

RESUME/ CURRICULUM VITAE



PART I - A : GENERAL INFORMATION AND ACADEMIC BACKGROUND

1.	Name (in Block Letters)	ARINDAM GHOSH
2.	Date of Birth	03.05.1975
3.	Department	PHYSICS
4.	Institution Presently Working	Don Bosco College, Tura, Meghalaya, India - 794002
5.	Work Experience	25 years +
6.	Current Designation	ASSISTANT PROFESSOR (Senior Grade)
7.	Address for correspondence (with pin code)	“Baba Niwas”, Fancy Valley, Tura, West Garo Hills, Meghalaya- 794001
8.	Permanent Address (with pin code)	C/O Dr. Alokesh Ghosh, Tura Bazaar, Tura, West Garo Hills, Meghalaya-794001
9.	Telephone No	7005243233 (Mobile)
10.	E-mail address	arin799@gmail.com

PART I - B: (i) ACADEMIC QUALIFICATIONS

Examination	Board/ University	Year	%	Division	Subject[s]
HSLC	MBOSE	1990	66.2	I	English, Mathematics, Science, Geography, C. Geography, Hygiene, History, P.A., Addl. Mathematics
P.U.	NEHU	1992	66.0	I	English, Alt. English, Physics, Chemistry, Mathematics, Biology
B.Sc. (Pass)	NEHU	1994	61.18	I	English, Physics, Chemistry, Mathematics
B.Sc. (Honours)	NEHU	1995	64.6	I (5 th Rank)	Physics
M.Sc.	NEHU	1997	64.83	I	Physics

PART I - B: (ii) RESEARCH DEGREE[S]			
Degree	Title of dissertation/ thesis	Date of Award	University
M. Phil.	Multi-valued logic in data and information processing – a Challenge ahead	2.3.2009	V.M.U.
Ph. D./ D. Phil.	Structural, electrical and optical studies of pure and doped ZnO pellets	14.05.2016	NIT Silchar

Designation	Department	From Period	To Period
Lecturer/ Assistant Professor Assistant Professor (Senior Grade)	Physics Physics	1.10.1997 1.12.2008	30.11.2008 Till date

PART I - C (ii) : TEACHING EXPERIENCE/RESEARCH/SPECIALIZATION	
Period of teaching experience: P.G. Classes (in years)	Nil
Period of teaching experience: U.G. Classes (in years)	More than 25 years
Field(s) of Specialization under the Subject/ Discipline	Laser Physics (M. Sc.) Material Science – Binary Semiconductors – Nanoparticles (PhD)

ORIENTATION COURSE/ REFRESHER COURSE/ WINTER SCHOOL/ SHORT TERM COURSE ATTENDED				
O.C./R.C./WS/ STC	Commencing and ending date	University / Host Institution	Sponsoring Authority	Grade/ Division
O.C.	5.2.2007 to 5.3.2007	Jadavpur University	UGC	A
R.C.	3.3.2003 to 22.3.2003	North Eastern Hill University	UGC	A
Research Methodology (equivalent RC)	1 full paper in M. Phil. (August 2007- January 2009)	Vinayaka Missions University	VMU - UGC	II
Workshop (equivalent STC)	12.09.2011 to 16.09.2011	MBOSE (Shillong)	MBOSE & NCERT	-
Winter School (equivalent RC)	19.3.2018 to 8.4.2018	North Eastern Hill University	UGC- HRDC	A
Short Term Course (STC)	29.10.2018 to 3.11.2018	North Eastern Hill University	UGC- HRDC	-

