

DR. SUMAN JANA

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PROFESSIONAL SUMMARY

Research Area: Renewable Energy, Environmental Sustainability, AI/ML Integrated Devices, Quantum Algorithm

(i) 5+ Years Academic Experience (2+ Years Post-PhD); (ii) 3 Years Industrial Experience; (iii) 19 International Publications; (iv) 11 Utility Patents (3 Granted, 3 Published, 5 Filed); (v) 4 Technology Transfers; (vi) 2 Government-funded R&D Projects; (vii) 1 Industrial Consultancy; (viii) Winner, MSME Hackathon 2022; (ix) Mentor, Smart India Hackathon Finalists 2023 & 2024; (x) Convener, IIC (2+ Yrs); (xi) Convener, R&D & IPR Cell (1+ Yrs); (xii) Convener, NISP (2+ Yrs); (xiii) Organized 90+ events as Convener; (xiv) Supervising 4 PhD Students; (xv) Mentoring 3 Startups; (xvi) Supervised 14 Institutional Projects.

ABOUT ME

Dr. Suman Jana is a Ph.D. graduate from the National Institute of Technology Mizoram and a dedicated Assistant Professor at Regent Education and Research Foundation. With deep expertise in Electrical and Electronic Engineering, particularly in Renewable Energy, his active research spans environmental protection, energy-efficient AI/ML, quantum computing, and blockchain technology. As Convener of the Institution's Innovation Council and Co-Convener of the R&D & IPR Cell, he drives campus-wide innovation initiatives. To date, he has published 19 peer-reviewed international articles, holds 11 patents (3 granted, 3 published, 5 filed), led two government-funded R&D projects, facilitated 4 technology transfers, and 1 industrial consultancy. He is now seeking to apply his academic leadership, multidisciplinary research acumen, and engineering expertise in roles such as Assistant/Associate Professor, Research Professor, Innovation Engineer, or Research Scientist at a forward-looking institution.

OBJECTIVE

To obtain a position as Assistant Professor, Research Professor, Innovation Engineer, or Research Scientist where he can leverage five years of academic experience (including two years post-PhD) and three years of industrial experience in Electrical and Electronic Engineering to advance research in Renewable Energy, environmental protection, energy-efficient AI/ML, quantum computing, and blockchain technology, and to contribute to collaborative innovation and student development.

KNOWN LANGUAGES

- English (Proficiency: Full professional proficiency)
- Bengali (Native or bilingual proficiency)
- Hindi (Proficiency: Full professional proficiency)
- Mizo (Proficiency: Limited working proficiency)

EDUCATIONAL QUALIFICATIONS

- **DOCTOR OF PHILOSOPHY IN TECHNOLOGY (Ph.D.)**
National Institute of Technology Mizoram (2017-2022)
Electrical & Electronics Engineering Department
Thesis title: An improved model to harvest energy from high voltage lightning surge
Supervisor: Dr. Pabitra Kumar Biswas
- **MASTERS IN TECHNOLOGY (M.Tech)**
Maulana Abul Kalam Azad University of Technology (2014-2016)
(Formerly known as West Bengal University of Technology)
Netaji Subhash Engineering College
Power System in Electrical Engineering Department
Thesis title: Design and modelling of lightning energy plant
Supervisor: Dr. Subrata Biswas
- **BACHELORS IN TECHNOLOGY (B.Tech)**
West Bengal University of Technology (2009-2013)
Kanksa Academy of Technology & Management
Electrical Engineering Department
Dissertation title: Studies of Gas Insulated Substation

ACADEMIC EXPERIENCES

- **REGENT EDUCATION AND RESEARCH FOUNDATION**
- **Assistant Professor (Feb, 2023-Present)**
At Regent Education and Research Foundation, Dr. Jana delivers the B.Tech course on Renewable and Non-Conventional Energy and the Diploma course on Renewable Energy Plants, equipping students with both theoretical foundations and hands-on practice. He convenes the Institution's Innovation Council (IIC), R&D & IPR Cell, and the National Innovation and Startup Policy (NISP) Cell, and leads the "Kapila" IPR Program. Under his leadership, over 90+ innovative events, workshops, and hackathons have been organized. He also supervising four PhD candidates, mentors three incubated startups, and oversees eleven institutional research projects.
- **NATIONAL INSTITUTE OF TECHNOLOGY MIZORAM**
 - **Teaching assistant (March, 2018-Feb, 2022)**
As a PhD scholar at the National Institute of Technology Mizoram (March 2018 – February 2022), Dr. Jana conducted advanced research in renewable energy while serving as a teaching assistant for all renewable energy-related courses. He designed and led laboratory sessions on solar PV and wind energy systems, guided B.Tech and M.Tech final-year projects focused on renewable energy applications, and delivered lectures on renewable energy technologies to third- and final-year undergraduates. He also prepared course materials and examination papers for renewable energy modules and evaluated student submissions, developing deep expertise in both research and pedagogy within the renewable energy domain.
- **EMCONS BUSINESS ACADEMY**
 - **Guest lecturer (March, 2014-Feb, 2016)**
 - **Lecturer (March, 2013-Feb, 2014)**
During his tenure at Emcons Business Academy, Dr. Jana delivered core modules in Electrical Measurements and Engineering Drawing to diploma students, ensuring that each course was delivered in strict alignment with institutional policies and pedagogical standards. He developed comprehensive lesson plans, created and administered assessments, and adapted his teaching approach to meet the needs of a diverse student body. This role enhanced his ability to design curricula, manage classroom dynamics, and maintain high instructional quality across multiple cohorts.

