K.B.SAI KIRAN

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Education

S .no	Qualification	University/Board	Institution	YEAR	CPI / %
1	B.Tech in Electrical Engineering	Indian Institute of Technology, Patna.	Indian Institute of Technology, Patna.	2012-present	7.88/10(over 6 semesters)
2	Higher Secondary education	Board of Intermediate education,Andhra Pradesh.	Sri chaitanya junior college, Visakhapatnam.	2009-2011	93.4%
3	Secondary education	Board of Secondary education,Andhra Pradesh.	Bhashyam Public school, Srikakulam.	2009	94%

Technical Experience

Projects

- **Wireless Power Transmission**   **(May 2014 – April 2015)**
  - Used **Resonant Inductive coupling Technology** for WPT.
  - Increased **efficiency** of power transmission.
  - Buildt a **prototype** using coils ,resistors ,LED and capacitors for tuning the coil frequency
- **Scream and Gunshot Detection in Noisy Environments**   **(August 2014 – April 2015)**
  - Used **Matlab** for detecting the features of audio signal.
- **Smart Parking System**   **(May 2015 – July 2015)**
  - Buildt a **prototype** using Microprocessors ,sensors ,bluetoothmodules ,etc for detecting vehicles.
  - Used an Android App to detect the presence of vacant spots in Parking area.

Publications

- **Conference Paper**
  - Sai Kiran, K.B.; Brahma, S.; Parida, S.K.; Behera, R.K., "**Analysis of inductive resonant coupled WPT system using Reflected Load Theory**," *Power Electronics, Drives and Energy Systems (PEDES), 2014 IEEE International Conference on* ,vol.,no.pp.1,6,16-19Dec.2014.

Awards

- **First Prize, Farrago (circuit design contest):** Awarded First prize in circuit design contest in Celesta (Technical Fest of IIT Patna) 2013.
- **First Prize, Electroquiz:** Awarded First prize in electroquiz in Celesta 2012 and Celesta 2013.

Languages

- C; Java; Matlab; Verilog HDL;Test bench writing;Aurdino.

Extracurricular activities

- Skit performance in Janmashtami celebrations of IIT Patna .
- Organised Technical Events in Anwesha.(Techno cultural Fest of IIT Patna)