed to detect and notify about two-wheeler accidents. By analyzing accelerometer readings, the system accurately identifies accidents and instantly alerts emergency contacts with precise GPS coordinates of the accident location. The accelerometer and GPS module are seamlessly interfaced with the model, while the MQTT protocol ensures efficient networking for timely notifications.

Project Repository : https://github.com/PuneethJetta/Academic_Projects.git

Title : **OPTIMIZING MICROGRID PERFORMANCE THROUGH DROOP CONTROL**

Platform : MATLAB **Duration :** 8 Months

Description : The project explores how droop control can adapt to varying load conditions and grid disturbances, ensuring uninterrupted power supply and stability.The MATLAB Simulink tool was used for developing a simulation circuit of a microgrid performing through droop control.The project demonstrated tangible improvements in microgrid performance, energy efficiency, and the ability to integrate renewable resources seamlessly.

Project Repository : https://github.com/PuneethJetta/Academic_Projects.git

Title	:	**OPTIMIZING BATTERY PERFORMANCE - ACTIVE AND PASSIVE CELL BALANCING**
Platform	:	MATLAB **Duration :** 4 Months
Description	:	The project aims to create a simulation system that can equilibrate the cells of a battery pack under different battery operating conditions in order to extend battery lifespan and prevent thermal runaway.The passive and active cell balancing simulation models were developed using MATLAB and Simulink software.A comparison study was conducted, and it was discovered that the active cell balancing strategy, which is more effective at managing energy between the cells, was a superior method of compensating for the imbalance in the cells than the passive cell balancing methodology.
Project Repository	:	https://github.com/PuneethJetta/Academic_Projects.git

Other Information

Technical Certification	:	Python Programming, Embedded System Design, IoT Fundamentals: Connecting Things, Electric Vehicle, Cloud Computing
Hobbies	:	Story Writing, Photography, Photo and Video Editing

Personal Information

Date of Birth	:	19/03/2003	**Gender :**	Male
Nationality	:	Indian	**Passport :**	Available
Languages Known	:	English,Telugu, Hindi		

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

Date : **Signature :**

P_DI_08