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A Newsletter for Don Bosco University family, alumni and friends

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BIRDS ON CAMPUS



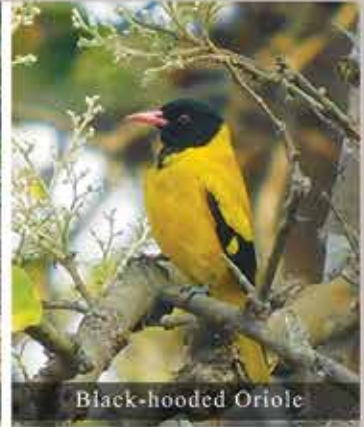
Oriental Pied Hornbill



Kalij Pheasant (Female)



Kalij Pheasant (Male)



Black-hooded Oriole



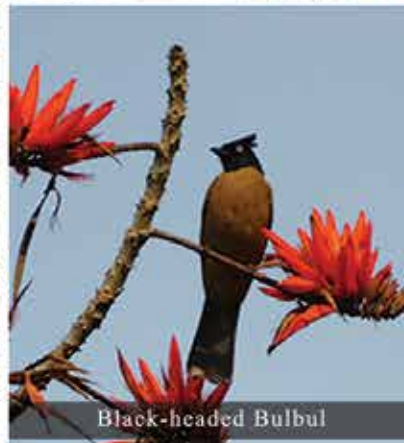
Golden-fronted Leafbird



Red-breasted Parakeet



Green-billed Malkoha



Black-headed Bulbul



Dollar Bird

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Message from the Vice Chancellor

In June last year, with the pandemic tightening its grip over the length and breadth of our country, in fact of pretty much the whole world, I proposed a theme for the academic year 2020-2021 for us at Don Bosco University: ‘Searching for meaning... in the bits and pieces of life’...

It was framed against this once in a lifetime scenario that was being played out in front of us as well as through us. We were, and still are, the players as much as the victims. This pandemic kept stripping away most of our illusions about what is ‘normal’. For a time, we were confused. This whole experience looked so surreal. It seemed just the other day when the world as we know it came crashing down all around us. We have been under lockdown, physically and mentally, since then!

Deep down, I felt that the ‘Search for meaning’ and a ‘right attitude’ were the most potent tools we had in hand to face that ever evolving scenario. The scramble for meaning, the search for some philosophical, psychological and spiritual underpinnings that could sustain us through it all started right in earnest. That search was made more complex by all sorts of confusion and facile solutions put forth by quacks of all types – political, religious, scientific, fundamentalists, doomsday prophets and the like...

When I proposed a continuing search for meaning in the bits and pieces of life as a new way of life, I must confess I did not realise then that the phrase ‘the bits and pieces of life’ would have such wide-ranging ramifications for virtually every sphere of life.

Since then, I have participated in umpteen number of webinars and some workshops, each trying to deal with this enormous task of finding meaning, purpose and a way forward. Making some interventions in some of those events, it struck me that, whenever I mentioned this theme in some context or another, it instantly attracted attention.

Many began to see it as a powerful image to represent the fragmented lives they were experiencing; they also began to touch base with a deeper realization - the search for meaning had to begin right within the very experience of a world and life that suddenly seemed so disjointed.

There is a growing agreement now that mankind is indeed right in the midst of a critical time of transition (Douane Elgin in his book ‘Choosing Earth: Humanity’s Great Transition to a Mature Planetary Civilization’).

He says that it might help to put things into perspective by looking at some prescient analyses that the great historian Arnold Toynbee made about times of transition in the history of human civilization. After analyzing the dynamics of development of all the major civilizations throughout history, Toynbee concluded that a civilization will begin to disintegrate when it loses its capacity to respond creatively to major challenges.

Toynbee also concluded that a failure of creativity often follows a period of



great achievement. When we consider today the industrialized nations and their two centuries of unparalleled material achievement, we might want to revisit this foresight of Toynbee as suggested by Douane Elgin.

In a telling and humorous commentary on the book, Dr Vandana Shiva, an Indian Scholar and an environmental activist, says, ‘At a time when billionaires are preparing to escape from the earth through SpaceX, assuming that extinction is inevitable... we as humans have the potential to sow the seeds of a planetary civilization as members of the Earth Community’...

The beginnings of this new planetary civilization were sown years back with an idea and an agenda - globalization. The globalized world does not, any more, have the choice to build and fortify secure islands of plenty and comfort for a select few, select nations, select classes within those nations), it is evident now that that choice is no more the privilege of a few.

What colonization, industrialization, slavery, climate change, religious fundamentalism, political ideologies and the ravages of war have not achieved, this pandemic has managed to highlight. In the words of one of the well-known poets of our State, Assam, Bhupen Hazarika, there is a growing realization that ‘We are in the same boat, brother’.

There is now increasingly larger sections of society, all over the world, beginning to ask deeper questions of themselves, of the world they helped create, and, more importantly, fundamental questions about what it is that is driving them.

In the midst of all that is going on, it is the plight of children and young adults that we, in the field of education, have to grapple with. They have to get on with their lives; they cannot afford to be frozen in time, waiting to be thawed back to life with a year or more lost in the mists of the pandemic.

Online education is, at best, a Band-Aid. The ‘search’ has to go on, perhaps in a mission-mode now, to find and adopt new paradigms to fashion the contours of this puzzling new world that is in the making...

**- Fr (Dr) Stephen Mavelly
Rector & Vice Chancellor**

Don Bosco University featured in World Rankings by TIMES

Don Bosco University, Assam has been ranked 301-400 in the recently released Impact Rankings by the TIMES Higher Education World University Rankings, a vital resource that provides the definitive list of the world's best universities. The University is also ranked #53 in the world under UN-SDG 15.

There are 49 Higher Educational Institutions in India that made it to the list, and Don Bosco University ranked the highest among other Institutions from North East India and holds 6th position in India with University of Calcutta. Other higher Institutions in North East India, featured in this ranking includes Mizoram University (a central university) being ranked 601-800, and NIT Silchar being ranked 801-1000.



Commenting on the TIMES Ranking, the University's founding Vice Chancellor, Fr. (Dr) Stephen Mavelly said, "Don Bosco University's highest score is under UN SDG 15 with a score of 72.9 out of 100 which is 'Life on Land' where we are ranked #53 in the world and it is a testament of the eco-friendly green campus that the University prides itself".

The Times Higher Education Impact Rankings are the only global performance tables that assess universities against the United Nations' Sustainable Development Goals (SDGs). The ranking uses carefully calibrated indicators to provide comprehensive and balanced comparison across four broad areas: research, stewardship, outreach and teaching.

The 2021 Impact Rankings is the third edition and the overall ranking includes 1,115 universities from 94 countries/regions.

Certificate of Appreciation from Health Department

The University is glad to share with you the Appreciation Certificate and Plaque we received from the Dept. of Health and Family Welfare, Government of Assam in recognition of the University's contribution during Covid19 pandemic. The Certificate reads "The valuable contribution made by your esteemed institution in the fight against Covid19 in the State of Assam will be remembered for posterity. The Department of Health and Family Welfare, Govt. of Assam takes utmost pride in honouring your distinguished institution as a mark of gratitude on behalf of the people of Assam"

Apart from providing Academic Block II at Tapesia Campus as a 350 bedded Covid19 Care Center, the University reached out in various ways as given below.

