

**CHITKARA INSTITUTE OF ENGINEERING AND TECHNOLOGY**

Saloni Mahajan

#1455/1, B Tank

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**EDUCATION:**

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| --- | --- | --- | --- | --- |
| **Qualification/Degree** | **School/College** | **University or Board** | **Percentage** | **Year Of Passing** |
| B.E. (ECE) | Chitkara Institute of Engg. & Tech. | CIETU | CGPA 7.34 | 2016 |
| Class XII | Sri Aurobindo International School | C.B.S.E | 69.4 | 2012 |
| Class X | Sri Aurobindo International School | C.B.S.E | 89.3 | 2010 |

**TECHNICAL QUALIFICATIONS:**

* **Programming language:** C, C++
* **Platforms:** 8051, 8085
* **Simulation Tools:** 8051 simulator, Multisim, Tina pro, Labview, Matlab.
* **Designing Tools:** Virtuoso (Cadence), Cisco Packet Tracer, RSlogix 500, RSview 32 works , AVR studio
* **Operating Systems:** Windows(98/XP/7/8.1), Ubuntu.
* **Linguistic Skills:** English, Hindi, Punjabi
* **Team Work**

**PROJECTS & TRAININGS:**

 6 weeks training on "**Cisco certified Network Associate**" from Netmax **,**Patiala

PROJECT -Network Address translation (NAT) Project was made using cisco

packet tracer.

 **Multiple Generator Project**

This multiple generator project is made using 5 strong neodymium magnets, 5 Insulated thin copper wire coils with 1000 turns and 5 LEDs.5 modules are placed with each coil attached to one LED on a wooden base. In the center is a vertical pivot. A CD with 5 strong a magnets can spin on this pivot. The gap between the magnets and the coils is about 2-3mm. As we rotate the CD the moving magnetic field creates an EMF and all the LEDs light up brightly.

 **Mobile Controlled Robot Using DTMF Technology**

.The robot is controlled by a mobile phone that calls the other mobile phone attached to the robot. If any button is pressed, the tone corresponding to the button pressed is heard at the other end. This tone is called Dual Tone Multi Frequency tone(DTMF).Using DTMF code, direction of motion of therobot can be controlled by mobile phone.The robot can be used for military purpose as ‘bomb detector’ and as ‘spy robot’ and also for surveillance.

**Face Detection System**

The project based on face detection system was made using NI Vision Assitant software

**ACHIEVEMENTS:**

* Secured ‘A+’ grade in Industry Oriented Hands-on Training(IOHT) held at Chitkara University, Punjab.

**CO-CURRICULAR ACTIVITIES:**

* Participated in **Young manch** singing competition organised by videocon.
* Participated and volunteered **at IYF (INTERNATIONAL YOUTH FESTIVAL) WORLD YOUTH CAMP, INDIA** on 20th -23rd October 2013.
* Participated in Texas instruments innovation challenge – india analog design Contest 2014 ,held at chitkara university ,Punjab during September 30-october 18,2013.
* Participated in Laughter Challenge Competition in **EXPLORE FEST** organised by **CHITKARA UNIVERSITY**

**INTEREST & HOBBIES:**

* Mimicry
* Singing
* Going to gym
* Cooking

**SOCIETIES:**

* EBUZZ
* ISTE (2013 TO 2017) Membership no. 2236
* IETE (25/10/2013 TO 24/10/2016) Membership no. FG-A79897

**DECLARATION:**

I hereby declare that the above information is true to the best of my knowledge.

DATE:

PLACE: CHITKARA UNIVERSITY(PUNJAB) **(SALONI MAHAJAN)**