



আলো ভুবন ট্রাস্ট

Serving Humanity & Sustainable Development
মানবসেবা ও টেকসই উন্নয়ন

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ABOUT US

Alo Bhubon Trust (Alo-BT) started its journey in 2017 with the noble purpose of "Serving Humanity and Sustainable Development". The Founder of Alo Bhubon Trust Prof. Dr. Golam Abu Zakaria was awarded a German Governmental scholarship designated by the Bangabandhu Government in 1972. His patriotism for the motherland, stimulates him to analyze the factors behind, for which Germany is so developed at that time in comparison to Bangladesh.

Mission

Cancer control in Bangladesh and South Asia region through training, awareness, screening, welfare home, self-help group and other activities. Address the environmental issues in terms of climate change, global warming and the use of renewable energy and plantation. Women empowerment, girl's education and save the child, welfare program rehabilitation service.

Since 1990, he has been ushering his knowledge and assistance from Germany to Bangladesh, focusing on Medical Physics education, rural education, healthcare, and renewable energy. In order to harmonize all of his previous activities, Prof. Zakaria, along with other of his close like-minded majestic people, founded the Alo Bhubon Trust (Alo-BT) in 2017 as a non-profit venture.

Vision

The study of the socio-economic, the scientific, technological, medical and environmental situation of Bangladesh and offer possible solutions to the problems encountered by the related stakeholders for the betterment of humanity.

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Chairman's Message



Prof. Dr. Golam Abu Zakaria
Founder Chairman
Alo Bhubon Trust (Alo-BT) & SCMPCR

Education, health, and renewable energy are the main areas of activity of the Alo Bhubon Trust (Alo-BT).

In the education sector, we want to minimize the norm gap between urban and rural areas. Here we promote the competence of school teachers through special training. We organize e-learning and practical training for students in various subjects, especially english, computer, and mathematics courses.

In the health sector, our main goal is to fight cancer. We are active in prevention and screening, diagnostics, treatment, and rehabilitation. We realize these activities through our project South Asia Centre for Medical Physics and Cancer Research (SCMPCR) . We have already started our new Cancer Diagnostic and Screening Centre project at Rahima Baniz Healthcare Centre (RBHC) in a rural area, Ikarkuri Village in Naogaon Sadar Upazilla. This is an interesting project where we are detecting cancer in its early stages so that the rural population of this area can get affordable and curative treatment.

In the area of renewable energy, our RBHC is partially powered by solar energy. We have planned our new “Green Village” project to fully equip the RBHC with solar panels. We will also illuminate the main street of the village with solar panels.

Dear reader you will find the reports on some of our activities in this Newsletter.

I am very pleased that our editor group has tried to reflect our activities for you so that you can get an idea of our current activities and future plan.

If you have comments or ideas, please send them to us so we can publish them in future issues. Thank you to our staff for their efforts in publishing this newsletter. Finally, I would like to thank our supporters, friends, and readers for staying loyal to us.

Prof. Dr. G. A. Zakaria

General Activities

Uniting for Progress: Alo-BT and UNV's Collaborative Seminar at DC Seminar Room, Naogaon

Alo-BT and UNV Bangladesh organized a seminar titled "Role of Volunteers towards Cancer Care Service in Rural Bangladesh" on March 02, 2023 at DC Conference Room, Naogaon. Mr Khaled Mehedy Hassan, Deputy Commissioner, Naogaon was present as Chief Guest. Among others, Dr. Kazi Anowarul Haque, Former Additional Secretary , Local Government Division (LGED), Bangladesh Secretariat (Government of the People's Republic of Bangladesh) , Mr Md. Aktar Uddin, Country Coordinator, UNV Bangladesh, Prof. Dr. G. A. Zakaria, Chairman and Chief Medical Physicist, Dept. of Medical Radiation Physics Gammersbach Hospital /Klinikum Oberberg, Germany and Founder Chairman, Alo-BT. The keynote speaker Prof. Dr. Hasin Anupama Azhari, Secretary General, Alo-BT and Professor, Institute of Natural Sciences, United International University (UIU) .The title of her presentation was "Role of Volunteers towards Cancer Care Service in Rural Bangladesh" and she focused in her speech Volunteers Ways to Support Cancer Prevention.

Alo-BT would like to disseminate the cancer awareness to the rural underprivileged inhabitants through volunteer .

The main motto of the speech is more than 80 percent cancer can be fully cured if it is diagnosed on early stage. Volunteers can play a vital role in spreading the important message that cancer screenings are the only way to prevent cancer.

Different National and International Non Governmental organizations (NGOs, INGOs), Civil Society Organizations (CIOs), Volunteer Involving Organizations (VIOs), various Govt. officials, women and youth organizations, corporate sector and other key stakeholders joined the event.

The Seminar aims to promote volunteerism, share best practices, and discuss methods for enhancing cancer care accessibility and support networks in rural communities while also drawing attention to the critical role that volunteers play in providing cancer care services in Bangladesh's rural areas. The conference aims to promote collaboration and inspire action to improve cancer care services for underprivileged communities in rural Bangladesh by bringing together professionals, volunteers, and stakeholders.