Distribution of Food Packages

With many families being forced to stay at home to prevent further spread of Covid19, a new challenge was afoot – shortage of food. The University got permission from local authorities to distribute food packages to those who needed the most. Families were identified by the local authorities, food packages were prepared by volunteers from the University and were distributed to 1500 families. Food packages were also distributed to stranded construction workers and tea garden workers. The villages covered are Hatimura, Upper Tapesia, Amgdin, Belguli, Bamunkhat, Khulkhuria, Uralbasti, Sonaru Batali, Laflonggaon, Damrapathar, Hirapara, Ghogua, Hohara and Somata under Sonapur Circle and Keotpara under Azara Circle.



Counselling Services

Due to the outbreak of COVID-19, the concern for mental health rises sharply due to the unprecedented stress, anxiety and uncertainty among people of all walks of life. As a response to this situation, the University's Department of Psychology and Counselling stepped up in providing mental health services through tele-counseling in collaboration with DHARA HELPLINE, receiving calls from the COVID19 front liners fraternity. The tele-counselors had also attended training and discussion sessions on tele-psychology and tele-counseling hosted by Global Pandemic Response Forum under eminent psychologists and psychiatrists prior to volunteering for this service. The Department of Psychology and Counseling has a faculty strength of 3 Clinical Psychologists, 3 Counseling Psychologists/ Psychotherapists and a Special Education Trainer (Ph.D) promoting mental wellness.

Online Classes and Examination

At the outset of the outbreak of Covid-19 and the beginning of lockdowns, the University immediately took action and started conducting online classes through various platforms including Zoom, Google Meet, Cisco Webex etc. With the admission season caught up in the middle of this pandemic, entrance tests platforms were designed quickly and entrance test for BTech, MTech, MCA and MSW were conducted successfully. Following the UGC’s Expert Committee’s recommendations and guidelines regarding examinations in the Universities, the University immediately took steps without a pause and successfully conducted online examinations for its final semester students using the University’s Online Examination Portal and mobile app designed for the examinations.

Excellence in Institution Social Responsibility Award 2021

Federation of Indian Chambers of Commerce and Industry (FICCI) awarded the University, the ‘Excellence in Institutional Social Responsibility Award’ at the 7th FICCI Higher Education Excellence Award ceremony held on 25th February 2021.

The University is committed to various community engagement programmes and has been actively conducting participative community development programmes. To read more on the University’s Community engagement programmes, kindly visit https://www.dbuniversity.ac.in/social_commitment.php

FICCI Higher Education Excellence Awards were instituted in 2014 to recognize and felicitate the achievements and excellent work done by the institutions and individuals, who have set benchmarks of excellence and are doing inspirational and exemplary work in the higher education space.



Fr (Dr) Stephen Mavelly Awarded Top Digital Enabler Award

Fr. (Dr) Stephen Mavelly, the Vice Chancellor has been awarded ‘New Code of Education Awards 2021’ under ‘Top Digital Enablers in Executive/Distance Education Category’ by Wheebox. This award was adjudicated by Prof. Anil Sahasrabudhe, Chairman, AICTE; Dr. (Mrs) Pankaj Mittal, Secretary General, Association of Indian Universities; and, Dr. Prem Singh, Member, Higher Education, NITI Aayog.

The Award recognizes the determination and resilience of the leadership at the University which resulted in a quick and smooth transition from on-campus to a fully online mode of teaching-learning at Assam Don Bosco University since March 2020. Responding to the need of the hour, the University designed online examination platform and have successfully conducted multiple proctored online examinations which benefited the students greatly as they graduated on time in spite of the pandemic.



Wheebox is a Global Online Talent Assessment Company empowering businesses, academic institutions, sector skills councils and government with deep talent insights while enabling better hiring and development decisions.

International Women's Day 2021

The International Women's Day 2021 was celebrated by a Poster Campaign in the University campus. These posters depicted issues, struggles and resilience of women around the world. Further, a special lecture was also organised by the NSS Cell in collaboration with the Department of Social Work. The theme of the international women's day 2021 was "CHOOSE TO CHALLENGE" and the theme of the interactive session was "Women in leadership: Achieving an equal future in a COVID-19 world" delivered by Smita Jacob and was attended by 53 participants.



Sharing her views on the status of women in today's world Smita Jacob raised a question, 'how really empowered women empower women?' challenging women to stand up for their own folks. She also shared the importance of having psycho-social support by drawing an example from her own life experience where she grew up with parents who supported her dreams and how they became the enablers of her successful venture while reiterating that "it takes a village to raise a child." During this talk, Smita Jacob also shared her views on gender based violence and encouraged the participants to question about how safe are our homes for women in a world where domestic violence plagued the society. The session ended with questions and answers sessions chaired by Asst. Prof. Victor Narzary from the Department of Social Work.

ICERME - 2021

Assam Don Bosco University (ADBU) of India, being appointed as the leader of the cluster formed by the International Association of Universities for SDG-7, organized an Online International Conference on Emerging Renewable and Modern Energy (ICERME-2021) on the theme "Access to Affordable, Reliable, and Modern energy services to all" under its Department of Electrical and Electronics Engineering (EEE) of ADBU, in collaboration with Sikkim Manipal Institute of Technology, Sikkim Manipal University, India during 12-13 February 2021.



A total of 18 research papers on sustainable development and clean energy were presented on this global agenda. ICERME-2021 brought together researchers, educators, students and policymakers from various nations including Bhutan, Algeria, Thailand, UK and India, across academia, government, industry and non-governmental organizations to discuss, share and promote current works and recent accomplishments in various aspects of green energy sector.

ICERME-21 also featured a panel discussion titled "Synergies and trade offs between sustainable development goals and targets, with special reference to SDG-7". The panel discussion of the conference was aimed at bringing some pertinent issues to the attention of the policymakers, budding researchers, innovators, industry professionals and the intelligentsia of the global community. With the active support and participation from various reputed institutions including IIT Bombay, IIT Guwahati, Royal University of Bhutan, SMIT Sikkim, NIT Silchar, Tezpur University, Assam Engineering College, RedLemon Technologies, etc., the International Conference concluded successfully.

Sustainable energy generates opportunity – it transforms lives, economies and the planet. There are tangible health benefits to having access to electricity, and demonstrable improvement in wellbeing. Energy access, therefore, constitutes a core component of the sustainable development agenda for energy. Sustainable Development Goal 7 (SDG-7), as set by the United Nations General Assembly, aims to correct the enormous imbalance by ensuring everyone has access to affordable, reliable, and modern energy services by the year 2030.

Seminar on National Education Policy

A Seminar cum Webinar on “Implementation of NEP-2020: Focus on Higher/Technical Education” was organized by the School of Technology on 24 March 2021 at the Conference Hall of Azara Campus.

Abiding to the All India Council for Technical Education (AICTE) mandate, the programme aimed at creating awareness about the New Education Policy (NEP) amongst its students and staff members as well as facilitating a clear insight of the various features and recommendations for the entire education system in India, especially in the area of higher education.



Welcoming the participants, Prof. Manoranjan Kalita, Director, School of Technology outlined the vision of India’s landmark document, NEP-2020, and highlighted that this visionary policy marks a drastic structural change in the Indian education system for the betterment of the coming generation. This was followed by an overview of the programme by Dr. Nabamita Das, Assistant Professor, Department of Humanities and Social Sciences, who was the Seminar Co-ordinator.

