

PIYUSH GAUTAM

B324, LLR Hall, IIT Kharagpur Ph: +91-9932900825, E-mail: piyushgautam123@gmail.com

EDUCATION

Degree/ Certificate	Institute/ School, City	CGPA/%
Class X: Central Board of Secondary Education	Ramakrishna Mission Vidyapith, Deoghar	89.6
Class XII: Central Board of Secondary Education	Ramakrishna Mission Vidyapith, Deoghar	85.4
Dual Degree: Electronics & Elec. Communication Eng.	IIT Kharagpur, India	6.84

ACADEMIC ACHIEVEMENTS

- Secured an **all India rank of 667**(amongst **top 0.23%** of around 300,000 students appeared) in IIT-JEE 2006
- Secured an **all India rank of 14** in the 2nd National Science Olympiad
- Secured a **state rank of 82** in AIEEE (All India Engineering Entrance Examination)-2006

SUMMER INTERNSHIP

MAN Turbo AG, Oberhausen, Germany	Systems Engineering Department	Period: May 09 - Jul 09
<i>Project Title: Calculation and Optimization of transmission loss of a concentric tube resonator muffler.</i>		
<ul style="list-style-type: none">The only undergraduate intern out of 13 interns hired by the organizationDevised a new optimization technique by using Pattern search & Genetic algorithmSubsequently proposed and implemented a superior design, improving the performance by 75%		

RELEVANT COURSES & CERTIFICATIONS

- NSE Certified Market Professional (NCMP)** in Investment Analysis and Portfolio Management, Options trading strategies, Derivatives Market & Currency Derivatives modules
- Probability and Stochastic Processes, Design and analysis of Algorithms, Soft Computing tools in Engineering, Switching & Finite Automata, Digital Signal Processing, Network Theory**

KEY ACADEMIC PROJECTS TAKEN

<i>Project: Prediction of currency crisis using a Neural Network approach.</i>	Period: Feb 09 –Mar 09
<ul style="list-style-type: none">The ANN was trained using macroeconomic data viz. economic reserves, M2/reserve ratio, exchange rate and ExportsThe model could predict with an accuracy of 90%, the past events of Currency Crisis	
<i>Project: Study of co-relation in Enterprise risk management and firm performance.</i>	Period: Jan 10 –Mar 10
<ul style="list-style-type: none">Analysed the merits of Enterprise risk management over a silo based perspectiveFactors like Environmental uncertainty, industry competition, firm size and firm complexity were investigated	
B.Tech. Project	Period: Aug 09 - May 10
<i>Objective: Analysis and optimization of channel thickness of AlGaAs/InGaAs High electron mobility Transistor.</i>	
<ul style="list-style-type: none">Analysed the 3 MBE grown p-HEMT with different channel thickness in ATLAS (silvaco) simulatorSimulation results matched with the fabrication sample data with an accuracy of 95%	

POSITIONS OF RESPONSIBILITY

Position, Organization	Key achievements
FOUNDER & MENTOR, Technology Students' Film Making Society.	<ul style="list-style-type: none">Established IIT Kharagpur's first Film making SocietyMentored 30 freshers, by conducting workshops regarding the various nuances of film making, first of its kind in the college, with an aim of making an indigenous movie
GOVERNOR, Hindi Technology Dramatics Society, Technology Students' Gymkhana (2008-09)	<ul style="list-style-type: none">Rejuvenated a dormant society by motivating and mentoring reluctant members, leading to a four-fold increase in the number of productions per yearFacilitated society's first ever participation in a National level Theatre Festival, winning 3rd best play award subsequentlyAdded a social welfare aspect to the society by conducting street shows on AIDS awareness for the truck drivers at a TATA Motors workshop for the first time
CAPTAIN, Dramatics Team, LLR Hall (2009-10)	<ul style="list-style-type: none">Introduced hall workshops for the first time to improve the stage sense and acting skills of the new members of the teamLed the team to win GOLD in Inter-Hall English Dramatics, SILVER in Inter-Hall Hindi Dramatics & BRONZE in Inter-Hall Bengali Dramatics, all in the same year
CAPTAIN, Literary Team, LLR Hall(2010-11)	<ul style="list-style-type: none">Led the team to bag five positions (1st, 2nd, 4th, 5th, and 7th) in the top ten in Open-IIT Hindi Elocution Competition
CO-ORDINATOR, EVENTS, KSHITIJ'09.	<ul style="list-style-type: none">Responsible for overall management of 4 events with around 800 participants and a budget of ₹ 3.5 lacs (approx)
SECRETARY, Social and Cultural Committee, LLR Hall (2007-2008).	<ul style="list-style-type: none">Responsible for managing participation of hall in all social & cultural General Championship events and their financial aspect with a budget of around ₹ 1 lacCo-ordinated a team of 100 plus people & won BRONZE in the Illumination Competition

EXTRA-CURRICULAR ACTIVITIES

- Voluntary Teacher:** Promoted English literacy at Vivekananda Balkendra, Deoghar (a primary school for poor children) for two consecutive years by implementing innovative teaching methods
- Directed and acted** in the **3rd best play** at the **National Theater Festival**, Hisrionica'09 organized by **SRCC, Delhi University**
- Scripted & directed** to win the **best play award** at Abhivyakti'09 BIT Mesra, Carpedium'10 IIM C & Spring Fest'10 IIT Kharagpur
- Represented LLR Hall of Residence** in the Inter-Hall Ad design competition, Technology General Championship