Figure 1: Alo-BT and UNV's Collaborative Seminar, DC Seminar Room, Naogaon

Empowering Health: Collaborative Cancer Awareness Campaign, Nazirartek, Cox's Bazar

On the occasion of World Cancer Day-2023, Alo-BT and South Asia Center for Medical Physics and Cancer Research (SCMPCR, a project of Alo-BT) and Youth Alliance for Sustainable International Development (YASID) jointly organized Cervical and Breast Cancer Awareness Program on February 8, 2023 at Nazirartek Shutki Palli, Cox's Bazar. Prof. Dr. Golam Abu Zakaria was present there as a special guest, Prof. Dr. Hasin Anupama Azhari, Miss Nahida Sultana, Junior Program Officer, Alo-BT, Fahim Md. Rafiul Islam, IT Officer, Alo-BT, Mr. Kaiser Hamid, Executive Director, YASID and Dr. Shefatuzzahan, Associate Professor and Head, Department of Oncology and Radiotherapy, Chittagong Mother and Child Hospital Medical College, Chittagong. Two volunteers Leo Tahsan Arif and Miss Sumaiya Kawsar were also present on behalf of YASID. Various local dignitaries and more than half a hundred local women of Nazirartek participated in the program.

Prof. Dr. Hasin Anupama Azhari gave highly fascinating and educational material through her lecture and power slide presentation. The session was well-received by all in attendance.

Finally, a free medical camp was organized by the cooperation of Dr. Shefatuzzahan and Prof. Dr. Hasin Anupama Azhari. They counseled the attendees on various topics including general health care, cancer.

Nazirartek is famous for the location of the largest shutki fish in Bangladesh where the people involved in making shutki faced challenging living conditions. Most of them are working there with their children in unhygienic conditions and are low-income individuals who struggle financially. They are immigrants from various regions of Bangladesh. Without adequate education, individuals lack knowledge about basic health practices, disease prevention, and proper healthcare-seeking behaviors. As a result, they endure a higher prevalence of preventable diseases and poor health outcomes in the population.

Low hygienic condition, multiparity, early marriages are the main causes of cervical cancer. It is seen that these are common in Nazirartek Sutki Palli which is very alarming. So awareness is very important in these communities.

Alo-BT is trying to get reach in these hard reach areas to message the community thereby to reduce mortality rate from cancer.



Figure 2: Cervical and Breast Cancer Awareness Program and Free Medical Campaign, Nazirartek, Cox's Bazar

CRP Visit by German Experts on Behalf of Alo-BT: Prof. Thomas Schrader and Dr. Kerstin Schrader

Prof. Dr. Thomas Schrader, Pathologist & Computer Scientist, Klinischer Risikomanager, Technische Hochschule Brandenburg/, Brandenburg University of Applied Sciences, Germany and his wife, Dr. Kerstin Schrader, Spektrum Akademie for Occupational Therapy and Physiotherapy (Berlin, DE) recently visited the Centre for the Rehabilitation of the Paralyzed (CRP) in Savar, Bangladesh. They were representing Alo-BT, an organization dedicated to making positive changes in society. During their visit, they were impressed by the impactful rehabilitation services provided by CRP to individuals with disabilities.

CRP warmly welcomed Prof. Thomas Schrader and Dr. Kerstin Schrader. They witnessed firsthand the center's commitment to providing personalized care to patients of all ages. CRP's approach focuses on tailoring rehabilitation services to meet the unique needs of each individual. The couple's expertise in their respective fields was highly valued during their visit, and they appreciated the dedication of CRP's staff and the positive impact of their work.

Dr. Kerstin Schrader, being passionate about education, was deeply moved by CRP's inclusion of quality schooling alongside rehabilitative care. This aligned perfectly with the mission of Alo-BT, which also emphasizes education as a means of empowerment. They recognized the importance of education in enabling individuals with disabilities to lead fulfilling lives.

Inspired by the work and projects of CRP, Prof. Thomas Schrader and Dr. Kerstin Schrader expressed their commitment to future collaborations. They aim to utilize their expertise and the resources of Alo-BT to further enhance CRP's impact. Their joint efforts will focus on promoting health, education, agriculture, and women's development in Bangladesh. By combining their strengths, they hope to contribute to the positive transformation of society and the well-being of individuals in need.



Figure 3: CRP visit Prof. Thomas Schrader and Dr. Kerstin Schrader and Meeting with CRP Personnel and Mr. Masum Chawdhury, Administrative Officer, Alo-BT

MPI Journal Review: Bridge Builder

Dr. Golam Abu Zakaria: Medical Physics International

Medical Physics International (MPI) Journal recently provided a comprehensive review of the book titled "Bridge Builder Dr. Golam Abu Zakaria: Medical Physics International." This captivating publication highlights the extraordinary life, illustrious career, and invaluable contributions of Dr. Zakaria to the fields of medical physics and international cooperation. With its six sections and 46 articles authored by esteemed professionals from diverse countries, the book serves as a testament to Dr. Zakaria's expertise and offers a blueprint for promoting Medical Physics as a bridge builder, both on a national and global scale.

The review in MPI Journal praises the book for encapsulating Dr. Golam Abu Zakaria's remarkable journey and showcasing his significant impact on the field of medical physics. Through a series of articles, the book unveils Dr. Zakaria's pioneering work and his relentless efforts in advancing healthcare through the application of physics principles.