The resource person, Prof. K. C. Kapoor, HoD of the Department of Education, gave a detailed explanation about the different dimensions of the milestone document, NEP-2020 emphasising the need to create and sustain quality standards in the higher education institutions. Highlighting the revolutionary changes at all levels of education, Prof. Kapoor stressed on outcome-based education and teaching-learning process at all educational levels. He further discussed about the four verticals exclusively under Higher Education Commission of India (HECI) – the single regulatory authority for regulating the entire higher education system – for regulation (NHERC-National Higher Education Regulatory Council), accreditation (NAC-National Accreditation Council), funding (HEGC-Higher Education Grants Council) & academic standard setting (GEC-General Education Council). The seminar ended with vibrant discussions in the open forum and vote of thanks by Mr. P. Joseph, Head, Department of Humanities and Social Sciences.

The event was also covered on Google Meet platform along with live streaming on YouTube for the benefit of larger audience. Total 306 participants – including students, faculty and other staff members – attended the event either in online or offline mode (62 participants – Google Meet, 192 participants – YouTube & 52 participants on campus).

NSS Special Camp at Nartap and Hatimura

A special NSS Camp was conducted from 21st February to 27th February, 2021 by the NSS Unit of Assam Don Bosco University, attended by 23 NSS volunteers. The camp began on 21st evening with a camp fire and a speech from the Vice Chancellor, Fr. (Dr) Stephen Mavely and Shri Phungka Basumatary, Programme Officer, SRF Foundation.

The first day of the camp was spent on preparatory lectures and instructions on the importance of building a good rapport with the community, session on administering of first aids etc. During this camp, the volunteers conducted road safety awareness workshop, life skill and fitness training for local children, tree plantation drive, socio-economic survey of widows in these villages, village cleanliness drive, arts and crafts sessions, games and sports for children and a cultural programme. The camp was an eyeopener for the volunteers in various ways as they learned and shared the hardships of life in general for the villagers as even collecting firewood and water for cooking became a challenge. The camp concluded with a cultural programme on 28th February 2021.



Workshop on Post Covid 19 Swachhata Programming

Over a hundred NSS Volunteers and Programme Officers participated in a daylong Workshop on Post Covid 19 Swachhata Programming on 20 March 2020 at the Atrium of Academic Block – I, Tapesia Campus. The workshop aimed at building the capacities of NSS Volunteers and Programme Officers to be able to reframe Swachhata activities in view of the COVID-19 pandemic and its aftermath.

Attending the inaugural session as the Chief Guest, Shri Dipak Kumar, Regional Director, Guwahati NSS Regional Directorate, said, “Change should happen within ourselves first when we want to see change in our society. We should involve ourselves wholeheartedly in community service- swachhata programme, blood donation, children’s education, environmental protection, fitness, etc.” He also conveyed his appreciation of the NSS Volunteers for their selfless service and thanked them for their contributions during the Covid 19 lockdown period and its aftermath. He stressed the importance of swachhata in Indian society, saying, “Everyone should do their level best in taking our country closer towards achieving the Sustainable Development Goals.”

After felicitating the outstanding NSS Volunteers, Fr. (Dr.) Stephen Mavelly, Vice-Chancellor, ADBU said, “There will be a light kindled and joy lit in your hearts that remains with you all throughout when you engage in social service.” He also extended his gratefulness to Shri Dipak Kumar for his goodwill and continued support.



A team of Specialists from UNICEF Field Office Guwahati facilitated a technical session on Post Covid 19 Swachhata Programming: Concept, Design and Implementation during the workshop. Mr. Pradeep Hazwary, State Coordinator for WASH Programme presented the role of NSS volunteers in carrying forward the Water Sanitation and Hygiene agenda. Dr. Gitali Kakati, State SBCC Consultant shared some of the communication strategies that have been successful in ensuring behaviour change in Assam. Mr. Abhijit B Biswas, State RI SBCC Consultant invited the NSS volunteers to play more active roles in sensitizing the public on the importance and benefits of immunization from COVID 19. Towards the end of the session, several doubts and queries of the participants’ were attended to by the team.

Ms. Dayomika Rhoda Kharsyntiew, recipient of the prestigious Indira Gandhi NSS Award challenged the volunteers to excel in studies and community service at the same time for achieving fulfilling and meaningful career in the long run. She said, “There are opportunities all around us, we just need to let ourselves be a party to the good work that is around us.” The programme ended with a session on planning for Planning for Post-Covid 19 Swachhata Programming, conducted by Mr. Victor Narzary, Programme Coordinator and Ms. Hazel Wahlang, Programme Officer, ADBU NSS Cell.

The workshop witnessed participation from all the three campuses of the University. “This workshop enabled us to see new avenues and possibilities of community service in spite of the challenges posed by the Covid 19,” said Mr. Taba Aku, an NSS volunteer after the workshop.

MoU with ASG Hospitals Pvt. Ltd

The University on 17 March 2021 signed a Memorandum of Understanding (MoU) with ASG Hospitals Pvt. Ltd. The MoU was signed by Fr. Joseph Nellanatt, Pro Vice Chancellor, on behalf of Assam Don Bosco University and Mr. Kaushlendra Singh, Operations Manager, on behalf of ASG Hospitals Pvt. Ltd.

As per the agreement, ASG Hospital will conduct an on campus free eye checkup for the employees of the University and the Hospital will also provide to the employees and their family members - free OPD on the first visit and Rs 300 per visit from the second OPD onwards, 10% discount on surgery & IPD and investigation/minor procedures, and 15% discount on Frames / Lens / Optical.



Science Academies' Refresher Course on Frontiers of Theoretical Physics

The Department of Physics organized a 'Science Academies' Refresher Course on Frontiers of Theoretical Physics' on 1-16 February 2021 at Tapesia Campus. The refresher course was sponsored by Indian Academy of Sciences, Bengaluru; Indian National Science Academy, New Delhi; and, The National Academy of Sciences, India, Prayagraj.

The topics for the course included computational techniques, group theory & its application and quantum field theory & its applications. The followings are the list of topics with the corresponding speakers.



- Quantum Field Theory - Prof. Soumitra Sengupta, FNASc, Senior Professor and School Chair, SMCS, IACS, Kolkata)
- Quantum Monte Carlo - Dr. Arnab Sen, IACS Kolkata)
- Density Functional Theory - Prof. Ram Kumar Thapa, Mizoram University, Aizawl)
- Molecular Dynamics - Prof. Swapan Kumar Ghosh, FNA, FNASc, FASc, J. C. Bose Fellow, Distinguished Professor, CEBS, Mumbai)
- Neutrino Physics - Dr. Sanjib Kumar Agarwalla, IoP, Bhubaneswar)
- Group Theory - Prof. Debashis Ghoshal, SPS, JNU, New Delhi)
- QFT in 2D Systems - Prof. Sudhakar Panda, FNA, FNASc, FASc, J. C. Bose Fellow, Director, NISER)
- Cosmology - Prof. Atri Deshamukhya, Assam University, Silchar)

The course comprised 58 lectures of 90 minutes each. The fact that the interactions of the participants with the resource persons on a number of days lasted beyond the scheduled time table and continued even on dinner tables showed the success of the course. At the end of the lectures, each participant was presented with three books on theoretical physics signed by the Course Director (along with a laptop bag and other necessities) for their continued engagement with theoretical physics. 23 participants from various institutions attended this Refresher Course. Prof. Sudhakar Panda, Director of NISER, was the course director and Dr. Samrat Dey, Head of Physics Department, Assam Don Bosco University, was the course coordinator.

Apart from the lectures, a visit to Pobitora Wildlife Sanctuary was organised for the participants in an attempt to make the participants aware of the importance of taking up and disseminate environmental issues and challenges. It may also be mentioned here that during the whole refresher course efforts were made to make minimal use of plastics.