Research Methodology (for PhD Guides) (equivalent RC)	18.04.2020 to 03.05.2020	Online	LBP	A
FDP (equivalent RC)	14.05.2020 to 27.05.2020	Veer Kunwar Singh University	SVPC, IIT Bombay, MHRD	-
FDP (equivalent STC)	15.06.2020 to 19.06.2020	Sathyabama Institute of Science & Technology	Sathyabama Institute of Science & Technology	-
Workshop (equivalent STC)	22.06.2000 to 27.06.2020	North Eastern Hill University	NEHU & St. Anthony's College, Shillong	-
FDP (equivalent RC)	03.08.2020 to 17.08.2020	BSAR Crescent Institute of Science & Technology	BSAR Crescent Ins of Sci. & Tech.	-
Workshop/ Short Term Course	15.01.2021 to 21.01.2021	North Eastern Hill University	UGC- HRDC	-
FDP/ Short Term Course	9.08.2021 to 13.08.2021	Gyan Ganga Institute of Technology and Sciences	AICTE (ATAL) Academy	-
Workshop (equivalent STC)	14.02.2022 to 18.02.2022	North Eastern Hill University	NEHU, Univ. of Hyderabad & DBC, Tura	-
FDP (equivalent STC)	22.08.2022 to 27.08.2022	JP College of Arts & Science	JPC of Arts & Science	-
Short Term Course	03.03.2023 to 10.03.2023	Guru Ghasidas Vishwavidyalaya	UGC- HRDC	-

Papers Published/ Accepted:

[Springer – 5, Elsevier – 4, Others - 2] [International Peer Reviewed Journals - 11 and National Peer Reviewed Journals – 5 (Bearing ISSN Numbers)]:

Total Number of Citations – 160; h-index – 8, i10-index – 6 (as on 30.07.2023)

Google Scholar Link: <https://scholar.google.com/citations?user=os-GWD4AAAAJ&hl=en>

As First Author - International Journal with Impact Factor (SCI)

1. Structural and optical properties of pure and Al doped ZnO nanocrystals, A. Ghosh et al, Indian Journal of Physics, 87(11), 1099-1104 (2013)(Springer) [Indexed by – SCI].
2. Influence of Cu doping on the structural, electrical and optical properties of ZnO, A. Ghosh et al, Pramana - Journal of Physics, 84(4), 621-635 (2014) (Springer) [Indexed by – SCI] .
3. Structural, electrical and optical studies on ruthenium doped ZnO pellets for device applications, A. Ghosh et al, Materials Science and Engineering B, 196, 7–16 (2015) (Elsevier) [Indexed by – SCI].
4. Enhanced blue-shift of the optical band gap in Cd-doped ZnO nanoparticles, A. Ghosh et al,

Materials Today: Proceedings, <https://doi.org/10.1016/j.matpr.2022.08.164> (2022) (Elsevier) [Indexed by – SCI].

As First Author – International/ National Journal with ISSN No.

5. Investigations on structural and optical properties of Cu doped ZnO, A. Ghosh et al, Journal of NanoScience and NanoTechnology, 2(4), Spring Edition (ISSN No. 2279 – 0381), 485-489 (2014) [International Journal].

6. Investigation of structural changes in Al doped ZnO nanocrystals, A. Ghosh, N. Kumari and A. Bhattacharjee, Transient (Vol – 3), ISSN No. 2250-0650, 19-28 (2013).

As Second Author - International Journal with Impact Factor (SCI)

7. Structural, electrical and optical properties of sintered SnO₂ pellets, A. Ghosh et al, Materials Science in Semiconductor Processing, 16, 905–914 (2013) (Elsevier) [Indexed by – SCI].

8. Synthesis, structural and optical properties of Al doped SnO₂ nanoparticles, A. Ghosh et al, Indian Journal of Physics, 88(1), 65-70 (2013) (Springer) [Indexed by – SCI].

9. Investigation on structural and electrical properties of CuO modified SnO₂ nanoparticles, A. Ghosh et al, Materials Science in Semiconductor Processing, 19, 114–123 (2013) (Elsevier) [Indexed by – SCI].

10. Investigation of structural and electrical transport mechanism of SnO₂ with Al dopants, A. Ghosh, Indian Journal of Physics, 88(10) 1059-1066 (2014) (Springer) [Indexed by – SCI].

