



Name: Dr. Chandan Kumar Ghosh

Department: ECE

Contact Nos.: 9474646041/7001610799

Qualifications: B. Tech, M. Tech. Ph D(Engineering)

Designation: Professor

Experience (Teaching / Research / Industry, in years):

Industry: 7 Years, Teaching: 21 Years

Date of Joining at the Present Institution: 21 th Aug'2009

Examinations Cleared: NET-CSIR/GATE NA

Qualifications Summary (Reverse chronological order):

| Degree | Institute | From – To | Subjects |
|-------------------|-----------|-----------|-------------------------------|
| Ph D(Engineering) | IEST | 2010-2014 | RF Antenna |
| M. Tech. | B.U. | 2001-2003 | Microwave |
| B.Tech. | C.U. | 1987-1990 | Radiophysics & Electronics |
| B.Sc.(Hons) | C.U. | 1983-1986 | Physics |
| H.S.(10+2) | WBCHSE | 1981-1983 | Pure Science |
| Madhyamik | WBBSE | 1981 | General |

Experience Summary (In chronological order):

| Designation | Organization | Date From | Date To |
|-------------|--------------|-----------|---------|
|-------------|--------------|-----------|---------|

| | | | | |
|----|---|--|------------|------------|
| 1. | Development Engineer | Sonodyne Electronics Co. Pvt. Ltd. | 01.11.1991 | 31.12.1993 |
| | Assistant Manager-R&D | | 01.01.1994 | 31.03.1997 |
| 2. | Engineer (R&D) | Sur Iron & Steel Company Co. Pvt. Ltd. | 01.04.1997 | 30.04.1998 |
| | Assistant Manager-R&D | | 01.05.1998 | 30.11.1999 |
| 3. | Lecturer | Murshidabad college of engineering and Technology | 01.12.1999 | 31.12.2004 |
| | Sr. Lecturer | | 01.01.2005 | 31.03.2006 |
| | Assistant professor & HOD Acted as principal-in-charge for 10 months | | 01.04.2006 | 20.08.2009 |
| 4. | Assistant professor | Dr. B.C. Roy Engineering College, Durgapur | 21.08.09 | 31.05.10 |
| | Associate Professor (acted as HoD (05.01.12-12.06.14)) | | 01.06.10 | 01.09.16 |
| | Professor | | 02.09.16 | continuing |
| | HoD (Research & Development) | | 27.07.19 | till date |

Specialization/Research Interest:

Microwave, RF antenna, wireless Communication

Awards & Recognitions

Best paper/ scholarship/Position in university exam / awards while at industry/ other organizations etc.

Best paper award: ICMARS-2009

Best teacher award: September 8, 2018 from MAKAUT

Courses taught:

B.Tech(Theory): Basic Electronics, Analog Electronics, Power Electronics, Microwave, Circuit theory, EM Theory, Electron Device, Communication (analog & digital) etc.

B.Tech(Practical): Basic Electronics, Analog Electronics, Communication (analog & digital),

Microwave, Electrical Device, EM Theory, Electron Device, Circuit Theory etc

M.Tech: Microwave, Digital communication, EMI/EMC etc

Online Mode of Teaching: Google Form, Zoom etc

Publications:

International Journal: (SCI & SCOPUS)

1. **Chandan Kumar Ghosh**, Arabinda Roy, Susanta Kumar Parui , “Elevated CPW-Fed Slotted Microstrip Antenna for Ultra-Wideband Application” International Journal of Antennas and Propagation, **Hindawi Publishing Corporation, Volume 2012**, Article ID 425919, 8 pages, doi:10.1155/2012/425919 (**SCI Journal**).
2. **Chandan Kumar Ghosh**, Susanta Kumar Parui, “Cross-Polarization Reduction of E-Shaped Microstrip Array using Spiral-Ring Resonator” *Progress In Electromagnetics Research C*, Vol. 38, 217-227, 2013. (**Emerging Source Citation Index**)
3. **Chandan Kumar Ghosh**, Biswarup Rana and Susanta Kumar Parui, “Reduction of Cross-polarization of Slotted Microstrip Antenna Array using Spiral-Ring Resonator,” **Microwave and Optical technology Letter (MOTL), Wiley publication**, Vol.55, issue 9, pp 2083-2088, Sept.2013 (**SCI Journal**).
4. **Chandan Kumar Ghosh**, Susanta Kumar Parui, “Reduction of Mutual Coupling between E-Shaped Microstrip Antenna Array by Using a Simple Microstrip I-Section” **Microwave and Optical technology Letter (MOTL), Wiley publication**, Vol.55, issue 11, pp. 2544-2549, Nov.2013 (**SCI Journal**).
5. **Chandan Kumar Ghosh**, Susanta Kumar Parui, “Reduction of Cross Polar Radiation of a Dual Trace Omni-directional Microstrip Antenna Array by using Dumbbell Shaped Resonator” **Microwave and Optical technology Letter (MOTL), Wiley publication**, DOI 10.1002/mop, Vol. 56, No. 1, pp. 141-145, January 2014 (**SCI Journal**).
6. **Chandan Kumar Ghosh**, Susanta Kumar Parui, “Elimination of Scan Blindness of Microstrip Array by using I-Shaped $\lambda/2$ Resonator” **Microwave and Optical technology Letter (MOTL), Wiley publication** ,Vol. 56, No. 2, pp. 334-337, February 2014 (**SCI Journal**).

