

**Collaboration List of DIET**

| Sl No | University Name / Institute name               | Collaboration Through | Collaboration Outcome  | native institution faculty name | collaborative university /institute faculty name |
|-------|--|-----------------------|--|---------------------------------|--|
| 1     | Dr. B C Roy College of Engg.                   | Paper                 | Hasanujjaman, Mehedi Hasan, Dr. Arindam Biswas, "CAD Model of Connected Rectangular Ring Microstrip Antenna for Dual band Operations" Intl. J. of Engineering & Management Research, Vol 3 , Issue 6 (2013).   | Hasanujjaman                    | Dr Arindam Biswas                                |
| 2     | NIT, Durgapur<br>Dr. B C Roy College of Engg   | Paper                 | Hasanujjaman, Habib Mondal, Dr. Arindam Biswas, Dr. A K Bhattacharya "esign of Single Band Rectangular Patch Antenna for Satellite Application and Analysis using different Optimizer available in IE3D" Intl. J. of Engineering & Management Research, Vol 3 , Issue 6 (2013).          | Hasanujjaman                    | Dr Arindam Biswas<br>Prof. Dr. A K Bhattacharaya |
| 3     | Dr. B C Roy College of Engg.                   | Paper                 | Hasanujjaman, Mehedi Hasan, Habib Mondal, Dr. Arindam Biswas" Cut Slotted Microstrip Antenna For Dual Frequency Application And Analysis Using Different Optimizer Available In IE3D"  | Hasanujjaman                    | Dr Arindam Biswas                                |
| 4     | University of Calcutta                         | Paper                 | Arindam Biswas, A Ghosal, Hasanujjaman, S. Khan "Low Temperature Magnetotransport in 2D GaN Quantum wells", Intl. J. Scientific & Engg. Res., Vol 2, (2011)  | Hasanujjaman                    | Dr Arindam Biswas<br>Prof. Dr. A Ghosal          |
| 5     | University of Calcutta                         | Paper                 | A Biswas, A Ghosal, Hasanujjaman, S Kumar, "One Dimensional GaN Nanowire FETs", J. Electron Devices, Vol 11, pp 551-553 (2011).  | Hasanujjaman                    | Dr Arindam Biswas<br>Prof. Dr. A Ghosal          |
| 6     | University of Calcutta<br>University of Brazil | Paper                 | P.K.karmakar, M.Maiti, S.Mondal, Carlos frederico Angelis, "Determination of window frequency in the millimeter wave band in the range of 58 o north through 45 o south over the globe," Advances in Space research, Vol.48, pp. 146-151, 2011.  | Subrata Mondol                  | Dr. P K Karmakar<br>Carlos frederico Angelis,    |
| 7     | University of Calcutta                         | Paper                 | Karmakar, P.K., Mondal, S., Sanda, P.K., Machado, L.A.T., "Microwave radiometric estimation of excess electrical path-an overview," International Journal of Geomatics and Geosciences Vol.3, No.3, pp. 628-644, 2013  | Subrata Mondol                  | Dr. P K Karmakar                                 |
| 8     | University of Calcutta                         | Paper                 | S.Mondal, N.Sk, P.K.Karmakar, "Estimation and Comparasion of Antenna Temperature and Water Vapour Attenuation at Microwave Frequencies over Northern and Southern latitude," International Journal of Innovative Technology and Exploring Engineering, Vol.3, Issue- 7, pp.135-139, 2013 | Subrata Mondol                  | Dr. P K Karmakar                                 |

