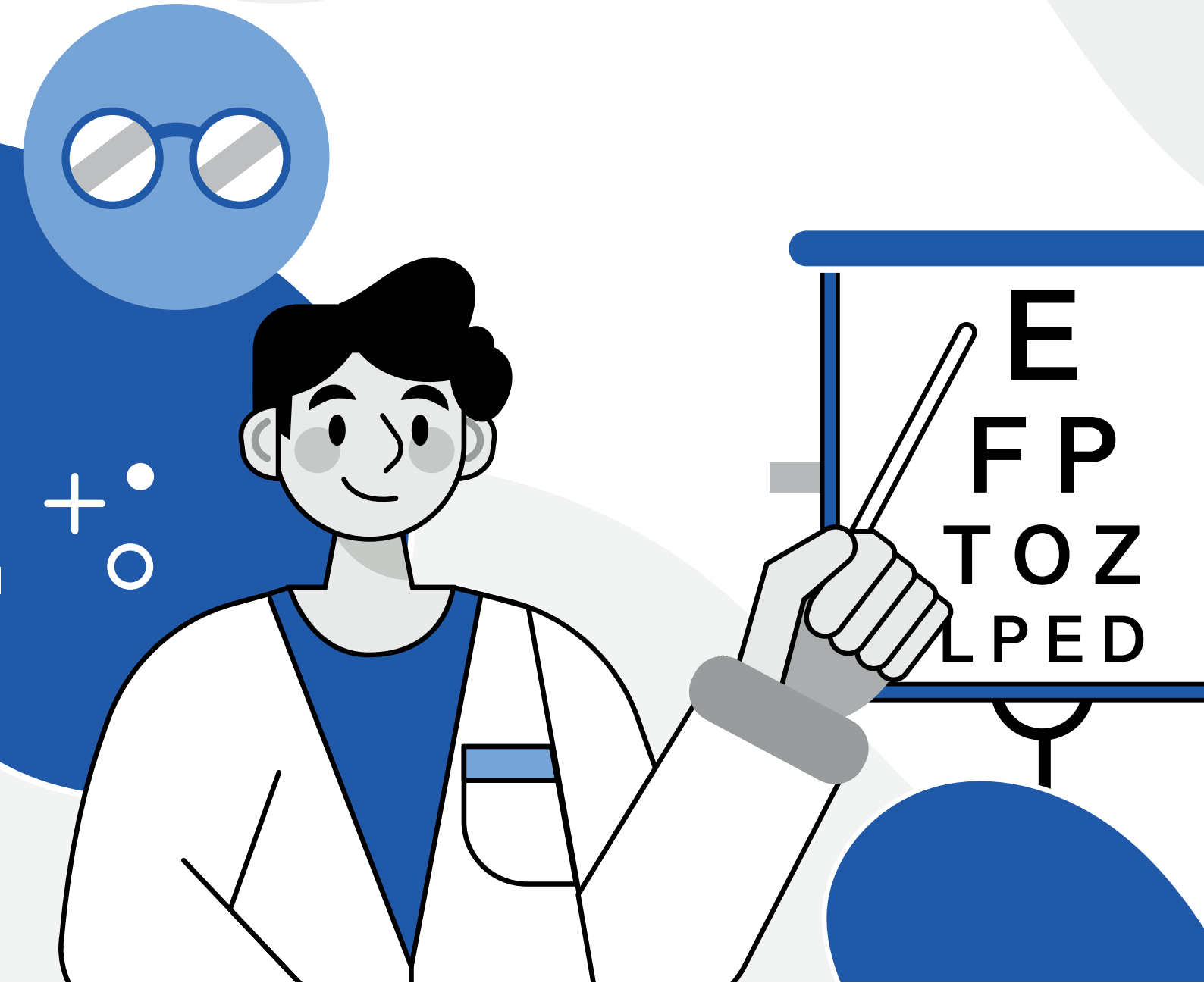
NEWS LETTER

For the month of December, Year 2024



Department of Optometry

SCHOOL OF ALLIED HEALTH SCIENCES
Swami Vivekananda University, Bara Kanthalia,
West Bengal 700121

