

6.5.2 Collaborative work with other Institutions

Sl. No.	Title of the collaborative activity	Name of the collaborating agency with contact details	Name of the participant	Year of collaboration	Duration	Nature of the activity	Link to the relevant document
1	PhD Research work	Jadavpur University;03324146666	Pulak Mazumder	2021	Till now	Research	
2	An analytical and FEM simulation-based study of the dependence of capacitance profile on structural parameters of CMUT with and without vent	Mizoram University, 0389-2330654	Avik Ghosh Dastidar	2019	Till now	Research	https://link.springer.com/article/10.1007/s00542-023-05537-3
3	Effect of heavy metal and alkaline earth oxides on the optical and electrical mechanism of vanadium-phosphate amorphous glassy systems	North Eastern Regional Institute of Science and Technology, 0360-2257401-410	Puspendu Chandra Chandra	2018	Till now	Research	https://www.sciencedirect.com/science/article/abs/pii/S0022309323004593
4	Progressive effect of dual-hybridization in friction stir welding by ultrasonic vibration and resistive heating for joining dissimilar material Al6063 aluminium alloy and C26000 copper alloy	North Eastern Regional Institute of Science and Technology, 0360-2257401-410	Puspendu Chandra Chandra	2018	Till now	Research	https://www.tandfonline.com/doi/full/10.1080/01694243.2024.2359842

5	Effect of heavy metal and alkaline earth oxides on the optical and electrical mechanism of vanadium-phosphate amorphous glassy systems	North Eastern Regional Institute of Science and Technology, 0360-2257401-410	Sabyasachi Mukherjee	2018	Till now	Research	https://www.sciencedirect.com/science/article/abs/pii/S0022309323004593
6	Effect of heavy metal and alkaline earth oxides on the optical and electrical properties of tellurite-phosphate glass composites	Jadavpur University: 03324146666	Arpan Mandal	2022	Till now	Research	https://www.sciencedirect.com/science/article/abs/pii/S0022309324001571
7	Photocatalytic degradation of Rhodamine B dye via Bi2O3 embedded BaO-P2O5-TeO2 glass nanocomposites: An ab initio study of structural, optical, and electrical transport properties	Jadavpur University: 03324146666	Debtanu Patra	2022	Till now	Research	https://www.sciencedirect.com/science/article/abs/pii/S0022309324002138?via%3Dihub
8	PhD Research work	Jadavpur University: 03324146666	Sanjib Pal	2022	Till now		
10	PhD Research work	NIT Mizoram, 0389-2391236	Chiranjit Ghosh	2023	Till now		
11	Development of an interactive GUI using MATLAB for the detection of type and stage of Breast Tumor	MCKV Institute of Engineering, +91 33 2654 9315 / 17	Poulmi Banerjee	2023	Till now	Research	https://arxiv.org/pdf/2407.00480
12	Efficient selfish node detection using SVM in IoT-MANET environment	MAKAUT,(033) 2321 0731 / 1327	Mr. Subhankar Ghosh	2023	Till now	Research	https://onlinelibrary.wiley.com/doi/10.1002/ett.4858

13	Effect of the inclusion of Fe ₂ O ₃ on the optical and electrical transport properties into sodium-zinc-phosphate quaternary glassy systems	NIT Manipur, 0385-2445812; Indian Institute of Technology Kharagpur,91-3222-255221;Indian Institute of Information Technology, Allahabad;+ 91 - 532 - 2922000, 2922025	Mr. Bidyut Kumar Ghosh	2023	Till now	Research	https://www.sciencedirect.com/science/article/abs/pii/S2352492823024765
14	Effect of the iron content on the thermal and dielectric relaxation process of sodium zinc-phosphate quaternary glassy systems	NIT Manipur, 0385-2445812; Indian Institute of Technology Kharagpur,91-3222-255221	Mr. Bidyut Kumar Ghosh	2023	Till now	Research	https://www.sciencedirect.com/science/article/abs/pii/S0022309324000632
15	Influence of Sb doping on thermal properties and electrical conductivity mechanism of Sb _x Se _{50-x} Sn ₂₀ Te ₃₀ chalcogenide glassy systems	NIT Manipur, 0385-2445812;IIT Patna; 0611-5233001	Mr. Bidyut Kumar Ghosh	2023	Till now	Research	https://www.sciencedirect.com/science/article/abs/pii/S0022309324001340
16	Investigation of the physical, thermal, and dielectric relaxation of bismuth zinc phosphate glasses modified with lithium ions for possible energy storage applications	NIT Manipur, 0385-2445812	Mr. Bidyut Kumar Ghosh	2023	Till now	Research	https://link.springer.com/article/10.1007/s10854-024-12969-8
17	Implementation of combined hydrogen aqua electrolyser-fuel cell and redox-flow-battery under restructured situation of AGC employing TSA optimized PDN (FOPI) controller	Power Research and DevelopmentConsultants Pvt. Ltd. +91 (0) 80 4245 5555,Rajkiya Engineering College 06387978430, AdityaEngineering College + 91 99498 76662	Dr. Arindita Saha	2022	Till now	Research	https://www.tandfonline.com/doi/epdf/10.1080/16583655.2024.2334004?needAccess=true

18	Application of RT-Lab in Multi-Area AGC System under Deregulated Environment Considering IPFC-SMES	Rajkiya Engineering College 06387978430, AdityaEngineering College + 91 99498 76662	Dr. Arindita Saha	2022	Till now	Research	https://link.springer.com/article/10.1007/s40998-024-00740-y
19	Employment of renewable based sources in amalgamated frequency-voltage control restructured system with TSA trained IPD(1+I) controller	Prince Sultan University, Riyadh, Saudi Arabia Electrical Power and Machines Engineering Department, Faculty of Engineering, Tanta University, Tanta, 31733, Egypt	Dr. Arindita Saha	2022	Till now	Research	https://www.sciencedirect.com/science/article/abs/pii/S0960148123017949?via%3Dihub
20	Frequency Control of a Realistic Dish Stirling Solar Thermal System and Accurate HVDC Models Using a Cascaded FO-PI-IDDN Based Crow-Search Algorithm	Prince Sultan University, Riyadh, Saudi Arabia,00966114948000; Electrical Power and Machines Engineering Department, Faculty of Engineering, Tanta University, Egypt 3317928 040 2+	Dr. Arindita Saha	2022	Till now	Research	https://onlinelibrary.wiley.com/doi/epdf/10.1155/2023/9976375

21	Evaluation of renewable and energy storage system-based interlinked power system with artificial rabbit optimized PI (FOPD) cascaded controller	Power Research and Development Consultants Pvt. Ltd. +91 (0) 80 4245 5555; Prince Sultan University, Riyadh, Saudi Arabia, 00966114948000; Electrical Power and Machines Engineering Department, Faculty of Engineering, Tanta University, Egypt 3317928 040 2+	Dr. Arindita Saha	2022	Till now	Research	https://www.sciencedirect.com/science/article/pii/S2090447923002782?via%3Dihub
22	PhD Research work	MAKAUT,(033) 2321 0731 / 1327	Ms.Labani Nandi	2020	Till now	Research	
23	PhD Research work	MAKAUT,(033) 2321 0731 / 1327	Mr. Subhadeep Mondal	2020	Till now	Research	



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