7. **Chandan Kumar Ghosh**, Susanta Kumar Parui, “Mutual Coupling Reduction of a Dual Frequency Microstrip Antenna Array by using U-Shaped DGS and Inverted U-Shaped Microstrip Resonator” *Progress In Electromagnetics Research C*, vol.48, pp.61-68,2014. (**Emerging Source Citation Index**)
8. **Chandan Kumar Ghosh**, R.Hazra, A. Biswas, A.K.Bhattachrjee and S.K.Parui, ‘Suppression of Cross-polarization and Mutual Coupling Between Dual Trace Dual Column Co-axial Microstrip array by using Dumbbell Shaped Resonator,” **Microwae and Optical technology Letter (MOTL), Wiley publication**, Vol. 56, No. 9, September 2014 (**SCI Journal**).
9. **Chandan Kumar Ghosh**, Susmita Biswas, Durbadal Mandal, “Study of Scan Blindness of Microstrip Array by using Dumbbell Shaped Split-ring DGS” *Progress In Electromagnetics Research M (PIER M)*, Vol.39, 123-129, 2014.(**Emerging Source Citation Index**)
10. **C. K. Ghosh**, S. Mondal and S. K. Parui, “A Compact Multiband Microstrip Antenna using Complementary Slots on the Ground Plane,” **Microwave and Optical technology Letter (MOTL), Wiley publication**, Vol. 58, No. 1,PP 47-51, January 2016 (**SCI Journal**).
11. **Chandan Kumar Ghosh**, “Harmonics Suppression of Microstrip Antenna by using Open Ended Stubs,” **Microwave and Optical technology Letter (MOTL), Wiley publication**, Vol. 58, No. 6, pp. 1340-1345, DOI 10.1002/mop, June 2016 (**SCI Journal**).
12. **Chandan Kumar Ghosh**, “A Compact 4-channel Microstrip MIMO Antenna with Reduced Mutual Coupling,” **International Journal of Electronics and Communications (Elsevier)**, 70 (2016) 873–879 (**SCI Journal**).
13. **Chandan Kumar Ghosh**, A. Medda, S. Biswas and S. K. Parui, “A Noble UWB Array with Band Notch Characteristics,” **Wireless Personal Communication (Springer)**, DOI 10.1007/s11277-016-3787-6, Vol.90, No.3, Oct’2016 (**SCI Journal**).
14. **Chandan Kumar Ghosh** and Amrita Midda, “Harmonic Suppression of a Dual Polarized Microstrip Array by using Microstrip Stubs, **Journal of Electromagnetic Waves and Applications (Taylor & Frincies)**, Vol . 31, No . 13, pp.1205–1215, 05 Jul 2017 (**SCI Journal**).
15. **Chandan Kumar Ghosh**, “ A Miniaturized CPW-Fed Spiral Ring Resonator Loaded Slot Antenna for Wireless Application,” **Wireless Personal Communication (Springer)**, Vol. 96, No.2, pp. 2503-2512, Septemver 2017 (**SCI Journal**).

16. **Chandan Kumar Ghosh** and Sourav Moitra, “Study of Decoupling between Patch Elements of Microstrip Array using Electromagnetic Soft Surface,” **Journal of Electromagnetic Waves and Applications (Taylor & Frincies)** doi no. <https://doi.org/10.1080/09205071.2018.1424041>, 17 Jan 2018 (**SCI Journal**)
17. Sourav Moitra, Ranjan Dey and **Chandan Kumar Ghosh**, “ Angular Bend Half Mode Substrated Integrated Waveguide (HMSIW) Based Band Pass Filter with Multiple Transmission Zeros,” **Wireless Personal Communication (Springer)**, Doi <https://doi.org/10.1007/s11277-018-6018-5>, Vol.104, No.1, pp. 259–267,2019 (**SCI Journal**).
- 18.Sanjib Bhattacharya, Amartya Acharya, Anindya Sundar Das, Koyel Bhattacharya and **Chandan Kumar Ghosh**, “Lithium ion conductivity in $\text{Li}_2\text{O-P}_2\text{O}_5\text{-ZnO}$ glass-ceramics, *Journal of Alloys and Compounds*, [Volume 786](#), 25 May 2019, Pages 707-716 (**SCI Journal**).
19. Susmita Biswas, **Chandan K. Ghosh**, Santimoy Mandal, Goffar A. Sarkar,Soumen Banerjee and Durbadal Mandal, “Suppression of Higher Order Modes of a Two Element Microstrip Array Using Open-ended Stubs” *Progress In Electromagnetics Research Letter*, Vol.82, pp.121-128,2019. (**Emerging Source Citation Index**)
20. Susmita Biswas, **Chandan Kumar Ghosh**, Soumen Banerjee, Santimoy Mandal & Durbadal Mandal, “High port isolation of a dual polarized microstrip antenna array using DGS, **Journal of Electromagnetic Waves and Applications (Taylor & Francis)**, 34:6, 683-696, 17 March(2020) DOI: 10.1080/09205071.2020.1736647 (**SCI Journal**).
21. Rajasree Hazra, Chandan Kumar Ghosh, “Design of Crescent Shaped 64-Elements Flexible Patch Antenna Array for the Application of Uterine Tumour Detection,” *International Journal of Scientific & Technology Research*, **Volume-9 Issue-3, January 2020, DOI: 10.35940/ijitee.C8651.019320. (SCOPUS)**
22. Rajasree Hazra, Chandan Kumar Ghosh, “Design Of Equilateral Pentagon Shaped 4-Elements Flexible Patch Antenna Array For The Application Of Uterine Tumour Detection,” *International Journal of Scientific & Technology Research*, **Volume-9 Issue-2, January 2020.(SCOPUS)**
23. A. De, C. K. Chosh and A. K Bhattacharjee, “Design and Performance Analysis of Microstrip Patch Array Antennas with different configurations,” *International Journal of Future Generation Communication and Networking*, Vol. 9, No. 3 (2016), pp. 97-110, <http://dx.doi.org/10.14257/ijfgcn.2016.9.3.10>. (**SCOPUS**)