INDUSTRIAL EXPERIENCES

- **NIL PRITHIBI TECHNOLOGY PVT. LTD.**

- **Research Scientist, Energy Department (April, 2022-Jan, 2023)**

- **Innovation Consultant (May, 2020-April, 2022)**

During his tenure at Nil Prithibi Technology, Dr. Jana designed and implemented end-to-end research and innovation processes, trained multidisciplinary teams, and oversaw the setup of an electrical products manufacturing facility. Promoted to Research Scientist, he founded and led the Energy Department, spearheading alternative renewable energy R&D programs, driving new technology development, and positioning the company at the forefront of sustainable energy solutions.

- **ELREVE INDUSTRIES PVT. LTD.**

- **Innovation Consultant (March, 2021-Feb, 2022)**

Led the launch of a start-up manufacturing facility for industrial steel and masonry products—including nuts, bolts, screws, nails, wires, and stone cutting & polishing. Developed and implemented process innovations to optimize production workflows, enhance product quality, and reduce waste. Collaborated with cross-functional teams on equipment selection, plant commissioning, and supplier evaluation, ensuring on-time ramp-up and delivery of high-performance industrial components.

- **ELRISING TECHNOLOGY SERVICES PVT. LTD.**

- **Innovation Consultant (June, 2019-Feb, 2021)**

Led the establishment of an innovation framework, defining processes and best practices to embed a culture of continuous improvement. Designed and delivered training programs on artificial intelligence and machine learning, upskilling cross-functional teams. Provided strategic guidance on integrating AI/ML modules into existing workflows and products, driving the successful launch of several pilot initiatives and positioning the company for sustained innovation.

SUPERVISING EXPERIENCES

- **PhD Students**

1. Digital Twin of Waterbody Underwater Monitoring System, Mr. Chiranjit Ghosh, EE Department, National Institute of Technology Mizoram, (2024-Present)
2. Portable Hydrogen Energy Refueling Station for Hydrogen Vehicles, Mr. Mrinmoy Das, EE Department, National Institute of Technology Mizoram, (2024-Present)
3. Hybrid Floating Device for Solar, Wind & Wave Energy Harvesting, Mr. Sourav Kundu, EE Department, National Institute of Technology Mizoram, (2025-Present)
4. AI Integrated Waterbody Waste Management System, Mr. Rupam Kumar Chatterjee, EE Department, National Institute of Technology Mizoram, (2025-Present)

- **B.Tech Student Groups**

5. AI Integrated Underwater 3D Mapping System, (2023-2024)
6. AI Integrated Distributed Border Intrusion Detection, (2023-2024)
7. Microalgae Based Multi-Source Renewable Energy Harvesting, Carbon Capturable Artificial Tree, (2023-2024)
8. Hybrid Floating Device for Solar, Wind & Wave Energy Harvesting, (2023-2024)
9. Rooftop Rain water to Green Hydrogen Generation, (2024-2025)
10. Solar Energy Harvesting Technology using Artificial Photosynthesis, (2024-2025)
11. Anti-Solar Panels: Harvesting Energy at Night, (2024-2025)
12. A Novel NFC based Biometric integrated QR Code System, (2024-2025)
13. Brain wave to Text Conversion System, (2025-Present)
14. Multiverse Protection Algorithm, (2025-Present)
15. Self-Aware Quantum AI for Intelligent Energy Networks, (2025-Present)

- **Startups**

16. Aquavision: AI Integrated underwater 3D Mapping System, IIT Tirupati Navishkar I-Hub foundation (2024-Present)
17. PlantoPlast: A biodegradable composite material as a regular use plastic alternative, Nil Prithibi Technology Private Limited (2024-Present)
18. Treeng: An AI integrated Spoken Language Learning Platform, Elrising Technology Services Private Limited (2023-Present)