With a keen focus on fostering international collaboration, the book brings together esteemed authors from various countries, presenting a diverse range of perspectives and experiences. The articles cover a wide array of topics, including IOMP Publications, professional topics, education and training, technology innovation, and insightful review articles.

The MPI Journal review concludes by highlighting the significance of Dr. Zakaria's contributions and the book's potential to inspire aspiring medical physicists. It emphasizes the importance of international cooperation and knowledge sharing in advancing the field and improving patient care worldwide. By honoring Dr. Zakaria's legacy as a bridge builder, the book sets a precedent for medical physicists to follow in his footsteps and make impactful contributions to the field on a global scale.



Figure 4: Bridge Builder Dr. Golam Abu Zakaria: Medical Physics International, MPI Journal Review



General Secretary, Alo-BT: Medical Physics Session Chair, National Conference on Physics 2023 Organized by Bangladesh Physical Society (BPS) at Jahangirnagar University

The National Conference on Physics 2023, organized by the Bangladesh Physical Society (BPS), took place at Jahangirnagar University conference room on March 9, 2023. The conference aimed to bring together physicists, researchers, and scholars from across the country to discuss the latest advancements in the field of physics. The event was honored by the presence of Dr. Mohammad Abu Sayem Karal, Professor, Department of Physics, Bangladesh University of Engineering and Technology (BUET) as the keynote speaker. There was a session on Medical Physics chaired by Prof. Dr. Hasin Anupama Azhari (General Secretary, Alo-BT) as an invited speaker. She also received a crest from the BPS.



Figure 6: National Conference on Physics 2023, Bangladesh Physical Society (BPS) and General Secretary, Alo-BT received a crest (From the left-1st picture Right side, 2nd picture in the middle)

Founder Chairman, Alo-BT Visit to Bangladesh Academy of Science in February 2023: A Moment of Honor and Recognition

In February 2023, Prof. Dr. G. A. Zakaria, Fellow, BAS paid a visit to the prestigious Bangladesh Academy of Science (BAS) and later also attended a general meeting presided by Emeritus Prof. Dr. Abul Kalam Azad Chowdhury. This visit marked a significant event as it provided an opportunity to strengthen the ties between the two esteemed organizations. During the visit, Prof. Dr. Zakaria was recognized for their outstanding contributions and dedication to the field of science.

Prof. Dr. Zakaria presented his book “**Professor Zakaria in Memories of His Admirers: Pioneer of Medical Physics of Bangladesh**” published by Alo-BT to the General Secretary Prof. Haseena Khan. Currently, she is a full-time member of the University Grant Commission (UGC). Also, in the meeting with the other members, BAS's remarkable efforts in promoting scientific research, innovation, and social welfare initiatives were thoroughly discussed. It acknowledged its visionary leadership and commitment to advancing the frontiers of knowledge and improving the lives of individuals and communities.



Figure 7: Prof. Dr. Zakaria Presented Book to Prof. Haseena Khan, General Secretary (Left) and Meeting with the Members of Bangladesh Academy of Science (BAS) (Right)

Empowering Futures: Alo Bhubon Training Center (ABTC) Offers Computer Education for a Brighter Tomorrow

Alo-BT has taken a significant step towards empowering individuals by establishing the Alo Bhubon Training Centre (ABTC). This center has received official approval from the Bangladesh Computer Education Development Society (BCEDS) and aims to provide valuable computer education. Initially, the center is offering two courses: Basic Computer and Computer Graphic Design, with durations of three months and six months respectively. The training sessions were conducted by Mr Sakib Mahmood Saad who is an experienced instructor. ABTC successfully commenced its first classes on May 5, 2023, with two students enrolled in each course. Classes are held every Friday and Saturday at 5 pm, providing a convenient schedule for students. This initiative by Alo-BT offers a promising opportunity for individuals to acquire essential computer skills and enhance their prospects for a brighter future.

Figure 8: Computer Education Training from Alo Bhubon Training Center (ABTC).

Fusion of Knowledge: Visitors to the New Alo-BT Office

Alo-BT, dedicated to sustainable development in Bangladesh, recently inaugurated its new office in Mirpur, Dhaka.

Prof. Dr. med. Thomas Schrader

Prof. Dr. med. Thomas Schrader, Pathologist & Computer Scientist, University of Applied Sciences, Germany, visit to Alo-BT presented a valuable opportunity for the convergence of pathology and technology. As a pathologist and computer scientist, he offered insights into the integration of advanced technologies in healthcare systems. Prof. Schrader engaged in insightful discussions with the trust's members, exploring ways to leverage digital solutions, artificial intelligence, and data analysis to improve healthcare delivery and diagnostics.

Dr. rer. med. Kerstin Schrader

Dr. Kerstin Schrader, Academy for Occupational Therapy and Physiotherapy, Berlin, brought her expertise in promoting physical well-being and rehabilitation to Alo-BT. Recognizing the importance of holistic health, she engaged in discussions on integrating physiotherapy services into the trust's healthcare initiatives. Dr. Schrader and the trust's members explored ways to empower individuals through physiotherapy, focusing on preventive care, rehabilitation programs, and promoting overall physical well-being.