11. Studies on frequency dependent electrical and dielectric properties of sintered Zinc Oxide pellets: effects of Al-doping, A. Ghosh et al, Indian Journal of Physics, 90, Issue 11, pp.1247-1255 (2016) [Springer] [Indexed by - SCI].

12. Impedance spectroscopy of Fe-doped SnO₂ synthesized by poly(ethyleneglycol) assisted chemical co-precipitation method, A. Ghosh et al, Journal of Nanoscience and Nanotechnology 17, 1-8 (2017) [Indexed by – SCI].

As Second Author –National Journal with ISSN/ ISBN No.

13. Studies on electrical properties of sintered SnO₂ pellets N. Kumari, A. Ghosh, S. Tewari, A. Bhattacharjee, Contemporary Trends of Research in Physical Sciences, ISBN No. 978-81-923616-0-4 (2011).

14. Studies on structural, electrical and dielectric properties of sintered SnO₂ pellets N. Kumari, A. Ghosh, S. Tewari and A. Bhattacharjee, Journal of Science Forum (Vol-3, No.-1) ISSN No. 0976-5395, 38-42 (2012) .

15. Optical properties of pure and strontium doped SnO₂ nanoparticles, N. Kumari, A. Ghosh, A. Bhattacharjee, Transient (Vol – 3), ISSN No. 2250-0650, 104-113 (2013).

16. Impedance study of SnO₂: A short review, A. Ghosh et al, Transient 5, pp.8-14 (ISSN No. 2250-0650) (2017).

Conferences/ Workshop:

[Oral Presentation in International Seminar – 8, Oral Presentation in National Seminar – 6, Regional - 2]:

1. Attended National seminar on Current trends in condensed matter physics (CTCMP-2011), **3-5 February 2011**, Organized by Department of Physics, Assam University, Assam, India.
2. Attended UGC and ICSSR (NE Region) sponsored National Seminar on *Status of Biodiversity in India* organized by Don Bosco College Tura on **8-9 August 2011**.
3. Participated in One day Workshop entitled *Pollution Control and Waste Management* organized by Meghalaya State Pollution Control Board and Don Bosco College on **18th October 2011**.
4. Attended One-day Symposium on the theme *Tribal Societies in a Modernizing World* organized by Don Bosco College and Indian Council of Social Science Research on **30th March 2012**.
5. Attended and presented a paper entitled *Studies on structural and optical properties of sintered ZnO pellets: effects of Al doping* **A. Ghosh**, N. Kumari, S. Tewari, A. Bhattacharjee, **International Seminar** and Workshop on Energy, Sustainability and Development, (ISWESD-2012), **12-14 October 2012**, Sibasagar College, Joysagar-785665, Assam.
6. Attended and **presented** a paper entitled *Structural studies of Cu doped ZnO Nanoparticles*, **A. Ghosh**, et al in National Seminar on *Newer Trends in Chemistry and Environment (NTCE 2014)* organized by Don Bosco College, Tura on **10-11 December, 2014**.
7. Attended and **presented** a paper entitled *Teaching Approaches within a Project Based Training Framework – Innovative and Participative Learning*, **A. Ghosh**, et al at an **International Seminar** on *Attracting Best Talents in Basic Sciences* organized by Shillong College, Shillong, Meghalaya on **24-25 July 2013**.
8. Attended UGC and ICSSR (NE Region) sponsored National Seminar on *Status of Biodiversity in India* organized by Don Bosco College, Tura on **8-9 August 2011**.
9. Attended and **presented** a paper entitled *Role of NAAC in Promoting Quality Higher Education with Special reference to North Eastern India* in National Seminar on *Quality Sustenance in NAAC Accredited Institutions of Higher Education* organized by IQAC, Don Bosco College and National Assessment and Accreditation Council on **6-7 May, 2013**.
10. Attended Two-day Workshop on the theme *North-Eastern Workshop on LATEX: A Document Preparation System* on **16-17 September, 2014** organized by Department of Computer Applications, NEHU, Tura Campus, Tura, Meghalaya.
11. Participated in a Two-day *Workshop on Innovative Experiments in Chemistry* on **18-19 December, 2014** organized by Meghalaya Science Society, Tura, Meghalaya.
12. Attend a Two-day Faculty Development Programme on **3-4 February, 2015** at Don Bosco College, Tura, Meghalaya.

