

# SUBHRO DAS

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## ACADEMIC QUALIFICATION

YEAR	EXAMINATION	INSTITUTE	% / CGPA
2010 (6 <sup>th</sup> Semester)	B.Tech., Electronics & Electrical Comm. Engg.	IIT Kharagpur	8.42/10
2007	Class XII (WBCHSE)	South Point High School Kolkata	92.6%
2005	Class X (WBBSE)	R.K.M Vidyalaya, Narendrapur	96.25%

## ACADEMIC DISTINCTIONS

- **All India Rank 263** (Top 0.1%) in IITJEE 2007 among 243,000 candidates.
- Rank **19** (Top 0.02%) in West Bengal Joint Entrance Examination 2007 among 100,000 candidates.
- Rank **12** (Top 0.002%) in Secondary Examination 2005 in West Bengal among 600,000 candidates.
- Rank **19 & 4** in Regional Mathematics Olympiad (**RMO**) in 2006 & 2007 respectively.
- Qualified for studying in Indian Statistical Institute Calcutta and Chennai Mathematical Institute, 2007.
- Obtained Distinction Certificate in **Australian Mathematics Competition** for the **Westpac Awards**, 2002.

## AWARDS & SCHOLARSHIPS

- Prestigious **Aditya Birla Scholarship**, 2007 [Only 10 students from all IITs & 10 students from all IIMs each year]
- **O.P. Jindal Engineering and Management Scholarship**, 2007 [Only 1 among 850 students from IIT Kharagpur]
- **DAAD** (German Academic Exchange Service) **Scholarship** 2009, for internship at Ulm University, Germany
- **M.P. Birla Scholarship** 2005-07 & **Swami Lokeshwarananda Award** 2005 [Only 1 student in school]

## INTERNSHIPS

**Gwangju Institute of Science & Technology, South Korea** **May'10 – Jul'10**

- Developed & simulated a new mathematical model to analyze finite length network codes on binary erasure channel.
- Journal paper to be published, awarded “Very Good” rating by guide and offered PhD position in his lab.

**Institute of Microelectronics, Ulm University, Germany** **May'09 – Jul'09**

- Demonstrated arbitrary neural stimulation waveforms in GUI for the design of a universal neural prosthetic chip.
- Awarded “Very Good” rating by guide and offered PhD position at Institute of Microelectronics.

**Computer Science & Management Information System, IIM Calcutta** **Nov'08 – Dec'08**

- Devised & implemented multi-layered non-intersecting Steiner Trees (with minimum cost) for VLSI routing.
- The project was funded by Department of Information Technology, Govt. of India.

**Indian Statistical Institute, Kolkata** **May'08 – Jun'08**

- Designed an algorithm to compute the visible region within any polygon after one reflection travelling a fixed path.
- Presented the paper at **Regional Symposium of Mathematics** held at IIT Kharagpur. [Jan, 2010]

## SEMINAR /PRESENTATION

- Represented **IIT Kharagpur** at **Indo-German Winter Academy** organized by the University of Erlangen-Nuremberg and seven IITs' and delivered a lecture on 'Si-Based MEMS Devices and Processing'. [Dec, 2010]
- Presented a talk on 'Vedic Methods of Calculations' in a seminar at Calcutta Mathematical Society. [Sep, 2004]

## POSITIONS OF RESPONSIBILITIES

Organization	Position	Roles and Achievements
DAAD	Young Ambassador 2010-11	<ul style="list-style-type: none"><li>• Promoted opportunities of higher education in Germany</li><li>• Solely organized seminar-cum-workshop for 400 students</li></ul>
Azad Hall of Residence	General Secretary Library	<ul style="list-style-type: none"><li>• Conceptualized and implemented computerized catalogue</li></ul>
	Library Committee Member	<ul style="list-style-type: none"><li>• Administered regular functioning of the Hall Library</li></ul>

## EXTRA-CURRICULAR ACTIVITIES

- Member of NSO Athletics & part of **Silver** winning team in Inter-Hall Athletics Competition [2008]
- Inter-Hall Competitions: **Bronze** in Football, **Silver** in Choreography & **Silver** in Mathematics Olympiad [2009]
- Member of Bengali Technology Dramatics Society & staged six plays till now [2007-10]
- Captain of Maths Olympiad team, Azad Hall of Residence [2010-11]