NESAC Balloons Launched at the University

The North Eastern Space Applications Centre (NESAC) on 11 January 2021 conducted a demonstration presentation of tethered balloon and meteorological balloon launching at Tapesia Campus, in collaboration with the Department of Physics.

Dr. Arup Borgohain, NESAC Scientist gave a presentation in the Auditorium prior to launching tethered balloon/ kytoon with atmospheric science payload & an attached GPS sonde and meteorological balloon in front of Bosco Café.

This experiment is a part of NESAC's campaign for the vertical profiling of aerosol and meteorological parameters over 4 selected places in North East region viz. Cherrapunji, Tapesia, Dhubri and Dibrugarh.

Tethered balloon filled with hydrogen gas with attached GPS sonde was launched 4 times per day at 6 hourly intervals for 5 days and meteorological balloon was also launched 8 times a day at 3 hourly intervals for 1 day.



TiMP 2021

The Department of Physics at Assam Don Bosco University organised its 3rd annual conference titled Springer International Conference on Trends in Modern Physics 2021 (TiMP 2021) on 26 - 27 February 2021, in collaboration with the Indian Association of Physics Teachers (IAPT).

The conference was inaugurated in the presence of Prof. Vijay A. Singh, President of IAPT. Prof. Singh who then set into motion the proceedings of the conference with his illuminating plenary talk titled Semiconductor Nanostructures: Simple Scaling Approach. This was followed by five separate technical sessions for oral presentations and a single session for poster presentations over the course of the next two days.

The first technical session had nuclear physics as its theme where Prof. Ashok K. Jain, Amity University, Noida, delivered an invited talk titled Extremely Low Energy Isomers and their applications. This was succeeded by contributory talks from delegates, followed by lunch.

The second technical session, with astrophysics & cosmology as the theme, began after lunch on the first day with two invited talks. Prof. Atri Deshamukhya from Department of Physics, Assam University, gave a talk on Tropical Cyclones: A look through double eye walls. This was followed by a presentation by Dr. Jan-Uwe Ness from European Space Agency, Spain, who enthralled the audience with his talk titled Observing Nuclear Burning on the Surface of White Dwarf Stars.



The morning session of the second day consisted of two parallel technical sessions. The session on the theme of material & nanophysics was chaired by Prof. Vijay Singh. Because of the large number of presentations on this theme, this session had to be split into two sub-sessions. The first sub-session began with an invited talk by Dr. Ramakrishna Podila from Clemson University, USA, who regaled the audience with personal anecdotes and insights in his talk titled Stories from the Nano-bio lab at Clemson. This was followed by another invited talk by Dr. Anthony Childress from Northeastern University, USA, who made an informative presentation titled Directed Assembly of Nanomaterials: Methods and Applications. The delegates then made presentations on their contributory talks.

The second sub-session continued after a tea-break where delegates continued with their presentations. The parallel technical session on plasma physics was chaired by Dr. Ngangom Aomoa from the Department of Physics, ADBU. Dr. Srikumar Ghorui from Bhabha Atomic Research Centre (BARC) delivered an invited talk titled Addressing Some of the Key Challenges in Thermal Plasma Technology, followed by presentations by delegates.

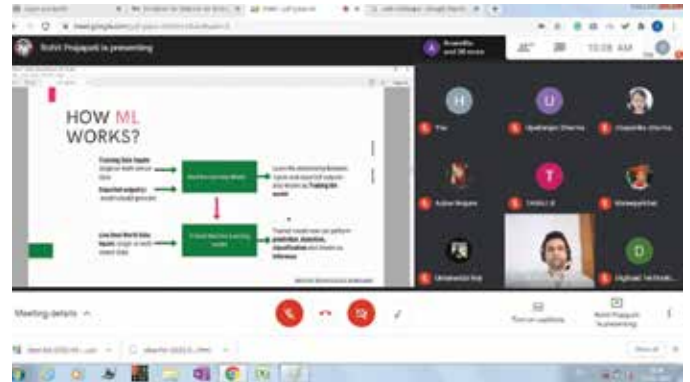
Another session, parallel to the second sub-session on material & nanophysics, began after the tea-break. This session was dedicated to the theme of particle physics. This session was chaired by Dr. Samrat Dey. Dr. Saurya Das, from the University of Lethbridge, Canada, delivered his invited talk titled Our Universe: the known, unknown and some speculations. He was followed by Prof. Buddhadeb Bhattacharjee, from the Department of Physics, Gauhati University, who made a presentation on the topic Primordial Matter. This was followed by presentation by delegates.

The afternoon session on the second day was dedicated to poster presentations by the delegates. This time the organizers of TiMP offered the participants the opportunity to also present their posters online, apart from presenting in-person. Mr. Parag Bhattacharya from the Department of Physics was the convener of the conference, along with Dr. Ngangom Aomoa and Dr. Debajyoti Dutta as the co-conveners. Fifty-five participants from twenty-seven different institutions presented their research on diverse topics from astrophysics & cosmology, material & nanophysics, nuclear physics, particle physics and plasma physics.

Webinar on Embedded AI for IoT

The Department of Electronics and Communication Engineering organized a webinar on “Embedded Artificial Intelligence for Internet of Things” in collaboration with DigiToad Technologies, Bengaluru and Cartesiam, France on 13th March 2021.

The webinar aimed to educate the participants about the latest technologies to facilitate designing cost effective AI and Machine Learning powered applications on ARM Cortex microcontrollers targeted toward the Internet of Things. The ideas gained from this webinar can be applied to numerous cases and applications.



The resource person, Mr. Rohit Prajapati, CTO, DigiToad Technologies dove deep into the topic and raised interest among the participants in embedded artificial intelligence. Mr. Prajapati has been conducting Embedded AI based Program for engineering education in India in collaboration with Cartesiam and STMicroelectronics.

There were 77 participants from premier institutes of India like IIT Guwahati, IIT Hyderabad, IIT Madras, IIIT Guwahati Anna University, Assam Engineering College, Jorhat Engineering College, Assam University, Gauhati University, Dibrugarh University, Centre of Plasma Physics Institute for Plasma Research, NIELIT, NERIST, Tezpur University, Assam Don Bosco University etc. with one participant from Partido State University, Philippines.

Commenting on the webinar during feedback session, Dr. Nabadweep Chamuah, Assistant Professor, Digboi College said, “It was an amazing experience. Got the opportunity to explore new area of study/research. Thank you very much to the organizers”. Another participant Rangaraj Bhattacharjee, Faculty, State Cancer Institute, Gauhati Medical College also commented, saying, “Excellent deliberation of the subject, excellent management of the webinar. It was classy and I am extremely delighted that I attended this webinar.”

National Mathematics Day

The Department of Mathematics organized a Symposium on the occasion of National Mathematics Day which marked the 133th birth anniversary of legendary Indian mathematician Srinivas Ramanujan on 22 December, (Tuesday), 2020.

The programme began with a short inaugural speech by Dr. Hemen Bharali, Head, Dept. of Mathematics. Two eminent Mathematicians, Professor Ravindranathan Thangadurai, Professor and Nodal Officer, Harish Chandra



Prof. B. Ramakrishnan



Prof. R. Thangadurai

Research Institute, Allahabad, and Professor Ramakrishnan Balakrishnan, Professor and Head, Dept of Statistics and Applied Mathematics, Central University of Tamil Nadu, delivered lectures on the topic “3 by 3 magic squares and AP in rational points of Elliptic Curves” and “On a Conjecture of Ramanujan” respectively. Over 100 participants including faculty members, students and researchers attended the Symposium, coordinated by Prof. Tarini Kumar Dutta.