Figure 9 (a) : Dr. Zahid Hussain, Economist & Promoter of Alo-BT with Prof. Schrader and Dr. Kerstin Schrader

Dr. Sanaul Mostafa

Dr. Sanaul Mostafa, Senior Adviser in International Development, Canada. He is expert in social entrepreneurship, strategic planning, and program development recently visited Alo-BT. With his extensive knowledge in results-based management, development research, and monitoring system development, as well as his focus on youth development, his visit brought a wealth of valuable insights to the trust. Collaborating with Alo-BT. Dr. Sanaul Mostafa aims to further enhance their initiatives, foster innovation, and empower communities for sustainable progress.



Figure 9 (b): Dr. Sanaul Mostafa and the Staff of Alo-BT

Prof. Dr. Qazi Mushtaq Hussain

Prof. Dr. Qazi Mushtaq Hussain, General Secretary, BCS, Senior Consultant, Clinical and Radiation Oncology, Labaid Cancer Hospital and super specialties Centre, Former Director, National Institute of Cancer Research and hospital (NICRH), Former Head, Department of Radiotherapy, Dhaka Medical College Hospital (DMCH), recently visited Alo BT to discuss the future of the organization as a charitable entity. With his extensive knowledge and expertise in the field of oncology, Prof. Dr. Qazi Mushtaq Hussain provided valuable insights on how Alo-BT can continue its charitable endeavors and make a meaningful impact by supporting cancer patients and their families. His visit served as an inspiring session that will shape the organization's strategies for fulfilling its mission of providing assistance and care to those affected by cancer.



Figure 9 (c): Prof. Dr. Qazi Mushtaq Hussain, Chairman and CEO of Alo-BT



Mr. Yanxiao Huang

Mr. Yanxiao Huang, Vice President, Insigma Stiid Group CO. LTD, Hangzhou, China. Furthermore, he is a proficient biomedical engineer and studied in Germany as well as was a student of Prof. Zakaria. Regarding this, he visited Alo-BT and expressed his desire to help Alo-BT through different projects.



Figure 9 (d): Mr. Yanxiao Huang and Chairman of Alo-BT

Dr. Kazi Anowarul Haque

Dr. Kazi Anowarul Haque, Former Additional Secretary, Local Government Division (LGED), Bangladesh Secretariat (Government of the People's Republic of Bangladesh). He expressed his interest in working collaboratively with Alo-BT by providing different projects and ideas through his various known channels.

Medical Physicists

Md. Akhtaruzzaman PhD, Chief Medical Physicist, Evercare Hospital, Chattogram, Md. Anwarul Islam, PhD, DIMPCB, Coordinator Medical Physicist, Square Cancer Centre, Square Hospitals Ltd, Mr. Safayet Zaman, Senior Medical Physicist, Projukti International & Department of Radiotherapy, Dhaka Medical College Hospital, Md. Jobairul Islam, Medical Physicist cum RCO, Labaid Cancer Hospital & Super Specialty Center, Dhaka also visited Alo-BT new office. They shared their knowledge and also express their interest to work collaborately with Alo-BT.



Figure 9 (e): Dr. Kazi Anowarul Haque, Medical Physicists, Chairman, CEO, and Staff of Alo-BT

All of the esteemed visitors enriched Alo-BT new office. Their expertise in variety of sectors fostered collaborations that will contribute to sustainable development in Bangladesh. Together, they exemplify the trust's commitment to serving humanity.

Evaluation examinations were held on July 22 for ELP-6 and October 28 for ELP-07 in 2022. Participants who achieved more than 50% marks received certificates with CPD points, while others received certificates of attendance. SCMPCR always values feedback from speakers and participants, striving to continuously improve its programs. The organization aims to develop future leaders and enhance skills in medical physics and radiotherapy, promoting accessible and high-quality education.

SCMPCR Empowers Medical Physicists and Radiotherapists Worldwide through In-Service Training and Expert Collaboration

SCMPCR is committed to the ongoing training of medical physicists and radiotherapists worldwide and actively contributes to the accomplishment of SDG Goal 3, which aims to guarantee health and wellbeing for all by 2030. Eng. Salih Arican, a senior expert in electrical engineering (Dipl.-Ing.), who is from Germany, has accepted an invitation from SCMPCR in order to promote knowledge exchange. He also holds a B.Sc. in electrical engineering and an M.Sc. in medical physics. The training took place at the Military Institute of Science and Technology (MIST). A circular was circulated through various media channels, inviting interested individuals to apply for the Medical Imaging and Radiotherapy training program. Approximately 100 applications were submitted, which completely overwhelmed the organizing committee. After careful consideration, the SCMPCR in-service committee selected 37 highly capable participants to enroll in the course.

The in-service training program was run from October 24 to November 14, 2022, and it included theory classes with reviews and assessments from October 25 to October 29 at MIST as well as a clinical visit to Ahsania Mission Cancer and General Hospital, Uttara, on October 30 and 31. The participants received their well-deserved certificates on November 1st after the exam was successfully completed. After the course was over, Mr. Salih Arican also gave some demonstration lectures at MIST from November 6 through November 9 on advanced imaging technologies for medical physics and radiotherapy.



