



भारतीय प्रौद्योगिकी संस्थान पटना
Indian Institute of Technology Patna

MADANMOHAN BAIRWA

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Educational Qualification

- B. Tech. Electrical Engineering
CPI (after fourth semester) : 7.01 IIT Patna
- AISSCE (CBSE 12th board) : 87.40% (PCM – 87.66%) Jawahar Navodaya Vidyalaya
Kottayam, Kerala
- AISSE (CBSE 10th board) : CGPA – 9.8 Jawahar Navodaya Vidyalaya
Karauli, Rajasthan

Achievements

- Secured 4th position in the Hydraulic Arm Competition organized by Mechanical Department of IIT Patna in 2013.
- Secured 1st position in the NFS-Most Wanted gaming event in Anwesha 2015 (Annual Techno-Management Fest of IIT Patna)

Field Of Interest

- Control System
- Digital Signal Processing
- VLSI

Languages and Technologies

- C, Java, Verilog, Assembly Language, PLC
- **Software Skills:** MATLAB, AutoCad, PSPICE, XILINX ISE Design

Responsibilities

- An active member of “**Bhakti-vedanta Club, IIT Patna**”.
- **Volunteer** for Security during “**Anwasha - 2014**” (cultural fest,IIT Patna) .

Relevant Courses

Computer Science: Introduction to Computing, Data Structures and Algorithms, Object Oriented Programming.

- **Electrical Engineering:** Electrical Sciences, Semiconductor Devices and Circuits, Digital Circuits and Microprocessor, Signal, System & Networks, Analog Integrated Circuits, Principles of Communication, Electrical Machines, Introduction to VLSI Design, Digital Signal Processing, Electrical Power Systems, Control Systems, Electronic Instrumentation,
- **Mathematics:** Calculus, Linear Algebra and Ordinary Differential Equations, Complex Analysis and Partial Differential Equation, Numerical Methods for solving Partial Differential Equation, Real Analysis.
- **Computer Science:** Introduction to Computing, Data Structures and Algorithms, Object Oriented Programming.
- **Open Electives:** Introductory sociology, Introduction to Numerical Methods, Introduction to linguistic
- **Electrical Laboratories:** Basic Electronics Laboratory, Digital Circuits Laboratory, Analog Circuits Laboratory, Electrical Machines Laboratory, VLSI Laboratory, Communication Laboratory, Instrumentation and Control Lab