|    |   |       |  |                    |  |
|----|---|-------|--|--------------------|--|
| 9  | University of Calcutta  | Paper | S.Mondal, A.K.Pradhan,P.K.Karmakar, “Water Vapour Profiling at Southern latitudes by Deploying Microwave radiometer,” International Journal of Advances in Engineering & Technology, Vol. 6, Issue- 6, 2013  | SubrataMondol      | Dr. P K Karmakar   |
| 10 | University of Calcutta  | Paper | S.Mondal,N.Sk,P.K.Karmakar, “Analysis of Water Vapour Weighting Function in the range 58 degree North through 45 degree South over the Globe,” International Journal of Engineering Research and Applications, Vol. 3 , Issue 6, 2013                        | SubrataMondol      | Dr. P K Karmakar   |
| 11 | University of Calcutta  | Paper | S.Mondal,A.K.Pradhan,P.K.Karmakar, “Estimation of Opacity and Weighting Function in the Range of 58 degree north through 45 degree south,” International Journal of Emerging Technology and Advanced Engineering, Vol. 3, issue. 12 , 2013                   | SubrataMondol      | Dr. P K Karmakar   |
| 12 | NIT , Durgapur  | Paper | LINEAR ANTENNA ARRAY SYNTHESIS WITH DECREASING SIDELobe & NARROW BEAMWITH<br>1.SUDIPTA DAS<br>2.MANGOLIK BHATTACHARJEE 3. ATANU SEN<br>4. DURBADAL MONDAL ACEEE<br>INTERNATIONAL JOURNAL ON COMMUNICATIONS VOL. 03, NO.01, MARCH 2012                        | Atanu Sen          | Dr. D Mondal   |
| 13 | NIT , Durgapur<br>University of Florida, US   | Paper | S J Mandal, K Choudhary,A Biswas, A. K. Bandyopadhyay, A .K. Bhattacharjee and D. Mandal, “Quantum Breathers in Klein-Gordon Lattice: Non-Periodic Boundary Condition Approach”, J. Appl. Phys .Vol. 110, 124106 (2011).                                     | SubhraJyoti Mandal | Prof.Dr. A K Bhattacharjee<br>K Choudhary                          |
| 14 | NIT , Durgapur<br>University of Florida, US   | Paper | S J Mandal, A Biswas, K Choudhary, A. K. Bandyopadhyay,A .K.Bhattacharjee and D. Mandal, “ THz Response of Split Ring Resonator based on Nonlinear Metamaterials”, J. Electron Devices .Vol. 16, 1321 (2012).  | SubhraJyoti Mandal | Prof.Dr. A K Bhattacharjee<br>K Choudhary                          |
| 15 | NIT, Durgapur<br>University of Florida, US<br>Dr. B C Roy<br>College of Engg.           | Paper | S J Mandal, A Biswas, K Choudhary, A. K. Bandyopadhyay,A .K.Bhattacharjee and D. Mandal, “Quantum Breathers in Metamaterials in terms of Klein-Gordon Lattice”, Int.J.Electronics and Communication Technology, Vol 4, Issue 2, pp 428-433 April-June 2013   | SubhraJyoti Mandal | Prof.Dr. A K Bhattacharjee<br>K Choudhary<br>Dr A Biswas           |
| 16 | NIT , Durgapur,<br>Dr. B C Roy<br>College of Engg.,<br>Dream Institute<br>of Technology | Paper | SubhraJyotiMandal, VirRanjan Kumar, ArindamBiswas, A. K Bhandhopadhyay, A K Bhattacharjee, DurbadalMandal ,“Effect of Poling Field and Non-linearity in Quantum Breathers in Ferroelectrics” IOSR Journal of Applied Physics ,Vol 4, Issue 4 (Sept.-Oct 13). | SubhraJyoti Mandal | Prof.Dr. A K Bhattacharjee<br>Dr.A K Bhandhopadhyay<br>Dr A Biswas |

|    |  |       |  |                            |   |
|----|--|-------|--|----------------------------|---|