SWAMI VIVEKANANDA UNIVERSITY
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DEPARTMENT OF OPTOMETRY
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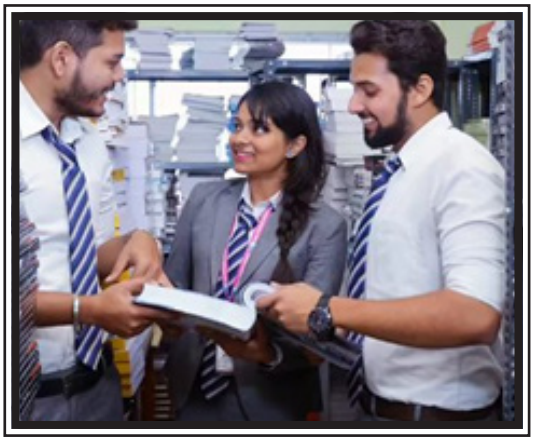

Optometry, the primary health care profession concerned with eye health consultation, diagnostics, disease management and primary eye disease treatment. B. Optometry is a four years graduation course including one year hospital internship program. During course pursuing students will learn about General & Ocular anatomy, Physiology, Biochemistry, Physical & Visual Optics, Community health, Disease management & Pharmacology, Systemic disease & eye etc with practical industrial exposure to become a successful professional Optometric practitioner. During Course conduction Swami Vivekananda University also prefer to organize so many eye camps so that students will be skilled enough to handle community patients and providing spectacles. Expert guest lectures and seminars are also vital for students that will be helpful to know about recent practice, research & development. For this purpose Swami Vivekananda University organize seminars, webinars and hands on workshop within the campus and also guide students to attend seminars organized by renowned Eye Hospitals. To enhance dispensing skill Optometry department of Swami Vivekananda University also constructed Optical lab and outdoor patient unit so that students, all category stuffs, outside common people can avail free eye treatment and spectacles also in very cheap rate. Our mission & vision to develop standard and well equipped modern laboratories and also develop optometry education platform with full of practical exposure and increase internship options.

Vision of the department

To be known globally as a centre of excellence for optometry and vision science education, innovation, interdisciplinary research, and practice for enhancing eye health.

Mission of the department

1. Establish state of art facilities for world-class optometry education and interdisciplinary research.
2. Collaborate with the health care sector for curriculum design and best practices.
3. Involve students in community health programs to develop lifelong learning and communication skills.

Faculties of Department Optometry

Dr. Dipanwita Ghosh

Dr. Manas Chakraborty

Dr. Prabirendra Nath Sinha

Mr. Arup Saha

Ms. Anusuya Das

Ms. Srimanti Sarkar

Mrs. Rikta Paul

Message From our Head of the Department

Dr. Dipanwita Ghosh
Assistant Professor & Head,
Department of Optometry

Dear Students, Faculty, and Esteemed Colleagues,

It is with great pride that I reflect upon the remarkable progress our Optometry Department has made over the past year. Together, we have achieved significant milestones in both academic and clinical excellence, positioning ourselves as leaders in the field of vision science. Our commitment to delivering high-quality education, fostering a research-driven environment, and providing exceptional patient care continues to drive our success.

Progress and Achievements
Our department has seen a notable increase in the enrollment of students, demonstrating the growing interest in optometry as a career choice. We have expanded our curriculum to include the latest advancements in optometric science, including digital eye care, tele-optometry, and advancements in refractive surgery. Additionally, our students and faculty have actively contributed to groundbreaking research, tackling key issues such as myopia control, ocular disease prevention, and the integration of technology in eye care.

The clinical training facilities have been further enhanced, offering students hands-on experience with cutting-edge diagnostic equipment and treatment techniques. Our partnership with local clinics and hospitals has allowed us to broaden the scope of patient care, ensuring that our students gain practical exposure to a diverse range of cases.

Future Goals
Looking ahead, our focus will be on continued innovation in both education and patient care. We aim to integrate emerging technologies such as artificial intelligence and virtual reality into our teaching and practice, preparing our students to meet the challenges of the future. Additionally, we will work on expanding our research programs, with an emphasis on global eye health and addressing the vision care needs of underserved populations.

