

Dr. Sujata Deb**Ph.D., M.Sc. (Physics), B.Ed.***Associate Professor**Department of Physics**School of Applied Sciences**University of Science & Technology Meghalaya**Ri-Bhoi, Meghalaya-793101, India**(Former Head of Department, Associate Dean (Admission), Physics & Founding Faculty (2009–2025); Founding Head, Human Resource Development Centre (HRDC), RGU, Assam, India)***Scopus-ID:** 55918196600**Google Scholar-ID:** b_SI0FsAAAAJ**Vidwan-ID:** 178904**ORCID-ID:** 0000-0001-6482-7523**Researcher-ID:** ABK-1309-2022**Mobile:** +91-9864200175**E-mail:** sujatabmk@gmail.com**Profile Link:** https://scholar.google.com/citations?user=b_SI0FsAAAAJ&hl=en**EDUCATIONAL PROFILE****Ph.D., Gauhati University, Assam, India***First class (9.5 GPA in Ph.D. course work)**(Nanoscience & nanotechnology)***M.Sc., Physics, Gauhati University, Assam, India***First class**Two specializations: (i) Nuclear Physics and (ii) High Energy Physics***B.Sc. (Honours) Physics, Gauhati University, Assam, India***First class with distinctions***PROFESSIONAL QUALIFICATION**

- **Bachelor of Education (B.Ed.) from Gauhati University, Assam, India**
- Certificate Course in Computer Programming from NIIT, Guwahati, Assam, India.

AREAS OF SPECIALIZATION

- Core/Shell nanostructured materials
- II-VI chalcogenide nanocomposites
- 2D materials
- Semiconductor Nanostructures, Quantum dots
- Nano-optoelectronic materials and devices

PROFESSIONAL ASSOCIATION

- **Life Member**, Indian Society of Technical Education (ISTE)
- **Life Member**, Electron Microscope Society of India (EMSI)
- **Life Member**, Magnetism Society of India (MSI)
- **Life Member**, Physics Academy of the North East (PANE)

ACADEMIC EXPERIENCE

PLACE OF EMPLOYMENT	TOTAL EXPERIENCE (ACADEMIC)
University of Science & Technology Meghalaya (USTM) Ri-Bhoi, Meghalaya-793101, India	5 months (approx.) <i>Currently</i>
The Assam Royal Global University (erstwhile Royal Group of Institutions), Assam, India	16 years (approx.)
Other Institutions	07 years (approx.)
Teaching Experience (Academic)	Over 23 years (approx.)

RESEARCH EXPERIENCE

- **Over 14 (Fourteen) Years**

RECOGNITION AS JOURNAL REVIEWER

- Journal of Physics D: Applied Physics
- Journal of Physics: Condensed Matter
- Materials Research Express
- Physica Scripta
- Nanotechnology
- Recent Advances in Electrical & Electronic Engineering
- Journal of Crystal Growth and others

ACADEMIC & ADMINISTRATIVE EXPERIENCE

- DEPARTMENT OF PHYSICS, UNIVERSITY OF SCIENCE & TECHNOLOGY MEGHALAYA (USTM)
 - ❖ **Position:** *Associate Professor (presently)*
- DEPARTMENT OF PHYSICS, THE ASSAM ROYAL GLOBAL UNIVERSITY (RGU)
 - **Founding Faculty of the Department of Physics**, Royal Global University (RGU) erstwhile Royal Group of Institutions.