International Journal (Non SCI)

24. **Chandan Kumar Ghosh**, Kamalika Tiwari, Susanta Kumar Parui , “Multiple-input-multiple-output (MIMO) antenna system for wireless communication” International Journal BITM Transaction on EECC, ISSN No. 0974-9527, Vol.1,.No.4,pp- 462-469, Aug.-Dec.’09.
25. **Chandan Kumar Ghosh**, A. Bhomik, S. Moitra , S. Das “Experimental Performance studies of Switched Diversity MIMO Antenna in a Fading Scenario” International Journal of Multi-disciplinary Research and Advance in Engineering (IJMRAE) Ref. No. E/3030330, ISSN No 0975-7074, Vol. 2, No. I, April 2010, pp-395-410.
26. **Chandan Kumar Ghosh**, ²Susanta Kumar Parui , “Design, Analysis and Optimization of A Slotted Microstrip Patch Antenna Array at Frequency 5.25 GHz for WLAN-SDMA System” International Journal on Electrical Engineering and Informatics, Vol. 2, No.2, pp102-112, 2010.
27. **Chandan Kumar Ghosh**, Susanta Kumar Parui , “ Reduction of mutual coupling between Patch using Split-Ring DGS”, International Journal on Electronics and Communication Engineering & Technology. ISSN No.0976-6472(Online), Vol.1 No.1, Sep-Oct(2010), pp 18-24.
28. **Chandan Kumar Ghosh**, Susanta Kumar Parui , “ Design of a compact band pass filter by spur lines loaded by capacitance” International Journal of Microwave and Optical Technology (IJMOT), vol.6, no.3, pp 120-123, May 2011.
29. **Chandan Kumar Ghosh**, Biswarup Rana, Susanta Kumar Parui , “Performance Enhancement of Microstrip Patch Antenna Array with EBG Structure “International Journal of Electronics & Communication Technology(IJECT), Vol. 2, Issue 4, pp 280-283, Oct-Dec.2011.
30. **Chandan Kumar Ghosh**, Biswarup Rana, S.K. Parui, “Design of Triple Frequency Compact Microstrip Patch Antenna Array for MIMO Application” International Journal of Electronics Engineering, Vol.4 (1), 2012, pp. 29– 32.
31. Sourav Moitra, Sayantani Roy, **Chandan Kumar Ghosh**, Susanta Kumar Parui, “A Novel Printed UWB Antenna with Band Rejection Characteristics,” International Journal of Engineering and Innovative Technology (IJEIT) Volume 2, Issue 3, pp. 20-24, September 2012.