We are also committed to strengthening our ties with international institutions to foster exchange programs, collaborative research, and knowledge-sharing opportunities. By doing so, we hope to continue developing leaders in optometry who will shape the future of eye care worldwide.

I would like to express my deepest gratitude to our dedicated faculty, staff, and students for their hard work, passion, and commitment to excellence. The achievements of our department would not be possible without your collective efforts. Together, we will continue to strive towards excellence in education, research, and clinical practice, ensuring that the future of optometry remains bright and full of promise.

Thank you for your continued support and dedication.

Exploring the Heart of Education: Our Board of Studies

Dear Readers,
In this edition, we shine a spotlight on the driving force behind our academic excellence: the Board of Studies. Composed of dedicated educators and experts, the Board plays a pivotal role in shaping the educational landscape of our institution. Here's a glimpse into their structure and function:

1. Who We Are
Members: Our Board of Studies comprises of

- Mrs. Dipanwita Ghosh (HOD)
- Dr. Prabirendra Nath Sinha (Academic coordination)
- Dr. Manas Chakraborty
- Mr. Arup Saha

- Ms. Srimanti Sarkar
- Ms. Sudha Prasad
- Ms. Rikta Paul
- Ms. Anusuya Das

- **Chairperson:** Dr. Somnath Ghosh, leading with vision and expertise, guiding our efforts towards academic inno vation and excellence.

- **Acedemic Expert:** Dr. Somnath Ghosh & others from various fields of expertise, ensuring a comprehensive perspective in curriculum development and educational policy.

2. Collaborative Approach

- Meetings and Decision-Making: Regular meetings facilitate constructive dialogue and informed decision-making, ensuring alignment with our institution's mission and values.

3. Achievements and Future Directions

- Recent Initiatives: Highlighting successful curriculum updates, innovative teaching methods, and student-centered initiatives.
- Future Goals: Anticipating new challenges and opportunities in education, from technology integration to global learning initiatives.

Students of Swami Vivekananda University, Barrackpore arranged Community an eye checkup camp at Naihati Apex Blind School by Department of Optometry.

Date:11/12/24
Location:Naihati Apex Blind School

Introduction:
Swami Vivekananda University successfully organized a free Eye Camp on, Naihati Apex Blind School. The event was part of our ongoing commitment to social responsibility and health awareness.

Event Overview:

The Eye Camp, held at Naihati Apex Blind School, was designed to offer eye check-ups, vision screenings, and consultations to individuals from the surrounding community. Our dedicated team of ophthalmologists, optometrists, and volunteers worked tirelessly to ensure the success of the event.

The Low Vision Assessment and Rehabilitation Camp held at Naihati Apex Blind School on 11th December 2024, was an essential initiative aimed at supporting individuals with visual impairments. The camp's primary objectives were to assess the vision status of participants, grade their visual impairments according to established criteria, and provide rehabilitation strategies that could help improve their daily lives. This event was organized by the distinguished faculty members of the institution, including Mrs. Dipanwita Ghosh, Assistant Professor and Head of the Department; Dr. Prabirendranath Sinha, Assistant Professor and Academic Coordinator; and Mr. Arup Saha, Assistant Professor. The camp aimed not only to offer professional assessment but also to educate participants and their families about low vision aids, rehabilitation techniques, and available support services.

The camp began with an initial registration and basic screening process to identify individuals who required further low vision assessment. After the screening, detailed vision assessments were conducted using specialized tools to measure visual acuity, field of vision, and ocular health. Based on these assessments, participants were classified according to the World Health Organization's blindness grading system, which ranges from mild to severe visual impairment and blindness. This grading helped in determining the level of care and rehabilitation each participant needed.

A key aspect of the camp was the low vision rehabilitation component, where faculty members provided tailored training and guidance. This included teaching adaptive techniques for daily activities such as cooking, mobility, and personal care. Participants were introduced to various assistive devices like magnifiers and text-to-speech software, while also receiving training in orientation and mobility skills to help them navigate environments more safely. In addition, psychological support was offered to help participants cope with their impairments and adjust to their new routines. The camp also focused on educating families, providing them with tools and strategies to support their loved ones in becoming more independent.

