



ASSAM
DON BOSCO
UNIVERSITY

2021-2022

Annual Sustainability Report



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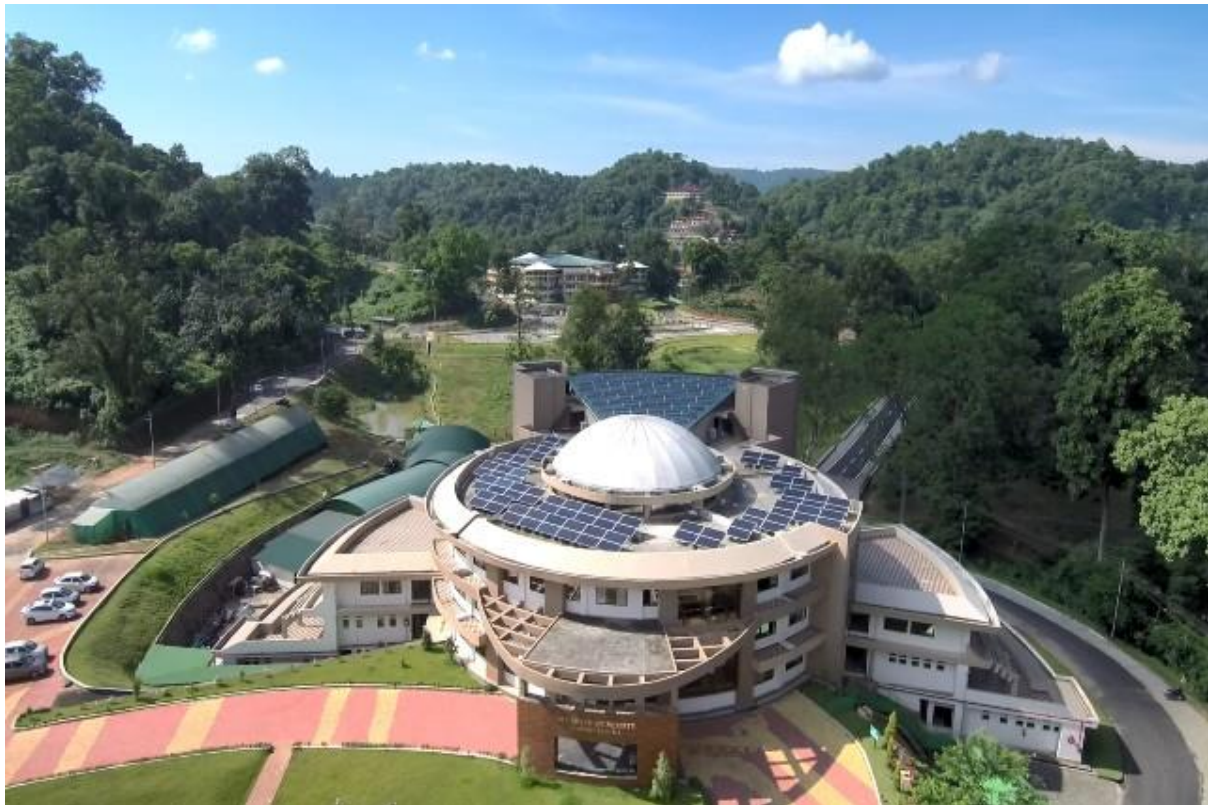
INTRODUCTION



The Sustainable Development Goals (SDGs) are a set of 17 global goals adopted by the United Nations in 2015 as part of the 2030 Agenda for Sustainable Development. They aim to address pressing global challenges, including poverty, inequality, climate change, environmental degradation, peace, and justice. The SDGs provide a comprehensive framework for countries and organizations to work towards a sustainable and equitable future. Each goal is interconnected, emphasizing the need for collective action across economic, social, and environmental dimensions. Education, innovation, and responsible resource management play a crucial role in achieving these goals. By promoting sustainable practices and inclusive development, the SDGs seek to improve the quality of life for present and future generations.

SUSTAINABILITY AGENDA OF THE UNIVERSITY

Assam Don Bosco University's sustainability agenda is deeply embedded in its vision, reflecting the University's commitment to all its stakeholders, including students, parents, faculty, staff, alumni, benefactors, and the governing body. This agenda serves as a roadmap for fostering a vibrant, self-sustaining campus community. The University aligns its three campuses with a holistic sustainability vision, setting clear goals in education, clean energy, nature conservation, and ecosystem management. Faculty and staff are encouraged to drive sustainability initiatives through cutting-edge research and technology to address regional challenges. With a strong foundation in values and dedicated faculty, the University nurtures an enriching learning environment. The listed activities showcase the University's ongoing progress in achieving the Sustainable Development Goals (SDGs). Furthermore, the Annual Sustainability Report highlights various activities, publications, and projects undertaken by the University to reinforce its commitment to achieving all SDGs.



ACTIVITIES



APRIL 2021

ONE-DAY WORKSHOP ON QUALITY FISH SEED MANAGEMENT FOR SCIENTIFIC FISH FARMING

In the first week of April 2021, the Department of Zoology of the University in collaboration with Ulani Krishipam Samabai Samittee, Ulani (Khetri) and Fishfed, Department of Fishery, Government of Assam, engaged the community members of Ulani through a survey conducted to identify problems in fish farming in the village. The survey revealed that the primary problem encountered is the unavailability of “quality fish feed”. With this in mind, a one-day workshop on “Quality Fish Seed Management for Scientific Fish Farming” was organised on 18 April 2021 at Ulani Village, Khetri.