The main objective of National Mathematics Day is to raise awareness among people about the importance of mathematics for the development of humanity, science and technology . On this event, several initiatives are taken to motivate and inculcate a positive attitude towards learning mathematics among the younger generation of the country . On this day, training is also provided to the mathematics teachers and students through various academic programmes, and highlights the development production and dissemination of teaching- learning materials (TLM) for Mathematics and research in related areas.

Pi Day and International Day of Mathematics

The Department of Mathematics celebrated Pi Day on 15th March 2021 at Tapesia Campus, as the International Pi Day (14th March) this year falls on Sunday. This year’s theme is ‘Mathematics for a better world’.

The programme started with a short welcome note from the Dr. Hemen Bharali, Head of the Department, followed by a short presentation by Dr. Sanjoy Kalita on the origin of Pi Day and International Day of Mathematics.

After the presentation, a special lecture on 'Fractal Geometry and its Applications' was delivered by Prof. Tarini K. Dutta, who explained how mathematics is present in nature around us even in the irregular shapes and gives them a beautiful appearance.



As a part of the celebration, speech competition and reciting digits of pi were also organized where a number of students took part and were able to recite up to many digits of Pi with the top three students successfully reciting digits of π respectively up to 161, 131 and 110 digits correctly.

Pi Day was first organized by physicist Larry Shaw of the San Francisco Exploratorium on 14th March in the year 1988 which coincides with the birthday of a great scientist Albert Einstein and matches with the first three digits of Pi (π) i.e. 3.14. In 2009, March 14 or 3/14 officially came to be recognised by the U.S. House of Representatives to be celebrated as Pi Day.

While March 14 is already known and celebrated as Pi Day in many countries around the world, on November 26th 2019, the 40th General Conference of UNESCO approved the Proclamation of International Mathematical Union (IMU) to celebrate March 14 as the International Day of Mathematics (IDM). Celebration of International Day of Mathematics expands Pi Day to include the whole spectrum of mathematics to celebrate the beauty and importance of mathematics and its essential role in everyone's life.

National Science Day

National Science Day 2021 celebration was conducted at both the School of Fundamental and Applied Sciences and the School of Life Sciences. This year's theme is "Future of STI: Impacts of STI on Education, Skills and Work".

School of Fundamental and Applied Sciences

The Department of Mathematics in collaboration with Mathlets Club organized a virtual celebration of National Science Day on 28 February 2021. Professor Tarini Kumar Dutta of Department of Mathematics inaugurated the event and the One Day Webinar proceeding, followed by an introductory speech on the importance of Raman effect and this year's theme of National Science Day. The speech was followed by the Keynote address delivered by the Guest Speaker Dr. Mukti Ranjan Jana, Scientific Officer G of Neutral Beam Injection Group, Institute of Plasma Research, Gujarat, India. In his Keynote speech, Dr. Jana gave a deep insight on the topic "Ion extraction and acceleration from Plasma and its applications". Dr. Jana also gave a brief overview about the Accelerators in India, India's Program for Energy Generation, Ion source and Beam formation starting from the basic and important concepts. The Keynote Address and the Webinar, was attended by a total of 85 participants consisting of students, research scholars and faculty members from various organizations.



Dr. Mukti Ranjan Jana

The Webinar was followed by Open Essay competition and Open Quiz Competition based on the theme "Future of STI: Impacts of STI on Education, Skills and Work". There were 40 participants in the competition and the top three winners were awarded a certificate each.

School of Life Sciences

The Department of Zoology, Assam Don Bosco University, in collaboration with EcoClub celebrated the National Science Day on 1st March, 2021. The day-long programme commenced with a welcome address by Ms. Dhritimoni Goswami, followed by the inaugural speech by Professor JN Vishwakarma, Director, School of Life Sciences. Professor Vishwakarma fascinated the au-



dience with his profound knowledge and advocated on the need for taking science to the masses. An Annual Calendar 2021, designed by Miss Sangeeta Das, was released by Dr. Monmoyuri Baruah, Director, School of Fundamental and Applied Sciences.

The events conducted in the first session included Lockdown Treasury, where students' creative forms of art during the lockdown were showcased; and Campus Bird Count 4.0: A Presentation on Avian Diversity in Assam Don Bosco University by Miss Sangeeta Das. The campus bird count is an annual event at Assam Don Bosco University which unveils some amazing species of birds spotted on our campus. A pre-event video presentation competition, Biology for the Young 'un,

was also organised with the aim of using one's skills in explaining everyday scientific phenomena to young minds, particularly school kids!

In the second session, a Documentary 'Three Identical Strangers' was featured. The celebration concluded with a note of appreciation by Miss Emma Magdalene Nonglang, Student Coordinator of the Event.

In India, 28 February is celebrated as National Science Day. This day marks the discovery of Raman effect phenomenon of the scattering of light by the Indian Physicist Sir C.V. Raman. The National Science Day Celebration is a forum to bring together science students, researchers, scientists and professionals to discuss innovative ideas and diverse topics on next generation of research and technologies in the field of scientific excellence.

Language Courses under IVAC

The IVAC Project is aiming to build linkages in various fields between the Assam Don Bosco University and the Frankfurt University of Applied Sciences, Frankfurt, Germany. To contribute to this main goal, the Project is offering language classes for seven months (February 2021 – August 2021) as language is proven to foster cultural sensitivity and cultural awareness. Additionally, it enhances cross-cultural competence and strengthens the collaboration between the universities through mutual understanding. Hindi, Mandarin and German are offered under this programme.

The objectives of the classes are to enable learners to use the language effectively for practical communication and to provide basic communication skills necessary for study, work, and leisure. Besides that, students are offered an insight to cultural characteristics of the communities where the language is spoken. Overall, the classes are aiming to foster curiosity and an interest and enjoyment in language learning.



Kuei-mi Li



Anastasia Milke



Rati Sharma

The language courses take place once a week over one semester and are designed for beginners. They are open for students, faculty members and interested staff. The classes are conducted through different online platforms, such as Zoom, Line and WebEx.

The language courses were inaugurated on 2nd February 2021 with introduction of the three language teachers with their lesson plans. The programme will conclude in the month of August 2021.

Language	Time	Platform	Teacher
Hindi	Mondays IST 7:00 pm – 8:30 pm CET 2:30 pm – 4:00 pm	Zoom	Mrs. Rati Sharma, Delhi Public School, Khanapara, India
Mandarin	Fridays IST 6:30 pm – 8:30 pm CET 2:00 pm – 4:00 pm	Line	Ms. Kueimi Li, Mandarin Teacher, Assam Don Bosco University, India
German	Saturdays, IST 7:30 pm – 9:00 pm CET 3:00 pm – 4:30 pm	WebEx	Ms. Anastasia Milke, Matthias-Claudius-School, Hamm, Germany

Short-term Certificate Course in Media Aesthetics and Social Work

As part of the IVAC project, a Short-term certificate course in Media Aesthetics and Social Work was offered. The course was initiated by Asst. Prof. Kaushik Bhuyan (ADBU) and by Prof. Bernhard Kayser (FRA-UAS). Through the course, thirty-two students from two different parts of the world were able to connect and exchange knowledge, thoughts, opinions, education, and experiences regarding social and political issues of their home countries in creative ways.