13. Participated in a Three-day Staff Orientation Programme (FDP) from **23-25 June, 2016** at Don Bosco College, Tura, Meghalaya.
14. Attended a One-day Programme (Workshop) of the North-East Green Summit 2016 on **5-11-2016** held at different venues of Tura, Meghalaya in which Don Bosco College was a co-host.
15. Attended a One-day National Workshop on IQAC and NAAC on **16th of November, 2016** at Don Bosco College, Tura, Meghalaya.
16. Attended a Two-day Workshop/ Seminar on IQAC and NAAC held at SVD House, Garal, Gawahati on **8-9 February, 2017** organized jointly by Xavier Board (North and North-East) and Don Bosco College, Tura.
17. Attended and **presented** a paper entitled *Dwindle in ac conductivity with growing cadmium concentration in ZnO pellets*, **A. Ghosh**, et al in *National Conference on Chemical Physics* organized by Assam University, Silchar, Assam on **20-21 March, 2017**.
18. Attended a Workshop on *Social Surfing 3.0* organized jointly by CSR and Facebook on **18th September, 2017** at Don Bosco College, Tura.
19. Attended a National Workshop on *Maximal Usage of Foldscope to explore Miniatures in the World* sponsored by Department of Biotechnology, Ministry of Science and Technology, Government of India at Don Bosco College, Tura on **11th of September, 2018**.
20. Attended and presented a paper entitled *Water, Sanitation and Hygiene – Corporate Social responsibility*, **A Ghosh** in *One Day State Seminar on Inventory and Revival of Springs in Catchment Areas of Water Scarcity* organized by Tura Christian College, Tura, Meghalaya on **22nd June, 2019**.
21. Attend a National Awareness Workshop on *NAAC Assessment and Accreditation: The Revised Framework* organized IQAC, NEHU Shillong on 8th, 9th August 2019.
22. Attended a One-day National Workshop on MOOC, SWAYAM and OER for Teacher Education organized by the Dept. of Education NEHU, Shillong held at DBCTE, Tura on 16th September, 2019.
23. Attended and presented a paper as a **Keynote Speaker** entitled *Present Education Scenario in Meghalaya with special emphasis in Higher Education and its SWOC analysis and Solutions* in a National Conference on Innovation in Indian Education organized by SIETIIE Trust, Jaunpur, UP on **28-29 December, 2019**.
24. Participated in the 3 day National Online FDP titled *Quality Enhancement in Higher Education Institutions - Future Vision* organized by IQAC, St. Ann's College for Women from **4-6 May, 2020**.
25. Participated in 5 day National Online FDP titled *Teaching Using ICT Tools* organized by IQAC, Department of BCA & Department of IT, J P College of Arts and Science from **7-11 May, 2020**.
26. Participated and presented a paper entitled *Effect of Cadmium doping on the optical band gap of Zinc Oxide nanoparticles* in an International Web Conference on Science, Engineering & Technology, IWCSET-2020, organized by Society for Technologically Advanced Materials of India (STAMI) on **15-16 May, 2020**.