R&D PROJECTS

- **Jana, S.** (2023). *Bamboo Fibre Reinforced Biodegradable Plastic Bag alternative*. R&D Project, Grant No. IDEAWB005674. Initiated on 12.07.2023, Status: Ongoing. Funded by the Ministry of Micro, Small & Medium Enterprises. Hosted by Haldia Institute of Technology. Grant Amount: ₹15,00,000.
- **Jana, S.** (2019). *System to Store Energy from High Voltage Impulse*. R&D Project, Grant No. NITMZ/GRTO/EEE/2019/120309. Initiated on 12.03.2019, Status: Completed. Funded and Hosted by the National Institute of Technology Mizoram. Grant Amount: ₹7,00,000.

CONSULTANCY PROJECTS

- **Jana, S.** (2024). *An innovative Bamboo Fibre Reinforced Biodegradable Single use Plastic Bag manufacturing Facility*. Industrial Project, Initiated on 10.12.2024, Status: Ongoing. Project Cost: ₹40,00,000.

PATENTS

- **Jana, S., Biswas, P. K., Debnath, S., Debnath, A., & Dey, B.** (2024). *A System to Store High Voltage Surge*. Indian Patent No. 516905. Granted February 28, 2024, (Utility, Granted).
- **Jana, S., Khiangte, L., & Biswas, P. K.** (2024). *Dual Kite-Based Continuous High Altitude Wind Power Generation System*. Indian Patent No. 506127. Granted February 1, 2024 (Utility, Granted).
- **Jana, S., Laldingliana, J., & Biswas, P. K.** (2023). *Parafoil Kite Controller Using Linear Actuators*. Indian Patent No. 471363. Granted November 21, 2023 (Utility, Granted)
- **Jana, S., & Babu, T. S.** (2024). *Gravity Gearbox System for Renewable Energy Harvesting in Hybrid Floating Device*. Patent Application No. 202431058349. Filed August 1, 2024 (Utility, Published).
- **Jana, S., & Babu, T. S.** (2024). *Hybrid Floating Device for Harvesting Solar, Wind and Wave Energy*. Indian Patent Application No. 202431058350. Filed August 1, 2024 (Utility, Published).
- **Jana, S.** (2024). *Biodegradable Composite Material for Enhanced Soil Decomposition as a Sustainable Plastic Alternative*. Application No. 202431051322. Filed July 4, 2024 (Utility, Published).
- **Jana, S. et al.** (2025). *AI-Integrated Semi-Submersible System for Real-Time Waterbody Monitoring, 3D Underwater Mapping and Environmental Analysis*, Indian Patent Application No. 202531052604. Filed May 30, 2025 (Utility, Filed)
- **Jana, S., & Mukherjee, S.** (2025). *Microalgae-Based Multi-Source Renewable Energy Harvesting Carbon Capturable Artificial Tree*. Indian Patent Application No. 202531001424. Filed January 07, 2025 (Utility, Filed).

- **Jana, S., & Biswas, P. K. (2024).** *Advanced AI-Driven Semi-Submersible Sensing System for Dynamic Water Body Analysis*. Patent Application No. 202431034808. Filed May 2, 2024 (Utility, Filed).
- **Jana, S., & Biswas, P. K. (2024).** *Multi-Layered Four-Dimensional QR Code System with Biometric Authentication*. Indian Patent Application No. 202431031350. Filed April 19, 2024 (Utility, Filed).
- **Jana, S., & Pattanayak, S. (2023).** *An Energy Harvesting Apparatus for Seamless Solar to Wind Energy Transition and Vice Versa*. Indian Patent Application No. 202331063820. Filed September 22, 2023 (Utility, Filed).

TECHNOLOGY TRANSFERS

- System to Store High Voltage Surge, **National Institute of Technology Mizoram**.
- Dual Kite-Based Continuous High Altitude Wind Power Generation System, **Ola Electric**.
- Parafoil Kite Controller Using Linear Actuators, **Ola Electric**.
- Biodegradable Composite Material for Enhanced Soil Decomposition as a Sustainable Plastic Alternative, **Nil Prithibi Technology Private Limited**.