Duration: July 1, 2009- July 7, 2025 (16 years-approx.).
 - **Position (last held):** *Associate Professor and Associate Dean (Admission)*
 - **Former Head of the Department of Physics, RSAPS**
 - **Coordinator, Memorandum of Understanding (MoU)**, Royal Global University (Arya Vidyapeeth College (Autonomous), Guwahati, Assam).
 - **Member**, Department of Physics, RGU Syllabus Committee for UG & PG program (in alignment with NEP 2020 guidelines).
 - **Coordinator**, Department's academic programs
 - Involvement in curriculum development
 - **Chairperson**, DRC
 - Member secretary, DRC
 - **Member, Board of Studies (BOS)**, RSAPS
 - **Associate Dean (Admission)**, Department of Physics, RGU
 - **Supervisor: Final Year B.Sc. (H), M.Sc. Physics and Ph.D. scholars**
 - **Involvement in preparation of departmental SSR for NAAC**
 - **Involvement in departmental webinar conduction**
 - Paper Examiner and scrutinizer of Gauhati University, Guwahati, Assam.
 - Paper Examiner and scrutinizer of ASTU, Guwahati, Assam.
 - **Student Mentor & Coordinator, Co-curricular Activities**
- COMMITTEE INVOLVEMENT/ OTHER PROFESSIONAL SERVICE
 - **Led the Human Resource Development Centre (HRDC) at Royal Global University (RGU)** from its inception until 2024, facilitating professional development programs for faculty and staff.
 - **Member of multiple university committees, RGU**

Responsibilities: Contributing to various administrative and academic events.

- ❖ **Member, Internal Research Advisory Committee.**
- ❖ **Member, Hostel Disciplinary Committee.**
- ❖ **Member, Academic Council**, Assam Royal Global University, Guwahati, Assam.
- ❖ External member, **Board of Studies (BOS)**, RSBSC, Assam Royal Global University, Guwahati, Assam.
- ❖ **Member, Central Sophisticated Instrumentation Facility.**
- ❖ **Advisor and Committee Member for various Convocation Committees (2022-2024):** Contributed to the planning and execution of university convocation events.
- ❖ **Member, PURSE, DST**
- ❖ Member in **International Conference** on Emerging Areas in Science and Technology (EAST 2021), held on 2nd June, 2021, RSAPS, Royal Global University, Guwahati, Assam, India.
- ❖ Member of organizing committee for “Science Conclave” held on November 15-16, 2018, Royal Global University, Guwahati, Assam, India.
- ❖ Member of Royal Centre for Persons with Disabilities (RCPD).
- ❖ **Member, organizing/inauguration committee, Consensio (2016, 2017)**
- ❖ **Member, core executive committee, Literary section (Literarum, 2015)**
- ❖ **Member, various organizing committees, RSET in RGI.**
- ❖ **External examiner for Practical examinations held under ASTU and G.U. at GIMT and NITS, Mirza.**
- ❖ **Coordinator to events under Rivers talk- North East Literary festival (2016):**
 - In conversation with Upamanya C.
 - Reading session
 - Book Release
- ❖ **Coordinator, UG/PG Orientation, event of RSAPS.**
- ❖ **Coordinator, Parents Open House Session during UG orientation.**
- ❖ **Head, Anti-Addiction Committee (Girl’s wing) (2013).**
- ❖ **Convenor, Consensio (2013).**
- ❖ **Coordinator in organizing ISTE Students’ convention (2012).**
- ❖ **Member, organizing committee of a workshop on ‘Mathematics for Engineering Aspirants, 2015.**
- ❖ **Co-coordinator, Consensio (2015).**
- ❖ **Co-coordinator, Community work-such as RGI flood relief Campaign (2014).**

- ❖ Co-coordinator, "Satrangi Sapne" Independence Day 2025 celebration, August 13, 2025, organised by the Department of Physics at the University of Science & Technology Meghalaya (USTM). The event was held at the Kasturi Child Care Home, Six Mile, Guwahati.

