

**ABHIJEET DASGUPTA**

**Address:** House No. A-30,  
RWA Sector-46,  
NOIDA, UP-201303  
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+91-9582326511 (New Delhi)  
**abhidasgupta@theiet.org**

**CAREER OBJECTIVE**

To make best use of my technical skills which can be applied in the practical level in the industry and to develop a challenging, innovative and a hard-working environment which will encourage and provide a way for success in future and will impart strength and confidence to work for the betterment of mankind.

**PERSONAL PROFILE**

Name : Abhijeet Dasgupta  
Date of Birth : 27<sup>th</sup> October 1988  
Father's Name : Mr. Ranjan Dasgupta  
Mother's Name : Mrs. Meena Dasgupta  
Sex : Male  
Marital Status : Unmarried  
Languages Known : Bengali, English, Hindi, French (Basic)  
Nationality : Indian

**EDUCATIONAL PROFILE**

S.No.	Name of Examination	Name of Institute	Board/University	Year	Percentage / CGPA
1	<b>M.Tech (Hons.) (Electronics &amp; Communication Engg.)</b>	Amity School of Engineering & Technology, Noida	Amity University Uttar Pradesh, Noida, UP	2011-13	9.21 CGPA
2	<b>B.E (Hons.) (Electronics &amp; Communication)</b>	GGITS, Jabalpur	Rajiv Gandhi Technical University, Bhopal	2006-10	75.94%
3	<b>Higher Secondary Examination- HSC (12th)</b>	Christ Church Boy's Senior Secondary School, Jabalpur	Central Board of Secondary Education (CBSE)	2006	80.80%

4	<b>Senior Secondary Examination –SSC (10th)</b>	Christ Church Boy's Senior Secondary School, Jabalpur	Indian Certificate of Secondary Education (ICSE)	2004	71.80%
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### **EXPERIENCE/TRAINING**

**Dec' 12-June'13**

**National Physical Laboratory**

**New Delhi**

*Role- Project Intern Trainee*

Worked on a funded project titled **“Radiated Power Density Measurement using Antenna Systems at X-Band Frequencies”**. Objective was design and development of bi-axial dipole antenna and measurement of antenna gain by established methods and using the designed antenna for power density measurement at X-band frequencies.

**May' 09-July'09**

**BSNL**

**Jabalpur, M.P**

*Role- Communication Engineering Trainee*

Worked in C-Dot cum Broadband Exchange with an aim of understanding practically how internet and telephone connections are established.

**May' 08**

**BSNL**

**Jabalpur, M.P**

*Role- Communication Engineering Trainee*

Aim was to understand about the mobile connections and its related services. Knowledge about call establishment through MSE & BSE, working of a telephone exchange and various wireless technologies were also imparted.

### **WORKSHOP**

- **“Workshop on ANSYS HFSS software”** by - Mr. Rahul Unni, Technology Specialist, Entuple Technologies, Bangalore
- **“Advances and Future Trends in VLSI Design and Embedded Systems ATVES 2010”** by-All India Council for Technical Education, New Delhi, Department of Science and Technology, New Delhi and Department of ECE, Gyan Ganga Institute of Technology and Sciences, Jabalpur.

### **PROJECTS**

1. Radiated Power Density measurement using antenna systems in X-Band frequencies – in CSIR-National Physical Laboratory, New Delhi as a part of M.Tech Thesis/Dissertation work.
2. A Compact Size Reconfigurable Multiband Dual Patch Micro strip Antenna.
3. Design and Evaluation of a Reconfigurable Antenna Array for MIMO Systems.
4. Planar Antenna designing for millimeter wave wireless communication.

5. Underwater Acoustic Communication Channel: Issues and Solutions.
6. PID Controller designing and simulation using MATLAB.
7. Data Acquisition System using ATmega-32 Microcontroller as a part of B.E dissertation work.

