

DEEPAYAN BHADRA

Male, Indian, 23 years

FD-379/3,

Sector – III,

Salt Lake City,

Kolkata – 700106

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PERSONAL DETAILS

- Father's Name : Sandip Kumar Bhadra
- Date of Birth : 3rd October, 1989
- Languages Known : Bengali, English, Hindi

EDUCATION

M.Tech Aerospace Engineering IIT Bombay

B.Tech Instrumentation and Control Engineering

CGPA : 8.28

National Institute of Technology (NIT) Tiruchirappalli

Semester	I Dec 08	II May 09	III Nov 09	IV May 10	V Nov 10	VI May 11	VII Nov 11	VIII May 12
GPA	8.22	7.57	8.45	8.32	8.62	8.74	8.15	8.33

Class 12 (CISCE)	2008	Don Bosco School, Kolkata	94.75%
Class 10 (CISCE)	2006	Don Bosco School, Kolkata	95.20%

ACADEMIC ACHIEVEMENTS AND CO-CURRICULAR ACTIVITIES

- Presented research paper on Wavelet Transform at IEEE National Conference held in Calcutta, November 2011 (also published as part of conference proceedings)
- Bachelor's thesis project on 'New Approaches in Modeling Railway Crack Quantification System' accepted for publication by Lambert Academic Publishing.
- Secured an All India Rank of **1574** in **National Cyber Olympiad**, 2004.
- Secured 3rd position in BIT Quiz, a competition hosted by the Cyber Space Club of school.

- Secured an All India Rank of 7104 (among the top 0.85% in the country) in All India Engineering Entrance Examination (AIEEE) 2008.
- Secured an All India Rank of 48 (among the top 0.25% in the country) in GATE 2011.

SOFTWARE SKILL SET

- Languages : C,C++, Java, BASIC, MATLAB SIMULINK
- Operating System : Windows
- Packages : MS Office, MATLAB

PROJECT WORK/ TRAINING

- **Project on Helium Liquefier Pressure Control System Design at Variable Energy Cyclotron Center, Kolkata under Dr. Sandip Pal.**

Successfully designed a Helium Liquefier Pressure Control System for the Cryogenic Plant for Superconducting Cyclotron at Variable Energy Cyclotron Center using MATLAB SIMULINK.

- **Project on Wavelet Transform at Indian Institute of Science Education and Research, Kolkata under Dr. Prasanta Panigrahi.**
(December 2010)

Analyzed the rainfall, temperature and tree-ring width data of Perth in Western Australia using MATLAB for possible correlations using the time-frequency localization and multi-scale resolution property of Wavelet Transform.

- **Project on 'Thin Film CIGS (Copper Indium Gallium Selenide) Solar Cells' at Indian Institute of Technology, Kharagpur under Dr. S.K Ray.**
(June-July 2010)

Experimental work on the synthesis of thin film CIGS solar cell using sputtering and chemical deposition and further characterization using Field Emission Scanning Electron Microscopy (FESEM).

EXTRA CURRICULAR ACTIVITIES

Positions of Responsibility:

- **Coordinator** of the **Infotainment team** of Pragyan 2010, the International Techno-Management festival of NIT Trichy, and **Manager** at Pragyan 2011.

- **Manager** of Sensors 2011, the National Level Technical Symposium of the Department of Instrumentation and Control Engineering.

Cultural Activities:

- Member of the 'Manoranjana' team at 'Nittfest 2010', the interdepartmental cultural festival of NIT Trichy.
- Member of the department dance team at 'Horizons 2009', an interdepartmental cultural festival for the 2nd year students, of NIT Trichy.
- **Member of Child Rights and You (CRY) and Leo Club of Rocktown** of NIT Trichy.
- Taught differently-abled students at Prabortok Sangha, a NGO based in Kolkata, for a month during June 2009.

Sports Activities:

- Member of the National Sports Organization (NSO) of NIT Trichy.
- Participated in the Intra-college Badminton Tournament 2008.