AWARDS/HONOURS/ACHIEVEMENTS

- Academic excellence felicitation (2019)
- Academic excellence felicitation (2017)
- Merit Scholarship (Govt. of Assam)
- Principal Investigator of a Medium-term project under INUP-i2i programme 2021-2022, funded by MeitY, Government of India.
- Student Research Project, RGU Internal Research Grant (Sanction date: 12 July 2022).
Role: Faculty Supervisor (Mentored M.Sc. students)
- Principal Investigator: Funding Agency: ANRF (erstwhile SERB) / Scheme: Core Research Grant (CRG) (Progressed to the final evaluation stage and concluded there), 2023.
- **RESEARCH GUIDANCE**
 - Ph.D. scholars: Ongoing**
 - Full name of the Scholar: Longkhraw Khongiang
 - Full name of the Scholar: Snarmon Lato
- **P.G. & UG (PROJECT GUIDANCE)**
 - Total = 38 students**
 - PG (32 students)
 - UG (6 students)

CONVENER

- Convener, an invited talk on Simulation Technique with Python coding, organised by the Department of Physics, RSAPS, in collaboration with Arya Vidyapeeth College, Guwahati, as part of our MoU activities on 28th October 2024.
- Convener, One-Day Badminton Tournament, organised by the Department of Physics, RSAPS, in collaboration with Arya Vidyapeeth College, Guwahati, as part of our MoU activities on 26 September, 2024.
- Convener, Faculty Colloquium, organized by Human Resource Development Centre of The Assam Royal Global University from 8 July-1 August 2024.

- Convener, Two-Day Online Workshop on MATLAB and Simulink for Beginners, organized by Human Resource Development Centre of The Assam Royal Global University (18-19 January 2024).
- Convener, Faculty Colloquium, organized by Human Resource Development Centre of The Assam Royal Global University from 30 June-26 July, 2023.
- Convener, Induction programme for faculty & academic staff members, organized by Human Resource Development Centre of The Assam Royal Global University on 21 June 2023.
- Convener, an invited talk, on the topic “Research Funding Opportunity” organized by Human Resource Development Centre of The Assam Royal Global University, on 6th June 2023.
- Convener, Faculty Colloquium, organized by Human Resource Development Centre of The Assam Royal Global University from 18 July-14 Sep., 2022.
- Convener, One-Day Workshop on “The Perspectivity Game” for the Faculties of RGU, organized by Human Resource Development Centre of The Assam Royal Global University on 1st July 2022.
- Convener, Faculty Colloquium, organized by Human Resource Development Centre of The Assam Royal Global University from 5 June-11 Dec, 2021.
- Convener, Faculty Seminar Series (Faculty Colloquium, 2020), organized by Human Resource Development Centre of The Assam Royal Global University from 17th Oct-14th Dec, 2020.
- Convener, Faculty Colloquium, January 2020, organized by Human Resource Development Centre of The Assam Royal Global University.
- Convener, Faculty Colloquium (January 2020), organized by Human Resource Development Centre of The Assam Royal Global University.
- Convener, Faculty Colloquium (July 2019), organized by Human Resource Development Centre of The Assam Royal Global University.
- Convener, Faculty Seminar Series (Dec 2018), organized by Human Resource Development Centre of The Assam Royal Global University.
- Convener, Faculty Seminar Series (May-June 2018), organized by Human Resource Development Centre of The Assam Royal Global University.
- Convener, departmental Webinars on different topics.

- Convener, Lecture Series-I (RSAPSLs-I, 2018), 24-25 January, 2018 organized by Royal School of Applied & Pure Sciences, The Assam Royal Global University, Guwahati, Assam, India.
- Convener, ISTE (Indian Society for Technical Education) Students' convention on 6th Oct, 2012 at RGI

ORGANIZING MEMBER-CONFERENCES / SEMINARS, ETC.