27. Participated in 15 day National Online FDP titled *HTML and ExpEYES Software* organized by S V P College and IIT Bombay from **14-27 May, 2020**.
28. *Attended about 20 more Webinars/ Web Conferences from June 2020 to December 2020*
29. Participated and presented a paper entitled Blue-shift in optical band gap of ZnO nanoparticles by Cadmium doping in the International Conference on Science, Emerging Areas in Science and Technology, EAST-2021, organized by Royal Global University on **1st – 2nd June, 2021**.
30. Participated and presented a paper entitled Enhanced blue-shift of the optical band gap in Cd-doped ZnO nanoparticles in the International Conference on Emerging Trends in Nanomaterials Science and Technology (ICETNMST-2022), organized by National Institute of Technology Nagaland on **27-29 January, 2022**.
31. Gave a Presentation on the theme “Milestone of Science and Technology” on **24th of February 2022** organized jointly by Department of Science and Technology, Govt. of India and Planning Department, Govt. of Meghalaya.
32. Participated in the various Programs/ Workshops conducted by DERT, Meghalaya, Shillong for the Development of Position Papers for the State Curriculum Frameworks from January-May 2022.
33. **Keynote Speaker** in a 2 day National Seminar on Conservation of Biodiversity (NSCB 2022) and presented the paper entitled “The role of Nanotechnology in Biodiversity” organized Jointly by Department of Biotechnology, Govt. of India, North eastern Hill University (Tura Campus), etc. on **2-3 September, 2022**.
34. Attended and presented a paper on the topic “Nanotechnology and Biodiversity – A Review” in International Conference on Environment and Sustainable Development (ICED 2022) organized by jointly by Department of Biotechnology, Govt. of India, North eastern Hill University (Tura Campus), on **24-25 November, 2022**.
35. **Keynote Speaker** on the topic “Applications of Nanotechnology in Agriculture” in International Conference on Environment and Sustainable Development (ICED 2022) organized by jointly by Department of Biotechnology, Govt. of India, North eastern Hill University (Tura Campus), on **24-25 November, 2022**.
36. Attended and presented a paper on the topic “Women in Science and Technology” in a National Seminar on Representation of Women of North East India in Multi – Disciplinary Discourse organized by IQAC, Dept. of Philosophy and ICC, Don Bosco College Tura on **28-29 April, 2023**.
37. Attended and presented on the topic “Food and Nutrition Security” in a National Symposium on Agriculture, Environment and Food Security (NSAE&F 2023) organized by North Eastern Hill University, Tura Campus on **5th of June 2023**.
38. Attended and presented on the topic “Structural, electrical and optical properties of pure and Ru doped ZnO nanocrystals” as an **Invited Speaker** in an International Conference on Recent Trends on Materials Science & Devices 2023 (ICRTMD-2023) on **22 - 23 July, 2023** organized by G.A.V. Degree College, Patauda, Jhajjar, Haryana, India.

Chairman, Technical Session in International/ National Conferences:

1. Chairman, Technical Session - 4 (Oral), in a 2 day National Seminar on Conservation of Biodiversity (NSCB 2022) to be organized by North Eastern Hill University Tura Campus on **2-3 September, 2022**.
2. Chairman, Technical Session – 1, 2 & 3 (Poster), in a 2 day National Seminar on Conservation of Biodiversity (NSCB 2022) to be organized by North Eastern Hill University Tura Campus on **2-3 September, 2022**.
3. Chairman, Technical Session – 1 (Poster), in a 2 day International Conference on Environment and Sustainable Development (ICED 2022) organized by Jointly by Department of Biotechnology, Govt. of India, North Eastern Hill University (Tura Campus), on **24-25 November, 2022**.

