

SOURAV KARMAKAR

Objective:

To obtain a designation that will empower me to practice my teaching experience, strong organizational expertise, educational background, and ability to work harmoniously with people.

Profile:

Proactively taken lectures with Ten years of teaching experience on undergraduate's level. Supervised undergraduate and post graduate theses, organized National level conference, published optometry magazines and organized community eye camps. I am a teaching enthusiast, and also, responsible, motivated and focused on the betterment of the Institute and students. I incline to make good decisions and have a good judgment. I have leadership qualities but at the same time, I am courteous to my colleagues.

Personal Details:

- Address: Dankuni, Hooghly, West Bengal
- E-Mail Address: souravoptm@gmail.com
- Mobile: 9008747953
- Passport No: R8839875 (valid up to 30/01/2028)
- Date of Birth: 04/01/1985.

Education:

Secondary	Begumpur Higher Secondary school (1999), Hooghly, West Bengal
Higher secondary	Begumpur Higher Secondary School (2002), Hooghly, West Bengal
Under graduation	Under graduation from George college of Management and Science (2004-2008), Kolkata, West Bengal
Post graduation	Manipal University (2011-2013), Mangalore, Karnatak
Fellowship	Fellowship in clinical optometry from L.V Prasad Eye Institute (2009-2010), Hyderabad, Andhra Pradesh

Professional Appointments:

- **2025- Till Now:** Working as a Assistant Professor at SwamiVivekananda University, Telinipara, Barasat - Barrackpore Rd Bara Kanthalia, West Bengal.
Appointed as a full-time faculty member responsible for delivering undergraduate and postgraduate-level instruction in Optometry.

- Serving as **Research Coordinator**, facilitating student and faculty research activities, including proposal development, ethics submissions, and journal submissions.
- Member of the **Student Welfare Committee**, contributing to student development, counseling support, and academic well-being.
- Designated **Class Mentor** for undergraduate optometry cohorts, monitoring academic progress, attendance, and mentorship.
- Supervising **Master's thesis students**, guiding the design, implementation, and publication of clinically oriented research.
- Involved in curriculum development, departmental NAAC documentation, and accreditation preparation.

- **2024–January 2025:** Working as a Assistant Professor at The Neotia University, Dimond Harbor, West Bengal.

Job Description- Working as a Head of the Department and Assistant Professor, Department of Optometry, School of Health Sciences. Regular lectures and practical for bachelor. Organizing cultural and scientific events, arranging guest lectures, question paper set up, exam scheduling and invigilation and making NAAC reports.

- **2021 (August)-2024(March):** Working as a Assistant Professor at Amity University, Grugram, Haryana.

Job Description- Regular lectures and practical for bachelor and masters, guiding for thesis, Research Co-Ordinator for the department optometry and Vision Science, Co-Ordinator for Study abroad Program for the school of Health sciences.

- **2020-2021:** Worked as a Assistant Professor at Chandigarh University, Department of Allied Health Science, Optometry, Mohali, Punjab.

Job Description- Regular lectures and practical, guiding creative projects, organized cultural and scientific events, arranging guest lectures, question paper set up, exam scheduling and invigilation and Class Mentoring, Mooc Co-coordinator.

- **2018 –2020:** Worked as a Assistant Professor at Centurion University, School of Applied Sciences, Department of Optometry, Paralakhemundi, Odisha.

Job Description- Regular lectures and practical, guiding creative projects, organizing cultural and scientific events, arranging guest lectures, question paper set up, exam scheduling and invigilation and making NAAC reports.