- International Conference on Emerging Areas in Science & Technology (EAST 2021), 1-2 June 2021, organized by Royal School of Applied & Pure Sciences, The Assam Royal Global University, Guwahati, Assam, India.
- Science Conclave (RSAPSSC-2018), 15-16 November, 2018, organized by Royal School of Applied & Pure Sciences, The Assam Royal Global University, Guwahati, Assam, India.
- Workshop on "Mathematics for Engineering Aspirants, 2015" organized by Department of Basic Sciences and Humanities, Royal Group of Institutions and Assam Science and Technology University during June 5-6, 2015.
- A seminar on '*Frontiers in nanotechnology*' organized by Department of Basic Sciences and Humanities, Royal Group of Institutions, Guwahati, Assam, India on 16th Nov., 2013.
- National Conference on Pure and Applied Mathematics (NCPAM, 2013) organized by Royal School of Engineering & technology, Gyan Sagar Group of Institutions, Betkuchi, Opp. Balaji Temple, Guwahati-781035, Assam, India.

SELECTED JOURNAL PUBLICATIONS

- ❖ "Influence of capping agents for controlling structural and optical properties of copper chalcogenide (CuS) nanoparticles", Longkhraw Khongiang, Sujata Deb and P. K. Kalita, Journal of Physics: Conference Series, Volume 2919, 012008, December, **2024**, IOP Publishing Ltd. DOI 10.1088/1742-6596/2919/1/012008- **Indexed in Scopus**.
- ❖ "A Review on Transition from Pristine Copper Sulphide to Copper Sulphide-Reduced Graphene Oxide (CuS-rGO) Nanocomposite in Electrode Materials", Longkhraw Khongiang, **Sujata Deb**, **International Journal of Advance and Applied Research**, **5**, 166-174, **2024**

- ❖ “Defect controlled space charge limited conduction in CdS nanostructured Schottky structure”, Y. Nanung, L. Tangjang, H. Das, **Sujata Deb**, P.K. Kalita, **Materials Science & Engineering B**, **304**, 117353, **2024**. **Indexed in Web of Science (SCIE), Scopus**. DOI: 10.1016/j.mseb.2024.117353
- ❖ “Optoelectronic characterization of ZnO/starch composite for its application as Schottky diode and photoconductor”, **Sujata Deb** and P. K. Kalita, **J. of Mater Sci: Mater Electron**, **33**, 18607-18620, **2022**. **Indexed in Web of Science (SCIE), Scopus**.
- ❖ “Green synthesis of copper sulfide (CuS) nanostructures for heterojunction diode applications”, **Sujata Deb** and P. K. Kalita, **J. of Mater Sci: Mater Electron**, **32**, 24125-24137, **2021**. **Indexed in Web of Science (SCIE), Scopus**. doi.org/10.1007/s10854-021-06879-2
- ❖ “Optoelectronic characterization of starch capped zinc chalcogenides (core-shell) nanocomposites and their application as Schottky device”, **Sujata Deb**, P. K. Kalita, P. Datta, **Physica Scripta**, **5**, 095810 (12pp), **Aug 2020**, Impact factor-2.151, IOP Publishing Ltd. (Science Citation Index), **Indexed in Web of Science (SCIE), Scopus**.
- ❖ “Opto-electronic properties of green synthesized ZnS nanostructures”, **Sujata Deb**, P. K. Kalita, P. Datta, **International Journal of Nanoscience**, **16**, No. 4; 1760032 (9 pages) 25 Sep, **2017**; Impact factor- 2; **Publisher: World Scientific Publishing Company**. **Indexed in Web of Science (SCIE), Scopus**.
- ❖ “Effect of self- assembled ZnO₂ intermediate layer on the growth of starch capped ZnO/ZnS core/shell nano composites through chemical bath deposition method”, **Sujata Deb**, P. K. Kalita, P. Datta, **Materials Today: Proceedings**, Vol. 4, pp.3994–4000, May **2017**; **Publisher- Elsevier**. **Indexed in Scopus**. <https://doi.org/10.1016/j.matpr.2017.02.300>
- ❖ “Synthesis of ZnO/ZnS core/shell Nanostructures for its Possible Fabrication as Photoconductors”, **Sujata Deb**, P. K. Kalita, P. Datta, **Journal of Basic and Applied Engineering Research**; **2**, Issue 20; pp. 1785-1789, October-December, **2015**.
- ❖ “Synthesis and optical properties of starch capped ZnO/ZnS core/shell nanocomposites through chemical bath deposition method”, **Sujata Deb**, P. K. Kalita, P. Datta, **Optoelectronics & Advanced Materials – Rapid Communications (OAM-RC)**, **7**, pp. 648-653, September-October **2013**; **Indexed in Web of science**; Publisher-INOE. **Indexed in Web of Science (SCIE), Scopus**.
- ❖ “Optical properties of green synthesized ZnO nanocomposites”, **Sujata Deb**, P. K. Kalita, P. Datta, **Indian Journal of Physics (IJP)**; **87**, December, **2013**; **Indexed in Scopus, Google Scholar; Publisher-Springer**. **Indexed in Web of Science (SCIE), Scopus**.