Figure 11: In-Service Training for Medical Physicists and Radiotherapists

Advancing Radiation Therapy: SCMPCR's Successful Workshop on Modern Techniques

SCMPCR in collaboration with the Global Access to Cancer Care Foundation (GACCF), Labaid Cancer Hospital and Super Speciality Center and PTW The Dosimetry Company organized a hands-on training workshop of titled 'Modern Quality Assurance in Modern Radiotherapy' from February 15th to 18th, 2023. The workshop, which took place at the Labaid Cancer Hospital and Super Speciality Center, Dhaka, Bangladesh. The program was endorsed by the American Association of Physicists in Medicine (AAPM) and accredited by the International Organization for Medical Physics (IOMP). Its objective was to provide cancer professionals with practical expertise and knowledge of cutting-edge radiotherapy techniques.

The recent hands-on training workshop on Special Techniques of Radiation Therapy exemplifies SCMPCR's commitment to advancing radiation oncology. The workshop gathered cancer professionals from South Asia and beyond, providing them with comprehensive insights into the latest techniques and technologies employed in radiation therapy. Twenty-five people from Bangladesh, India, and Nepal attended the workshop on contemporary quality assurance techniques in radiotherapy. Four expert trainers from Germany, Belgium, and India led the program, which promoted cross-learning and knowledge sharing among experts from different countries. Participants gained a broader understanding of the field through the unique perspectives of the trainers on the latest techniques and technologies in radiation therapy. The workshop covered a variety of specialized techniques, such as stereotactic body radiotherapy (SBRT), image-guided radiotherapy (IGRT), and surface guided radiation therapy (SGRT), in theoretical lectures and practical training sessions. The final day of the workshop featured a discussion and examination session, allowing participants to seek clarifications and deepen their understanding of the workshop's concepts.

Following the workshop, there was a feedback session where participants could discuss their insights and ideas for future workshops. SCMPCR noted the

suggestions made in order to improve upcoming programs. Participants, instructors, and organizers all came out for the workshop's closing ceremony, which served as its conclusion. Participants in this event received completion certificates, which recognized their commitment to learning and development of their radiation therapy-related skills. SCMPCR's hands-on training workshop was a resounding success. The program gave cancer professionals useful skills and knowledge of contemporary methods for radiotherapy quality control.



Figure 12: Workshop on Modern Techniques



Empowering Futures: Comprehensive Computer Training Program by Alo-BT and SpaandanB

The comprehensive computer training program, jointly organized by Alo-BT and SpaandanB, commenced on March 30, 2023 for 36 class ten students of SpaandanB School. A MOU was signed between Alo-BT and SpaandanB. The program spanned three months and aimed to provide the students with essential computer skills and knowledge to enhance their digital literacy and prepare them for the challenges of the digital age. The training sessions were conducted by Mr. Ahmad Musa Tasnim, United International University (UIU), who is an experienced instructor and provides them with the best possible training and empowers them with the necessary skills for their future endeavors. Interactive learning methodologies and continuous evaluation will be employed to ensure active participation and track the students' progress. Upon successful completion of the program, each student will be awarded a certificate of achievement. The program has had a positive impact on the students, improving their computer proficiency and confidence in navigating the digital landscape.



Figure 13: Comprehensive Computer Training Program by Alo-BT, SpaandanB (Left) and Prof. Dr. Amena Begum, Country Director, SpaandanB with Prof. Dr. Hasin Anupama Azhari, GS, Alo-BT (MOU signed, Right)

Shimmering Unity: A Blossoming Breast Cancer Awareness Program in Naogaon by Alo-BT and Rotary Club of Paharpur, Naogaon

Breast cancer is a significant health concern affecting millions of women worldwide. To combat this disease and raise awareness about early detection and prevention, Alo-BT, in collaboration with the Rotary Club of Paharpur, Naogaon and Rotary Club of Padma Rajshahi, organized a Breast Cancer Awareness Program on September 5, 2022 at Jahangirpur Girls School and College, Mohadevpur, Naogaon. Rotarian member Dr. Patrick Bipul Biswas from Rajshahi Rotary. The keynote speaker Dr Md Mohibur Hossain Nirob, Oncologist Dinajpur medical college also joined the program. Club President Mrs. Maksuda Begam presiding over the seminar and there were a series of informative sessions conducted by medical professionals and experts in the field of breast cancer. These sessions covered topics such as the signs and symptoms of breast cancer, the importance of self-examination, and the need for regular mammograms. The speakers emphasized the role of early detection in improving treatment outcomes and saving lives. The program served as a catalyst for positive change, empowering women to prioritize their health, encouraging early detection practices, and fostering a supportive community. By organizing such initiatives, Alo-BT and the Rotary Club of Paharpur, Naogaon, have set an inspiring example for other communities to follow in their quest to combat breast cancer and ensure the well-being of their members.