- **2015-2018:** Worked as Assistant professor and vice-principal at Naseema institute of

Optometry and Research Karnataka, Bangalore

Job Description- Conducted lectures and practical, guided creative and academic projects, question paper set up, scheduled and invigilated exams, organized industrial tours, organized camps, organized cultural, sports and scientific events, part of inspection team- Local Inspection Committee, Karnataka; college magazine publication, arranged guest lectures and workshops

- **2013-2014:** Worked as a lecturer in Bejan Singh Institute of Ophthalmology, Nagercoil, Tamil Nadu

Job Description- management of primary eye care, camp organization, management of pediatric and emergency OPD, conducted lectures for students of Optometry, question paper set up, invigilation and correction

- **2011:** Consultant optometrist in American Eye care Center, Chennai, Tamil Nadu

Job Description- Glaucoma work-up and other diagnostics, management of pediatric and other OPDs.

- **2008:** Consultant Optometrist in Dr. Agarwal Eye Hospital, Chennai, Tamil Nadu

Job Description- LASIK, Cataract, Orthoptic, Pediatric and Contact lens Work up; Diagnostics and OPD management

- **2008:** Internship at Dr. Agarwal Eye Hospital Chennai, Tamil Nadu

Co-curricular achievements

- Directed and Acted in a documentary film sponsored by Vijaya Bank
- Organized Annual sports day in Naseema Institute of Optometry and Research (2015-2018)

Certifications:

2026

- **NPTEL-AICTE Faculty Development Programme (MoE, Govt. of India), IIT Kharagpur (Jan–Mar 2026)** *English for Thesis Writing* Completed 8-week MOOC with a score of 67%. Certified by IIT Kharagpur under AICTE FDP guidelines. (Roll No: NOC26HS07S1157500077)

2025

- **Commonwealth Educational Media Centre for Asia, Association of Indian Universities & Amity University Haryana (May 27, 2025)**
Empowering Higher Education Institutions in Technology-Enabled Learning and Blended Learning
Successfully completed a five-day FDP with assessments; represented Swami Vivekananda University.
- **NPTEL-AICTE Faculty Development Programme (MoE, Govt. of India), IIT Madras (Jan–Mar 2025)**
Introduction to Psychology
Completed 8-week MOOC with a score of 57%. Certified by IIT Madras under AICTE FDP guidelines.
(Roll No: NPTEL25H5475650100427)
- **Myopia Conclave 2025 International Webinar (International Conference)**
Awarded 5.5 CME credits for participation in the webinar commemorating World Optometry Day, organized in Dubai, UAE.
Accredited by the Dubai Health Authority (Accreditation No.: DHA/MTS/ACC/25-0761/A).
Date: March 23, 2025
- **NPTEL-AICTE Faculty Development Programme (MoE, Govt. of India), IIT Kanpur (Jul–Sep 2025)** *Introduction to Basic Cognitive Processes* Completed 8-week MOOC with a score of 55%. Certified by IIT Kanpur under AICTE FDP guidelines. (Roll No: NPTEL25HS178S639600827)
- **Faculty Development / Professional Training Programme, Tech Trainers and Testers Pune (Dec 2025)** *The Sexual Harassment of Women at Workplace (Prevention, Prohibition and Redressal) Act, 2013 – UGC & AICTE Regulations* Completed one-day certified training programme under The Bombay Public Trusts Act, 1950. (Cert. Batch No: 190/67/02; Code: S-67; Date of Issue: Dec 12, 2025)
- **Faculty Development Programme, Swami Vivekananda University (Jul 7–19, 2025)**
Innovations in Indian Higher Education: Promoting Holistic, Multidisciplinary & Inclusive Teaching-Learning & Governance Actively participated in FDP organized by the School of Life Sciences, Swami Vivekananda University.
- **International Conference, Swami Vivekananda University (Feb 4–5, 2025)** *International Conference on Healthcare Researches and Development (ICHRD-2025)* Presented paper titled

Effect of chewing gum on digestion at the School of Allied Health Sciences, Swami Vivekananda University.