## **PUBLICATIONS**

1. **Abhijeet Dasgupta**, Manisha Mishra, Juhi Priyani, Ankur Gupta; ***“A Probe Fed Multi-Band Reconfigurable Slot Patch Antenna”***; proceedings of 3<sup>rd</sup> National Conference on Electronics, Communication and Signal Processing NECS 2013; ISBN NO: 978-93-82338-71-0
2. Ankur Gupta, **Abhijeet Dasgupta**, Aijaz Ahmed, Manisha Mishra, Juhi Priyani; ***“Generation and Measurement of Standard Electromagnetic Field inside TEM Cell”***; proceedings of 4<sup>th</sup> International Conference on THE NEXT GENERATION INFORMATION TECHNOLOGY SUMMIT, CONFLUENCE 2013; (Accepted)
3. Aijaz Ahmed, **Abhijeet Dasgupta**, M.R Tripathy; ***“A Compact Multiband Reconfigurable Slot Patch MIMO Antenna”***; proceedings of 4<sup>th</sup> International Conference on THE NEXT GENERATION INFORMATION TECHNOLOGY SUMMIT, CONFLUENCE 2013; (Accepted)
4. **Abhijeet Dasgupta**; ***“A Compact Microstrip Patch Antenna for UWB Applications”***; proceedings of National Conference on Trends in Signal Processing and Communication 2013 sponsored by **IEEE**; (Accepted Paper ID: - PP-112)
5. **Abhijeet Dasgupta**, Suchismita Pani, Aijaz Ahmed, MR Tripathy, S.Pandey; ***“A Compact Size Reconfigurable Multiband Dual Patch Microstrip Antenna”***; International Journal of Computer Applications
6. Manisha Mishra, Juhi Priyani, **Abhijeet Dasgupta**; ***“A Compact Size Reconfigurable Antenna for Ultra Wideband Applications”***; IOSR-JECE (Journal of Electronics and Communication Engineering) : ISSN : 2278-2834 Volume 2, Issue 4 (Sep-Oct 2012), PP 42-45
7. Chakraborty Amlan, **Dasgupta Abhijeet**; ***“Effect of Low Power mm wave Irradiation on sedimentation, coagulation and light absorbance of purified Bovine Serum Albumin”***; Helix: ISSN 2277-3495; Vol. 3: 165- 168; July, 2012.
8. **Abhijeet Dasgupta**, Aijaz Ahmed, Juhi Priyani; ***“Planar Antenna Designing for Millimetre Wave Wireless Communications”***; proceedings of National Conferences on ADVANCES IN ENGG. AND TECH., JIGYASA 2012 sponsored by **IEEE**; ISBN 978-1-4682-1561-9
9. Aijaz Ahmed, **Abhijeet Dasgupta**; ***“Parallel Coupled Microstrip Line Band Pass Filter for Wideband Communications”***; proceedings of National Conferences on  
International Journals of Engineering & Sciences IJENS [www.ijens.org](http://www.ijens.org)

ADVANCES IN ENGG. AND TECH., JIGYASA 2012 sponsored by IEEE; ISBN 978-1-4682-1561-9.

### PATENT

**Title:** - A System and a method for label free detection of DNA hybridization

**Date of Filing:** 4th January 2013

**Principal Inventors:** Abhijeet Dasgupta (M.Tech/ASET/Amity University)  
Amlan Chakraborty( B.Tech + M.Tech Dual/ AIB/Amity University)  
Dr. Sitanshu Sekhar Lahiri (Professor Emeritus/AIB/Amity University)

**Patent Filing No:** INDIA 38/DEL/2013

### SCHOLASTIC ACHIEVEMENTS/AWARDS

- Scored an overall band of **7.0** (Listening 7.0, Reading 7.5, Writing 6.5, Speaking 7.0) in the **International English Language Testing System (IELTS)** – **2014** jointly managed by University of Cambridge ESOL Examinations, the British Council, United Kingdom and IDP Education Private Limited, Australia.
- Nominated for the prestigious **Commonwealth Scholarships and Fellowship Plans** 2014 for pursuing doctoral studies in the United Kingdom by Ministry of Human Resource and Development (MHRD), Government of India.
- Recipient of the award “**Excellence in Knowledge Creation**” during M.Tech concluding ceremony from the director, Amity School of Engineering and Technology, Amity University Uttar Pradesh, Noida.
- Presented a paper on MEMS in National Conference titled

“Advances and Future Trends in VLSI Design and Embedded Systems ATVES 2010 ” organized by All India Council for Technical Education, New Delhi, Department of Science and Technology, New Delhi and Department of ECE, Gyan Ganga Institute of Technology and Sciences, Jabalpur.

