VIKESH

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EDUCATION

INDIAN INSTITUTE OF TECHNOLOGY,PATNA
B.Tech IN Electrical Engineering
Expected May, 2016
CPI:7.98 (Over 6 Semesters)

RAJASTHAN PUBLIC SCHOOL
Grad. May, 2011| Bissau, India
Senior Secondary School Examination (Rajasthan Board Of Secondary Education)
AGGREGATE: 92.15%

RAJASTHAN PUBLIC SCHOOL
Grad.July,2009| Bissau, India
Secondary School Examination (Rajasthan Board Of Secondary Education)
AGGREGATE: 96.17%

COURSEWORK

UNDERGRADUATE
Analog Integrated Circuits
Object oriented Programming and Data Structure
Semiconductor Devices and Circuits
Digital Circuits and Microprocessor
Electrical Machines
Electrical Power Systems
Introduction to VLSI Design
Control Systems
Signal, System and Networks

SKILLS

PROGRAMMING
Java • C • Verilog HDL

MATHEMATICAL TOOLS
Matlab

DESIGN TOOLS
Advance Design System(ADS)
Eagle(PCB Design Software)

TOPIC OF INTEREST
Electrical Electronics circuit Design•
Digital circuit design• Power system •
Electrical Machinery

PROJECTS

SMART PARKING SYSTEM(SPS)
May-July2015 | INTERNSHIP PROJECT | Under Masamb Electronics System Pvt Ltd,Noida
- Smart Parking System (SPS) is proposed to assist drivers to find vacant spaces in a car park in a shorter time.
- This system uses ultrasonic (ultrasound) sensors to detect car park occupancy.
- Features of SPS include vacant parking space detection, display of available parking space using android app in mobiles.

SINUSOIDAL OSCILLATOR
Jan-April 2015 | Academic project | Under Dr. Yatendra Kumar Singh (Asst. Professor, Electrical Engineering IIT Patna)
- Designed a Sinusoidal Oscillator using Colpitts Oscillator.
- Simulation of the circuit using ADS and then implemented on PCB using Eagle software.

PCB DESIGN OF BPSK MODULATOR AND DEMODULATOR
Academic project | Under Dr. Sumnta Gupta (Asst. Professor, Electrical Engineering IIT Patna)

LINE FOLLOWER WITHOUT USING MICROCONTROLLER
- Design of a Line Follower robot using comparator and basic lumped elements.

AWARDS
- 15/08/2009,Third prize from Honorable Mr. Shailendra Kumar Singh, Former Governor of Rajasthan for securing third Position in Secondary School Examination.
- 11/02/2011,Silver Medal from Board of Secondary Education, Rajasthan for securing third position in Secondary School Examination.
- 2006-2007,First prize from Honorable Mr. Ghanshyam Tiwari, Former Education Minister of Rajasthan for Essay writting at State level.
- 2013-2014,Second prize in Circuit Design competition in Celesta at IIT Patna.

EXTRACURRICULAR ACTIVITIES
- Participated in Japan-East Asia Network of Exchange for Student and Youths (JENESYS) Programme from 2010/06/16 to 2010/06/25.
- Participated in Dramas at college level and School level.
- Member of Bhakti-Vedanta Club IIT Patna.