Indian Patent filed:

1. Smart city power management system using 5G technology (applied, in process, yet to be accepted).

Reviewer of Journals:

- (1) Materials Research Express – IOP Science (IMPACT FACTOR 2.025; Online ISSN: 2053-1591),
- (2) Material Sciences and Applications - Scientific Research Publishing (IMPACT FACTOR 1.45; ISSN Print: 2153-117X; ISSN Online: 2153-1188)
- (3) Transient (ISSN 2250 0650) – non SCI journal

Member of Editorial Board:

1. Member of the Editorial Board of the Proceedings on Newer Trends in Chemistry and Environment (NTCE 2014) (National Seminar) ISBN 97893-85230-05-09
2. Editor (Physics) of the Journal – Transient, A Journal of Natural Sciences and Allied Subjects (ISSN 2250 0650)

Office bearer in International/ National Conferences:

1. Treasurer in National Seminar on Newer Trends in Chemistry and Environment (NTCE 2014) organized by Don Bosco College, Tura on 10-11 December.
2. Co-Organizing Secretary, National Seminar on Conservation of Biodiversity (NSCB 2022) to be organized by North Eastern Hill University Tura Campus on 2-3 September, 2022.
3. Member, Organizing Committee in a 2 day International Conference on Environment and Sustainable Development (ICED 2022) organized by Jointly by Department of Biotechnology, Govt. of India, North eastern Hill University (Tura Campus), on 24-25 November, 2022.

Coordinators/ Conveners in Conferences/ Seminars/ Workshops (Academics):

1. One-day National Seminar on IQAC and NAAC head at Don Bosco College on **16th of November, 2016** organized by Don Bosco College, Tura.
2. Two-day Workshop/ Seminar on IQAC and NAAC held at SVD House, Garal, Gawahati on **8th and 9th of February, 2017** and organized jointly by Xavier Board (North and North-East) and Don Bosco

College, Tura.

3. One-day Regional Seminar on A Tale of Superconductivity: the Indian Connection on **1st September, 2018** organized jointly by Physics Academy of North East and Don Bosco College, Tura held at Don Bosco College, Tura.

4. Convener, International Web Conference on Recent Advances in Science (IWCAS 2020) on **30th – 31st July, 2020** organized by IQAC and Dept. of Physics, Don Bosco College and 9 more Institutions/Associations, etc.

Scientific Memberships:

1. Life Member, Physics Academy of North East (PANE)
2. Life Member, Meghalaya Science Society
3. Online Member, American Association of Physics Teachers (AAPT)
4. Society for Technologically Advanced Material of India (STAMI)

Key positions held/ holding:

1. IQAC Coordinator, Don Bosco College, Tura, Meghalaya
2. NAAC Coordinator, Don Bosco College, Tura, Meghalaya
3. Head, Department of Physics, Don Bosco College, Tura, Meghalaya
4. Formerly Assistant Editor and presently Editor (Physics) of the Journal Transient bearing ISSN No. 2250-0650
5. Member of Academic Council of Don Bosco College, Tura
6. Member of Board of Under Graduate Studies (BUGS) from 2011-13 and Board of Studies (BoS) from 2017-2019 to design B.Sc. Syllabus of the Department of Physics, North Eastern Hill University, Shillong
7. Member, Governing Body, Tura Town Higher Secondary School, Tura, Meghalaya
8. Member of Board of Studies (BoS) to design M. Tech and Ph D (Course Work) Syllabus from 2022-2024 of the Department of Nanotechnology, North Eastern Hill University, Shillong
9. Operational Head of the State of Meghalaya (India) in Ideal World Public Welfare Trust
10. Member, State Focus Group, State Education Policy (w.r.t. National Education Policy 2020), Govt. of Meghalaya, India
11. Member, School Quality Assessment and Accreditation Framework, Govt. of Meghalaya, India
12. Member, State Level Study Group for National Curriculum Framework 2023, Govt. of Meghalaya, India

Chapters in Books/ Magazines:

1. **Teaching Approaches within a Project Based Training Framework – Innovative and Participative Learning PP 20-29 (Chapter 3 of the book entitled *Reasserting Basic Sciences* published by EBH Publishers, 2015) ISBN No.978-93-83252-79-4**