The key speakers were Dr. Dhruvajyoti Sharma, Managing Director, Fishfed, Department of Fishery, Government of Assam; Dr. Sanjay Sharma, State Coordinator of Fishery, World Bank Project; and Mr. Santanu Saikia, President, AKINCHAN. The speakers focussed on “fish improvement initiatives” which include adoption of modern technologies and using high quality fish seed to boost their productivity for meeting the growing demands of the population and in turn, improve their socioeconomic status. The importance of fish hatcheries was highlighted and the establishment of a hatchery association was also encouraged. The speakers were enthusiastic about transforming the village into a “Quality Fish Seed Bank Village” which will supply fish seeds to other regions whenever required.

Furthermore, the community members were educated about pond management which is of utmost importance for the success of the programme. Assam Don Bosco University will regularly monitor the progress under the aegis of Fishfed, Government of Assam.



APRIL 2021

WORLD EARTH DAY

22 April, celebrated as Earth Day, marks an important annual event where people across the world come together to ‘demonstrate support for environmental protection’. The theme for this year’s Earth Day is “Restore Our Earth”. To contribute to this event, the Department of Zoology in collaboration with the EcoClub organised a short programme which featured a brief introduction on the significance of the day followed by the release of the annual Wall Magazine of the Department. Resmin Sultana, a student of the Department, delivered a riveting message on the current scenario and emphasized how we can become harbingers of global environmental change. The Wall Magazine was unveiled by Rev. Fr. (Dr.) Stephen Mavely, Vice Chancellor, Assam Don Bosco University who, in his speech, reminded us of our role as “Stewards” of the Earth and not its Masters, and encouraged everyone to be conscious of their responsibilities in protecting and conserving the Earth.

On this Earth Day, let us pledge towards restoring our planet and making peace with nature, inspired by our very own traditional ethos of living in harmony with the environment.



MAY 2021

SKILL DEVELOPMENT PROGRAM ON ECO-FRIENDLY RECYCLING: TRANSFORMING USED PAPER INTO DECORATIVE PAPER.

The Department of Biochemistry organized a paper recycling event on 30 May 2021 to promote environmental sustainability. The event focused on the process of recycling used paper and newspapers, which involves pulping, de-inking, and refining to produce fresh paper while minimizing deforestation and environmental impact. Participants learned about advanced enzymatic and chemical treatments that enhance fiber quality, ensuring durability and printability. This initiative emphasized the importance of resource



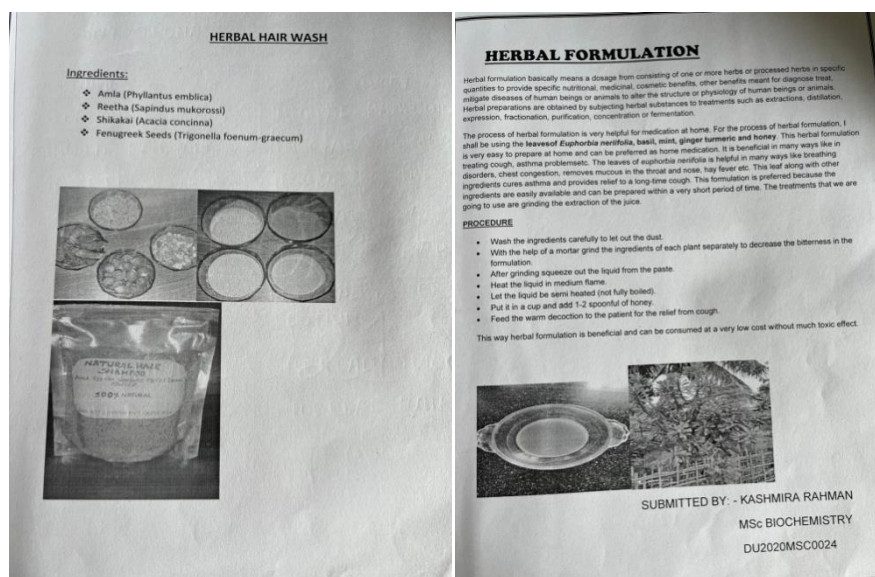
conservation, reducing landfill waste, and supporting a circular economy. Dr. Nazneen Hussain, the course in charge, led the event, ensuring an informative and engaging session. The event successfully raised awareness about sustainable practices in paper recycling.



MAY 2021

A COURSE ON HERBAL PRODUCTS UNDER SKILL DEVELOPMENT COURSE ON HERBAL PRODUCT TECHNOLOGY.

The Department of Bio-Sciences organized a hands-on course on 31st March 2021 under the guidance of Dr. Shiny Thomas and Dr. Jayanti Datta Roy. A total of eight students participated, creating herbal products such as herbal oil, soap, incense sticks, papad, herbal juice, and hair wash. The course emphasized sustainability and the responsible use of local bioresources, particularly herbs from Manipur. Students applied eco-friendly production techniques, gaining practical skills in herbal product development. This initiative reinforced the University's commitment to environmental consciousness and sustainable practices. The course successfully integrated theoretical knowledge with hands-on experience, promoting innovation in herbal product manufacturing.