32. **Chandan kumar Ghosh**, Subhojit Sinha, Arabinda Roy and Susanta Kumar Parui, “Arrow shaped CPW-FED Slot Antenna for wireless application,” The Bulletin of Engineering & Science ISSN No. : 0974-7176, Vol. 4 No. 1 (special issue), pp 1-4, 2012.
33. **Chandan kumar Ghosh**, Biswarup Rana, Arabinda Roy and Susanta Kumar Parui, “Design of an aperture coupled dual band microstrip antenna,” The Bulletin of Engineering & Science ISSN No. : 0974-7176, Vol. 4 No. 1 (special issue), pp 22-24, 2012.
34. **Chandan Kumar Ghosh**, Arabinda Roy, Susanta Kumar Parui, “Composite Lowpass Filter Realized by Image Parameter Method and Integrated with Defected Ground Structures,” International Journal of Computers and Technology, Vol.4, No.3, pp. 583-591, April 2013.
35. Rajasree Hazra, **Chandan Kumar Ghosh** and S.K. Parui, “Mutual coupling reduction between closely spaced microstrip patch elements using DGS,” Journal of Academia and Industrial Research (JAIR), Volume 2, Issue 2 July 2013, pp. 142-146 ISSN: 2278-5213.
36. Amartya Acharya, Sanjib Bhattacharya, **Chandan Kumar Ghosh**, Koyel Bhattacharya, “ELECTRICAL TRANSPORT OF LI+ ION CONDUCTING GLASSY NANOCOMPOSITES,” BCREC Journal of Science and Transaction, Vol.1, Issue.1, 2020.
37. Anil Chamuah, Sanjib Bhattacharya, **Chandan Kumar Ghosh**, Koyel Bhattacharya, “A REVIEW ON RECENT DEVELOPMENT IN CHALCOGENIDE GLASSES: STRUCTURAL AND ELECTRICAL PROPERTIES,” BCREC Journal of Science and Transaction, Vol.1, Issue.1, 2020.
38. Aditi Sengupta, Sanjib Bhattacharya, Amartya Acharya, **Chandan Kumar Ghosh**, “REVIEW WORK ON VARIOUS GLASS NANO COMPOSITES AND THEIR CRYSTALLINE COUNTERPARTS: ELECTRICAL TRANSPORT PROPERTIES,” BCREC Journal of Science and Transaction, Vol.1, Issue.1, 2020.
39. Rajasree Hazra, **Chandan Kumar Ghosh**, “ANALYSIS THE EFFECT OF CHANGING SUBSTRATE MATERIAL ON THE PERFORMANCE OF COAXIAL FEED MICROSTRIP PATCH ANTENNA ARRAY,” BCREC Journal of Science and Transaction, Vol.1, Issue.1, 2020.
40. Santimoy Mandal, **Chandan Kumar Ghosh**, Swati Bhattacharjee, Rituparna chatterjee, Rohit Chouhan, “DESIGN OF A LOW PROFILE, WIDEBAND DUAL POLARIZED ANTENNA

FOR BASE STATION APPLICATION,” BCREC Journal of Science and Transaction, Vol.1, Issue.1, 2020.

International Conference

1. **Chandan Kumar Ghosh**, Susanta Kumar Parui “Design of Triple Frequency Compact Microstrip Patch Antenna Array for MIMO Application” IEEE Applied Electromagnetics Conference, Dec.14-16 2009, IEEE catalog no.CFP0971D-CDR, ISBN: No. 978-1-4244-4819-7, Library of Congress: 2009905498, Hyatt Regency, Kolkata, India

2. **Chandan Kumar Ghosh**, Susanta Kumar Parui , “Design of a Diversity Antenna for WLAN-MIMO Application”^{5th} International Conference on Microwaves, Antenna, Propagation & Remote Sensing” “*ICMARS-2009*”vol.1, pp 8-11, 19th to 21st Dec. 2009, International Centre for Radio Science (ICRS),Jodhpur, Rajasthan,India

3. **Chandan Kumar Ghosh**, Susanta Kumar Parui , Mrinmoy Chakraborty “A Switched Diversity Microstrip Patch Antenna for Dual-Frequency Operation”^{5th} International Conference on Microwaves, Antenna, Propagation & Remote Sensing” “*ICMARS-2009*”, vol.1, pp 64-67, 19th to 21st Dec. 2009, International Centre for Radio Science (ICRS),Jodhpur, Rajasthan,India

4. **Chandan Kumar Ghosh**, Susanta Kumar Parui , “Design and study of a 2x2 Microstrip patch Antenna Array for WLAN/MIMO Application” International Conference on Emerging trends in Electronic and Photonic Devices & Systems, ELECTRO-2009, Mcmilan seris, pp 289-292,December 22-24, 2009, Dept. of Electronics Engineering, Institute of Technology, BHU,Varanasi (U.P),India.

5. **Chandan Kumar Ghosh**, Sanchita Datta , Ankita Mitra, Susanta Kumar Parui “Performance Studies of Microstrip Patch Antenna with EBG Structure at the Ground Plane” IEEE CASCOM postgraduate student paper conference 2010, Jadavpur University, Kolkata.

6. **Chandan Kumar Ghosh**, Sabyasachi Guha Souvik Sarkar, Ankita Mitra Susanta Kumar Parui “Radiation and Isolation Characteristics of Array Elements with and without EBG Structure at the Ground Plane for Low Profile Printed Antenna”^{6th} International Conference on Microwaves, Antenna, Propagation & Remote Sensing” “*ICMARS-2010*, Jodhpur, Rajasthan.