Figure 14: Breast Cancer Awareness Program, Jahangirpur Girls School and College, Mohadevpur, Naogaon

Nurturing Health: RBHC and Ikarkuri Govt. Primary School Unite for Awareness Program

Alo-BT and Rotary Club of Dhaka Dhruva Tara jointly organized a health awareness program for the children of Ikarkuri Primary School in Naogaon on September 22, 2022. Primary level is the foundation of education. It is important to give extra care to the unprivileged children. The program aimed to educate and empower the students about various aspects of health, including hygiene, nutrition, and preventive measures. Through interactive sessions, engaging activities, and informative presentations, the program sought to instill healthy habits and promote overall well-being among the children. By leveraging the expertise and resources of both organizations, the health awareness program aimed to create a positive impact on the lives of the students, equipping them with knowledge and skills to make informed decisions for a healthier future. Prof. Dr. Hasin Anupama Azhari, General Secretary, Alo-BT and on behalf of School Teacher Ms Sathi Banu delivered her valuable speech.



Figure 15: Health Awareness Program with Ikarkuri Govt. Primary School students

Unleashing Potential: The Promising Future Plan of RBHC

The future vision of Rahima Baniz Healthcare Centre (RBHC) is to establish a state-of-the-art Cancer Screening and Diagnostic Centre. Diagnostic and Cancer Screening Centre and will provide the services of non-communicable diseases (e.g.: Cancer screening, other Pathological tests). This centre aims to provide comprehensive and accessible cancer screening services to the community, focusing on early detection and prevention. The Cancer Screening and Diagnostic Centre at RBHC will be equipped with advanced medical technologies and facilities, including advanced imaging equipment, pathology laboratories, and a team of skilled medical professionals specialized in cancer diagnosis and treatment. The centre will offer a wide range of screening programs for various types of cancers, with a particular focus on cervical and breast cancer.

The goal of the centre is to raise awareness about the importance of regular screenings and early detection in combating cancer. It will provide education and outreach programs to the community, encouraging individuals to undergo regular screenings and promoting a proactive approach to their health.

The centre will also offer counseling and support services for individuals and families affected by cancer, ensuring holistic care and emotional well-being. The Centre will collaborate with local and international organizations, medical professionals, and researchers to stay at the forefront of cancer research and treatment. It will strive to contribute to the advancement of medical knowledge, improve treatment outcomes, and make a positive impact on the community's health.



Figure 16: 1st floor of Rahima Baniz Healthcare Centre

Exploring the Path of Engagement: Visitors' Journey at RBHC from January to July, 2022

On the February 23, 2023 Ikarkuri High School Inauguration Day Dr. Prittim Kumar Das was present. Along with him, Naogaon Govt. College Assistant Professor Kazi Matiur Rahman came to visit our hospital. After that Naogaon district MP Barrister Nizam Uddin Jalil John along with other dignitaries visited the hospital and explored what services are offered at the hospital. And they are very happy and very appreciative. They assured full cooperation for sustainable development of this Hospital

Md. Nabibur Rahman a Medical Information officer from Radiant Pharmaceuticals limited, Naogaon Sadar came to visit RBHC on March 15, 2023. He wanted to know the services provided here and the doctors' appointment schedules in order to see how his company might support the hospital.

On March 25, 2023, Kaba Eye Hospital and RBHC were collaboratively organized an eye camp. From 10 am until 2 pm, this promotion was run absolutely free of charge. On this day, eye services were delivered to 30 to 35 patients. Dr. Sabbir Islam and Mr. Ahsan Habib Shuvo were in charge of managing the campaign.

The Chairman of Runner group Mr. Hafizur Rahman and Mr. Jahangir Alam, businessman, Sahana Bagh Resort visited the RBHC on April 24, 2023. They are delighted at seeing this kind of activity in Naogaon District for the first time. Additionally, they shared their view with great interest, saying that it is an excellent opportunity for our underprivileged neighborhood. They always want to support this hospital in the future.

On June 1, 2023, Mrs. Samsun Nahar and a few students from Ikarkuri High School paid a visit to RBHC . They all took a tour of the hospital and physiotherapist Mr. Marjuk Hossain briefed them about the hospital's services.

Mr. Tofayel Ahmed, Executive Engineer, LGED, Naogaon visited RBHC on June 4, 2023 and highlighted this hospital as a center of unique excellence and unparalleled service.



Figure 17 (a): Staff from Kaba Eye Hospital



Figure 17(b): Mr. Tofayl Ahmed, Executive Engineer, LGED, Naogaon with RBHC staff

Empowering Education and Healthcare: Celebrating the Inauguration, Prize Distribution and Ikarkuri High School, Naogaon and Visit to RBHC

The auspicious opening and prize distribution ceremony of Ikarkuri High School in Naogaon Sadar, Naogaon took place on February 23, 2023. The event was graced by the presence of Prof. Dr. Golam Abu Zakaria, the President of Ikarkuri High School and Chairman of Alo-BT, as well as Mr. Barrister Nizam Uddin John, the Honorable Member of Parliament-50, Naogaon 05. The ceremony marked the official inauguration of the school and also included the distribution of prizes to deserving students for their academic achievements. The ceremony included various cultural performances, speeches, and the distribution of prizes to deserving students. The presence of esteemed guests added prestige to the occasion, inspiring the students and staff of Ikarkuri High School to strive for excellence in their academic pursuits.

Furthermore, as part of the event, a visit was organized to Rahima Baniz Healthcare Centre (RBHC). This visit aimed to highlight the importance of healthcare services in the community. The delegates had the opportunity to witness the excellent facilities and services provided by RBHC in delivering quality healthcare to the people of Naogaon.