Bernhard Kayser



Kaushik Bhuyan

To get started, several Zoom meetings were held, so participating students got to know each other and chose topics and areas they wished to work on. During the project workshop week from 23-27 March, the working groups collaborated to create work in the areas of creative writing / slam poetry, music, photography, and video. In their projects, students dealt with relevant issues regarding global warming, women's rights, difficulties related to work or the Corona pandemic. Through this collaboration, they were able to reflect on difficulties within their own as well as other countries and compare them. The outcome of these fruitful collaborations was thereafter presented on 27th March to an audience and showcased on their website. The University applauds the IVAC team and congratulates the participants and organizers of this course on their achievements.

Academic Physics Prize 2021

The 3rd Physics Department Foundation Day was celebrated on 1st April 2021 at Tapesia Campus. On this occasion, the "Academic Physics Prize 2021" was awarded to Prof. K. D. Krori, in recognition of his exemplary contribution to physics teaching and physics research. The selection committee consisted of three Physics Department Heads of different universities and other senior physicists.



The programme, held in the Auditorium began with a welcome song by MSc Physics final semester students, followed by short speeches from the Director of the School of Fundamental and Applied Sciences, Dr. Monmoyuri Baruah, HoD of the Department, Dr. Nganngom Aomoa, and Dr. Samrat Dey, former Head of the Department. The speeches were followed by the awarding ceremony of 'Academic Physics Prize 2021' to Prof. K.D. Krori. The award carries a prize money of Rs. 10,000. In his acceptance speech, Prof. Krori emphasised the importance of mathematics in physics citing examples of various physicists starting from Sir Newton to his own teacher, Prof. S. N. Bose. The programme ended with cake cutting and refreshments.

Entrepreneurship Development through Aquarium and Ornamental Fish

The Department of Zoology, Assam Don Bosco University in collaboration with Fishfed, Department of Fisheries, Government of Assam organised the 10th Lecture on "Entrepreneurship Development through Aquarium and Ornamental Fishery" as part of the Lecture Series 'Science Behind Nature' on 23 January 2021. The lecture was delivered by Dr. Sanjay Sarma, State Fishery Coordinator, World Bank Funded APART Project, Fishfed, Government of Assam. Dr. Sarma shared his views on Entrepreneurship Development through Aquarium and Ornamental Fishery. The participants interacted with Dr. Sarma through the Questions and Answer session wherein Dr. Sarma answered their questions and also shared a few tips with them on the management of this type of Fishery. The participants were motivated to take up Fishery as an alternative source of income as well as for aesthetics purposes.

International Online Lecture Series under IVAC

With the aim to provide graduate students of Social Work with an exposure to the perspectives that prominently inform social work practice in different parts of the world; to help them to locate and critically evaluate the relevance of perspectives in different fields of practice within the domain of social work, seven more lectures were jointly conducted by Assam Don Bosco University along with Frankfurt University of Applied Sciences in the month of January to March 2021.



Rajendra Baikady



Tsen Yung Wang



Lukose PJ



Yi-shan Chen



Carola Berneiser



Prateeti Barman

Date and Participants	Topic	Resource Persons	Moderators
6th Jan 2021 108 participants	Social Work Education and Practice in South Asia	Dr. Rajendra Baikady, The Paul Baerwald School of Social Work and Social Welfare, Hebrew University of Jerusalem, Israel	Victor Narzary, Assam Don Bosco University
3rd Feb 2021 93 participants	Decolonising Elderly Care of Indigenous people in Taiwan	Dr. Tsen Yung Wang National Chengchi University	Dr Mary Martinho Nympha, Assam Don Bosco University
5th Feb 2021 53 participants	Social Development through Result-Based Project Management	Dr. Lukose P. Jacob, Assam Don Bosco University, India	Shanthalembi Lisham, Assam Don Bosco University
17th Feb 2021 74 participants	The Reflection of a Social Work teacher while supervising the social work practices	Prof. Yi-Shan Chen Chang Jung Christian University, Taiwan	Bibharani Swargiary, Assam Don Bosco University
3rd March 2021 62 participants	Child Rights and Protection in Germany	Prof. Dr Carola Berneiser, Frankfurt University of Applied Sciences, Germany	Dr Riju Sharma, Assam Don Bosco University
10th March 2021 48 participants	Role of Social Work in Child Protection and Child Welfare in Germany	Prof. Dr Kerima Kostka, Frankfurt University of Applied Sciences, Germany	Laura Grub, Germany
17th March 2021 63 participants	Reproductive Rights of Women: Issues and Concerns	Dr Prateeti Barman Assam Down Town University, India	Dr Jacob Islary, Assam Don Bosco University, India
7th April 2021	Dalit and Tribal/Adivasi Social Work Perspective	Victor Narzary, Assam Don Bosco University, Guwahati, India	Verena Ruhstert, Project Coordinator
28th April 2021	Social Work Practice in Community Engagement Projects of Assam Don Bosco University	Bibharani Swargiary, Assam Don Bosco University, Guwahati, India	Fr Abraham Kanattu, Assam Don Bosco University
5th May 2021	Feminist Social Work Practice	Shanthalembi Lisham, Assam Don Bosco University, India	Dr Jacob Islary, Assam Don Bosco University
19th May 2021	Medical and Psychiatric Social Work in India	Dr Mary Martinho Nympha, Assam Don Bosco University, India	Menokhono, Assam Don Bosco University
2nd June 2021	Harnessing the potentials of Social and Behaviour Change Communication post COVID 19 Pandemic	Prof. Andrew Carlson, School of Communication, Writing and the Arts, Metropolitan State University, Saint Paul, Minnesota, USA	Jaikishan S G, Assam Don Bosco University

9th June 2021	European Migration Law and Social Work Practice	Prof. Dr Timo Tohidipur, Frankfurt University of Applied Sciences, Germany	Prof. Dr. Ursula Fasselt, Frankfurt University of Applied Sciences, Germany
30th June 2021	International Social Work	Prof. Dr. Chaitali Das, Frankfurt University of Applied Sciences	Maya Robinson, Frankfurt University of Applied Sciences
21st July 2021	Human Rights-based approach and social work practice	Prof. Ursula Fasselt, Frankfurt University of Applied Sciences, Germany	Dr. Riju Sharma, Assam Don Bosco University
4th August 2021	Use of Social Media for Social/Policy action during periods of Disasters (Including Covid-19 in India)	Mausumi Chetia, PhD Researcher, International Institute of Social Studies, part of Erasmus University Rotterdam [ISS-EUR]	Dr Lukose PJ, Assam Don Bosco University



Victor Narzary Shathalembi Lisham Bibharani Swargiary Timo Tohidipur Andrew Carlson Chaitali Das

As the International online lecture series extends to November 2021, there are four more lectures to come. This venture is expected to enhance learner’s understanding to prepare for application of emerging trends and perspectives in social work practices. Further, it focuses in contributing towards the participants’ ability to identify and critically evaluate the relevance of approaches in social work fields of practice and integrate and develop a model of intervention as per the approach found suitable in a given context. This attempt will have roped in and created a critical mass of social work educators and students for engaging in further collaborative ventures and networking in the future.

International Yoga Day Celebration 2021

On account of 7th International Yoga Day, Don Bosco College of Engineering and Technology (DBCET) celebrated this event through virtual platform (Google Meet) from 9:00 am to 10:00 am on 21st June, 2021. The event was hosted from conference hall, School of Technology campus at Azara. Prior to the event, awareness among the faculties and students community of DBCET were facilitated through sharing of banner and a promotional video. On this day, the programme began with an Introduction to Yoga by Mrs. Pushpanjalee Konwar, Asst. Prof., Dept. of Electronics and Communications, which was followed by Yoga Asanas & Yoga Nidra, performed and demonstrated by Mr. Mriganka Gogoi, Asst. Prof., Dept. of Electronics and Communication.