PUBLICATIONS

- **S. Jana, P. K. Biswas, T. S. Babu and H. H. Alhelou**, “*An improved parametric method for selecting different types of tesla transformer primary coil to construct an artificial lightning simulator*,” IEEE Access, 2023.
- **S. Jana, P. K. Biswas and Chiranjit Sain**, “*Mathematical modeling of impulse island controller to safely store the energy from high voltage lightning impulse*,” Energy Storage, Vol. 4, Issue 4, pp. 1-11, 2022.
- **S. Jana and P. K. Biswas**, “*Feasibility Analysis of Supercapacitor for Lightning Energy Conversion System*,” International Journal of Innovative Technology and Exploring Engineering, Vol. 9, Issue 10, 2020.
- **S. Jana and P. K. Biswas**, “*Tesla primary coil Selectivity analysis for lightning simulator using Ansys environment*,” Journal of Power Technologies, 2024. [Accepted]
- **S. Jana, P. K. Biswas, T. S. Babu and H. H. Alhelou**, “*A novel method to safely store lightning energy into small capacity supercapacitor using impulse island controller*,” Measurement, 2024. [Accepted]
- **C. Ghosh, P. Kumar Biswas, and S. Jana**, " *A Comprehensive Review of Advanced Technologies for Waterbody Monitoring Incorporating IoT, AI, ML and Sensor-Based Solutions*," International Conference on Energy, Environment, and Green Technology (ICEEGT 2025), NITTTR Kolkata, India 2025.
- **S. K. Dey, C. Ghosh, S. Jana, M. Basu, and D. P. Dash**, " *A Comprehensive Review of Advanced Technologies for Waterbody Monitoring Incorporating IoT, AI, ML and Sensor-Based Solutions*," International Conference on Energy, Environment, and Green Technology (ICEEGT 2025), NITTTR Kolkata, India 2025.
- **C. Ghosh, P. Kumar Biswas, and S. Jana**, " *Multi-area Optimal Dispatch Incorporating with Renewable Energy Sources*," International Conference on Energy, Environment, and Green Technology (ICEEGT 2025), NITTTR Kolkata, India 2025.

- S. K. Dey, C. Ghosh, **S. Jana**, M. Basu, and D. P. Dash, " *Enhanced Multi-Area Power Dispatch Using Quasi-Oppositional Differential Evolution: A Renewable Energy and Storage Optimization Framework*," International Conference on Smart Technology for Emerging Problems (STEP 2025), GMIT Kolkata, India 2025.
- **S. Jana**, P. K. Biswas and U. Das, " *Integration of Supercapacitive storage in Renewable Energy system to compare the response of two level and five level inverters with RL type Load*", AIP Proceedings of International Conference on electrical, electronics, materials and applied science, Vol. 1952, pp. 0201091- 0201095, 2017.
- **S. Jana**, S. Biswas and P. K. Biswas, " *Methodological model of Lightning Energy Plant integrated with different energy extraction processes to harness Lightning Energy*," 2018 4th International Conference on Electrical Energy Systems (ICEES), Chennai, India, pp. 229-233, 2018.
- **S. Jana** and P. K. Biswas, " *Numerical Computational analysis of supercapacitive storage with various type of loads to measure the response of five level inverter to integrate with lightning energy storage system*," 2018 4th International Conference on Electrical Energy Systems (ICEES), Chennai, India, pp. 358-363, 2018.
- **S. Jana** and P. K. Biswas, " *Realtime imitation based numerical computational analysis of Lightning spark to store energy within supercapacitor integrated with Seven Level inverter*", Research Conclave 2018: An Amalgamation of Academia, Industry & Start-ups, IIT Guwahati, Assam, 2018.
- **S. Jana**, P. K. Biswas and U. Das, " *Numerical Computational Analysis of Lightning Energy Storage System Using Single Stage Two Level Impulse Generator*," 2018 2nd International Conference on Power, Energy and Environment: Towards Smart Technology (ICEPE), Shillong, India, pp. 1-6, 2018.
- R. V. Castelino, **S. Jana**, R. Kumhar, N.K. Singh, " *Optimization and development of Solar power system under diffused sunlight condition in rural areas with Supercapacitor integration*", International Conference on electrical, electronics, materials and applied science, Swami Vivekananda Institute of Technology, Hyderabad, India, 2017.
- R. V. Castelino, **S. Jana**, R. Kumar, " *Analytical and experimental study of Parafoil Kite force with different angle of attack in ANSYS environment for wind energy generation*", International Conference on New Frontiers of Engineering, Science, Management and Humanities, Institution of Electronics and Telecommunication Engineers, Chandigarh, December, 2017.
- R. V. Castelino, **S. Jana**, " *Analytical and Numerical computational experiment to perceive the response of high-altitude Wind energy system using Kite*", 2018 IEEE International Conference on Electrical Energy Systems, SSN College of Engineering, Chennai, 2018.
- R. V. Castelino, **S. Jana**, R. Kumar, " *Analytical and experimental study of Parafoil Kite force with different angle of attack in ANSYS environment for wind energy generation*", International Journal of Electronics, Electrical and Computational System, Vol. 6, Issue 12, pp. 33-38, 2017.
- R. V. Castelino, **S. Jana** and P. K. Biswas, " *Analysis of realtime inverter for Kite energy system using TI-C2000 Microcontroller*", 2018 IEEE International Conference on Energy, Power and Environment, NIT Meghalaya, Shilong, Meghalaya, 2018.