2. **Cyber Crimes PP 207-210 (Article in book entitled *Accelerating Science* published by Surajit Choudhury, 2017) ISBN No.93-82661-24-7**
3. Cyber Crimes PP 32-34 (Article in the magazine entitled *Boscoans* published by Don Bosco College, 2015-16)
4. The Global Positioning System PP 75-78 (Article in the magazine entitled *Boscoans* published by Don Bosco College, 2016-17)
5. Benefits of Music Education PP 1-3 (Article in the magazine entitled *Agrawani* published by N D Music Academy, 2018)
6. The History of Durga Puja Festival PP 39-40 (Article in the magazine entitled *Pushpanjali* published by Fancy Valley Durga Puja Committee, 2018)
7. **Antennas and Wave Propagation (Book – First Author, Co-authored) published by Scientific International Publishing, Tamilnadu, India (2022) ISBN: 978-93-5625-526-5**
8. **Optical Communication (Book – First Author, Co-authored) published by Scientific International Publishing, Tamilnadu, India (2022) ISBN: 978-93-5625-601-9**

OTHER RELEVANT INFORMATION:

Sl. No.	Details (Mention year, value etc., where relevant)
1	Member of Meghalaya College Teachers' Association
2	Member of Don Bosco Past Pupils Association

EXTENSION ACTIVITIES (from 2013 onwards)

1. Resource Person:

- (i) Was a Resource Person in a Govt. sponsored seminar on “Comet ISON” organized by Meghalaya Science Society, Tura on 4th December 2013 held at Govt. Girls' Higher Secondary School, Tura.
- (ii) Was a Resource Person in a Govt. sponsored programme on “Health and Sanitation and Public Environment” organized by Sarbajanin Mahila Samity, Lower Babupara, Tura on 25th May, 2014.
- (iii) Gave the Keynote Address at the post facto “Youth Empowerment Day” programme organized by Bengalee Association, Garo Hills, Tura on 30th August, 2014.
- (iv) Was a Judge in the District Level Science Congress for NCSC, 2015 organized by District Planning Officer, West Garo Hills, Tura on 18th September, 2015.
- (v) Took a session for the students of Class XII Science on “How to approach to Board Examinations” for the students of Don Bosco College Higher Secondary Section on 5th of February 2016.
- (vi) Was a Judge in the District Level Science, Mathematics and Environment Exhibition (2016-17) organized by District School Education Officer on 25th of July, 2016.
- (vii) Was invited as a Judge in the ‘RTI Week’ organized by the Office of the Deputy Commissioner, West Garo Hills, Tura in the 1st of November, 2016.
- (viii) Took voluntary classes for Class XI Science students of Don Bosco Higher Secondary

School Tura from 27th June to 1st July 2017.

(ix) Was a Judge in the District Level Students Science Seminar organized by District School Education Officer on 14th of August, 2017.

(x) Was invited as a Guest Speaker (Resource Person) in the Anti-Drug Awareness Campaign organized by MILAN LASCO on 4th of February 2018 at Tura.

(xi) Was appointed as an Examiner for Physics Practical Examination (MBOSE) in Don Bosco Higher Secondary School Tura On 14th of February 2018.

(xii) Was a Judge in the District Level Science, Mathematics and Environment Exhibition (2017-18) organized by District School Education Officer on 13th of April, 2018.

(xiii) Was invited as a Resource Person on 17th April, 2018 in the One Week Workshop on Recent Trends in Teaching Science for Secondary School Teachers organized from 16th to 21st April, 2018 at College of Teachers Education, Tura, Rongkhon.

(xiv) Was invited as one of the Panel Members (Subject Expert) for conducting interview in selecting Science Lecturers for St Mary's Higher Secondary School, Tura on 7th of May, 2018.

(xv) Was invited as a Resource Person on Career Aspirations on 4th June, 2019 at Tura Town Higher Secondary School, Tura.

(xii) Was the Team Leader and Resource Person for Orientation Program for Teachers of Ramakrishna Mission School, Zekabari on 20th February, 2019.

(xiii) Took Coaching Classes for Class XII students of Don Bosco Higher Secondary School Tura for the session 2019-2020.