The contributions of the faculty members were central to the success of the camp. Mrs. Dipanwita Ghosh, as the Head of the Department, played a critical role in overseeing the rehabilitation activities and ensuring the emotional and practical support needed by the participants. Dr. Prabirendranath Sinha, in his capacity as Assistant Professor and Academic Coordinator, was responsible for conducting the vision assessments and grading the participants according to their level of visual impairment. He also ensured that the assessments were thorough and that each participant received the most accurate diagnosis. Mr. Arup Saha, Assistant Professor, led the rehabilitation sessions, guiding participants through the use of assistive devices and mobility training, while offering valuable insights into integrating these aids into everyday life. The camp was well-received, with 30 students benefiting from comprehensive low vision assessments. The majority of participants left the camp with a better understanding of their conditions and the tools they could use to enhance their quality of life. Families also gained valuable knowledge about how to better support their loved ones with visual impairments, empowering them to help their family members gain more independence. In conclusion, the Low Vision= Assessment, Blindness Grading, and Low Vision Rehabilitation Camp proved to be an invaluable experience for both the participants and their families. The efforts of the faculty members, including Mrs. Dipanwita Ghosh, Dr. Prabirendranath Sinha, and Mr. Arup Saha, were essential in making the event successful and impactful. Going forward, it is recommended to organize follow-up camps to monitor progress, expand the availability of assistive devices, and collaborate with healthcare providers to offer continuous care and support for individuals with visual impairments. The Naihati Apex Blind School remains committed to enhancing the lives of people with low vision and blindness through such initiatives.

Department of Optometry, School of Allied Health Science, Swami Vivekananda University, Barrackpore Campus

Students of Swami Vivekananda University, Barrackpore arranged Community an eye checkup camp at Patanjali Yog Nirog Kendra by Department of Optometry.

Date:20/12/24
Location:Patanjali Yog Nirog Kendra

Introduction:
Swami Vivekananda University successfully organized a free Eye Camp on, aimed at Patanjali Yog Nirog Kendra. The event was part of our ongoing commitment to social responsibility and health awareness.

Event Overview:
The Eye Camp, held at Patanjali Yog Nirog Kendra, was designed to offer eye check-ups, vision screenings, and consultations to individuals from the surrounding community. Our dedicated team of ophthalmologists, optometrists, and volunteers worked tirelessly to ensure the success of the event.

On 20th December 2024 an eye checkup camp, was successfully held at Patanjali Yog Nirog Kendra, aimed at providing essential eye health services to the local community. The camp's objectives were to assess cataracts, diagnose refractive errors, and offer general eye disease diagnosis. The event was a collaborative effort led by Dr. Manas Chakraborty, Assistant Professor, Dr. Prabirendranath Sinha, Assistant Professor and Academic Coordinator, and Mr. Arup Saha, Assistant Professor. These expert faculty members were responsible for conducting the evaluations, offering medical advice, and raising awareness about the importance of eye care.
The camp began with the registration and basic screening of participants, where individuals were asked about their medical history, including existing eye conditions. This allowed the medical team to prioritize those who needed immediate attention. The main activities of the camp included cataract evaluations, refraction error assessments, and disease diagnoses. In cataract evaluations, participants underwent tests to check for clouding in the lens, a common cause of blurred vision, and were provided with recommendations, including possible surgery or lifestyle changes. The refraction error evaluations focused on diagnosing refractive issues such as nearsightedness, farsightedness, and astigmatism. Visual acuity and refraction tests were conducted, and prescriptions for eyeglasses or referrals for further treatment were given based on the results. In addition to cataracts and refraction errors, other eye diseases such as glaucoma, diabetic retinopathy, and macular degeneration were also evaluated. Participants with suspected conditions were

referred for specialized treatment or follow-up consultations.

Throughout the camp, the faculty members played crucial roles. Dr. Manas Chakraborty led the cataract evaluation sessions, ensuring that each participant received a thorough examination and appropriate advice on managing cataracts. Dr. Prabirendranath Sinha coordinated the refraction error evaluations and disease diagnosis activities, ensuring accurate tests and interpreting the results effectively. He also provided guidance on managing refractive errors and the importance of corrective lenses. Meanwhile, Mr. Arup Saha focused on educating participants about eye health, offering counseling on preventive measures, and stressing the significance of regular eye check-ups to maintain long-term vision health.