JUNE 2021

WORLD ENVIRONMENT DAY

The United Nations Environment Programme (UNEP) declared this year's theme for World Environment Day as "Ecosystem Restoration". Assam Don Bosco University joins hands with the United Nations to restore our ecosystem through a "Remote Plantation Drive" organised by the Department of Zoology in collaboration with the EcoClub, Centre for Development Studies and Initiatives (CDSI), Unnat Bharat Abhiyan (UBA-ADB Unit), and the Swachhta Action Plan (SAP) Team. The event, held on 5 June 2021, drew the attention of several participants, both young and old, who pledged to become #GenerationRestoration through a plantation drive at their own homes. The participants captured their "plantation" moments and uploaded these photographs on social media to spread awareness about the urgent need to restore our ecosystems and make peace with nature. To make the event more meaningful, each seed, seedling and sapling was dedicated to the precious souls we have lost to Covid-19, to the ones who continue to fight against the disease, and also to the Health Care Workers and all the Frontline Workers who continue to fight against this deadly disease for us.



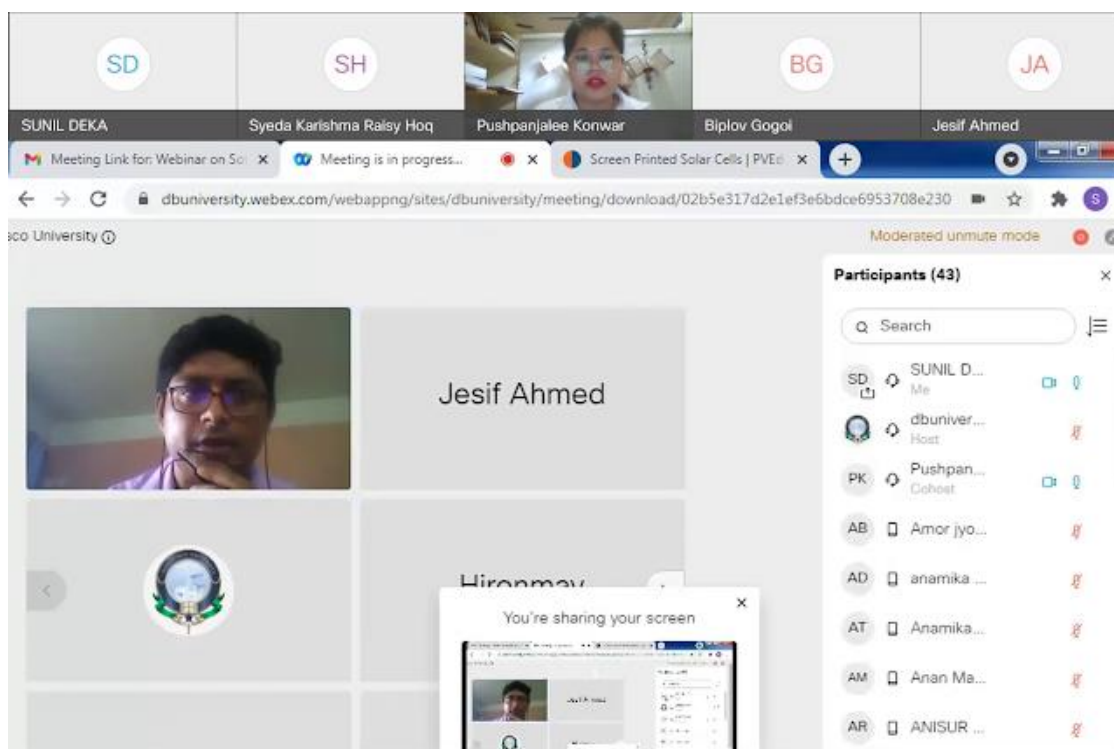


AUGUST 2021

EEE ORGANIZES WEBINAR ON SOLAR PHOTOVOLTAIC CELL: PROPERTIES AND DESIGN

A webinar on “Solar Photovoltaic Cell: Properties and Design” was organized by the Department of Electrical and Electronics Engineering, School of Technology, Assam Don Bosco University (ADBU) on 3 August 2021 for the students in class 12, Engineering Polytechnic, and BSc. The resource person for this free certificate course was Dr. Sunil Deka, Assistant Professor, Department of Electrical and Electronics Engineering.

The webinar's major goal was to look at the photovoltaic cell's future potential in the energy sector, as well as to discuss the properties of the two most significant components of this technology: sunlight, which is the primary source of energy, and solar cells, which convert that sunshine into electricity. Dr. Deka goes over the fundamentals of solar system operation, how to find appropriate applications, and how to construct a simple photovoltaic system. The webinar had a total of 35 participants from various colleges and institutes across India.