7. **Chandan Kumar Ghosh**, Sanchita datta Susanta Kumar Parui “Design and Analysis of a Compact Reconfigurable Microstrip patch antenna for Dual frequency Operation,” 6th International Conference on Microwaves, Antenna, Propagation & Remote Sensing” “ICMARS-2010, Jodhpur, Rajasthan.
8. **Chandan Kumar Ghosh**, Susanta Kumar Parui , “ Reduction of mutual coupling between Patch using DGS”, 2010 Annual IEEE India Conference – (INDICON 2010), Jadavpur University, Kolkata.
9. Sourav Moitra, Sayantani Roy, **Chandan Kumar Ghosh**, Susanta Kumar Parui, “Novel DMS based UWB Antenna with band rejection characteristics,” IEEE International Conference on Communication and Industrial Application (ICCIA-2011), Dec 26-28, 2011, Narula Institute of Technology, Kol-700109, India.
10. **Chandan Kumar Ghosh**, Sourav Moitra, Jhuma Kundu, A. K Mukhapadhyaya, S. K. Parui, “Design of a Dual Polarized Rectangular Patch Antenna Using DGS”, IEEE Applied Electromagnetics Conference & Indian Antenna Week (AEMC - IAW 2011.), Dec.18-22, Kolkata Hayat aregency.
11. **Chandan Kumar Ghosh**, Biswarup Rana, Susanta Kumar Parui, “Design and development of E-shaped array antenna using Defected Ground Structure at 5.25 GHz band” International Conference on Innovative Techno-Management Solutions for Social Sector, “IEMCON-2012” 17-18 January, 2012 , Kolkata, India, pp 405-408.
12. **Chandan Kumar Ghosh**, Biswarup Rana, Arabinda Roy, Susanta Kumar Parui, “A Diversity Antenna for MIMO Application” 2nd International Conference on Computer, Communication, Control, and Information Technology, “C3IT-2012”, AOT, India.
13. Subhajit Sinha, Biswarup Rana, **Chandan Kumar Ghosh**, Susanta Kumar Parui, “A CPW-Fed Microstrip Antenna for WLAN Application” 2nd International Conference on Computer, Communication, Control, and Information Technology, “C3IT-2012”, AOT, India
14. **Chandan Kumar Ghosh**, Biswarup Rana, Bappaditya Mandal, Susanta Kumar Parui, “Reduction of Cross polarization Radiation of E-shaped Microstrip Antenna Array using Spiral-

Ring Resonator” 5th International Conference on Computers and Devices for Communication, 17-19 December, 2012, Hyatt Regency, Kolkata, India.

15. Biswarup Rana, Susanta Kumar Parui, Arabinda Roy, **Chandan Kumar Ghosh**, “*Half-Mode Substrate Integrated Waveguide Fed T-Shaped Slot Array Antenna*” 5th International Conference on Computers and Devices for Communication, 17-19 December, 2012, Hyatt Regency, Kolkata, India.

16. **Chandan Kumar Ghosh**, Bappaditya Mandal, Susanta Kumar Parui, “*Omni-Directional Printed Antenna Array for MIMO Application*” 5th International Conference on Computers and Devices for Communication, 17-19 December, 2012, Hyatt Regency, Kolkata, India.

17. Bappaditya Mandal, **Chandan Kumar Ghosh**, Susanta Kumar Parui, “*Conductor-Backed Slotted UWB Monopole Antenna with Band-Notch Characteristic*” 8th International Conference on Microwaves, Antenna, Propagation & Remote Sensing” “ICMARS-2012” pp 8-11, 11th to 15st Dec. 2012, International Centre for Radio Science (ICRS), Jodhpur, Rajasthan, India.

18. **Chandan Kumar Ghosh**, A. Roy, S. Maitra, B. Rana and S. Parui, “*DGS Integrated Wideband E-shaped Microstrip Antenna Array for Wireless Application*,” Indian Antenna Week-2012, Hotel Royal Plaza, Gangtok, Sikkim, May 27-31, 2012.

19. **Chandan Kumar Ghosh**, Susanta Kumar Parui, “*Reduction of Mutual Coupling between E-Shaped Microstrip Antenna Array by using a Simple Microstrip I-Section*” IEEE Indian **Antenna Week 2013**, Paper ID: IAW_1329, 3-4th June 2013.

20. Biswarup Rana, **Chandan Kumar Ghosh**, Susanta Kumar Parui, “*Design of Dielectric Resonator Loaded Slot Antenna*” IEEE Indian **Antenna Week 2013**, Paper ID: IAW_1328, 3-4th June 2013.

21. Susmita Biswas, **Chandan Kumar Ghosh**, Amrita Medda and Durbadal Mandal, “*Harmonics Suppression of Microstrip Patch Antenna Using Defected Ground Structure*”, International Conference on Microelectronics, Computing and Communication 2016 (MicroCom 2016), NIT Durgapur, India, 23-25 Jan. 2016.

22. Susmita Biswas, **Chandan Kumar Ghosh** and Durbadal Mandal, “*Compact Body Wearable Antenna for Wireless Application*”, Proceedings of 1st International Conference on Emerging

Trends in Computer, Communication and Control, ICETC3-2017, NSHM Knowledge Campus, Durgapur, India.

