

Saksham Gupta

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EDUCATIONAL QUALIFICATIONS

Degree	School/College	University/Board	Year	Stream/Subjects	Score/CGPA
B.E (Pursuing)	Netaji Subhas Institute of Technology	Delhi University	2014-2018	Electronics & Communication	77.5 %
Class 12	Bal Bharati Public School, Dwarka	CBSE	2014	Science (Non-medical)	96 %
Class 10			2012		10

TECHNICAL SKILLS

- PCB fabrication using toner transfer method
- Software: **Virtuoso, Eldo simulator, Ezwave**, Eagle CAD, PSPICE
- Hardware description languages: VHDL(Basic), Verilog(Intermediate)
- Programming languages : C/C++(Intermediate)

PROJECTS AND TRAINING

- **Projects:**
 - **Illuminance rise time calculator:** Intel's 8085 based calculator to calculate the time taken for an incandescent bulb to rise from 10% to 90% of its full illuminance (April 2017)
 - **LED birthday candles:** Arduino based hygienic alternative to conventional candles where LEDs arranged in a matrix arrangement produce a flickering effect like the flame of a candle (March 2017)
 - **Battery less persistence of vision:** With faraday generator at its heart, prints text with the help of just 8 LEDs using persistence of vision (Oct. 2016)
 - **Linear power supply** using IC LM723 as linear regulator with variable output voltage varying from 3V-11V and max. output current of 500mA with short circuit protection (Dec. 2015)
- **Training & Workshops:**
 - **ST Microelectronics:** Learnt about MOS Device and started working on the project 'Design of low power CMOS crystal oscillator' under the guidance of Prof. Raj Senani (Jun'17-Jul'17)
 - **Arduino workshop:** Basics of embedded systems, hardware aspects of Arduino, Arduino programming using Arduino IDE (March 2016)
 - Power supply designing, basics of Eagle CAD, PCB fabrication during winter training at NSIT mentored by Prof. Dhananjay V. Gadre (Dec. 2015)
 - Mentored participants in fabricating a CPO (Code Practice Oscillator) using 555 IC in astable mode during PCB fabrication workshop held at Thapar University (Oct. 2015)

CO-CURRICULAR ACTIVITIES

- Worked in the electrical team of NSIT SOLAR CAR CONCEPT (Feb. 2017)
- Assisted in the logistics of NSIT's techno-managerial fest INNOVISION (March 2015)
- Member of the organising committee of NSIT MUN in the debating festival Colloquium (April 2015)

INTERESTS

- I play synthesizer in my free time
- I like to do adventurous activities like trekking, river crossing, rope climbing and rafting

VOLUNTEERING AND SOCIAL

- Was a member of **Rotaract Club of NSIT Regency**, organised events like 'sandwich making', 'diya sale' and 'masoom duniya' for the aid of under privileged (2015 -2016)
- Attended the Happiness, DSN and Advanced Meditation Program of **The Art Of Living** and actively volunteer for the same (2015 - Present)