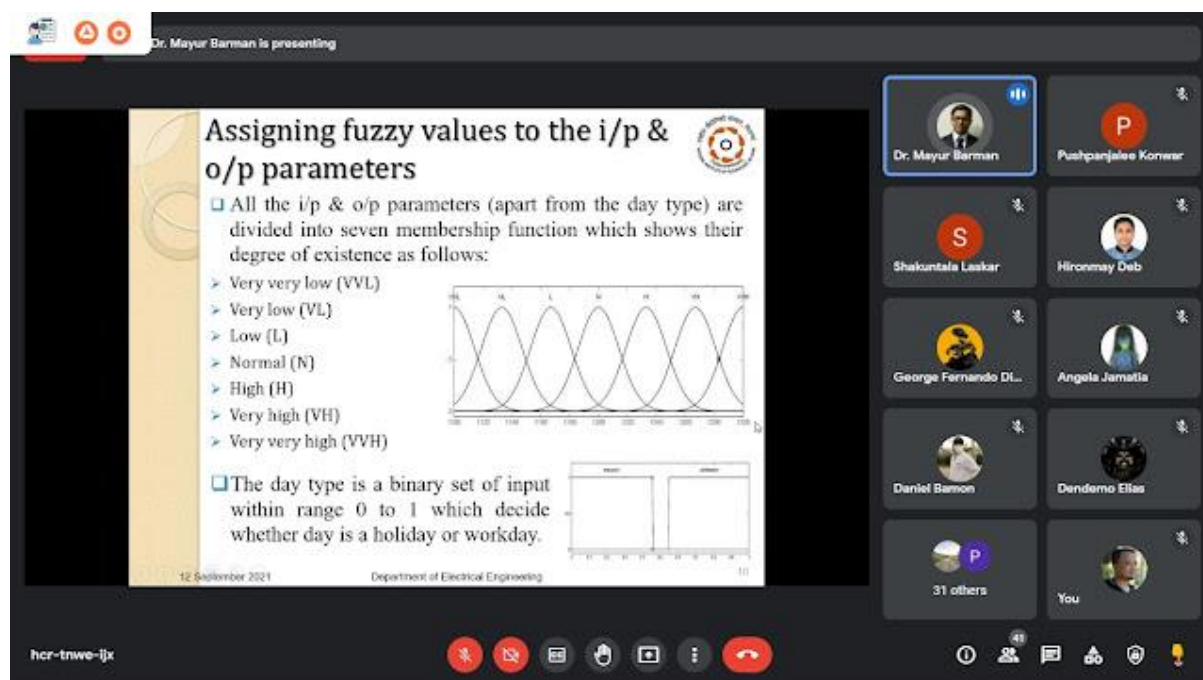




AUGUST 2021

EEE ORGANIZES WEBINAR ON APPLICATION OF ARTIFICIAL INTELLIGENCE FOR SOLVING POWER SYSTEM LOAD FORECASTING PROBLEMS.

A webinar on “Application of Artificial Intelligence for Solving Power System Load Forecasting Problems” was organized by the Department of Electrical and Electronics Engineering at Assam Don Bosco University on 12 September 2021. Dr. Mayur Barman, Assistant Professor at Aditya Engineering College and an alumnus of ADBU, was the resource person. He discussed Power System Load Forecasting (PSLF) techniques, emphasizing AI-based methods such as ANN, SVM, and fuzzy inference systems for predicting power demand. Dr. Barman highlighted the efficiency of SVM hybridized with evolutionary algorithms for PSLF. The webinar concluded with an interactive Q&A session. A total of 50 participants, including BTech and MTech students and faculty members, attended the session.





SEPTEMBER 2021

SUMMER FIELD SCHOOL ON MOUNTAIN ECOSYSTEMS AND RESOURCE MANAGEMENT

Assam Don Bosco University partnered with The Grassroots Institute of Canada to co-organize a ten-day Summer Field School on Mountain Ecosystems and Resource Management, starting on 19 September 2021. The virtual program involved 66 partner organizations from 22 countries and aimed to equip researchers, students, and practitioners with knowledge on sustainable mountain resource management. Experts discussed topics such as climate change, watershed management, biodiversity, and sustainable agriculture. Over nine days, the program featured 26 technical sessions, 108 lectures by 97 experts, and 93 presentations. More than 400 participants from 69 countries attended the sessions. Prof. Saibal Sengupta and Dr. Simanta Kalita from ADBU's Zoology Department served as resource persons for four key sessions. Prof. Sengupta coordinated the program and was a panellist in the Special Session. This initiative strengthened the University's commitment to environmental conservation and sustainability.



OCTOBER 2021

WORLD ANIMAL DAY

The Department of Zoology, in collaboration with the Eco-Club of Assam Don Bosco University, celebrated World Animal Day on 4th October 2021. The event began with the "Season of Creation" Eucharistic Mass, led by Rev. Fr. (Dr.) Stephen Mavely, Hon'ble Vice Chancellor. Dr. Simanta Kalita highlighted the significance of the day in raising awareness about animal protection and conservation. Alumni members presented research on topics like fireflies, fish feed, and bird distribution in Assam. A short play, 'Venom', was performed to educate students on snakebite first-aid. The afternoon session featured a Brain Teaser - Nature Quiz, conducted by Mr. Nilutpal Mahanta, with prizes for winners. This was followed by a screening of "David Attenborough: A Life on Our Planet", showcasing humanity's impact on

