

**SUDESH SINGHAL**

B. Tech. (Hons.)  
 Electronics and Communication Engineering  
 The LNM Institute of Information Technology (Deemed University)  
 Jaipur, Rajasthan  
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**OBJECTIVE**

I wish to be a part of an esteemed organization which provides me with ample opportunities to hone my technical acumen, besides making use of my managerial and organizational skills as a contributive factor for the growth of the organization and for my own development as an individual.

**ACADEMIC QUALIFICATION**

|   |  |                      |
|---|--|----------------------|
| B. Tech. (Hons.), (2008-12)                         |  |                      |
| Electronics and Communication Engineering           | The LNMIIT (Deemed University), Jaipur | <b>CPI - 8.42/10</b> |
| 12 <sup>th</sup> , Rajasthan State Board, (2006-07) | Govt. Patel Sr. Sec. school, Beawar    | <b>86.31%</b>        |
| 10 <sup>th</sup> , Rajasthan State Board, (2004-05) | A.V.M. Sec. School, Beawar             | <b>85.17%</b>        |

**MAJOR COURSES UNDERTAKEN**

| <b>Electronic/ Electronics and Communication</b>  | <b>Computer Science</b>   | <b>Mathematics/ Other Courses</b>   |
|---|---|---|
| <ul style="list-style-type: none"> <li>▪ Circuit analysis and Synthesis</li> <li>▪ Analog Devices</li> <li>▪ Electromagnetic Engineering</li> <li>▪ Microprocessor and Interfaces</li> <li>▪ Analog Communication</li> <li>▪ Signals &amp; Systems</li> <li>▪ Digital Circuits</li> <li>▪ Digital Communication</li> <li>▪ Digital Signal Processing</li> <li>▪ Mobile Communication</li> <li>▪ Nano Science and Technology</li> <li>▪ Microwave antennas &amp; Circuits</li> <li>▪ Semiconductor Devices and Circuits</li> <li>▪ VLSI</li> </ul> | <ul style="list-style-type: none"> <li>▪ C Programming</li> <li>▪ Data Structures &amp; Algorithm</li> <li>▪ Computer Networking</li> <li>▪ Structured Computer Organization</li> <li>▪ Data Base Management System</li> <li>▪ IT Workshop</li> </ul> | <ul style="list-style-type: none"> <li>▪ Probability and Stochastic Processes</li> <li>▪ Differential Equations</li> <li>▪ Complex Analysis &amp; Graph Theory</li> <li>▪ Calculus</li> <li>▪ Quantum Physics</li> <li>▪ English</li> <li>▪ Electrodynamics</li> <li>▪ Mechanics &amp; Thermodynamics</li> <li>▪ Environment and Ecology</li> <li>▪ Organizational Behavior</li> <li>▪ Human Values and Ethics</li> <li>▪ French</li> <li>▪ Psychology &amp; It's Applications</li> <li>▪ Laser optics and Communication</li> <li>▪ Bio-Medical Engineering</li> <li>▪ Logic</li> </ul> |

**INTERNSHIPS**

- Undergone Summer Internship at **Ni2 Designs Pvt. Ltd., Pune** (22<sup>nd</sup> May to 22<sup>nd</sup> July 2010). I worked on FPAA and Techniques of Sine Wave Generation
- Undergone summer training at **Shree Cement Ltd., Beawar** during summer 2009 (June 15<sup>th</sup> to July 22<sup>nd</sup>), where I was trained under the chief engineer in the company's Central Control Room (CCR)
- Undergone one month training on **Microcontrollers** (8051-family) in winter '08 at LNMIIT

## SOFTWARE SKILLS

- *Languages:* C, Assembly coding for Microcontroller, Basics of Matlab, Basics of Java
- *Platforms:* Linux, Windows 7/XP, Vista
- *Micro-controller Programming Software:* Top view
- *Electronic Circuit Simulation Packages:* Multisim, Proteus, Xilinx
- *PCB designing software:* Dip trace

## PROJECTS

- **B. Tech. Project** –Performance comparison and analysis of SRAM cell for high speed portable devices in 65nm and 90 nm Technologies
- **Electronic voting machine** using Microcontrollers (duration 4 Weeks)
- **Keypad based door locking system with LCD interfacing** using microcontroller(duration 4 Weeks)
- Automatic car parking system using Microcontrollers. (duration 3Weeks)
- **Robot for Robo-war** Competition in Vivacity-2010
- **Robot for Robo-Race** Competition in Technomania-2011
- Automatic cinema hall system. (duration 2Weeks)
- **Autonomous line follower** robot. (duration 1 Week)
- Buzzer system for quiz. (duration 1 Week)

## TERM PAPER

- A Novel Handover Scheme with Relay Technique in GSM-R Network

## TECHNICAL ACTIVITIES AND ACHIEVEMENTS

- *Teaching Assistant* in “Basic Electronics Laboratory” course (January’2010-April’2010)
- *First position* in Eureka (*Micro-Controller Programming Contest*) in Technomania-2010(Intra-College Tech. Fest of LNMIIT)
- *First position* in *Wire-Junkies* (Circuit Designing Contest) in *Technomania-2010*.
- *First position* in intra-college *circuit designing competition-2010* in LNMIIT
- *Second position* in intra-college *circuit simulation competition-2009* in LNMIIT
- *First prize* in *microcontroller camp-2008* (in which we made *Electronic voting machine*)

## POSITIONS OF RESPONSIBILITY HELD

- **General Secretary of Science and Tech. Council of Student Gymkhana** of LNMIIT (March’11-May’12 )
- **Convener of Techno management Fest** of LNMIIT “PLINTH-2011” (21<sup>st</sup> Oct.-23<sup>rd</sup> Oct. 2011)
- **Coordinator of Phoenix club** (Electronic and Robotics club of LNMIIT) during July’10-Aug.’10
- **Incharge of Hospitality department** in VIVACITY-2010
- Event Organiser of Phoenix club during Sept.’10-Dec.’10
- Member of Science and Tech. Council (March 2010 – March 2011) of LNMIIT
- Member of Cybros Club (Computer Club of LNMIIT)
- Member of Sankalp group. (Social Welfare Organization of LNMIIT)

## DECLARATION

I hereby declare that the above-mentioned information is correct up to my knowledge.