Figure 18 (a), (b) : Inauguration and Prize Distribution Ceremony at Naogaon



Figure 18 (c) : RBHC Visit of Mr. Barrister Nizam Uddin John and RBHC Personnel

News & Events

A Legacy of Leadership: A Commemorative Gift for the German President

In anticipation of Bangabandhu Sheikh Mujibur Rahman's 100th birthday in 2020, Bangladesh Study and Development Centre (BSEZ), Germany published a book titled “ Sheikh Mujibur Rahman: Founding Father, Social Reformer and Visionary” in German language with the purpose of familiarizing Bangabandhu to German citizens (Editor: Prof. Dr. Golam Abu Zakaria). On June 18, 2022, on behalf of Prof. Dr. Zakaria, Mr. Anwar, Bonn presented a copy of the book to the German President Mr. Frank-Walter Steinmeier at Hammerschmidt Villa in Germany. By presenting this book, Prof. Dr. Zakaria has tried to bring the pioneering role and inspirational story of Bangabandhu Sheikh Mujibur Rahman to the global audience.

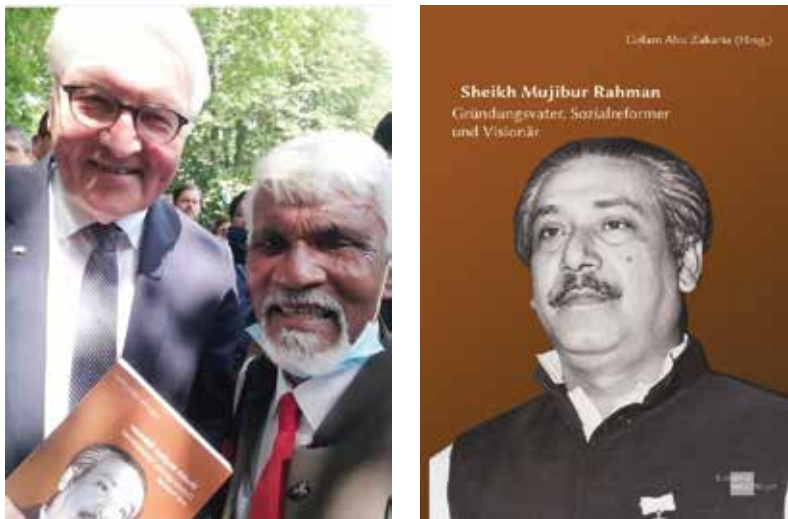


Figure 19: Commemorative Gift for the German President on behalf of Prof. Dr. G. A. Zakaria

Latest Books Published by Alo-BT on Prof. G. A. Zakaria

We are delighted to announce the release of two groundbreaking books by the esteemed medical physicist, Prof. Dr. G. A. Zakaria. These captivating works delve into the fascinating realm of medical physics, offering invaluable insights and knowledge to both professionals and enthusiasts alike.

Book 1: Bridge Builder

Dr. Golam Abu Zakaria: Medical Physics International

The book was published by Power Publishers in India, with a foreword by Prof. Dr. Tomas Kron and Prof. Dr. Mesbahuddin Ahmad. Prof. Dr. Hasin Anupama Azhari, Prof. Dr. Arun Chougule and Dipl.-Ing Volker Steil served as the book's editors. This remarkable publication encapsulates Prof. Dr. Zakaria's life, career, and invaluable contributions to the fields of medical physics and international cooperation. Comprising six sections and featuring a total of 46 articles, the book showcases the expertise of esteemed authors from diverse countries. Its comprehensive content offers future generations a blueprint for promoting Medical Physics as a bridge builder, both on a national and global scale.

Book 2:

অনুরাগীদের স্মৃতিকথায় অধ্যাপক জাকারিয়া

বাংলাদেশে মেডিকেল ফিজিক্সের পথিকৃৎ

(Professor Zakaria in the Memories of His Admirers: Pioneer of Medical Physics in Bangladesh)

This captivating Bangla book celebrates the extraordinary contributions of Professor Zakaria in the field of medical physics. Through heartwarming anecdotes, personal accounts, and insightful reflections, অনুরাগীদের স্মৃতিকথায় অধ্যাপক জাকারিয়া বাংলাদেশে মেডিকেল ফিজিক্সের পথিকৃৎ (Professor Zakaria in the Memories of His Admirers: Pioneer of Medical Physics in Bangladesh) offers a unique glimpse into the life and accomplishments of this revered figure. Admirers and colleagues share their memories, paying homage to Professor Zakaria's unwavering dedication, innovative research, and compassionate mentoring.

Prof. Golam Abu Zakaria's books are not just informative but transformative, offering a wealth of knowledge and inspiration. With their recent publication, these books have already garnered praise from professionals in the medical physics community. They serve as indispensable resources for those seeking to expand their understanding of this crucial field, as well as tributes to the remarkable career of a beloved mentor.