- **Professional Conference Participation, Graduate Optometrists Association (Feb 23, 2025)**
Bengal Optometry Conference (BOC) Successfully participated in the Bengal Optometry Conference at Rabindra Tirtha, Rajarhat New Town, Kolkata, organized by Graduate Optometrists Association.
- **Faculty Development Programme, Swami Vivekananda University (Jan 11, 2025)** *Ethical Guidelines and Good Clinical Practice for Researchers* Participated in FDP organized by the Department of Optometry, Swami Vivekananda University.

2024

- **Indian Journal of Ophthalmology (May 5, 2024)**
Peer Reviewer Certificate
Recognized for contributing manuscript review services to enhance the journal's academic quality.
(Acknowledged by Prof. Dr. M. Vanathi, Editor-in-Chief)

2023

- **Clarivate (August 22, 2023)**
EndNote Certification Series 2023
Successfully completed EndNote 21 training issued by Clarivate, South & South-East Asia Sales Division.
- **Amity University Haryana & Life Sciences Sector Skill Development Council (LSSSDC) (July 17–21, 2023)**
Professional Development Program: Innovations, Opportunities & Challenges in Life Science Sector Skilling & Research
Completed five-day online PDP on life science research and skill development.
- **Amity University Haryana & Association of Indian Universities (July 24–28, 2023)**
Faculty Development Programme on “Technology Enabled Teaching and Learning in Food Science and Nutrition”
Successfully completed a five-day FDP.
- **Amity University Haryana & Central Sanskrit University (July 10–21, 2023)**
National Workshop cum FDP: Knowing Indian Culture Through Sanskrit
Completed a two-week professional development program under the Ashtaadashi Project.
- **Amity University Haryana & IAPEN India Association (July 4, 2023)**
Webinar: Hypertension – Current Trends and Future Perspectives
Participated in a national nutritional awareness webinar.
- **Amity Medical School, Department of Optometry & Vision Science (May 10, 2023)**
World Optometry Day Celebration: Myopia Management and Specialist Issues
Participated in a seminar/workshop at Amity University Gurgaon.
- **Galgotias University, Department of Optometry (October 14–15, 2023)**
International Optometry Conference: OPTO-FLX 2.0
Attended conference organized by the School of Allied Health Sciences, Greater Noida.

2022

- **Amity University Haryana (March 30, 2022)**
Roles and Responsibilities of Educators in Effective Implementation of NEP-2020 – A Quality Initiative
Participated in a faculty development initiative focused on NEP-2020.
- **Amity University Gwalior & Elsevier (February 5, 2022)**
Mendeley Training – Certification of Achievement
Completed reference management training under certified Mendeley advisor.

2021

- **Elsevier Researcher Academy (December 11, 2021)**
Fundamentals of Manuscript Preparation
Completed all modules on manuscript preparation.
- **Researcher Academy (December 11, 2021)**
Guide to Reference Managers: How to Effectively Manage Your References
Successfully completed the module on reference management tools.
- **Researcher Academy (December 11, 2021)**
Certificate of Excellence: Fundamentals of Manuscript Preparation
Completed manuscript preparation course with distinction.
- **Researcher Academy (Elsevier) (December 11, 2021)**
How to Write an Abstract and Improve Your Article
Completed professional module on abstract writing and article enhancement.
- **Researcher Academy (December 11, 2021)**
How to Prepare Your Manuscript
Completed manuscript preparation training presented by Anthony Newman.
- **Researcher Academy & Dr. A.P.J. Abdul Kalam Technical University (December 10, 2021)**
Improving Research Performance with ScienceDirect Books
Attended workshop on enhancing research productivity using ScienceDirect, presented by Lavanya Trikhya.

Administrative skills:

Administrative Skills

- Served as **NAAC Criteria Co-Coordinator**, contributing significantly to institutional quality benchmarking and accreditation processes.
- Active **IQAC (Internal Quality Assurance Cell) Member**, involved in strategic planning, academic audits, and policy formulation to ensure continuous institutional improvement.
- Functioned as **Research Activity Coordinator**, promoting research culture, guiding faculty/student projects, organizing FDPs, and managing publications and ethics compliance.
- Appointed as **Student Welfare Committee Member**, focusing on student engagement, mental health initiatives, grievance redressal, and holistic development programs.