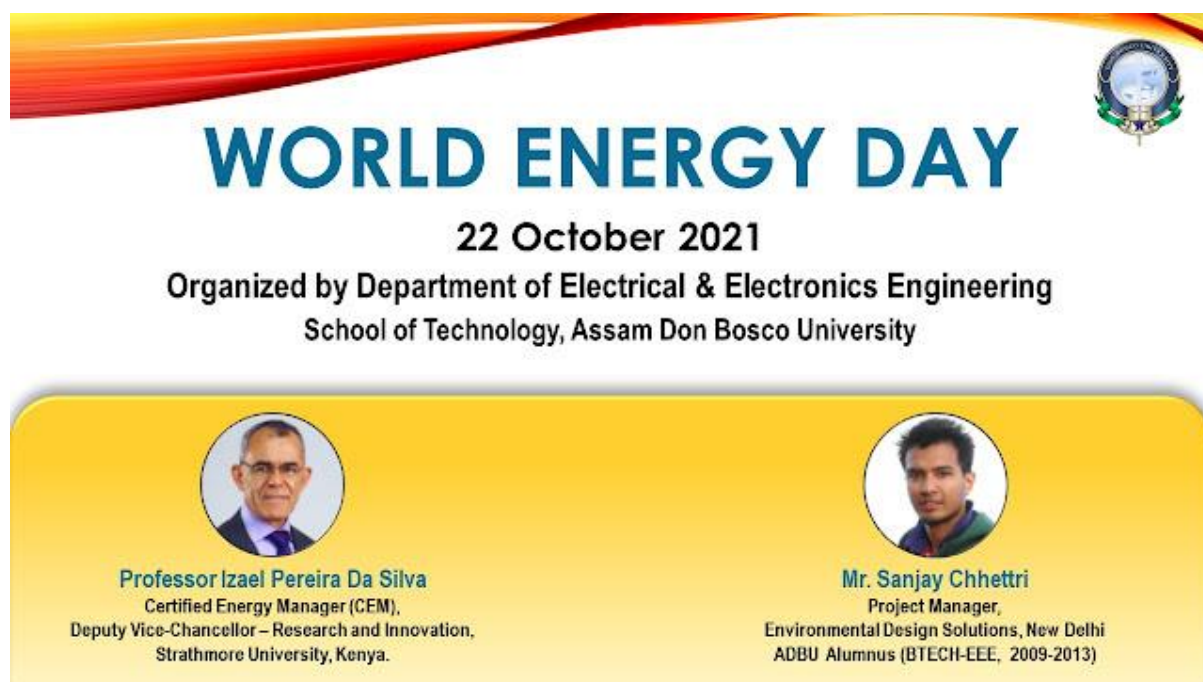
nature. The event concluded with a vote of thanks by Resmin Sultana. A total of 54 participants attended the event, making it a success.



OCTOBER 2021

WORLD ENERGY DAY CELEBRATED ON THE GLOBAL SDG-7 AGENDA

ADBU organized a day-long program to celebrate World Energy Day on 22 October 2021, under the Department of Electrical and Electronics Engineering. The resource persons were Mr. Sanjay Chhettri, Project Manager at Environmental Design Solutions, and Prof. Izael Pereira da Silva from Strathmore University, Kenya. They discussed the links between energy poverty, financial poverty, and the UN's role in sustainable energy. Mr. Chhettri presented on energy efficiency and renewable energy, highlighting the importance of saving energy and demand-side management. Prof. Izael discussed energy transition in Africa, sharing insights on technologies like the Water Evaporating Cooling System and grid-tied PV systems. The program included discussions on rooftop solar power and smart grids for sustainable energy.





DECEMBER 2021

EEE Department holds Industrial Talk on Substation Automation System (SAS)

The Department of Electrical and Electronics Engineering at Assam Don Bosco University organized an online industrial talk on "Substation Automation Systems" on December 1, 2021. Ms. Plabita Kalita, Assistant Manager at Assam Electricity Grid Co. Ltd. and an alumna, was the resource person. She explained the components and functions of Substation Automation Systems (SAS), including monitoring, protection, and control. Ms. Kalita also discussed the SAS architecture and its economic advantages in electrical systems. The session concluded with an interactive Q&A and a vote of thanks by Dr. Bikramjit Goswami.



DECEMBER 2021

LECTURE SERIES ON "BUTTERFLIES"

The Department of Zoology, Don Bosco University in collaboration with Eco Club organized the Tenth Lecture Series on "Butterflies" which was delivered by Mr. Peter Smetacek, the Butterfly Man of India on 11 December 2021.

The two-session event began at 2:00 PM with a welcome address by Gracy PI, M.Sc. student representative followed by the felicitation of Peter Smetacek by Dr. Prasanta Kumar Choudhary, Director, School of Life Sciences.

In his talk, Smetacek perspicuously enlightened the audience on the world of butterflies. He began by reminding us of the differences between butterflies and moths, explaining about their feeding behavior, different species of butterflies found at different elevations in India, mimicry

and metamorphosis, to name a few. He also mentioned that the total number of butterfly species recorded in India till date is 1,327. This was followed by an exciting and productive interactive session. The session concluded with a vote of thanks by Resmin Sultana, M.Sc. student representative.

The second session, “An evening with Peter Smetacek” began at 5:30 PM. In this session, Mr. Smetacek lucidly demonstrated the setting up of a light trap for moths. A total of 14 species of moths were recorded during the light trapping session.



