



JGEC CONNECT

(A monthly newsletter)

February,2023

Institute news

Faculty news

The nature index rank of JGEC under the category of Physical science is 89.

Awards/prizes



Dr.Swalpa kumar Roy has been appointed as a special issue editor of the MDPI Journal

Dr.Amitava Ray, Principal, JGEC has been elevated to IEEE Senior member.

Student news



Soham Sen, EE Batch 2020 - 2024



Tunnisha Dasgupta, CE;2020-2024

Research Intern 2023, Dalhousie University, Nova Scotia, Canada



Moumita Mondal, CE;2020-2024, University of Northern British Columbia, St.George



TCS Hackquest is the global hiring event for hiring young and talented hackers across India. This year Hackquest Season 7 there were around 58000+ registrations and out of all of them, **Syed Modassir Ali** a final year student of Computer Science and engineering department of Jalpaiguri Government Engineering College secured first position and was crowned the title of Ultimate Ethical Hacker.

Research Assessment committee (RAC) meeting for PhD Scholars

1. RAC meeting of Mr.Sudipta Ghosh held on 23.02.2023, Supervisor: Dr.Amitava Ray, Experts: Dr.Bijan Sarkar, JU, Members: Dr.Nimai Mukhopadhaya & Dr.Nripen Mondal
2. RAC meeting of Mr.Sudish Roy held on 25.02.2023, Supervisor: Dr.Arijit Kundu, Co-Supervisor: Dr.Nripen Mondal, Experts:Dr.Arup Kumar Das , IIT Roorkee
Internal members: Dr.Amitava Ray & Dr.Nimai Mukhopadhyay
3. RAC meeting of Mr.Madhab Chandra Mandal held on 26.02.2023, Supervisor: Dr.Amitava Ray Co-supervisor: Dr.Nripen Mondal, Experts: Dr.Bivas Mallik, MAKAUT, Internal members: Dr.Nimai Mukhopadhyay
4. RAC meeting of Mr.Koushik Chatterjee held on 21.02.2023, Supervisor: Dr.P.K.Saha Experts: Dr.Abhinandan DC,IEST, Members: Dr.Shibsankar Saha, Dr.G.K.Panda, Dr.Santanu Das
5. RAC meeting of Mr.Jayanta Bhusan Basu held on 21.02.2023, Supervisor: Dr.P.K.Saha Join supervisor: Dr.Subhojit Dawn, Members: Dr.Shibsankar Saha, Dr.G.K.Panda, Dr.Santanu Das
6. RAC meeting of Mr.Partha Mishra held on 21.02.2023, Supervisor: Dr.Santanu Das Experts: Dr. Sovan Dalai, JU, Members: Dr.S.S.Chowdhury,AOT,Dr.P.K Saha, Dr.G.K.Panda.
7. RAC meeting of Mr.Ujjal Dey on 21.02.2023, Supervisor: Dr.Santanu Das Experts: Dr. Sovan Dalai, JU, Dr.A.K.Pradhan,JU,Dr.P.Purkait,JU Members: Dr.P.K Saha, Dr.G.K.Panda
8. RAC meeting of Mr.Shubhasish Sarkar on 21.02.2023, Supervisor: Dr.Santanu Das & Dr.P.Purkait Experts: Dr. Sovan Dalai, JU, Members: Dr.P.K Saha, Dr.G.K.Panda
9. RAC meeting of Mr.Mitul Ranjan Chakraborty on 21.02.2023, Supervisor: Dr.P.K.Saha Members: Dr.Subhojit Dawn, Members: Dr.Shibsankar Saha, Dr.G.K.Panda, Dr.Santanu Das

All students, faculty & staff members are advised to send their achievement to infocell@jgec.ac.in by 7th of each month.



JGEC CONNECT

(A monthly newsletter)

February, 2023

Faculty/student publications

Dept. of Computer Science & Engineering

1. Ali Jamali, **Swalpa Kumar Roy**, Avik Bhattacharya, and Pedram Ghamisi. "Local Window Attention Transformer for Polarimetric SAR Image Classification." IEEE Geoscience and Remote Sensing Letters (2023).
2. **Swalpa Kumar Roy**, Ankur Deria, Chiranjibi Shah, Juan M. Haut, Qian Du, and Antonio Plaza. "Spectral-Spatial Morphological Attention Transformer for Hyperspectral Image Classification." IEEE Transactions on Geoscience and Remote Sensing (2023).
3. Minghua Wang, Qiang Wang, Danfeng Hong, **Swalpa Kumar Roy**, and Jocelyn Chanussot. "Learning tensor low-rank representation for hyperspectral anomaly detection." IEEE Transactions on Cybernetics 53, no. 1 (2023): 679-691.

Placement offer

1. MCPI PVT. LTD-2 students
2. ITD Cementation-5 students
3. SMS Group- 1 student

Internship offer with stipend through **Internshala University**

Relations

Sohel Rana Sardar, APOGEE
BITS PILANI
Sourav Bhunia, Muskurahat
foundation
Sagnik Chakraborty, Support and
care humanity foundation
Apratim Banerjee, MD ATIF
SIDDIQUE

Dept. of Mechanical Engineering

1. Hossain, Md Naim, and Koushik Ghosh. "Entropy Generation Minimization for Boiling Flow Inside Evaporator Tube With R32 And R410A Refrigerants: A Comparison Of Different Two-Phase Flow Models." ASME Journal of Thermal Science and Engineering Applications (2023): 1-38,
<https://doi.org/10.1115/1.4056979>.
2. Hossain, Md Naim, and Koushik Ghosh, "Effect of Peripheral Nonuniform Distribution Of Furnace Heat Flux on Thermo-Hydraulic Characteristics and Design of Riser Downcomer Circuit of Natural Circulation Boiler", Applied Thermal Engineering, Volume 224, 2023, 120135, ISSN 1359-4311,
<https://doi.org/10.1016/j.applthermaleng.2023.120135>.
3. Srija Sarkar, Abhishek Chatterjee, Md Naim Hossain, "Flow Boiling Analysis of R32 Refrigerants For Mini-Scale Circuit Cooling", Springer Proceedings of 4th International Conference on Recent Advancements in Mechanical Engineering, ICROME 2023, Feb 3-5, 2023, NIT Silchar.

Dept. of Electrical Engineering

1. **Goutam Kumar Panda**,.: "Simulation of thermal comfort and energy demand in buildings of sub-Himalayan eastern India - Impact of climate change at mid (2050) and distant (2080) future ", Journal of Building Engineering, Elsevier, vol 68, Feb, 2023
2. **Santanu Das**,: "Deep Learning Approach to Sense Minor Stator Winding Inter-Turn Fault Severity in Induction Motor under Variable Load Condition", IEEE Sensor Journal, Paper Id: Sensors-55206-2022, Feb, 2023
3. **P.K.Saha**, "System Economy Improvement and Risk Shortening by Fuel Cell-UPFC Placement in a Wind-Combined System" Energies 2023, 16, 1621.

IEEE STUDENT CHAPTER

JGEC has started a IEEE student chapter in the campus. Total student member as on date is 19.
Faculty counselor of JGEC IEEE Student Branch : **Dr. Santanu Das, Sr. Member IEEE**

All students, faculty & staff members are advised to send their achievement to infocell@jgac.in by 7th of each month.