- ❖ "Structural and optical properties of copper chalcogenide (CuS) nanoparticles synthesized by in-situ soft solution route," Longkhraw Khongiang, **Sujata Deb** (accepted for publication). (**Springer Nature**)

SELECTED ARTICLES/ CHAPTERS PUBLISHED IN BOOKS

- **Sujata Deb**, Nanotechnology, Global Development: Bridging the Digital Divide, *Advanced Technologies and Societal Change: Nanotechnology in Societal Development* Eds. Soney C. George, Benjamin Tawiah, ISSN 2191-6853; ISSN 2191-6861 (electronic) ISBN 978-981-97-6183-8; ISBN 978-981-97-6184-5 (eBook) <https://doi.org/10.1007/978-981-97-6184-5>, **Springer Nature 2024** pp. 229-245. **Indexed in Scopus, Web of Science.**
- **Sujata Deb** and Longkhraw Khongiang, A review on green synthesis of copper sulfide (CuS) nanoparticles, in *Emerging Trends in Physical Science*, ISBN: 978-93-90706-80-8, February, **2024**.
- **Sujata Deb**, Advanced Bionano Composite Materials—Innovations for Sustainable Development: *Conductive Bionano Composites in Electrical and Electronic Applications: Towards Green Electronics* Eds. Soney C. George, Benjamin Tawiah, ISBN: 978-981-96-8224-9 ; ISBN 978-981-96-8225-6 (eBook) **Springer Nature 2025** pp. 397-425 **Indexed in Scopus, Web of Science.**
- **Sujata Deb**, FinFET and Multi-Gate Transistors: *2D Material-Based Transistors: Graphene and Transition Metal Dichalcogenides (TMDs)* (accepted)- Publisher: Wiley-Scrivener and indexing: SCOPUS.
- **Sujata Deb**, Advanced Circuit Design: *Fundamentals of Circuit Analysis* (accepted)- Publisher: Wiley-Scrivener.

SELECTED PAPERS PRESENTED / ATTENDED (SEMINARS AND CONFERENCES):

1. Structural and optical properties of copper chalcogenide (CuS) nanoparticles synthesized by in-situ soft solution route, International Conference on Next Generation Technology in Science and Engineering (ICNGTSE - 2025), held from 22-23rd August **2025**, *organized by Pranveer Singh Institute of Technology, Kanpur (PSIT).*
2. A Review on Transition from pristine copper sulphide to copper sulphide-reduced graphene oxide (CuS-rGO) nanocomposite in electrode materials, International Multidisciplinary Conference On Multidisciplinary Research in Pure and Applied Sciences, Management, Library Science and

Sports Science, held on 28th July **2024**, organised by Engineering Department Prof. Ram Meghe College of Engineering & Management, Badnera-Amravati.