FEBRUARY 2022

CAMPUS BIRD COUNT 5.0

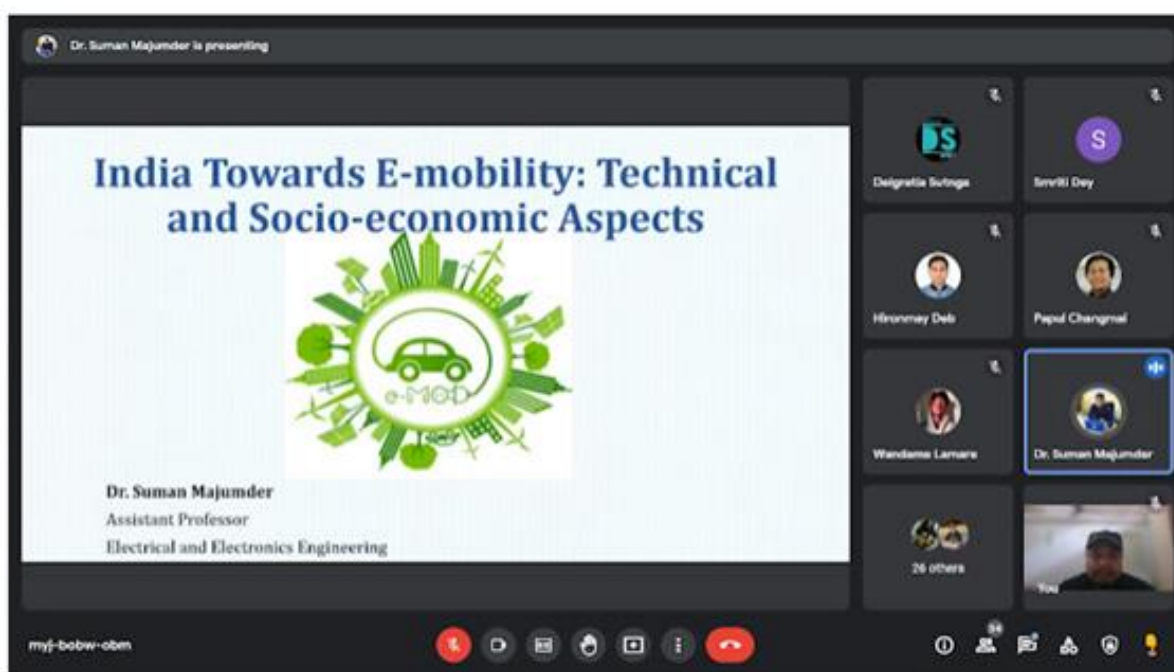
On 21st February 2022, the Department of Zoology, in collaboration with EcoClub, Assam Don Bosco University, organized Campus Bird Count 5.0 as part of the Great Backyard Bird Count. The event, held at Tapesia Campus, was led by Dr. Nilutpal Mahanta, an eminent birder and Assistant Professor. Dr. Sangeeta Das, Mr. Himadri Bhuyan, Mr. Dadul Kalita, and Miss Resmin Sultana also participated in the event. The team recorded a record high of 76 avian species, despite erratic weather conditions. Notable sightings included the Slender Billed Oriole, Oriental Pied-Hornbill, Verditer Flycatcher, and Lesser Yellownape, among others. The campus's bird diversity now contributes to 89 checklists on the eBird portal. Alongside birds, the team also spotted Rhesus Macaques, Capped Langurs, and Himalayan Striped Squirrels, with the cry of a wild cat heard nearby. Father (Dr.) Stephen Mavely, Vice Chancellor, encouraged the team and expressed his wish to record Hornbills on campus. The event highlighted the rich biodiversity of Tapesia Campus and reinforced the University's commitment to wildlife conservation and research.



MARCH 2022

ACADEMIC LECTURE ON “INDIA TOWARDS E-MOBILITY: TECHNICAL AND SOCIO-ECONOMIC ASPECTS.”

Department of Electrical and Electronics Engineering (EEE), School of Technology, Assam Don Bosco University, organized an academic lecture titled “India towards E-mobility: Technical and socio-economic aspects” on 2 March 2022 for the students and faculty members of the department. A total of 52 participants attended the session. The talk was delivered by Dr. Suman Majumder, Assistant Professor, NIT Mizoram. The main objective of the talk was aware the students about E-mobility in India. Dr. Mazumdar mentioned the use of renewable energy for charging the batteries of EVs instead of using power from coal-based generation units, which further reduces air pollution.





MARCH 2022

NATIONAL SCIENCE DAY

On National Science Day 2022, the School of Life Sciences in collaboration with NSS Unit, Don Bosco University, organized a day-long programme on 8 March 2022. The theme for this year's NSD is 'Integrated Approach in S&T for a Sustainable Future'. The programme began with a blessing by Fr. Narendra Lakra followed by a welcome address by Dr. Prasanta Kr Choudhary,



Director, School of life Sciences. The event was inaugurated by Rev. Fr. (Dr.) Stephen Mavely who, in his speech, encouraged the students to expand their horizons and explore the mysteries of life.

The events scheduled for the day included competitions in Extempore Speech, Quiz, Poster, and Photography. The competitions were based on topics related to the theme for the day and each of them had enthusiastic participants. The winners of the competitions include Shakil Imtiaz, Dapboklang Rynjah, and Resmin Sultana in Extempore Speech competition; Resmin Sultana and Rajkumar Dilipkumar Singh, Josh P. S. and Shakil Imtiaz, and Chayanika Baruah and Arpit Gameti in Brainteaser competition; Saikhom Angela Devi, Philberani N Sangma, and Manikho Simon and group in the Poster competition; and Rajlaxmi Kashyap, Sasa Apollo in Photomania 4.0 competition. There was a total of 200 participants.



MARCH 2022

WORLD SPARROW DAY

On 21st March 2022, the NSS Unit of Assam Don Bosco University, in collaboration with the Department of Zoology, organized a programme titled "Living in Harmony with Birds" to celebrate World Sparrow Day. The resource person, Dr. Nilutpal Mahanta, introduced the

audience to different bird species through an engaging video and interactive activities. He emphasized the five ecological roles of birds: scavenging, seed dispersal, pollination, insect control, and environmental indicators. Dr. Mahanta also discussed threats to avifauna, including industrialization, pollution, habitat destruction, and hunting. The event included a bird-watching session on campus, allowing students and NSS volunteers to observe local birds. A documentary on Manas National Park was screened to conclude the program. Students from Arun Shankar Bhaduri Balika Vidyalaya also participated in the event. The program ended with a vote of thanks by Miss Mebari Dorphang. A total of 96 participants attended, making the event a great success.