- Experience in coordinating **academic timetables**, internal assessment frameworks, and administrative communication across departments.
- Contributed to **curriculum development and BOS (Board of Studies)** initiatives for program revision aligned with industry demands and NEP 2020 guidelines.

Memberships-

- Active Member of Board of study under IIMT University, Meerut.
- Member of Board of study under Rajib Gandhi University of health science, Bangalore (2015-2018)
- Member of Local inspection committee (LIC) under Rajib Gandhi University of Health Science, Bangalore (2015-2018)
- Academic head in Optometrist society, India.

Teaching skills:

1. **Conducted lectures for undergraduate students –**
 - Ocular Anatomy and Physiology
 - General Physiology
 - Low vision
 - Disease
 - Instrumentation
 - Community Optometry
2. Conducted practical classes
3. Conducted Journal Clubs for Undergraduate students
4. Industrial visits and camps- Laboratories of Zeiss, Essilor, Classic.

Publication:

1. Manna P, Karmakar S, Bhardwaj GK, Mondal A. Accommodative spasm and its different treatment approaches: A systematic review. Eur J Ophthalmol. 2023;33(3):1273-86.
2. Biswas V, Bhardwaj GK, Karmakar S, Mondal A. Barriers in attaining low-vision care services: A narrative review. Delta J Ophthalmol. 2022;23(4):221-5.
3. Bhardwaj GK, Mondal A, Aggarwal S, Karmakar S. Normal tension glaucoma (NTG) – A probationers perspective. Acta Sci Ophthalmol. 2022;5(12):6.
4. Manna P, Sarbajna P, Karmakar S. Treatment approaches of accommodative spasm: A mini-review. J Clin Exp Ophthalmol. 2023;14:936.
5. Azam R, Bhardwaj GK, Karmakar S, Mondal A. Effect of illumination over fusional vergence – A narrative review. J Med Sci Clin Res. 2023;11(1):70-6.
6. Azam R, Karmakar S, Mondal A, Bhardwaj GK. The effect of illumination on positive fusional vergence. Br Ir Orthopt J. 2023;19(1):78.
7. Sarbajna P, Vinekar A, Manna P, Berendschot T, Webers CA, Shetty R, Karmakar S. Comparison of age-appropriate visual acuity tests based on preferential looking principles in infants with retinopathy of prematurity. J Ophthalmol. 2024;10(9).

8. Azam R, Bhardwaj GK, Karmakar S, Mondal A. Congenital third nerve palsy and associated findings: A case report. *Acta Sci Ophthalmol.* 2023;6(2).
9. Manna P, Karmakar S, Mondal A, Sarbajna P, Bhardwaj GK. Effects of two vision therapy approaches on accommodative insufficiency and post-therapy stability. *J Pediatr Ophthalmol Strabismus.* 2025;62(1):12-26.
10. Karmakar S, Mondal A, Verma N, Bhardwaj GK. Clinical implementation of ocular health findings in different phases of the menstruation cycle: A systematic review. *Indian J Clin Exp Ophthalmol.* 2023;4(9):468-79.
11. Mondal A, Karmakar S, Khan E, Bhardwaj GK, Ahuja A. Binocular vision status in coal miners. *Indian J Occup Environ Med.* 2024;28(3):194-7.
12. Manna P, Karmakar S, Mondal A, Sarbajna P, Paul R, Mudi M. Management of ocular aberration and convergence excess after LASIK with vision therapy. *Eye ENT Res.* 2024;1(2):140.
13. Paul R, Karmakar S, Banerjee S. Association between quality of life and visual characteristics in individuals with diabetic retinopathy. *Gulhane Med J.* 2025.
14. Karmakar S, Mondal A, Bhowmick P, Bhardwaj GK. Cognitive decline, dual sensory loss and the use of visual aids in elderly: A narrative review. *Oman J Ophthalmol.* 2025;18(2):113-20.
15. Manna P, Sarbajna P, Karmakar S, Mudi M, Vinekar A. Early intervention and vision therapy in developmental delay and visual impairment: A case report. *Neuro-Ophthalmology.* 2025:1-8.
16. Ghoshal R, Mondal A, Karmakar S, Verma N, Bhardwaj GK. Accommodation and vergence functions among children with dyslexia: A review of literature. *Indian J Clin Exp Ophthalmol.* 2024;10(3):415-29.
17. Paul R, Karmakar S, Ghoshal R, Mondal A. Low-vision at a tertiary eye care centre in Western India: A five-year retrospective study. *Gulhane Med J.* 2026.