3. Influence of capping agents for controlling structural and optical properties of copper chalcogenide (CuS) nanoparticles, *International Conference on Frontiers in Pure and Applied Physics (ICFPAP-2024)*, held from 29 February - 2 March **2024**, organised by University of Science and Technology Meghalaya (USTM) in collaboration with Physics Academy of North East (PANE).
4. *In Vitro* Anticancer Activity of Zinc Oxide (ZnO) Nanoparticles in Human Breast Cancer Michigan Cancer Foundation-7 Cells, Pratik Dey, Sujata Deb, International Conference on “interface of chemistry, material chemistry and pharmaceutical sciences” held from 8th November– 10th November **2023**, organized by Department of Chemistry, Royal School of Pharmacy, Royal Global University & Department of Chemistry, Cotton University, Guwahati.
5. Synthesis, Properties and Antimicrobial Activity of Cadmium Sulfide (CdS) Nanoparticles, Dipanwita Bhowmik, Sujata Deb, International Conference on Emerging Areas in Science and Technology (East 2021), held from 1st- 2nd June, **2021** organized by Royal School of Applied & Pure Sciences, The Assam Royal Global University.
6. Effects of pH Variation on Size and Properties of Cadmium Sulphide (CdS) Nanoparticles, Jennifer Sultana Ahmed, Sujata Deb, International Conference on Emerging Areas in Science And Technology (East 2021), held from 1st- 2nd June, **2021** organized by Royal School of Applied & Pure Sciences, The Assam Royal Global University.
7. One-Pot Green Synthesis of Copper Sulphide (CuS) Nanocomposites for Optoelectronic Applications, *International Webinar on Advances in Physics, Chemistry, Mathematics, Computer Sciences & Biological Sciences (CONIAPS 2020)* held from 18, 19 and 20 December **2020** organized by School of Energy Materials (SEM) Mahatma Gandhi University, Kerala, India.
8. Influence of Shelling on Photo-Response Properties of ZnO and ZnS Nanocomposites for Potential Visible Light Detection, *International Conference on Advances in Nano-Optoelectronics and its Application* held from 12-14 October, organized by Department of Physics, RGU, Arunachal Pradesh, India.
9. Microstructural and Opto-Electronic Properties of Green Synthesized ZnS Nanostructures. *International Conference on Material Science (ICMS-2017)* organized by Department of Physics, Tripura University, Tripura, India held during Feb16 – 18, **2017**.
10. Synthesis of ZnO:Cu/ZnS core-shell nanostructure for its possible device applications. *4th International Conference on Advanced Nanomaterial and Nanotechnology (ICANN-2015)*, organized by Centre for Nanotechnology (IITG), India held during Dec 8-11, **2015** at IIT, Guwahati.

11. Synthesis of ZnO/ZnS core/shell Nanostructures for its Possible Fabrication as Photoconductors, *International Conference on Electronic Devices, Circuits, Applied Electronics and Communication Technology*, organized by Department of Electronics & Communication Technology Gauhati University, Gauhati, Assam, India and Krishi Sanskriti, New Delhi, India held during Oct 8-9, **2015** at Gauhati University, Guwahati.
12. Opto-electronic properties of ZnS nanostructures embedded in starch, *International Conference On Green Energy and Smart Material through Science, Technology and Management (GESM-14)*, organized by Faculty of technology in association with UNISA and SECONE, held during Jan 21-23, **2014** at Gauhati University, Guwahati.
13. Effect of self- assembled ZnO₂ intermediate layer on the growth of starch capped ZnO/ZnS core/shell nanocomposites through chemical bath deposition method, *3rd International Conference on Advanced Nanomaterials and Nanotechnology (ICANN-2013)*, held during Dec 1-3, **2013** at IIT, Guwahati.
14. Studies on optoelectronic properties of swift heavy ion irradiated ZnO/ZnS core/shell nanostructures, *53rd Accelerator User Workshop at IUAC, New Delhi*, held during Dec 17-18, **2012**.
15. Synthesis and characterization of ZnO/ZnS nanocomposites, CMDAYS11-Workshop, organized by Dept. of Physics, G.U. held during Aug 24-26, **2011** at Dept. of Physics, G.U.
16. A seminar on 'Frontiers in nanotechnology' on 16th Nov., **2013** in RGI.
17. *Conducting Effective Research and Development in Science and technology*, RGI (19th May, **2012**).
18. *Centenary Seminar-2012: Discovery of Cosmic Rays*, Dept. of Physics, G.U. (6th Aug., 2012).