A total of 98 participants took part in this event, making it a successful and meaningful observance of International Yoga Day in spite of Pandemic.



World Environment Day 2021



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" organized by the Department of Zoology in collaboration with the EcoClub, Centre for Development Studies and Initiatives (CDSI), Unnat Bharat Abhiyan (UBA-ADBU Unit), and the Swachhta Action Plan (SAP) Team.

The event 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 "planting 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.

International Virtual Exchange - Dept of English

The students of Department of English participated in a Virtual Exchange Programme in collaboration with Hong Kong Baptist University and Georgia State University where participants discussed about various issues including Black Lives Matter movement, LGBTQ+ rights, Effects of Covid19 Pandemic etc. Before the beginning of the Conference on 30th January, students who were interested in participating in the programme uploaded a short self-introduction video to Flipgrid and uploaded the second round of pre-recorded videos in response to queries about their first videos.

The participants had their first live interaction on a Zoom conference platform on 30th January mainly for dissemination of information regarding the programme and this was coordinated by Dr. Emma H Zhang, Lecturer, Hong Kong Baptist University, and included all the participants from each participating university. Live interactions between participants took place on 19th of February 2021, in the form of another Zoom conference, in which students were put into different breakout rooms of 7-8 members each, and were encouraged to interact and discuss certain topics that were allotted to each room. Some of these breakout rooms also had teachers from participating universities, who were there to guide the students. Additionally, the interaction in the larger Zoom conference was aided by the use of Pear Deck, which is a web-based application that allowed the participants to give feedback by answering typing out comments, drawing on a virtual board and filling out questionnaires.

By the 22nd of March 2021, participants from all the universities were asked to enrol themselves in one of twelve different discussion groups on Flipgrid and were required to post once a week for four weeks in their respective groups to be eligible for the certificate of completion of the Virtual Exchange Programme. The topics of each discussion group ranged from discussing the current Covid-19 pandemic and its effect on the world to the issues of racial inequality and LGBTQ+ issues and the problems of censorship in Arts and Literature. Such a varied range of topics and discussions allowed the students to not only widen their worldview but also acquaint themselves with the raging issues pertinent to other parts of the world. Each participant therefore posted a minimum of two videos of 3-5 minutes talking about their chosen topics, and two videos or text-based comments in reply to the posts of other participants. They were encouraged via mail to try and relate their own experience with that of other participants and to ask questions. By the 27th of March 2021, the last round of comments was posted.

On 26th of March 2021, another Zoom conference took place, following the format of the previous one, utilizing breakout rooms and Pear Deck to encourage interaction; during which the respective teachers associated with the programme from all the participant universities also had an interactive session. After the completion of all the criteria set for the students, they were encouraged to keep posting on the Flipgrid platform if they wished to do so since it was still open. A total of 18 students from the Department of English, Assam Don Bosco University, participated and completed the required tasks that were set for them, and received a Certificate of Participation.

RESEARCH PULSE

This period was full of activities for the research scholars, although most of these were held online. Because of the pandemic, we had no option but to go ahead in spite of all odds posed by COVID19. But during this period, we realized the importance of technology and made full use thereof for the benefit of our research scholars.

RESEARCH PROPOSAL PRESENTATION LEADING TO REGISTRATION

Altogether thirty-seven of our research scholars, presented in the following table, have successfully completed their research proposal presentation and have applied for registration

Scholar / Department	Supervisor	Title
Chayanika Dutta Education	Dr. Ranjita Chanda	Issues and concerns on policy implementation in higher educational institutions of Kamrup (Metroplitan) district
Saju Thomas Education	Dr. KC Kapoor	Impact of Scouts and Guides programmes on human development in Don Bosco Schools of Assam: A study
Maria Soosai S Education	Dr. KC Kapoor	Attitude of stakeholders towards inclusion of students with visual impairment into mainstream schools of Assam
Shajan Noronha D English	Dr. Nabamita Das	A semiotic analysis of urban youth culture in select Indian English novels
Gauri Nandan Saikia Social Work	Dr. Riju Sharma	Psycho-social aspects that influence the reproductive health choice: A study of pregnant women living with HIV in Assam
Nilufa Karim Social Work	Dr. Lukose P. Jacob	An interventional study on families affected by alcohol dependence syndrome to assess family functions and its effects in promoting life coping skills
Miranda Sonowal Social Work	Dr. Jacob Islary	Identity dynamics in Assam: A sociological analysis of the Sonowal Kacharis
Lakhima Hazarika North East India Studies	Dr. Francis Fernandez	A historical study of the Deshi community of undivided Dhubri district of Assam with special reference to their socio-cultural life
Lungailin Gangmei North East India Studies	Dr. Joseph Puthenpurakal & Dr. Senstian Karottupuram	British Rongmei relations and its socio-cultural impacts (1828-1947)
Longbir Augustine Kathar Management	Dr. Biju Mani Das	Social media marketing strategies: How travel and tourism company use social media as a marketing tool
Bidangshri Basumatary Zoology	Dr. Yumnam Lokeshwor Singh	Ichthyofaunal diversity of bodoland territorial region, Assam
Mebari Vanessa R. Dorphang Zoology	Dr. Saibal Sengupta	A taxonomic review of Amolops Cope, 1865 in India
Jakrimchi A. Sangma Zoology	Dr. Bhavna Prishnee Baroowa	A study of the role of antimicrobial peptides in the humoral innate immunity of Eri Silkworm, phisosamiaricini
Nizara Singha Zoology	Dr. Y. Lokeshwor Singh	Systematics of ornamental fishes in lower Assam
Dimpi Bora Biotechnology	Dr. Probin Phanjom	Effect of ZnO nanoprticles on the expression of BADH2Gene responsible for aroma in Joha Rice (Oryza Sativa Indica) an aromatic rice variety of Assam
Rupesh Mandal Computer Science & Engineering	Dr. Bobby Sharma	Design and analysis of flash flood prediction model using internet of things and machine learning
Francis Iawphniaw Physics	Dr. Samrat Dey & Dr. Shantu Saikia	Study and understanding of noise assisted particle dynamics in periodic potential systems
Anindita Tamuli Commerce	Dr. Chayanika Sarma	Total quality management practices of medium enterprises: A comparative study of the service and manufacturing enterprises of Kamrup District, Assam
Aju Kurian Education	Dr. Zacharias Tirkey	A Study of Effect of Cognitive Research Trust Programme on Creativity and Achievement in Science of Class VIII Students of Don Bosco Schools of West Bengal and Sikkim
Pundalillia Waikhom Management	Dr. Biju Moni Das	Human Resource Management Practices and its Effectiveness in Small and Medium Enterprises in Assam with Reference to Kamrup District
A. Binita Singha Commerce	Dr. Biju Moni Das	Sustainability Practices of Private and Public Limited Companies of Assam
Arindom Hazarika Management	Dr. Rashimit Barua	New Venture Creation through Business Incubators: An Assessment of Technology Business Incubators and Agri Business Incubators Functioning in Assam

Devanjal Bora Botany	Dr. Raju Kumar Pegu	Study on the Diversity and Distribution of Monotypic Angiosperm Taxa in Assam (India) with Special Reference to Taxonomic Implications and Conservation need
Victor Saikhom Civil Engineering	Dr. Manoranjan Kalita	A Study on Utility of Unmanned Aerial Vehicle (UAV) Remote Sensing for Wild-life Habitat Assessment of Sangai in Keibul Lamjao National Park