23. S. Srivastava, A. Chatterjee, S. Kumari, A. K. Prasad, D. Bashistha, C. K. Ghosh and S. Moitra, "Bandpass Filter (BPF) Design using Waveguide Iris Conformation over Substrate Integrated Waveguide (SIW) Bend," International Conference (IEEE) on Electronics, Materials Engineering and NANO Technology, IEMEN TECH, April-2017, Kolkata, India.

24. S. Moitra, **C. K. Ghosh**, A. K. Prasad, S. Kumari, D. Bashishtha, S. Srivastava and A. Chatterjee, "Performance of I-shaped EBG structures over Low Loss Angular Bend Substrate Integrated Waveguide (SIW)," 2nd International Conference on Electronics, Materials Engineering & Nano-Technology 2018 (IEMEN Tech 2018), 20-22 June 2018, Kolkata, India.

25. Chandan Kumar Ghosh, Amrita Sarkar, Swati Bhattacharjee, Sarada Tewary, Rimi Chatterji, Keya Pal and Mrinmoy Chatterjee, "Sotted Microstrip Antenna for Miniaturization," IEEE National Conference on Emerging Trends on Sustainable Technology and Engineering Applications (NCETSTE-2020), February, 7-8, 2020. BCREC, Durgapur.

National conference

26. Biswarup Rana, **Chandan Kumar Ghosh**, Subhajit Sinha, Sabhsahi Guha, S.K. Parui "A Slotted Microstrip Patch Antenna for WLAN Application" National Conference on Materials, Devices, and Circuits in Communication Technology, "MDCCT 2012" The University of Burdwan, India

27. Biswarup Rana, Subhajit Sinha, Chandan Kumar Ghosh, S.K. Parui "A CPW- Fed Microstrip Antenna With Four Slots for Wireless Application" National Conference on Materials, Devices, and Circuits in Communication Technology, "MDCCT 2012" The University of Burdwan, India.

28. Biswarup Rana, **Chandan Kumar Ghosh**, "Design of E-shaped Microstrip Antenna for WLAN band at 5.25 GHz," NCPCC-12, 3rd March, 2012, Budge Budge Institute of Technology, Kolkata.

Book: NIL

Book Chapter: NIL

Supervision of Ph.D/M.Tech / B.Tech Projects:

For Ph.D

1. Student's Name: Susmita Biswas (Reg. No. NITD/Ph D/ECE/2015/00605)
Supervisor : Dr. Chandan Kumar Ghosh and Dr. Durbadal Mandal
Title of the thesis : Studies on Mutual Coupling of Microstrip Antenna array
Year of Registration : 2015
Name of the University: NIT Durgapur

2. Student's Name: Rajasree Hazra (Reg. No. Ph D/TECH/ECE004/2015)
Supervisor : Dr. Chandan Kumar Ghosh
Title of the thesis : Study of Compact microstrip arrays for Wireless Application
Year of Registration : 2015
Name of the University: MAKAUT

3. Student's Name: Santimoy Mondl (Enrollment No. Ph D/Tech/ECE038/2019)
Supervisor : Dr. Chandan Kumar Ghosh
Title of the thesis : Design and Optimization of Microstrip Antenna Array
Year of Registration : 2019
Name of the University: MAKAUT

Three more students are also working under my guidance (waiting for enrolment)

Projects:

B.Tech (last five years):

| Name of Supervisor | Project Title | Name of Students | | Year | |
|---|--|-------------------|-------------|------|------|
| Dr. Chandan Kumar Ghosh | 1. Wireless power Transmission using Inductive Coupling | Indrani Nandy | 12000313121 | 2016 | |
| | | Sneha Adhurjya | 12000313139 | | |
| | | Ananya Choudhury | 12000313117 | | |
| | | Snigdha Mondal | 12000313140 | | |
| | | Paromita Gorai | 12000313130 | | |
| | | Madhusree Hazra | 12000313126 | | |
| | 2. Microcontroller based wireless Car | Tauseef Ameen | 12000312121 | | |
| | | Mobasshir Nayyer | 12000312058 | | |
| | | Shristy Kashyap | 12000312097 | | |
| | | Sourav Dutta | 12000312106 | | |
| | 3. Wireless power Transmission using Inductive Coupling | Indrani Nandy | 12000313121 | | |
| | | Sneha Adhurjya | 12000313139 | | |
| | | Ananya Choudhury | 12000313117 | | |
| | | Snigdha Mondal | 12000313140 | | |
| | | Paromita Gorai | 12000313130 | | |
| | | Madhusree Hazra | 12000313126 | | |
| | Design and simulation of microstrip antenna array | Arnab Paul | 12000313024 | | 2017 |
| | | Animesh Jana | 12000313016 | | |
| | | Anay Kundu | 12000313014 | | |
| | | Harun Seikh | 12000313038 | | |
| | | Kingshuk Sahu | 12000313041 | | |
| | 1. Investigations on techniques to design Angularly bend SIW & HMSIW Integrated Vbend Band pass Filter | Abanti Chatterjee | 12000314001 | 2018 | |
| | | Amit Kumar Prasad | 12000314009 | | |
| | | Dibya Bashishtha | 12000314031 | | |
| | | Smita Srivastava | 12000314094 | | |
| | | Suman Sumari | 12000314104 | | |
| 2. Stub Integrated Dual Polarized Microstrip Patch Antenna array with reduced Mutual Coupling | Ankush Gaurav | 12000314013 | | | |
| | Antara Das | 12000314014 | | | |
| | Nitesh Kumar | 12000314058 | | | |
| 1. Mutual Coupling Reduction of MIMO Antenna using Microstrip Antenna | Rahul kumar | 12000315074 | 2019 | | |
| | Saurabh pratap | 12000315094 | | | |
| | Manish pratap | 12000315055 | | | |
| 2. Design of Microstrip Antenn Array for MIMO Application | Neha mandal | 12000315066 | | | |
| | Shrishtee shorya | 12000315099 | | | |
| | Simran | 12000315103 | | | |