SELECTED WORKSHOP/SEMINAR/FACULTY DEVELOPMENT PROGRAMMES, ETC. -ATTENDED

Sl.No.	Programme	Duration (from – to)	Organized by
1.	Workshop on OSA	15-17th Nov., 2012	Deptt. of Phys. & ECE, IITG
2.	Seminar	2nd March, 2013	RGI
3.	Seminar	22-23rd March, 2013	RGI
4.	Workshop	29th-30th, April, 2013	RGI
5.	National Seminar	16th August 2014.	RGI

6.	QIP Short Term Course	23rd December to 27th December, 2014.	Department of Physics, IIT, Guwahati
7.	EDI, Guwahati sponsored FDP	16th February to 27th February, 2015 (more than one week)	RGI, Guwahati
8.	Seminar	21 st Feb, 2015	Assam Administrative Staff College, Khanapara, Guwahati
9.	National Seminar on-Non-Conventional Sources of Energy: Prospects and Challenges	30 th Jan, 2016	BSH, RSET, RGI, Guwahati
10.	National Conference -Emerging Trends in Engineering opportunities in North East	28 th -29 th April, 2016	Dept. Mech. Engg., RSET, RGI, Guwahati
11.	RGUFSS	15th May,2017-15th Jun,2017	Organized by RGU
12.	International Conference on “Sophisticated Instruments in Modern Research”	30 th June and 1 st July, 2017	Indian Institute of Technology, Guwahati
13.	RSAPSLI-I	24 th – 25 th Jan 2018	Acted as a convener, RSAPS. RGU
14.	RGUFSS-II	14 th May,2018-12 th June, 2018	Acted as a convener, HRDC, RGU
15.	FDP (AICTE & ISTE sponsored)	18 th -23 rd June, 2018	RSET, RGU
16.	Faculty Development Program on Applied and Computational Mathematics	July 20 – 24, 2020	Department of Mathematics, Karunya Institute of Technology and Sciences
17.	E-FDP on “Emerging Prospects of STEM Education in Engineering and Technology”	21 st July to 28 th July, 2020	Royal School of Engineering & Technology, Royal Global University, Guwahati
18.	FDP Recent Trends in Mathematical Modeling	27-31 JULY20	KITS
19.	Online One-week National Workshop on ‘Advanced Physical Tools and Techniques for Materials Characterization’	28th July – 3rd August 2020	Mahatma Gandhi Central University

20.	14-days Online Faculty Development Programme on “MATERIALS SCIENCE & NANOTECHNOLOGY (FDP-MSNT-2020)	03rd August to 17th August 2020	B. S. Abdur Rahman Crescent Institute of Science and Technology Department of Chemistry
21.	Faculty Colloquium, 2020	January, 2020	Acted as a convener, HRDC, RGU
22.	RGU Faculty Seminar Series (Faculty Colloquium, 2020)	17 th Oct-14 th Dec, 2020	Acted as a convener, HRDC, RGU
23.	Faculty Colloquium, 2021	5 June to 11 Dec, 2021	Acted as a convener, HRDC, RGU
24.	Familiarization Workshop on Nanofabrication Technologies (online)	12-12-2021 to 14-12-2021	IIT Guwahati
25.	Familiarization Workshop on Nanofabrication Technologies (online)	01-03-2022 to 03-03-2022	IIT Guwahati
26.	National Level Workshop on Artificial Intelligence and Machine Learning	7-11 March 2022	Department of Mathematics, RGU, Guwahati
27.	Familiarization Workshop on Nanoelectronics Fabrication & Characterization (offline)	04-04-2022 to 06-04-2022	IIT Guwahati
28.	Hands-on Training on Fabrication & Characterization of Nanoelectronic Devices-I (offline)	06-05-2022 to 16-05-2022	IIT Guwahati
29.	One-Day Workshop on “The Perspectivity Game” for the Faculties of RGU	1 st July 2022	Acted as a convener, HRDC, RGU
30.	Faculty Colloquium, 2022	18 July, 2022 to 14 Sep., 2022	Acted as a convener, HRDC, RGU
31.	Online familiarization workshop on 2D Semiconductor Nano devices & Simulations (online)	08-12-2022 to 10-12-2022	IIT Guwahati
32.	INUP- i2i Familiarization Workshop on Nanofabrication Technologies (online)	23-01-2023 to 25-01-2023	IIT Bombay.

