

# PULKIT KUMAR | 07EE1009

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## EDUCATION

Program	Institution	%/CGPA	Completion
B Tech in Electrical Engineering	IIT Kharagpur	7.37	2011
XII(CBSE)	Agra Public School, Agra	89.8	2007
X(CBSE)	Agra Public School, Agra	83.4	2005

## ACADEMIC ACHIEVEMENTS

- All India Rank **454** in IITJEE 2007 out of 250,000 candidates.
- All India Rank **1192** in AIEEE 2007 out of 600,000 candidates.
- Selected in 2<sup>nd</sup> level of National Physics Olympiad and National Chemistry Olympiad in 2007.

## PROJECTS

- Energy Efficient measures in small part of the academic complex (B.Tech Project) (2010-ongoing)
  - To change the present lighting system of library to LEDs and motion sensors.
  - To design a control circuit of led and motion sensors with proper specifications for library also reducing the payback time.
- Fabricating Constant Phase Element and using it in Wien Bridge Oscillator (May to July 2009)
  - Project included the CPE modeling and designing 2 identical CPE so that they can replace the identical resistors and capacitors in Wien Bridge Oscillator
  - This resulted in almost theoretical results even at higher frequencies.

## RELEVANT COURSES

- Probability and Stochastic Processes.
- Finite Automata and Formal Languages

## INTERNSHIP

- Controls & Switchgear Electric Ltd, Noida (May to July 2010)
  - Learnt the fabrication process and assembly of contactors, relays and starters.
  - Learnt the working of contactors, relays and starters.
  - Reducing the power dissipation in Contactor coils by 38% using Two Parallel Coils Electronic model.

## POSITIONS OF RESPONSIBILITY

- General Secretary, Sports Meghnad Saha Hall of Residence (2009-10)
  - Secured more than **double** the previous year's score in General Championship, Sports.
  - Led the Hall to **2<sup>nd</sup> position** in General Championship, Sports from **6<sup>th</sup> position** in previous year.
  - Managed 7 secretaries and a budget of INR 1.15 Lakh.
- Captain, Bridge Meghnad Saha Hall of Residence (2009-10)
  - Conducted workshop in hall to motivate participation.
  - Led the team to **Gold**.
- Advisor, Sports Meghnad Saha Hall of Residence (2010-11)
  - Tenure in progress.
- Secretary, Aquatics and Gymnasium Meghnad Saha Hall of Residence (2008-09)
  - Elected as Secretary, Aquatics and Gymnasium from 176 students of MS Hall.

## EXTRA-CURRICULAR/CO-CURRICULAR ACTIVITIES

- Represented IIT Kharagpur in '**Shaurya 2009**', Inter-collegiate Sports Meet in Cricket.
- Part of Inter Hall **Gold** Winning Bridge team (2009-2010).
- Part of Inter Hall **Silver** Winning Table Tennis team (2009-10).
- Part of Inter Hall **Bronze** Winning Cricket team (2009-10).
- Part of Inter Hall Choreography team (2008-09).