### MEMBERSHIP OF PROFESSIONAL BODIES

- **Advanced Research in Engineering Sciences (ARES):** *Member of the Editorial Board;* [www.aresjournal.org](http://www.aresjournal.org)
- **The Institution of Engineering and Technology United Kingdom (IET-UK):** *MIET*
- **Fellow of the Optical Society of India (OSI):** *FOSI*
- **Universal Association of Computer and Electronics Engineers, (UACEE):** *MUACEE*
- **International Association of Computer Science and Information Technology, Singapore (IACSIT):** *MIACSIT*
- **International Association of Engineers, Hong Kong (IAENG):** *MIAENG*
- *The IAENG Society of Electrical Engineering*
- *The IAENG Society of Operational Research*
- *The IAENG Society of Wireless Networks*
- *The IAENG Society of Scientific Computing*
- **Engineering Research and Publication** (International Journal of Engineering and Technical Research/ International Journal of Modern Communication Technologies and Research): *Member of the Writer/Reviewer board;* [www.erppublication.org](http://www.erppublication.org)
- **The Society of Digital Information and Wireless Communication (SDIWC):** *MSDIWC*
- **International Journal of Electrical and Computer Engineering (IJECE):** *MIJECE*
- **Computer Engineers Technical Association (CETA):** *MCETA*
- **The British Science Association (BSA):** *MBSA*
- **The Association of Scientists, Engineers and Technologists (ASET):** *MASET*
- **i-Xplore International Research Journal Consortium** (International Journal of IT, Engineering and Applied Sciences Research, IJIEASR and International Journal of Management and Social Sciences Research, IJMSSR): [www.irjournals.org](http://www.irjournals.org)
- **International Association of Academicians and Researchers (INAAR):** *MINAAR*

### SOFTWARE SKILLS

- Software : HFSS, COMSOL, IE-3D, Microwave Office & MATLAB
- Operating System : All editions of Windows
- Proficient in e-mail, Internet Surfing and Microsoft Office.

### AREAS OF INTEREST

- Antenna Designing
- Microwave Engineering
- Computational Electromagnetism
- Optics and Photonics
- Communication Systems and Signal Processing

### KEY STRENGTHS

- Proactive and Adaptive in nature
- Understands the value of responsibility
- Excellent team-work spirit
- Dedicated towards my work

### HOBBIES

- Sketching and Painting
- Reading Horror Books
- Internet Surfing

### REFERENCES

1) **Dr. P. Banerjee (Professor)**,  
Dept. of Electronics & Comm. Engg.,  
Amity School of Eng. & Technology,  
Amity University Uttar Pradesh, Noida (UP) - 201303  
**Email:** pbanerjee@amity.edu

2) **Dr. Satyakesh Dubey (Scientist)**,  
RF Attenuation and Impedance Standards,  
CSIR- National Physical Laboratory,  
Dr. K.S Krishnan Road, New Delhi- 110012  
**Email:** dubeysk@nplindia.org, satyakesh@gmail.com

**Contact:** +91-9899187913 (M), 011-45609313 (O)

**3) Mr. Navdeep Sharma (Visiting Researcher),**

University of London,

Stewart House,

32 Russell Square,

London, United Kingdom (UK)

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**Contact:** +44-07405542582 (M)

**4) Dr. Malay Ranjan Tripathy (Professor),**

Dept. of Electronics & Comm. Engg.,

Amity School of Engg. & Technology,

Amity University Uttar Pradesh, Noida (UP) - 201303

**Email:** mrtripathy@amity.edu

**Contact:-** +91-9868054021 (M), 0120-4392098 (O)

**5) Dr. Garima Wakhle (Associate Professor),**

Dept. of Electronics & Comm. Engg., Amity School

of Engg. & Technology,

Amity University Uttar Pradesh, Noida (UP) - 201303

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**Contact:-** +91-9911239476 (M)

**DECLARATION**

I hereby declare that the information furnished above is true to the best of my knowledge and belief.

**Abhijeet Dasgupta**

Place: NOIDA

Date:

Abhijeet Dasgupta