

GURPREET .S. LAMBA

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Statement of Purpose

I aspire for a creative and challenging internship/project where I can exercise my Engineering and interpersonal skills and that give an opportunity to Learn new things and explore future career possibilities.

Area of Interest

Wireless communication (Analog & digital)
Signals and Systems.
Mobile technology.
Robotics.
Knowledge management via concept mapping.

Personal Information

Junior Undergraduate Engineer,
Hall 1,
LNMIIT,
Laxmi Niwas Mittal Institute of Information & Technology.
Deemed university
(Runs in communion with IIT-Kanpur)
Rupa Ki Nagal ,
Jaipur(Raj.) (303012)
INDIA.

Education and Training

These Are My Educational Qualification till the End of Third Semester.

<u>Certificate</u>	<u>Instituion</u>	<u>CPI/10</u>	<u>Year</u>
3 rd sem	LNMIIT	8.95	2007
2 nd sem	LNMIIT	9.04	2006
1 st sem	LNMIIT	8.32	2006
AISSCE(12 th)	Instrumentation Limited.	78.5%	2003-2004
AISSCE(10 th)	St Paul's senior secondary school KOTA(Raj).	83.2%	2000-2001

Projects Undertaken

Constructed a **line following Micro Mouse**. The 3 wheeled line tracking mouse is Micro Processor controlled and chases a guiding black line using an IR sensor.

***Designing a Function Generator** for being used in basic courses at the undergraduate level (in first four seems namely) under **Prof R Sharan**.

Designing a Power Supply for being used in the lab at undergraduate level.

***Designing a DBMS** project using Php and Sql .

Designed and developed 8085 microprocessor interpreter to carry out basic arithmetic functions (consisting of looping and logical decisions) at the machine level.

Designed a scientific calculator based on binary tree algorithm using C language.

***Designing a concept map** to relate different courses of computer science and communication engineering to help reviewing existing syllabus of the university.

(* Projects under pipeline)

Relevant Course Highlight

Professional Courses

- Computer Programming C and Java.
- Computer Organization.
- Algorithms and Data Structure.
- *Data Base Management System.
- *Discrete Mathematics and Graph Theory.
- Digital electronics.
- *Digital and Analog Communication.
- Vector Algebra and Calculus.
- Analog Electronics.
- *Signals and systems.

Introductory Courses

- Communicative English.
- Material Science.
- Electrical Systems and Machines.
- *Social Aspect of Management.

(* - to be completed by April 2007)

Technical Proficiency

- Computer Languages of Proficiency - C , Java.
- Software Tools - MULTISIM 0.9, TkGate.
- Operating Systems - Dos , Windows 3.x/9x/NT/XP , Linux.
- Database Tools - MySQL .

Extra Curricular Activities

Vivacity 2006, MEMBER IN COLLEGE PRESENTATION

Won the Gold medal in Football In the Sports meet held during 2006-2007

Sports meet, Won the Silver medal in Cricket In the Sports meet held during 2005-06.

Member of College robotic club.

Managerial Skills

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- V o l u n t e e r a t t h e INTERNATIONAL CONFERENCE ON MATHEMATICAL MODELLING AND COMPUTER SIMULATION 2007 in jaipur.
 - W a s i n v o l v e d a t o r g a n i z a t i o n l e v e l i n t h e c o l l a g e f e s t " V I V A C I T Y " .
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References

Prof Vishwanath Sinha : **Founding Director of the Institute**

DSc. (Electrical Engineering, University of Ljubljana, Slovenia); Professor (IIT Kanpur); Former Deputy Director, Dean, Head Electrical Engineering and Advanced Center for Electronic Systems, at IIT Kanpur; Visiting Professor at Aachen University of Technology (RWTH), Aachen, Germany; Swiss Federal Institute of Technology (EPFL), Lausanne, Switzerland; University of Puerto Rico, Mayaguez Campus, USA; Space Research Institute, Brasil.

Prof Raghuveer Sharan: **Distinguished professor LNMIIT**

Ph. D. (Electrical Engineering, University of Waterloo, Canada), Post – doc at University of Waterloo; Former Professor, Electrical Engineering; Dean, Academic Affairs; Head, Department of Electrical Engineering and Advanced Centre for Electronic Systems, all at IIT Kanpur; Member of PAC (of SERC) of Department of Science and Technology (DST), Founder member and Advisor to Samtel Centre of Display Technologies at IIT Kanpur.

Declaration

I h a r e b y d e c l a r e t h a t a l l t h e i n f o r m a t i o n g i v e n a b o v e i s t r u e t o t h e b e s t o f m y k n o w l e d g e a n d b e l i e f.