CERTIFICATIONS

- **Jana, S.** (2025). Certificate of Completion in *Innovation Ambassador (IA) Training – Advanced Level*. Organised by the Ministry of Education's Innovation Cell and AICTE during the IIC Calendar Year 2024–2025. Issued 2024.

- **Jana, S.** (2025). Certificate of Completion in *Innovation Ambassador (IA) Training – Foundation Level*. Organised by the Ministry of Education's Innovation Cell and AICTE during the IIC Calendar Year 2024–2025. Issued 2025.
- **Jana, S.** (2024). Certificate of Participation in *Innovation Design and Entrepreneurship (IDE) Bootcamp, SIH 2023 Phase II*. Organised by the All India Council for Technical Education (AICTE). Issued January 2024.
- **Jana, S.** (2023). Certificate for *Mentorship at Smart India Hackathon 2023 Grand Finale, Runner Up*. Organised by Smart India Hackathon 2023. Issued December 2023.
- **Jana, S.** (2023). Participant in *VLSI to System Design: Silicon to End Application Approach*. Organized by All India Council for Technical Education (AICTE), Arm Education, and STMicroelectronics. Held in August 2023.
- **Jana, S.** (2023). Participant in *IIoT World Energy Day*. Organized by IIoT World. Held in June 2023.
- **Jana, S.** (2023). Participant in *Faculty Development Program on Writing & Securing Grants for Technical Institutions*. Organized by Regent Education & Research Foundation. Held in June 2023.
- **Jana, S.** (2023). Participant in *Recent Trends in Application of Communication System*. Organized by Regent Education & Research Foundation and IEEE MTT-S SBC, Jadavpur University. Held in May 2023.
- **Jana, S.** (2022). Participant in *Multidisciplinary Business Training during the National Bamboo Innovation Challenge*. Organized by the Office of the Principal Scientific Adviser to the Gov. of India, Foundation for MSME Clusters, and Finovista. Held in October 2022.
- **Jana, S.** (2020). Participant in *IEEE-PES Workshop on Power Equipment Condition Monitoring*. Organized by IEEE Power and Energy Society at National Institute of Technology Mizoram, Electrical & Electronics Engineering Department. Held in March 2020.
- **Jana, S.** (2020). Participant in *NaMPET Workshop on Power Electronics Converters for Machine Drives*. Organized by National Mission on Power Electronics Technology at National Institute of Technology Mizoram, Electrical & Electronics Engineering Department. Held in February 2020.
- **Jana, S.** (2019). Participant in *All India Seminar on Scope and Opportunity of Small Hydro and Wind Power in North Eastern Region of India*. Organized by National Institute of Technology Mizoram, Mechanical Engineering Department. Held in November 2019.
- **Jana, S.** (2019). Participant in *National Conference on Functional Materials and Applications*. Organized by National Institute of Technology Mizoram, Physics Department. Held in November 2019.
- **Jana, S.** (2018). Participant in *Workshop on Patent Writing and Copyright*. Organized by Indian Institute of Technology Guwahati. Held in May 2018.
- **Jana, S.** (2018). Participant in *GIAN Course on Energy and Exergy*. Organized by Global Initiative of Academic Networks at National Institute of Technology Mizoram, Mechanical Engineering Department. Held in February 2018.
- **Jana, S.** (2013). *Intern* at Power Grid Corporation of India Ltd. Held in May 2013.
- **Jana, S.** (2013). *Intern* at NTPC-SAIL Power Company Limited. Held in April 2013.
- **Jana, S.** (2013). *Trainee* in PLC Training at Orion Infotech Consultancy Pvt. Ltd. Held in March 2013.

EDITORIAL EXPERIENCES

- Frequent reviewer of **Renewable & Sustainable Energy Reviews**, Elsevier
- Frequent reviewer of **Electric Power Components and Systems**, Taylor and Francis Online
- Frequent reviewer of **American Journal of Electrical Power and Energy Systems**, Science Publishing
- Frequent reviewer of **Clean energy**, Oxford university press

KNOWN INDUSTRIAL SOFTWARES

- **ANSYS Electronics and Workbench** (Proficiency: Full professional proficiency)
- **AUTOCAD Electrical** (Proficiency: Full professional proficiency)
- **MATLAB and Simulink** (Proficiency: Full professional proficiency)
- **NI Circuit design suit** (Proficiency: Full professional proficiency)
- **Origin Lab Pro** (Proficiency: Full professional proficiency)
- **SketchUp Pro** (Proficiency: Full professional proficiency)