| 17 | NIT, Durgapur<br>University of<br>Florida, US<br>Dr. B C Roy<br>College of Engg.                             | Paper | SubhraJyotiMandal, A Biswas, K Choudhary, A. K. Bandyopadhyay, A .K.Bhattacharjee and D. Mandal, "Lifetime of Quantum Breathers for DNA Macromolecules", J. Electron Devices .Vol. 18, 2013, pp-1575-1581  | SubhraJyoti<br>Mandal      | Prof.Dr. A K<br>Bhattacharjee<br>K Choudhary<br>Dr A Biswas             |
| 18 | NIT, Durgapur<br>University of<br>Florida, US<br>Dr. B C Roy<br>College of Engg.<br>NSHM college of<br>Engg. | Paper | B Mandal, S Adhikari, R Basu, K Choudhary, S J Mandal, A Biswas, A. K. Bandyopadhyay, A .K.Bhattacharjee and D. Mandal, "Role of Coupling of Discrete Breathers in SRR based Metamaterials" PhysicaScripta, Vol. 86, pp015601-610 (2012).  | SubhraJyoti<br>Mandal      | Prof.Dr. A K<br>Bhattacharjee<br>K Choudhary<br>Dr A Biswas<br>B Mandal |
| 19 | NIT, Durgapur<br>University of<br>Florida, US<br>Dr. B C Roy<br>College of Engg.<br>NSHM college of<br>Engg. | Paper | B. Mandal , A Biswas , K. Choudhary, S.J. Mandal , A. K. Bandyopadhyay, A. K. Bhattacharjee and D. Mandal , "Nonlinear Effects and Multisolitons in Metamaterials "Procedia Technology (Elsevier), Vol. 4, pp. 641-645 (2012).   | SubhraJyoti<br>Mandal      | Prof.Dr. A K<br>Bhattacharjee<br>K Choudhary<br>Dr A Biswas<br>B Mandal |
| 20 | NIT , Durgapur<br>Dr. B C Roy<br>College of Engg.<br>NSHM college of<br>Engg.                                | Paper | S Mondal, S J Mandal ,A Biswas, D Mandal, A. K. Bhattacharjee, " A Proposed Cryptographic Algorithm Provides Better Data Security" IFRSA's International Journal of Computing, Vol.2, Issue 1, pp. 6-15, Jan. 2012.  | SubhraJyoti<br>Mandal      | Prof.Dr. A K<br>Bhattacharjee<br>Dr A Biswas<br>B Mandal                |
| 21 | BP Poddar<br>Institute of Ma<br>nagement &<br>Technology   | Paper | PALASH DAS, B. MONDAL<br>"Extended k-map for minimizing multiple output logic circuits" vol 4, No4, August 13 International Journal of VLSI and communication system   | Palash Das                 | B Mondal  |
| 22 | Bengal<br>Engineering and<br>Science<br>University,<br>Shibpur   | Paper | "Diametrical Mesh of Tree (D2D-MoT) Routing Architecture for Network-on-Chip" E-ISSN 0976-3945, Vol.III, Issue I, January-March, 2012, pp. 243-247. International Journal of Advanced Engineering Technology (IJAET)   | SankarKarmokar             | PrasunGhosal  |
| 23 | NIT , Durgapur<br>Dr. B C Roy<br>College of Engg.<br>NSHM college of<br>Engg.                                | Paper | S Mondal, S J Mandal ,A Biswas, D Mandal, A. K. Bhattacharjee, " A Proposed Cryptographic Algorithm Provides Better Data Security" IFRSA's International Journal of Computing, Vol.2, Issue 1, pp. 6-15, Jan. 2012.  | SukantaMondal              | Prof.Dr. A K<br>Bhattacharjee<br>Dr A Biswas<br>B Mandal                |
| 24 | University of<br>north bengal  | Paper | "Studies on a new dinuclear Co(II)-pterin complex exhibiting reactivity towards phenylalanine and bromobenzene" Transition Metal Chemistry, 32, 737(2007)  | MR.<br>BAIDYANATH<br>GHOSH | Samir Sen   |
| 25 | University of<br>north bengal  | Paper | "synthesis and physicochemical studies of a new molybdenum(IV)-pterin complex undergoing reaction with trimethylamine N-oxide" Indian journal of Chemistry, 46A, 1585(2007).   | MR.<br>BAIDYANATH<br>GHOSH | Samir Sen<br>S Roy  |