33.	INUP-i2i Online Familiarization Workshop on Nanofabrication and Characterization (online)	08-02-2023 to 10-02-2023	IIT Kharagpur.
34.	INUP-i2i Online Familiarization Workshop on Nanotransistors & Energy Devices Technology	21-02-2023 to 23-02-2023	IIT Guwahati
35.	7-Days FDP on Data Analysis using machine learning software	26-04-2024 to 4-05-2024	Department of Mathematics, The Assam Royal Global University, Guwahati
36.	Faculty Colloquium, 2023	30 June to 26 July, 2023	Acted as a convener, HRDC, RGU
37.	Online Familiarization Workshop on Quantum Materials and Nano Devices (online)	06-12-2023 to 08-12-2023	IIT Guwahati
38.	11th User Awareness workshop (Virtual) on Fabrication and Characterization Facility for Nanotechnology (online)	07-12-2023 to 08-12-2023	IIT Delhi
39.	8-Day Online Training on NEP Orientation & Sensitization Programme , UGC-MMTTC	24th Jan. to 2nd Feb. 2024	Gauhati University
40.	Online Familiarization Workshop on Nano Sensors and Optoelectronic Devices (online)	14-02-2024 to 16-02-2024	IIT Guwahati
41.	Faculty Colloquium, 2024	8.7.2024-1.08.2024	Acted as a convener, HRDC, RGU
42.	ISRO-RAC-S workshop RESONANCE	8 August 2024	Gauhati University
43.	Symposium on Bhartiya Knowledge System	14-15 October, 2024	Organised by VIPS-technical campus
44.	Five-day Online Hands-on FDP/LTTP- "Mastering Cadence Tools for Next-Generation Semiconductor Design"	Jan 6-10,2025	Organised by Department of Electronics and Communication engineering, CMR Institute of Technology, Bengaluru
45.	FDP on "Advanced Optimization Techniques with MATLAB"	February 17- 28, 2025 (12 days)	Organized by various Academies. This programme is funded by

			MeitY and endorsed by AICTE/UGC.
46.	Online Familiarization Workshop on Nanodevice Fabrication and Characterization Techniques	30-04-2025 to 02-05-2025	Organized by Centre for Nanotechnology, IIT Guwahati
47.	X-raydiat Materials Characterisation Workshop	07.05.2025	Organized by Malvern Panalytical in collaboration with Department of Instrumentation & USIC, Gauhati University
48.	Short-term Training Programme entitled, "Quantum Technology: Applications and Implications"	May 29th to June 04th, 2025	Organized by the Department of Physics, Assam University, Silchar under the aegis of the UGC MMTTC, Assam University, Silchar
49.	One-Week FDP on Nanotechnology, Quantum Technology & Semiconductor Devices	23rd -29th June 2025	Organised by Impulse Technology

DECLARATION:

I hereby declare that the information furnished above is true to the best of my knowledge.

Place: Guwahati

Date: 26.12.2025

Yours Sincerely,



(Dr. Sujata Deb)

Associate Professor

Department of Physics

School of Applied Sciences

USTM