MARCH 2022

WORLD FROG DAY

On World Frog Day, the Department of Zoology in collaboration with EcoClub, Don Bosco University, organized a talk on 'Tadpoles' on 21 March 2022. The session was delivered by Dr. Dipankar Dutta, Head, Department of Zoology, University of Science and Technology, Meghalaya. Student representative, Resmin Sultana, extended a warm welcome to the attendees followed by the felicitation of Dr. Dipankar Dutta. Dr. Dutta began his lecture with a brief introduction on tadpoles. He went on to explain the poor quality of frog description which leads to a decrease in the accuracy of the numbers in frog species in India. Dr. Dutta described the detailed morphological structure of a tadpole, the types, diversity of larval feeding types, habitat types, and microhabitat data sheets for tadpoles, oral apparatus, anuran life-cycle, different stages of development, microhabitat of anuran egg-laying sites, amongst others. Dr. Dutta concluded by encouraging the students to fill in the research gaps that exist in the world of anuran biology. The programme concluded with a note of thanks by Dr. Bakhtiar Hussain, Head, Department of Zoology. There was a total of 105 participants.



APRIL 2022

AICTE SPONSORED STTP ON INSTALLATION OF OFF-GRID SOLAR PV PLANT

The department of Electrical and Electronics Engineering, School of Technology, Assam Don Bosco University (ADBU) has recently organized a week-long AICTE-sponsored Short-term training program (STTP) on the Installation of Off-grid Solar PV plant from 25 to 30 April 2022. The various topics covered in the STTP were Basics of solar Photovoltaic Systems, Theory on Fundamentals of Solar PV cells, Simulation of solar Photovoltaic system (Cell level), Simulation of solar Photovoltaic system (Module level), Off-grid solar PV plant, On-grid solar PV plant, Load curve generation, Theory related to Battery, Simulation related to battery, Solar Photovoltaic Plant Simulation, Theory related to Converters, Simulation related to converters/inverters, Industrial Demonstration of solar PV plant



installation.



APRIL 2022

COMMUNITY OUTREACH CAMPAIGN ON ELECTRICAL SAFETY

A week-long electrical safety awareness program has been recently organized by the department of Electrical and Electronics Engineering, School of Technology, Assam Don Bosco University (ADBU) from 9 to 16 May 2022. The main objective of the program was to highlight the necessity and importance of electrical safety and its regular practice in all aspects of life to prevent accidents and hazards resulting from a lack of awareness.



MAY 2022

EEE DEPARTMENT HOSTS INDUSTRY EXPERT LECTURE ON "ELECTRICAL SAFETY"

On May 11, 2022, the Department of Electrical and Electronics Engineering at Assam Don Bosco University organized an industry expert lecture on "Electrical Safety," led by Er. Diganta Sharma, Senior Manager at Schneider Electric Infrastructure Ltd. The session, attended by 47 B.Tech and M.Tech students, faculty, and staff, focused on electrical safety in high-voltage circuits. Er. Sharma shared real-life examples of electrical accidents, safety risks, and causes of arc flashes. He also discussed preventive measures and showcased video footage of common mistakes in high-voltage environments. The event concluded with a Q&A session addressing safety protocols across various voltage levels. This lecture emphasized ADBU's commitment to promoting awareness and safe practices in the electrical industry.



MAY 2022

AWARENESS PROGRAM ON ELECTRICAL SAFETY FOR SCHOOL STUDENTS AT ST. JOSEPH SCHOOL, AZARA

On May 12, 2022, the Department of Electrical and Electronics Engineering at Assam Don Bosco University conducted an awareness drive on electrical safety at St. Joseph School, Azara. The event, aimed at promoting safety, engaged 135 students from classes 10 to 12, with expert presentations from Dr. Hironmay Deb, Mr. Jesif Ahmed, Ms. Smriti Dey, Nomal Chandra Nath, and Hemanta Kalita. Dr. Deb highlighted the importance of electrical safety, offering tips on

handling appliances, power tools, and ensuring proper earthing. The interactive session encouraged students to ask questions and learn more. Mr. Jesif Ahmed emphasized the importance of such initiatives in fostering a culture of safety. The event concluded with a greater understanding of electrical safety among the students. Assam Don Bosco University continues to focus on creating awareness and promoting safe practices within the community.



MAY 2022

EEE DEPT. ORGANIZES AWARENESS RALLY ON ELECTRICAL SAFETY

On May 16, 2022, the Department of Electrical and Electronics Engineering at Assam Don Bosco University organized an Awareness Rally on Electrical Safety as part of Electrical Safety Week. The rally aimed to educate the local community on the importance of adhering to safety regulations and reducing risks related to electrical installations. Students and faculty members actively participated, marching through the streets with banners and placards promoting safe electrical practices. Dr. Bikramjit Goswami, Head of the Department, emphasized the

importance of raising awareness to prevent electrical hazards. The rally focused on encouraging responsible behaviour and the importance of safety regulations. The event highlighted the University's commitment to creating a safer society by educating the public on electrical safety. The rally was a powerful reminder to prioritize safety and protect individuals from electrical risks.



