Rinku Meena

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Education

- **Indian Institute of Technology, Patna** — Patna, India
  Bachelor of Technology, Department of Electrical Engineering — 2012 – present
  CGPA: 6.25/10 (after 6 semesters)
- **KVM Sikar** — Rajasthan, India
  Class XII, Rajasthan Board of Secondary Education — 2012
  Performance: 77.80%
- **Saraswati Secondary School, Padampura** — Karauli, Rajasthan, India
  Class X, Rajasthan Board of Secondary Education — 2010
  Performance: 77.67%

Relevant Courses

Semiconductor Devices and Circuits, Digital Circuits and Microprocessor, Signal, System and Networks, Analog Integrated Circuits, Principal of Communication, Introduction to VLSI Design, Digital Signal Processing, Control Systems, Electronic Instrumentation,Electrical Machines,Power System,Embedded System

Practical Proficiency

Digital Circuits Laboratory, Analog Circuits Laboratory, VLSI Laboratory, Communication Laboratory, Instrumentation and Control Lab,Electrical machines,Embedded System

Projects

Title: ***Training at Airport Authority of India*** — Summer 2015
New Delhi — (Term Project)
Company: Airport Authority of India

- Analyzed the working of various machines involved in the AAI.

Title: ***Moving Object Detection*** — August 2014 - Present
Indian Institute of Technology Patna — (Term Project)
Guide: Maheshkumar H. Kolekar

- Designing algorithm for detecting a specific object based on finding point correspondences between the reference and the target image. It can detect objects despite a scale change or in-plane rotation. It is also robust to small amount of out-of-plane rotation and occlusion.

Title: ***Heart Beat Sensor*** — January 2014 - Present
Indian Institute of Technology Patna — (Term Project)
Guide:Dr. Sudhan Majhi

- To sense and count heartbeats by exploiting the fact that tiny subcutaneous blood vessels in any patch of skin furnished with a good blood supply, alternatively expand and contract in time with heartbeat. This rhythmic change can be sensed with an ordinary infrared LED/Photoresistor as small but detectable variations in skin contrast.

Skills

- Programming Languages: C , JAVA.
- Proficient in MATLAB and Simulink and PLC programming.
- Proficient in VERILOG programming.
- Hands on PCB design.

Awards and Achievements

- Won third prize in **Intach Heritage Quiz 2014-15**, a Quiz competition organized at IIT Patna in January 2015.
- Scored **100%** marks in Maths in class XII (RBSE) Examination, 2012

Extra-Curricular Activities

- Part of Athletics team of IIT Patna.
- Part of Cricket team of IIT Patna.