| 26 | University of<br>north bengal  | Paper | "synthesis and physicochemical studies on a new copper(II)-pterin complex exhibiting reactivity towards phenylalanine: a functional model of phenylalanine hydroxylase" Annual journal, Dept. of Chemistry, University of North Bengal, Darjeeling-734013, W.B., INDIA, 1, 9(2007) | MR.<br>BAIDYANATH<br>GHOSH | Samir Sen<br>S Roy  |

|    |  |       |  |                     |  |
|----|--|-------|--|---------------------|--|
| 27 | North University of China, Aliah University  | Paper | GuiQuan Sun, SahabuddinSarwardi, PallavJyoti Pal and MdSabiari Rahman. The spatial patterns through diffusion-driven instability in modified Leslie-Gower and Holling-type II predator-prey model. Journal of Biological Systems, World Scientific 18(3), 593-603, 2010. | Dr. PallavJyoti Pal | G. Sun SahabuddinSarwardi,                             |
| 28 | Aliah University Presidency University Visva-Bharati University,                               | Paper | PallavJyoti Pal, SahabuddinSarwardi, TapanSahaandPrashanta Kumar Mandal. Mean square stability in a modified Leslie-Gower and Holling-type II predator-prey model. Journal of Applied Mathematics & Informatics 29(3-4): 781-802, 2011.                                  | Dr. PallavJyoti Pal | SahabuddinSarwardi, TapanSaha andPrashanta Kumar Manda |
| 29 | Presidency University, IIT Kanpur  | Paper | PallavJyoti Pal, TapanSaha, Moitri Sen and Malay Banerjee. A delayed predator-prey model with strong Allee effect in prey population growth. Nonlinear Dynamics, Springer 68(1-2):23-42, 2012.   | Dr. PallavJyoti Pal | TapanSaha, and Malay Banerjee                          |
| 30 | Presidency University, Cheongju University ,South Korea  | Paper | PallavJyoti Pal, MainulHaque, TapanSaha, and KimunRyu. A predatory commensalism model in a deterministic and a stochastic environment, Dynamics of Continuous, Discrete and Impulsive Systems Series B: Applications & Algorithms, Watam Press 20:1-32, 2013.            | Dr. PallavJyoti Pal | TapanSaha, and KimunRyu.                               |
| 31 | Visva-Bharati University, Scientist D & DIO, National Informatics Centre, Murshidabad District | Paper | PallavJyoti Pal, Prashanta Kumar Mandal and Kaushik Kumar Lahiri. A delayed ratiodependentpredator"Uprey model of interacting populations with Holling type III functional response, Nonlinear Dynamics, Springer, DOI 10.1007/s11071-013-1121-3, 2013.                  | Dr. PallavJyoti Pal | Prashanta Kumar Mandal Kaushik Kumar Lahiri            |
| 32 | Visva-Bharati University,  | Paper | PallavJyoti Pal and Prashanta Kumar Mandal. Bifurcation analysis of a modified LeslieGower prey-predator model with Beddington-DeAngelis functional response and strong Allee effect. Mathematics and Computers in Simulation, Elsevier 97:123-146, 2014.                | Dr. PallavJyoti Pal | Prashanta Kumar Mandal                                 |
| 33 | Presidency University  | Paper | PallavJyoti Pal and TapanSaha. Qualitative analysis of a predator-prey system with double Allee effect in prey, Communicated for publication in Mathematical Biosciences, Elsevier.  | Dr. PallavJyoti Pal | TapanSaha  |
| 34 | Visva-Bharati University,  | Paper | PallavJyoti Pal, MainulHaque and Prashanta Kumar Mandal. Dynamics of a predatorprey model with disease in the predator, Mathematical Methods in the Applied Sciences, John Wiley & Sons, Ltd, DOI: 10.1002/mma.2988, 2013.   | Dr. PallavJyoti Pal | Prashanta Kumar Manda                                  |