KNOWN PROGRAMMING LANGUAGES

- **Python** (Proficiency: Full professional proficiency)
- **HTML/ CSS** (Proficiency: Full professional proficiency)
- **React/NodeJS** (Proficiency: Limited working proficiency)
- **C/C++/C#** (Proficiency: Limited working proficiency)

EXTRA CURRICULAR ACTIVITIES

- As a **Mentor** of "Aquavision: AI Integrated underwater 3D Mapping System" incubated and mentoring student team in IIT Tirupati Navishkar I-Hub foundation.
- As a **Mentor** of "Aquavision: AI Integrated underwater 3D Mapping System" Achieved Runner-up Position at Smart India Hackathon 2024 Grand Finale.
- As a **Mentor** of "Ecofusion Floating Plant: Hydropower Genesis" Achieved Runner-up Position at Smart India Hackathon 2023 Grand Finale.
- As an **Incubatee** of "Bamboo Fibre Reinforced Biodegradable Plastic Bag alternative" won the grant at MSME Hackathon 2022 and incubated in Haldia Institute of Technology.
- **Organized Events at Regent Education and Research Foundation as Convener, R&D and IPR**
 1. The Grand Research Sprint, Regent Education and Research Foundation, (August, 2024)
 2. The Intersection of Innovation and Market need: Achieving Value Proposition and Business fit, (August, 2024)
 3. Empowering Energy Startups: The Critical Role of Mentorship, (August, 2024)
 4. Internal Hackathon for Smart India Hackathon 2024, Regent Education and Research Foundation, (August, 2024)
- **Organized Events at Regent Education and Research Foundation as Convener, IIC Cell**
 5. Innovation Showcase: Demo Day/Exhibition/Poster Presentation of Innovations/Prototypes & linkage with Innovation Ambassadors/Experts for Mentorship Support, Regent Education and Research Foundation, (April, 2025).
 6. Organize an Inter/Intra Institutional Innovation Competition/Challenge/Hackathon and Reward

- the Best Innovations and deposition in the Institution's YUKTI Innovation Repository, Regent Education and Research Foundation, (April, 2025).
7. Session on Achieving Problem-Solution Fit & Product-Market Fit, Regent Education and Research Foundation, (March, 2025).
 8. Workshop on Design Thinking, Critical Thinking and Innovation Design, Regent Education and Research Foundation, (March, 2025).
 9. Workshop on Effective Sales and Marketing Strategies for Entrepreneurs / Start-ups, Regent Education and Research Foundation, (February, 2025).
 10. Field/Exposure Visit to Pre-incubation Units such as AICTE Idea Lab, Fab Lab, Makers Space, Design Centers, City MSME Clusters, Workshops etc., Regent Education and Research Foundation, (February, 2025).
 11. Expert Talk on "Process of Innovation Development & Technology Readiness Level (TRL)" & "Commercialization of Lab Technologies & Tech-Transfer", Regent Education and Research Foundation, (February, 2025).
 12. National Science Day, Regent Education and Research Foundation, (February, 2025).
 13. National Startup Day, Regent Education and Research Foundation, (February, 2025).
 14. National Youth Day, Regent Education and Research Foundation, (February, 2025).
 15. Idea Showcase: Demo Day/Exhibition/Poster Presentation of Ideas/PoC & linkage with Innovation Ambassadors/Experts for Mentorship Support, Regent Education and Research Foundation, (January, 2025).
 16. Developing an Entrepreneurial Growth Mindset: Overcoming Challenges and Thriving, Regent Education and Research Foundation, (January, 2025).
 17. Basics of Intellectual Property Rights and Its Importance for Innovators and Entrepreneurs, Regent Education and Research Foundation, (January, 2025).
 18. Session on Problem Solving and Ideation Workshop, Regent Education and Research Foundation, (January, 2025).
 19. Organize an Inter/Intra Institutional Idea Competition/Challenge/ Hackathon, and Reward the Best Ideas and deposition in the Institution's YUKTI Innovation Repository, Regent Education and Research Foundation, (January, 2025).
 20. Handicrafts: Business Haat, Regent Education and Research Foundation, (January, 2025).
 21. The Entrepreneurial Power of Self-Motivation: Unlocking Your Inner Drive, Regent Education and Research Foundation, (January, 2025).
 22. National Education Day, Regent Education and Research Foundation, (January, 2025).
 23. National Energy Conservation Day (India), Regent Education and Research Foundation, (December, 2024).
 24. Session on MIC Programs & Schemes with Dr. Abhay Jere, Regent Education and Research Foundation, (December, 2024).
 25. My Story – Motivational Session by Successful Innovators, Regent Education and Research Foundation, (December, 2024).
 26. Empowering the Next Generation: Building Motivation and Entrepreneurial Skills in a Rapidly Changing World, Regent Education and Research Foundation, (December, 2024).
 27. Inspiring Entrepreneurial Mindsets and Growth, Regent Education and Research Foundation, (December, 2024).
 28. Battle of Wits: A Debate Competition on "In the Present VUCA Environment, Entrepreneurship is Better than Employment", Regent Education and Research Foundation, (December, 2024).
 29. Nirmitti 2024 Startup Conclave, Regent Education and Research Foundation, (December, 2024).
 30. National Pollution Control Day, Regent Education and Research Foundation, (December, 2024).
 31. Fostering Entrepreneurial Spirit and Motivation, Regent Education and Research Foundation,