MAY 2022

UTILIZATION OF KITCHEN WASTE FOR DEVELOPMENT OF ORGANIC FERTILIZER

The Department of Biochemistry, under the guidance of Dr. Nazneen Hussain, successfully organized a program on efficient conversion of kitchen waste into organic fertilizer. The session focused on composting and microbial decomposition, highlighting how organic waste can be transformed into nutrient-rich fertilizer. This process enhances soil health, promotes microbial diversity, and reduces landfill waste, contributing to a sustainable circular bioeconomy. Participants learned about the environmental benefits of composting, including

minimizing pollution and supporting sustainable agriculture. The initiative reinforced the importance of waste management and encouraged eco-friendly practices among attendees.



PUBLICATIONS

JOURNALS



- Das, P., Gogoi, N., Sarkar, S., Patil, S. A., Hussain, N., Barman, S., ... & Bhattacharya, S. S. (2021). Nano-based soil conditioners eradicate micronutrient deficiency: soil physicochemical properties and plant molecular responses (Aug, 10.1039/d1en00551k, 2021). ENVIRONMENTAL SCIENCE-NANO, 8(10), 3042-3042.



- Changmai, P., Kumar, S., Nayak, S. K., & Metya, S. K. (2021). Maximum power estimation of total cross-tied connected PV cells in different shading conditions for high current application. IEEE Journal of Emerging and Selected Topics in Power Electronics, 10(4), 3883-3894.



- Changmai, P., Deka, S., Kumar, S., Babu, T. S., Aljafari, B., & Nastasi, B. (2022). A critical review on the estimation techniques of the solar PV cell's unknown parameters. *Energies*, 15(19), 7212.

PROJECTS

RESEARCH PROJECT:

Title: *An analytical algorithm to generate high current from solar PV module even in partial shading condition.*

Funding agency: All India Council for Technical Education (AICTE), New Delhi

Grant Amount: Rs 12,91,000/- (Ongoing)

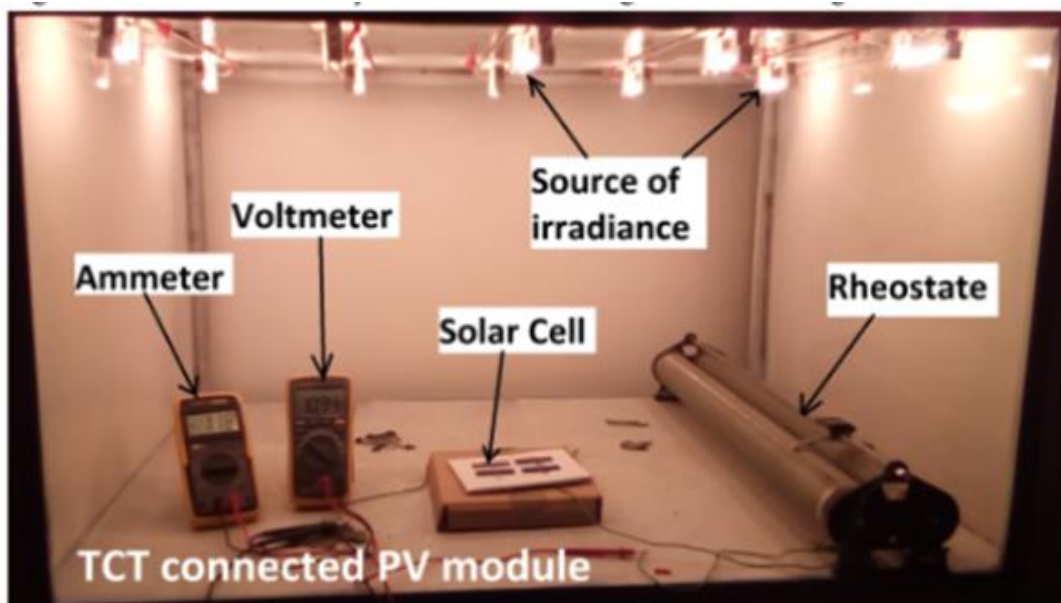
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Principal Investigator: Dr. Papul Changmai.

About the project:



In the existing Solar Photovoltaic (PV) modules, cells are connected in series with one another. Performance of series connected PV module degrades severely during partial shading condition (PSC). To solve this issue, bypass diode is proposed in the literature. But it is very difficult to connect bypass diode for every cell inside a PV module. Further, use of bypass diode causes multiple peak (Local and Global peak) problem. In line with this, Total Cross Tied connection is proposed in this paper to connect the cells in a module which gives better performance during PSC without multiple peak issues. Detail mathematical modeling is derived in this paper to calculate the output power at any PSC.



CONCLUSION & FUTURE GOALS

CONCLUSION

Assam Don Bosco University remains committed to sustainability by integrating SDGs into education, research, and community initiatives. This report highlights the University's progress in clean energy, biodiversity conservation, waste management, and skill development. While significant strides have been made, continuous innovation is essential to achieving long-term sustainability goals.

FUTURE GOALS

Moving forward, the University aims to:

- Expand renewable energy adoption to reduce carbon footprints.
- Enhance sustainability education through curriculum and research.
- Strengthen community outreach with rural development and awareness programs.
- Improve waste management through recycling and circular economy initiatives.
- Build global and industry partnerships for innovative sustainability solutions.
- Develop a greener campus with eco-friendly infrastructure and carbon neutrality efforts.
- Through these initiatives, the University reaffirms its dedication to a sustainable, innovative, and socially responsible future.