(xiv) Was the Quiz Master on promotion of PHILATELY held at PASM Police Public School Tura on 5th August 2019 and organized by Department of Posts, West Garo Hills Posts Sub-Division.

(xv) Was appointed as an External Practical Examiner in Tura Govt. College (HSS) Tura for MBOSE Examinations 2020 from 19-27 February 2020.

(xvi) Was appointed as Zonal Committee Member (Zone – IV) of COVID 19 Management Team by the Deputy Commissioner, West Garo Hills, Tura during the COVID Pandemic from 2020-2022.

(xvii) Took classes for Class XI and XII students of St. Mary's Higher Secondary School Tura in November-December 2020.

(xviii) Had a session with the students of class XI/ Science of Don Bosco higher Secondary School Tura on 13th January 2021 during the Orientation Programme for Class XI and XII Science of the school.

(xix) Was appointed as a Judge in Power-Point Presentation Competition for the students of B.Sc. of Dr. Ambedkar College, Nagpur, Maharashtra on various topics pertaining to Physics on 1st February 2021.

(xx) Was appointed as a Panel Member for Viva on 4th February 2021 for the Post of Assistant Teacher (Science) at St. Xavier's School, Tura.

(xxi) Was appointed as a Judge in Declamation Contest by Nehru Yuba Kendra, Tura, Ministry of Youth Affairs & Sports, Govt. of India on 03.12.2021.

(xxii) Was appointed as an External Examiner for HSSLC Examinations 2021 in Don Bosco Higher Secondary School, Tura by MBOSE in March 2021.

(xxiii) Was appointed as an External Examiner for HSSLC Examinations 2022 in Tura Government College by MBOSE in March 2022.

- (xxiv) Was appointed as a Resource Person for an Online Session with students of Class X to XII of Delhi Public School Dhaligaon on 14.11.2023 as a part of their preparation in IAPT Exam 2022-23.
- (xxv) Was the Quiz Master in the Annual Varsity Week, 2023 of North- Eastern Hill University, Tura Campus on 10th of May 2023.
- (xxvi) Was appointed as an External Examiner for NEHU Examinations 2023 in Tura Government College by NEHU in May-June 2023.

2. Other Activities:

- (i) Imparted Scientific Education (as a Resource Person) for School students in Tura Science Centre, Tura from 2013 to 2016.

3. TV and Radio talks [Doordarshan and All India Radio]:

- (i) Delivered a talk on the topic entitled “Cyber Crime” which was broadcasted by All India Radio, Tura on 11th of September 2014
- (ii) Was an expert in the talk on “Wireless Communication” which was broadcasted by Doordarshan, Tura on 10th of March, 2015
- (iii) Gave a talk on the topic entitled “Unity in Diversity” which was broadcasted by All India Radio, Tura on 19th of November, 2015
- (iv) Gave a talk on the topic entitled “Teachers not only built a life of only one student but the entire generation” which was broadcasted by All India Radio, Tura on 5th September, 2019.
- (v) Gave a talk on the topic entitled “We only have one Earth, let’s take care of it” which was broadcasted by All India Radio, Tura on 5th of June, 2022.

4. Awards Won:

- (i) Best Keynote Speaker in a National Conference on Innovation in Indian Education organized by SIETIIE Trust, Jaunpur, UP on 28-29 December, 2019 when gave the presentation entitled *Present Education Scenario in Meghalaya with special emphasis in Higher Education and its SWOC analysis and Solutions*.
- (ii) Research Excellence Award 2022 for contribution in the field of Nanomaterials by Society for Conservation of National Resources (SCNR) [Reg. No. 150200031/2021].

5. Thesis Evaluation:

Evaluated the Thesis entitled “ Influence of Substitution on Structural Magnetic and Electrical Properties of Strontium Nanosize Hexagonal Ferrites” of a Researcher from Gondwana University, Maharashtra, India during May-July 2023.