(November, 2024).

32. From Idea to Impact – Motivational Session by Successful Entrepreneur/Start-up Founder, Regent Education and Research Foundation, (November, 2024).
33. Innovation Day, Regent Education and Research Foundation, (November, 2024).
34. National Entrepreneurship Day, Regent Education and Research Foundation, (November, 2024).
35. The Role of Education and Skill Development in Entrepreneurial Motivation, Regent Education and Research Foundation, (November, 2024).
36. BIZQUIZ: Cultivating Idea toward Entrepreneurship, Regent Education and Research Foundation, (November, 2024).
37. Workshop on “Entrepreneurship and Innovation as Career Opportunity”, Regent Education and Research Foundation, (November, 2024).
38. World Entrepreneur Day: The future entrepreneurship: trends and opportunities, Regent Education and Research Foundation, (August, 2024)
39. The Intersection of Innovation and Market need: Achieving Value Proposition and Business fit, (August, 2024)
40. Empowering Energy Startups: The Critical Role of Mentorship, (August, 2024)
41. Internal Hackathon for Smart India Hackathon 2024, Regent Education and Research Foundation, (August, 2024)
42. Pre-Incubation Introductory Program, Regent Education and Research Foundation, (August, 2024)
43. Pitch Deck Competition for Individual, Regent Education and Research Foundation, (August, 2024)
44. Orientation cum Refreshers’ Session on Institution's Innovation Council Objectives, Structure, Operation for IIC Institutions, Regent Education and Research Foundation, (August, 2024)
45. Combining Project Management and Entrepreneurship with Lean Start-up & Minimum Viable Product, Regent Education and Research Foundation, (August, 2024)
46. Innovations in Railway Engineering: Insights from Industry Expert, Regent Education and Research Foundation, (August, 2024)
47. Ethics and Social Responsibility in Entrepreneurship, Regent Education and Research Foundation, (August, 2024)
48. Building the Pipeline of Quality Innovations and Startups in HEIs with Ecosystem Enablers by Creating and Managing YUKTI Innovation and IPR Repository (YIIR), Regent Education and Research Foundation, (August, 2024)
49. Independence Day Celebration: Interactive workshop focused on ‘India’s independence history and post-independence Startup culture, Regent Education and Research Foundation, (August, 2024)
50. 4th anniversary of NEP 2020: A four-year journey of transformation in Indian Education, Regent Education and Research Foundation, (July, 2024)
51. Workshop on Innovation and Entrepreneurship with National Level Startup Ecosystem Enabler: Shaping the Future Start-up Ecosystem, Regent Education and Research Foundation, (July, 2024)
52. Guiding Framework for Creating and Engaging Trained Faculty and Student IIC Members Innovation Ambassadors (IA) in IIC Institutions and Rewarding Mechanisms for IAs, Regent Education and Research Foundation, (July, 2024)
53. Startup and Entrepreneurship at School Level: An Outreach Program by RERFGI, Regent Education and Research Foundation, (July, 2024)
54. Strengthening IIC Linkages with ATLs and SICs in Schools and Framework for providing Mentorship Guidance, Regent Education and Research Foundation, (July, 2024)
55. Pitch Deck Competition for Teams, Regent Education and Research Foundation, (June, 2024)