Patent Filed:

1. Title of the invention : “INTEGRATED NIGHT BLINDNESS DETECTION SYSTEM” Application No.202511039571 A , Publication Date : 16/05/2025
2. Title of the invention : “STEREOCHROMATIC VERGENCE THERAPY DEVICE FOR VISUAL REHABILITATION” Date of filing of Application :01/04/2025 , Publication Date : 25/04/2025
3. Title of the invention : “LENS RETINOPRO” Date of filing of Application :06/03/2025 UTI 2993
4. Title of the invention: ‘VISION SCREENING SYSTEM’ Date of filing of Application :30/01/2024, Publication Date :26/12/2026
5. Title of the invention : “HANDHELD RETINOSCOPY DEVICE” Publication Date : 10-10-2025, Application No. 202511089215
6. Title of the invention : “WEARABLE AUGMENTED REALITY BASED VISUAL ENHANCEMENT DEVICE” Publication Date :03/10/2025, Application No. 202511095268
7. Title of the invention : “MULTI MODAL OCULAR THERAPY DEVICE” Publication Date :27/03/2026, Application No. 202611038214
8. Title of the invention : “A SYSTEM FOR EXTRA OCULAR MUSCLE MEASUREMENT” Publication Date :04/09/2026, Application No. 202611084934

Book Publication:

1. Textbook of occupational optometry (D. Kumar & R. Singh, Eds.; S. Karmakar, P. K. Athreya, & A. Mondal, Sub Eds.) [Kindle edition]. Amazon Kindle. <https://amzn.in/d/0ei81ycN>
2. Simplified Binocular Vision Practice: Practical guide for Optometrist. Dr.Gaurav K Bharadwaj (Author), Rishika singh (Editor), Animesh Mondal (Editor), Sourav Karmakar (Editor), Shruti Dagar (Editor), Dr.Ananth Krishnan (Editor). Amazon Kindle <https://amzn.in/d/0jm4QT39>
3. Karmakar, Sourav. "Chewing Gum as a Potential Intervention for Digital Eye Strain: A Double-Blind Crossover Study." *Core Principles of Integrated Multidisciplinary Healthcare Practice*, Helmand Books, 2025, pp. 162–175.
4. Karmakar, Sourav. "Pathophysiology and Risk Factors of Glaucoma: Narrative Review." *Research Horizons in Allied and Health Sciences*, Integrated Publications TM, 2025, pp. 165–173.
5. Karmakar, Sourav. "Refractive Outcomes after Anti-VEGF Injections and Laser Photocoagulation in Retinopathy of Prematurity: A Comprehensive Review." *Interdisciplinary Approaches in Modern Healthcare Delivery*, Bright Sky Publications TM, 2025, pp. 173–182.
6. Karmakar S. Impact of bioptic telescopes on driving performance in low vision patients. In: *AI in the Emerging Economy: Integrating Data, Decision, and Development*. p.107-115.

Languages known:

Bengali, Hindi and English.

Declaration:

I hereby declare that the above particulars of facts and information stated are true, correct and complete to the best of my knowledge.