The camp was a success, with numerous participants benefiting from the comprehensive eye assessments and receiving timely interventions. Many individuals were diagnosed with common refractive errors and cataracts, while others were referred for further treatment of eye diseases. The educational sessions were particularly impactful, as they raised awareness about the importance of eye care and preventive measures. The camp not only helped individuals address their current vision issues but also empowered them with knowledge to manage their eye health effectively in the future.

Overall, the event demonstrated the commitment of Patanjali Yog Nirog Kendra and its dedicated faculty members to improving the eye health of the community. The camp proved to be an invaluable opportunity for early detection of eye conditions, timely interventions, and educating the public about maintaining good vision.

Students of Swami Vivekananda University, Barrackpore arranged Community an eye checkup camp at Naihati Apex Blind School by Department of Optometry.

Date:11/12/24
Location:Naihati Apex Blind School

Introduction:
Swami Vivekananda University successfully organized a free Eye Camp on, aimed at Ramkrishna Arts and Computer Centre. The event was part of our ongoing commitment to social responsibility and health awareness.

Event Overview:
The Eye Camp, held at Ramkrishna Arts and Computer Centre, was designed to offer eye check-ups, vision screenings, and consultations to individuals from the surrounding community. Our dedicated team of ophthalmologists, optometrists, and volunteers worked tirelessly to ensure the success of the event.

On 21st December 2024, a comprehensive eye care camp was held at Ramkrishna Arts and Computer Centre, organized by the Department of Optometry. The camp, led by Mrs. Dipanwita Ghosh, Assistant Professor and Head of the Department, along with other faculty Ms. Srimanti Sarkar and Ms. Rikta Paul, both Assistant Professors, aimed to screen individuals for common eye conditions, including amblyopia, squint, myopia, and cataracts. The event provided valuable diagnostic services, contributing to the community's awareness of eye health and the early detection of potential issues.
The camp included several key activities. Vision screening was conducted using Snellen charts to assess visual acuity for both near and far distances. This screening helped identify individuals who required further assessment for refractive errors or other visual impairments. Amblyopia, was evaluated through a series of tests aimed at detecting any developmental delays in vision. For children with suspected amblyopia, corrective interventions such as patching therapy or corrective lenses were suggested. Squint (strabismus) diagnosis involved tests like the cover-uncover test and Hirschberg test to check for misalignment of the eyes. Individuals showing signs of squint were referred for further evaluation and treatment options, including glasses, vision therapy, or even surgery, depending on the severity of the condition.
A total of 45 students, especially teenagers and young adults, were assessed for the degree of myopia, and guidance was provided on corrective measures such as glasses, contact lenses, and myopia control strategies to prevent progression. Cataract screening targeted older adults, with visual acuity tests and slit-lamp

examinations identifying early signs of cataracts. Patients showing symptoms of cataracts were advised to consult an ophthalmologist for further evaluation and potential surgical options.

The findings from the camp revealed several cases of uncorrected refractive errors, including myopia, hypermetropia, and astigmatism. Some young children were diagnosed with amblyopia, requiring immediate intervention, while several individuals were identified with squint and were referred for specialized care. The myopia screening highlighted a significant number of young people with the condition, emphasizing the need for timely corrective measures. Additionally, older adults were found to have early signs of cataracts and were encouraged to seek specialized care.

The camp successfully raised awareness about eye health and the importance of regular eye check-ups. Many participants were provided with follow-up recommendations, including corrective eyewear, vision therapy, and surgical referrals. Preventive measures, such as good visual hygiene, regular breaks from screens, and proper lighting for reading, were emphasized. Given the success of the camp, the faculty members plan to organize more eye care camps in the future, with the intention of offering even more comprehensive services and reaching a larger population.

In conclusion, the eye care camp at Ramkrishna Arts and Computer Centre was a successful initiative that positively impacted the community's eye health. The dedicated efforts of Mrs. Dipanwita Ghosh, Ms. Srimanti Sarkar, and Ms. Rikta Paul, alongside the comprehensive diagnostic services provided, helped many individuals detect and manage their eye conditions effectively. The event highlighted the need for continued outreach and education on eye health in the community, and future camps are anticipated to further this cause.