| | | | | |
|----------------------------|--|--------------------------|-------------|------|
| Dr. Chandan Kumar Ghosh | Design and simulation of microstrip antenna array | Arnab Paul | 12000313024 | 2020 |
| | | Animesh Jana | 12000313016 | |
| | | Anay Kundu | 12000313014 | |
| | | Harun Seikh | 12000313038 | |
| | | Kingshuk Sahu | 12000313041 | |
| | | Nayanika Mukhopadhyay | 12000316082 | |

M.Tech project:

1. Design and Development of MIMO Antenna for Wireless Application-submitted by **Sabhasachi Guha**, (University Roll-09120099018 and Reg. No. 091200410027 of 2009-2010), May, 2011, under WBUT.
2. Gain and Bandwidth Enhancement of Microstrip Array antenna with EBG Structure at the Ground plane-submitted by **Sanchita Dutta**, (University Roll-09120099016 and Reg. No. 091200410025 of 2009-2010), May, 2011, under WBUT.
3. Conductor Backed CPW-Fed Slotted Antenna for Ultra Wideband Application-**Subhajit Sinha** (University Roll-12009910011 and Reg. No. 101200410029 of 2010-2012) May 2012, under WBUT.
4. Baseband Coding for Audio Steganography-submitted by **Santanu Bairagya**, (University Roll-12009910005 and Reg. No. 101200410023 of 2010-2012), May 2012, under WBUT.
5. Design and Development of Printed Antenna-submitted by **Rudrani Chatterjee**, (University Roll-12009910008 and Reg. No. 101200410026 of 2010-2011), May 2012, under WBUT.
6. Design of a Microstrip Patch Antenna using Complementary Method-submitted by **Ruchita Chatterjee**, (University Roll-12009910009 and Reg. No. 101200410027 of 2010-2011), May 2012, under WBUT.

7. A DGS Integrated E-Shaped Microstrip Patch Antenna Array for Wireless application- submitted by **Biswarup Rana**, (University Roll-12009910010 and Reg. No. 10120041028 of 2010-2011), May 2012.
8. Mutual Coupling Reduction Between Closely Spaced Microstrip patch Elements in Microstrip patch Array using DGS- submitted by **Rajasree Hazra**, (University Roll-12009911005 and Reg. No. 111200410008 of 2011-2012), May, 2013, under WBUT.
9. Reduction of Scan Blindness of Eight-Element patch Antenna Array with a DGS Structure- submitted by **Saikat Das** (University Roll-12009911002 and Reg. No. 111200410005 of 2011-2012), May, 2013, under WBUT.
10. Mutual coupling Reduction between closely spaced Microstrip Patch elements of Microstrip Array using Defected Ground structure submitted by-**Rajasree Hazre** (University Roll-12009911005), Reg. No. 111200410008, May- 2013, under WBUT.
11. Design and Performance Analysis of Microstrip Patch Array Antennas with Different Configurations-submitted by **Arnab De** (University Roll-12020312002), May-17, 2014, under WBUT.
12. A Compact Multiband Antenna using Complementary Slots on the Ground Plane- submitted by **Sourav Mondal** (University Roll-12013513006), 20th May, 2015 under MAKAUT.
13. Suppression of Higher Harmonics of microstrip Antenna Array by using Stub-submitted by **Amrita Medda** (University Roll-12013514001), June 2016 under WBUT.
14. Design and implementation of soft surfaces for decoupling in between microstrip patch antennas, submitted by **Harsha M Singh**, (University Roll No.12013515003 and Registration No. 51200410027), May'2017 under MAKAUT.
15. Study of a Slotted Microstrip Antenna for Wireless Application submitted by **Aditi Mandal**,(University Roll-12013516003 and Reg. No. 161200410013 of 2016-2017), May'2018, under MAKAUT.
16. Gain Enhancement of Microstrip Patch Antenna Using Slotted Structure submitted by Sayanti Dutta (Univ. Roll 12013517001 and Reg. no. 171200410029), May'2019 under MAKAUT.

17. Mutual Coupling Reduction of Microstrip MIMO antenna Array using Microstrip Resonator, Amrita Sarkar +789 (undergoing), (Univ. Roll 12013518002 and Reg. no. 181200410023), May'2020 under MAKAUT.