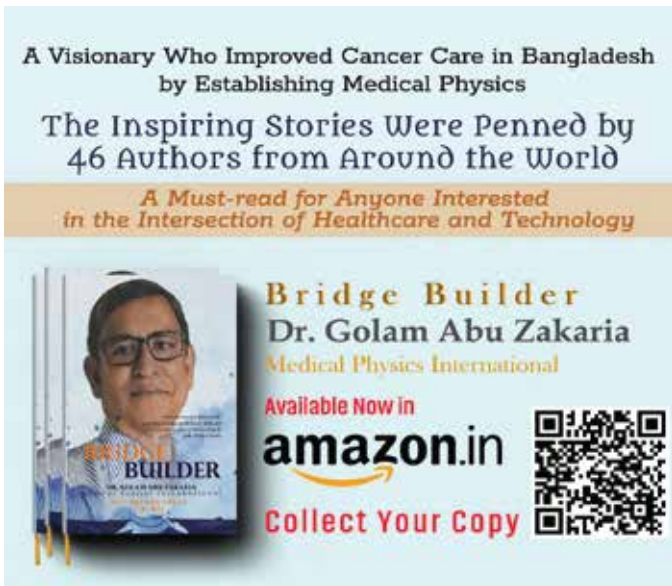


Figure 20: Latest Books on Prof. Golam Abu Zakaria English and Bangla

Unveiling Literary Treasures: Book Publication at Ekushe Boi Mela, Dhaka-2023



The book about Dr. Golam Abu Zakaria titled, অনুরাগীদের স্মৃতিকথায় অধ্যাপক জাকারিয়া বাংলাদেশে মেডিকেল ফিজিক্সের পথিকৃৎ (Professor Zakaria in the Memories of His Admirers: Pioneer of Medical Physics in Bangladesh), was recently unveiled at Ekushe Book Fair 2023. This captivating work offers a heartfelt celebration of his exceptional contributions in the field of medical physics. Through anecdotes, reflections, and testimonials, the book pays homage to his dedication, innovative research, and compassionate mentoring. It serves as an inspiring testament to his remarkable journey, inspiring readers to pursue excellence in their own endeavors. The unveiling program was held at Bangla Academy of Dhaka University. The renowned book fair further amplifies the significance of this literary achievement, providing wider recognition of Dr. Zakaria's invaluable impact on the field. “অনুরাগীদের স্মৃতিকথায় অধ্যাপক জাকারিয়া বাংলাদেশে মেডিকেল ফিজিক্সের পথিকৃৎ” is not just a book; it is a tribute to a visionary who has left an indelible mark on the world of medical physics, inspiring generations to push boundaries and strive for greatness.



Figure 21: Book Publication at Ekushe Boi Mela, Dhaka-2023

Mohammadpur Kendria College Seminar

On February 28, 2023, a seminar was held on Physics “Fighting Against Cancer: Medical Physics in Radiation Oncology and Imaging” at Mohammadpur Kendriya College, Dhaka. The keynote speaker was Prof. Dr. Golam Abu Zakaria.

This seminar was organized by Dept. of Physics and Alo-BT. The Chief Guest- was Syed Jafar Ali, Principal, Mohammadpur Kendriya College, Dhaka. Invited speaker was Prof. Dr. A. K. M. Abdul Hakim, Department of Nanomaterials and Ceramic Engineering, BUET. Prof. Dr. H. M. Waliullah, Dean, Science Faculty, Mohammadpur Kendriya College, Dhaka, presided over the seminar.



Figure 22: Seminar at Mohammadpur Kendria College

Collaborative Activities by Prof. Dr. Golam Abu Zakaria

Solar Meeting in Germany for Solar Village

On May 4, 2023, Prof. Baerwolff and Prof. Zakaria met with Mr. Rudolf Schmitz, Founder of SCEMTEC, along with CEOs Mr. Florian Schmitz and Mr. Thomas Mulsow of SCEMTEC, Reichhof-Wehnrath. SCEMTEC provided a solar panel to the Alo-BT rural project hospital in January 2012. This panel is still used today to power the electrical system during load shedding. Dr. Zakaria wants the hospital to use renewable energy for its operations. In light of this, a conversation was had throughout the meeting.



Figure 23: Solar Meeting at SCEMTEC, Reichhof-Wehnrath, Germany

Physiotherapy

The proprietor of Physio Motion (Physiotherapy and Training), Wiehl, Mr. Tobias Kothe, and Prof. Zakaria, Founder Chairman, Alo-BT met on June 1, 2023, to discuss the physiotherapy center's collaboration with Rahima Baniz Health Care Centre, an Alo -BT project located in Naogaon, Bangladesh. In addition to introducing German new technology, Dr. Zakaria wants to upgrade the skills of the RBHC's current workforce.



Figure 24: Collaborative Activities by Prof. Dr. Golam Abu Zakaria for Physiotherapy

Cancer Screening, RBHC, Naogaon

Since screening can prevent over 70% of cancer cases, one of Alo-BT's main objectives is to screen women for breast and cervical cancer. The adjacent villages of Naogaon are the aim of the RBHC effort. From September, 2023 to till now, 160 women underwent a VIA test and a breast screening at RBHC, Ikarkuri, Naogaon (a project of AloBT). Three of the women had VIA positive, and for confirmation, those patients underwent a colposcopy. Employees at RBHC maintain a continuous follow-up for positive cancer cases.

The concerns of women were addressed, and medical professionals from RBHC provided a demonstration on how to conduct a self-examination to prevent breast cancer. Additionally, the women were advised to do regular checkups to prevent these diseases.



Figure 25: Collaborative Activities for Cancer Screening

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