56. Supporting Student and Faculty Entrepreneur: A Guide to Accelerator and Incubation Program”, Regent Education and Research Foundation, (June, 2024)
57. World Environment Day: Workshop on Startup Ecosystem for environmental impact, Regent Education and Research Foundation, (June, 2024)
58. Workshop on Creative Solutions: Design Thinking for Innovation, Regent Education and Research Foundation, (May, 2024)
59. Entrepreneur's Canvas: Poster Presentation on Business Model, Regent Education and Research Foundation, (May, 2024)
60. Idea in Action: Business Model Pitch Competition, Regent Education and Research Foundation, (May, 2024)
61. Webinar on Entrepreneurship Foundation: Legal and Ethical Pathways in Startup Planning, Regent Education and Research Foundation, (May, 2024)
62. One Week Faculty Development Program on DreamWeaving II: The Art of Entrepreneurial Success, Regent Education and Research Foundation, (May, 2024)
63. Webinar on Mapping Your Future: The Art of the Business Model Canvas, Regent Education and Research Foundation, (May, 2024)
64. Workshop on IP Essentials: Managing Intellectual Property for New Ventures, Regent Education and Research Foundation, (May, 2024)
65. Workshop on The Art of Prototyping: Designing Processes for Tomorrow’s Solutions, Regent Education and Research Foundation, (May, 2024)
66. Webinar on Concept to Creation: Validating Innovations and Prototypes, Regent Education and Research Foundation, (May, 2024)
67. National Technology Day (The Art of Prototyping: Designing Prototypes for Next Generation Renewable Energy Systems), Regent Education and Research Foundation, (May, 2024)
68. Webinar on Next-Level Prototyping: Mastering Refinements in Product Development, Regent Education and Research Foundation, (May, 2024)
69. World Intellectual Property Day Celebration (Necessity of IPR Protection for Thechnological Innovations), Regent Education and Research Foundation, (April, 2024)
70. World Creativity and Innovation Day Celebration (Advanced Power Electronics Innovations for Prototyping Electric Vehicles), Regent Education and Research Foundation, (April, 2024)
71. International Women's Day celebration: Cultural Kaleidoscope, Regent Education and Research Foundation, (March, 2024)
72. One Week Faculty Development Program on Dreamweaving: The Art of Turning Ideas into Creative Reality, Regent Education and Research Foundation, (February, 2024)
73. Webinar on Innovation Development & Technology Readiness Level, Regent Education and Research Foundation, (February, 2024)
74. Webinar on Machine Learning: Unlocking New Possibilities in Problem-Solving, Regent Education and Research Foundation, (February, 2024)
75. Webinar on Creative Catalyst: Enhancing Innovative Thinking, Regent Education and Research Foundation, (February, 2024)
76. Webinar on Entrepreneurship Skill, Attitude, and Behaviour Development, Regent Education and Research Foundation, (February, 2024)
77. Webinar on Problem-Solution Fit & Product-Market Fit, Regent Education and Research Foundation, (February, 2024)
78. 38th National Science Day Celebration, Regent Education and Research Foundation, (February, 2024)
79. Workshop on Design Thinking, Critical Thinking, and Innovation Design, Regent Education and Research Foundation, (January, 2024)

80. Poster Presentation and Design Competition on design thinking, critical thinking, and innovation design, Regent Education and Research Foundation, (January, 2024)
81. Energy Conservation Day Celebration, Regent Education and Research Foundation, (January, 2024)
82. Pollution Control Day Celebration, Regent Education and Research Foundation, (January, 2024)
83. National Youth Day Celebration, Regent Education and Research Foundation, (January, 2024)
84. Viksit Bharat@2047: Voice of Youth, Regent Education and Research Foundation (December, 2023)
85. Motivational Session on Innovator's Life & Crossroads II, Regent Education and Research Foundation (November, 2023)
86. One Day Workshop on Entrepreneurship and Innovation as Career Opportunity, Regent Education and Research Foundation (November, 2023)
87. National Education Day Celebration, Regent Education and Research Foundation (November, 2023)
88. National Entrepreneurship Day Celebration, Regent Education and Research Foundation (November, 2023)
89. National Innovation Day Celebration, Regent Education and Research Foundation (October, 2023)
90. Seminar on Magnetic Levitation and Its Innovative Applications, Regent Education and Research Foundation (September, 2023)
91. Internal Hackathon for Smart India Hackathon 2023, Regent Education and Research Foundation (September, 2023)
92. Inter-Department Technical Quiz Competition and Debate Competition, Regent Education and Research Foundation (September, 2023)
93. Motivational Session on Innovator's Life & Crossroads, Regent Education and Research Foundation (September, 2023)

- **Volunteered at National Institute of Technology Mizoram as Organizing Member:**

1. IEEE-PES Workshop on Power Equipment Condition Monitoring, Electrical & Electronics Engineering Department (March 2020)
2. NaMPET Workshop on Power Electronics Converters for Machine Drives, Electrical & Electronics Engineering Department (February 2020)
3. All India Seminar on Scope and Opportunity of Small Hydro and Wind Power in North Eastern Region of India, Mechanical Engineering Department (November 2019)