PRE-SUBMISSION SEMINAR

Eleven of the research scholars, presented in the following table, have completed their Pre-Submission seminar and submitted theses for examination

Scholar / Department	Supervisor	Title
Suraj Marathe Mechanical Engineering	Dr. Carmo Quadros	Application of 6 sigma methodology to increase the overall performance of hydraulic pressure die casting machinery and the process
Monimugdha Bhuyan North East India Studies	Dr. Birinchi Kumar Medhi	Rice culture among the Assamese Hindus in a rural context of Assam: An anthropological insight
Davis KV Education	Dr. Umarani Pappuswami	Information and Communication technology in teaching – learning in Meghalaya
Raffealla Nongrum Biotechnology	Dr. RN Bhuyan	A study on genetic variation using molecular markers, morphometric characters, ultrastructure of Gonads and chromosome among two different species belonging to the genus: Neolissochilus of Meghalaya, India
Taithul Rita Chinnehoi Zou Social Work	Dr. PJ Lukose	Resilience of adolescents in the conflict state of Manipur: Spirituality and digital technology usage
Rosie Kalita Social Work	Dr. Riju Sharma	A critical study on counter-insurgency operations and its ramifications in re-integrating the insurgents back to mainstream
Indrajit Chatterjee Management	Dr. Amitava Sarkar	Entrepreneurial characteristics as determinant of business performance in micro and small entrepreneur in Darjiling district, North Bengal, West Bengal
Anunav Barua Management	Dr. Sangeeta Tripathi	Moderating effect of ethics in corporate governance and corporate social responsibility
Rajni Karki Chhetri Mass Comm.	Dr. George Plattotham	Reconstructing Khasi ethnic identity on social media: A netnographic study on an online group
Janet Mendoca Education	Dr. Paul Pudussery	Embedding quality culture in higher education: A paradigm of assessment and accreditation
Arcadius Puwein Biotechnology	Dr. Shiny C. Thomas	An investigation on propagation, anti-cancer potential, and chemical profile of Paris Polyphylla smith

PHD VIVA VOCE EXAMINATION LEADING TO AWARD OF PHD DEGREE

Twelve of our research scholars, presented in the following table, from various departments had their thesis defense leading to the completion of their doctoral studies from Assam Don Bosco University. Formal award of the PhD degree will take place at the upcoming Convocation in September 2021.

Scholar / Department	Supervisor	Title
Mitra Das North East India Studies	Dr. Tiluttoma Baruah	Social and environmental dimensions of tribal health - A study among the Monpas of Arunachal Pradesh
Kuntal Sarma North East India Studies	Dr. Tiluttoma Baruah	Revivalism, ethnicity and identity among the Tai Khamyangs of Assam with special reference to Charaideo district
Rose Mary Koch Education	Dr. Ranjan Chakravarty	Impact of the ethnic conflict on the High School students with special reference to Kokrajhar district in Bodoland territorial area district (BTAD), Assam
E. Manoj North East India Studies	Dr. G.K Bera	Identity, developmental perspective and social change among the Pnar of Meghalaya
A. Nirmala Education	Dr. A. Radhakrishnan Nair	Community service learning and its Impact on Life Skills development among the school children
Marie Kalita North East India Studies	Dr. BK Das	A study on private higher educational institutions affiliated to Gauhati University up to 2017 of Kamrup (M) district
Agnes Humtsoe Education	Prof. KC Kapoor	Awareness and attitude towards human rights education in relation to cognitive and non-cognitive variables among the pupil teachers of B.Ed. programme in Nagaland: A study
Bornali Bora Patowary Electrical & Electronics Engineering	Prof. Shakuntala Laskar	Development of CSA doped PANi-Ta2O5 based Chemi-resistors and OFETs for NO2 gas detection at room temperature

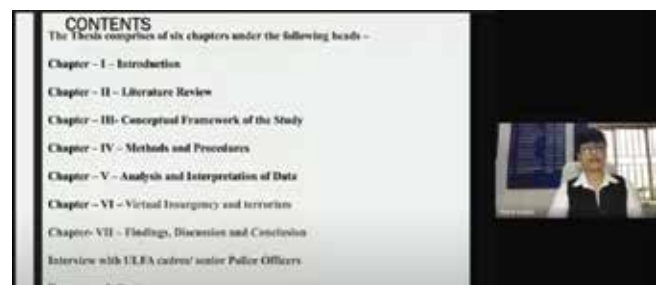
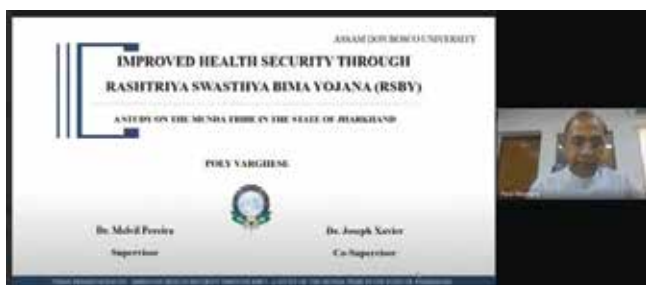
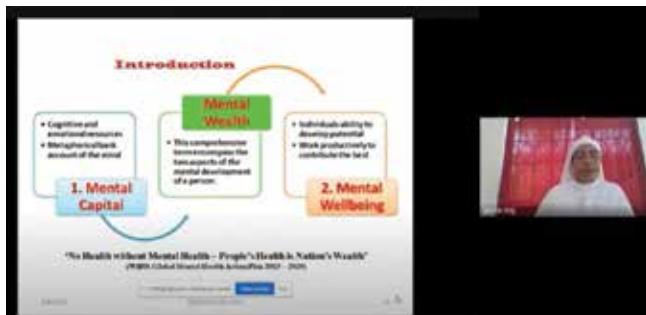
Chandra Kanta Bhattacharjee Biotechnology	Dr.PK Borah	Impact of micro-RNA on inflammasome activation to understand the pathogenesis of diabetic nephropathy among type 2 diabetic mellitus individuals
Vidhya DS ECE	Dr.Manjnath R.	Efficient realization and verification of mixed signal logic with differentially fed neural networks
Bijit Debbarma Management	Dr. KS Chakraborty	Marketing of handloom products produced through clusters: A case study of Tripura
Monimugdha Bhuyan NEIS	Dr.Birinchi K. Medhi	Rice culture among the Assamese Hindus in a rural context of Assam: An anthropological insight

PHD ADMISSIONS 2021

The process of admission to the PhD programme of the University involves a number of steps. Firstly, the Heads of various departments conducting doctoral studies were contacted to provide in-take capacity. These numbers were compiled and an advertisement was put out on our website and in newspapers (with a last date) inviting eligible and interested candidates to apply. After the last date for applying, a shortlisting of candidates was done. The shortlisted candidates were invited to attend a written test/oral interview. Followed by this a merit list of selected candidates was prepared with waitlist and was put out on the University website for the selected candidates to complete their admission process. We have admitted 66 research scholars in all.

PHD COURSE WORK 2021

Our plans to conduct the PhD course work on campus did not work even this year due to the 2nd wave of COVID19. We waited for some time and finally decided to conduct the course work online. We started the course work online on 21st June 2021 with a brief Inaugural Function. The function was attended by Fr. Dr. Stephen Mavely (VC), Fr. Joseph Nellanatt (Pro VC), Fr. Dr. Johny Jose (Registrar), and Directors of Schools, Heads of Departments, faculty members and the research scholars. The meeting lasted for 45 minutes and with this began the Course Work which is continuing...





ADMISSIONS OPEN

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