Invited Lectures: NIL

Participation in seminar/conference/symposium/workshop/discussion meeting

| Name of the event | Duration | Year | Organized by |
|--|---------------|-------------|--|
| IEEE Applied Electromagnetics Conference (IEMC-2007). | 2 days | 2007 | Institute of Radiophysics & Electronics, kolkata. |
| International Conference on Microwaves, Antenna, Propagation & Remote Sensing” “ <i>ICMARS-2009</i> | 3 days | 2009 | International Centre for Radio Science (ICRS), Jodhpur, Rajasthan, India |
| IEEE Applied Electromagnetics Conference ISBN: No. 978-1-4244-4819-7, Library of Congress: 2009905498 | 3 days | 2009 | Institute of Radiophysics & Electronics, kolkata. |
| International Conference on Microwaves, Antenna, Propagation & Remote Sensing” “ <i>ICMARS-2009</i> | 3 days | 2009 | International Centre for Radio Science (ICRS), Jodhpur, Rajasthan, India |
| International Conference on Emerging trends in Electronic and Photonic Devices & Systems, ELECTRO-2009 | 3 days | 2009 | Institute of Technology, BHU, Varanasi (U.P), India |
| 6 th International Conference on Microwaves, Antenna, Propagation & Remote Sensing” “ <i>ICMARS-2010</i> | 3 days | 2010 | International Centre for Radio Science (ICRS), Jodhpur, Rajasthan, India |
| IEEE Applied Electromagnetics Conference & Indian Antenna Week (AEMC - IAW 2011.) | 5 days | 2011 | Institute of Radiophysics & Electronics, kolkata. |
| National Conference on Materials, Devices, and Circuits in Communication Technology, ”MDCCT 2012 | 3 days | 2012 | University of Burdwan, India |
| 2 nd International Conference on Computer, Communication, Control, and Information Technology, “C3IT-2012 | 2 days | 2012 | Academy of Technology, Kolkata, India |
| 5 th International Conference on Computers and Devices for Communication | 3 days | 2012 | Institute of Radiophysics & Electronics, kolkata. |
| 8 th International Conference on | 5 days | 2012 | International Centre for |

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|---|--------|------|--|
| Microwaves, Antenna, Propagation & Remote Sensing” “ICMARS-2012 | | | Radio Science (ICRS),Jodhpur, Rajasthan, India. |
| International Conference on Microelectronics, Computing and Communication 2016 (MicroCom 2016) | 3 days | 2016 | NIT Durgapur, India |
| 1 st International Conference on Emerging Trends in Computer, Communication and Control, ICETC3-2017 | 2 days | 2017 | NSHM Knowledge Campus, Durgapur, India |
| Full Custom VLSI Design using Mentor Graphics. | 3 days | 2019 | ECE Department, Dr. B. C. Roy Engineering College, Durgapur. |
| IEEE National Conference on Emerging Trends on Sustainable Technology and Engineering Applications (NCETSTEAM-2020) | 2 days | 2020 | Dr. B. C. Roy Engineering College,Durgapur |

Organization of events (Dr. B. C. Roy Engineering College)

| | | | |
|---|--------|------|---|
| Organized workshop on microwave Engg. And Applications as Join Co-ordinator | 2 days | 2015 | ECE Department, Dr. B. C. Roy Engineering College, Durgapur |
| IEEE National Conference on Emerging Trends on Sustainable Technology and Engineering Applications (NCETSTEAM-2020) (As Organizer) | 2 days | 2020 | Dr. B. C. Roy Engineering College,Durgapur. |

Participation in administrative committees (selected)

| Name of the post | Name of the committee | Year | Institute |
|------------------|------------------------|-----------|--|
| Member secretary | Anti-Ragging Committee | 2017-2018 | Dr. B. C. Roy Engineering College,Durgapur |
| Member secretary | Anti-Ragging Committee | 2018-2019 | Dr. B. C. Roy Engineering College,Durgapur |
| Member secretary | Anti-Ragging Committee | 2019-2020 | Dr. B. C. Roy Engineering College,Durgapur |

| | | | |
|--------------|-----|------|---------------------------------------|
| Co-ordinator | NBA | 2020 | Dr. B. C. Roy Polytechnic,Durgapur |
|--------------|-----|------|---------------------------------------|

Project Ideas Submitted to Govt. Agencies/ On-going Projects / Research Ideas under preparation & execution

| Project | Date of submission | Status | Organization |
|---|---------------------------|---------------|--|
| Research Promotion Scheme (RPS), Application ID: I-7017064871 | 20.12.19 | Under process | Dr. B. C. Roy Engineering College,Durgapur |

Membership of professional bodies: IEEE, IETE, IEL, CSI, MGMI etc. NA

The statement made in the above are true to the best of my knowledge and belief.

Date : - 09.07.2020

Place: - Durgapur

Chandan K. Ghosh

(Chandan Kumar Ghosh)

Signature of the candidate