CHANDANA VIKATAKAVI

+91 - 9618339768

chandu.sasi1012@gmail.com

PROFILE

M.Tech student working in Low Power VLSI Design, highly motivated with good communication skills and ability to work independently or as a part of a team. Special expertise in the following areas:

- Low Power Circuits and its application in digital field.
- Hand-on experience on software experimental design.

OBJECTIVE

To work as a successful professional in challenging and dynamic environment while upgrading my skills, knowledge and financial growth.

PERSONAL INFORMATION

Birth Date: 12/11/1995

Gender: Female

Marital Status: Single

Hometown: Madanapalle, AP

Nationality: Indian

TECHNICAL SKILLS

- Cadence Virtuoso
- Arduino
- ABB robot studio software
- LATEX
- MS Office
- NI LabVIEW

COMMUNICATION LANGUAGES

English – Professional Proficiency

Hindi – Professional Proficiency

Telugu – Native Proficiency

EDUCATION

NATIONAL INSTITUTE OF TECHNOLOGY MEGHALAYA
2018 – PRESENT (9.04 CGPA)
Master of Technology in VLSI & Embedded Systems Engineering

SREE VIDYANIKETAN ENGINEERING COLLGE
2013 – 2017 (7.85 CGPA)
Bachelor of Technology in Electronics & Instrumentation Engineering

SRI CHAITHANYA JUNIOR COLLEGE
2011 – 2013 (94.5%)
Board of Intermediate Examination

NOBLE ENGLISH MEDIUM HIGH SCHOOL
2010 – 2011 (86.8%)
Secondary School Examination, SSC

ACADEMIC PROJECTS

AN APPROACH TO DESIGN A LOW POWER HIGH SPEED FULL ADDER CIRCUIT BASED ON LOGICAL EFFORT (ONGOING)

- Designing of a low power high speed full adder circuit and comparing it with three existing low power full adder circuits.
- Calculating Logical Effort for all the low power full adder Circuits.
- Resizing the transistor size according to logical effort values.

LOGICAL EFFORT CALCULATION FOR A LOW POWER FULL ADDER CIRCUIT (Mar – May' 19)
- Estimation of delay by using logical effort
- Designing of a low power full adder circuit and calculating logical effort for the circuit.

AIR BAG DEPLOYMENT SYSTEM IN MOTOR VEHICLES (Jan - Mar' 17)
- The MEMS detects angular position of 45 degree or less indicating that the rider would fall, the air compressor will turn on thereby inflating the airbag. Similarly when the piezo sensor detects sudden change the airbag is inflated.
- Hardware implementation of the designed system.

LIQUID CONTROL AND AUTOMATIC LIQUID FILLING (June'16)
- Process involved in pasteurization of milk, liquid flow control and automatic filling liquid.
- Automatic liquid filling machine fills the liquid products in a wide range of consumer packs with highly accurate volumetric displacement pump based system, ensuring high speed and easy changeover.

- Reading
- Dancing
- Sketching
- Arts & Crafts
- Listening Music

INTERNSHIPS

UNITECH TRANSFER
May – Jun '16

TRAININGS & WORKSHOPS

ADVANCED INDUSTRIAL ROBOTICS, INTECHO'15
25-26 Jan '15

PUBLICATIONS

An approach to design a low power high speed full adder circuit based on logical effort in IEEE Transactions on VLSI Systems. (communicated)

ADDITIONAL ACTIVITIES

SEP' 19
Volunteered in Convocation 2019 in NIT Meghalaya.
JUN' 16
Presented a paper – 'Crystal Growth of Alloy Semi-Conductor under Microgravity' in Indian Space Research Organization, 'ISRO'.
MAR '16
Presented a paper – 'Achieving Maximum Power Transfer in a Multisource Renewable System' in SPARX at Sree Venkateshwara University
MAR '16
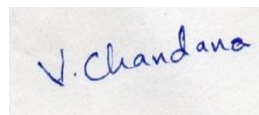Presented a paper – 'Micro-Electronic pills' in AIM at SVEC
APR '15
Participated – 'Circuitrix' in AIM at SVEC
OCT' 14
Organizer – National Level Techno-Cultural Fest "Mohana Mantra" SVEC Tirupati

DECLARATION

I hereby declare that all the information presented above is correct and genuine up to my knowledge.

V. Chandana

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(V. Chandana)