



ASSAM DON BOSCO UNIVERSITY

ANNUAL REPORT

2017- 2018

Contents

Vice Chancellor's Message	3
About Assam Don Bosco University	8
Introduction	
Vision and Mission	
Schools	
Highlights of 2017-2018: A Diary of Events	11
School of Technology	19
School of Humanities and Social Sciences	31
School of Commerce and Management	35
School of Fundamental and Applied Sciences	41
School of Life Sciences	44
Updates on placement activities	47
Research Updates	50
University at a Glance: Statistics	52
Financial Statements 2017-2018	59

Vice Chancellor's Message

Vice Chancellor's Foreword to the Annual Report 2017-18

By way of a foreword to this year's report, I want to touch upon the ambiance and mindset that we have tried to fashion for everyone – faculty and students - here at the university.

A primary component of this ambiance is the continuous attention given to creating a 'holding environment' on campus. A 'holding environment' is a psychological space that is both safe and uncomfortable... uncomfortable because in that environment you promote disruptive creativity too... But predominantly, a 'holding environment' is what we all need to grow and blossom... a supportive environment.

A second, but equally important component, is the promotion of a deeper way of being a person of substance – the whole concept of 'getting into the pain of things'!

Mystics and religious leaders have been telling us for ages, that the one inescapable route to becoming a man or a woman of substance and depth, is to 'learn to get into the pain of things'!

In recent years, psychologists and psychotherapists too have developed similar theories when faced with the reality of having to counsel generations brought up on a heady mix of comfortable living, promiscuity, and easy access to psychedelic and mood-enhancing drugs, generations with just one predominant theme in life – 'enjoy!'...

It has been a constant endeavour of the campus ministry and extension programmes in the University to immerse everyone on campus to 'get into the pain of things' to gain depth, resilience and empathy as enduring characteristics of every Don Bosco Graduate.

This annual report highlights some of the meaningful ways in which the University has been engaged in creating this ambiance for its faculty, students and the wider community surrounding our campus.

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And now, without going into too many details, let me give an update on some of the significant developments during the year.

In the field of academics... the University launched three significant programmes on campus: a Bachelors in Arts with majors in Mass Communication, English, Education and Psychology, Masters in Chemistry and Masters in Zoology.

As in previous years, this summer too saw an incredibly active Azara campus of the University with an array of summer programmes (workshops, internships, conferences) organized by the various departments - Summer schools, summer workshops, crash courses – these have come to stay as a regular feature of life at the University.

We have been regularly publishing the five journals that the University started in the earlier years – they have all found a place of pride in the list of journals of quality recommended by the University Grants Commission.

Journal title	Editors
Journal of Northeast Indian Cultures	Dr Dominic Meyieho Assistant Professor, Department of Education
ADB U Journal of Engineering	Prof. Shakuntala Laskar Professor, Department of Electrical and electronics
The Journal of Development Practice	Mr. Jacob Islary Assistant Professor, Department of Social Work
Journal of Applied and Fundamental Sciences	Dr. Samrat Dey Assistant Professor, Department of Physics
Journal of Management in Practice	Mr. Chandan Dutta Assistant Professor, Department of Management

In the area of research... the buzz word today is pervasiveness. The research culture has struck deep roots within the academic community of the University. An all-out effort to create and maintain a research climate within the university community has paid rich dividends. 61.57% (141 out of 229) of the faculty have completed their doctorate, another 48 (20.96%) are actively pursuing their doctoral research in a variety of Indian and foreign universities. That is an enviable record for even-well established universities.

It is also significant that the number of Papers published in journals of repute comes to a healthy 1.04 per member of the faculty. Most of these arise out of their areas of doctoral work or research projects. It is also gratifying to note that our undergraduate students have got into the act with several of their papers getting published.

The tempo has picked up substantially also in the holding of seminars, conferences and workshops, One International Conference on Advances in Nanotechnology(ICAN) in collaboration with Sustainable Nanotechnology Organization (SNO), USA.

Seminars/ Workshops/Symposia - 30 in a row this year alone. Our Faculty-Student ratio is a very healthy 1:8.9, much better than most of the old and established universities and well above the requirements of the statutory bodies.

It is also a matter of pride that we have today 214 research scholars, pursuing their doctoral studies across 19 disciplines – 18 others have been awarded the Doctorate:

Doctoral Students

S. No	Department	M	F	Total	Degree awarded
1.	Electronics and Communication Engineering	6	7	13	
2.	Electrical and Electronics Engineering	2	4	6	3
3.	Computer Science and Engineering and Information Technology	12	9	21	1
4.	Mechanical Engineering	1	0	1	
5.	Civil Engineering	3	1	4	
6.	Management	22	6	28	2
7.	Social Work	21	12	33	3
8.	Psychology and Counselling	5	2	7	
9.	Mass Communication	4	4	8	
10.	Education	4	4	8	
11.	Physics	7	2	9	
12.	Life Sciences	8	11	19	1
13.	Commerce	-	-	0	
14.	Chemical Sciences	1	5	6	2
15.	Mathematics	1	2	3	
16.	Language Studies	1	5	6	1
17.	North East India Studies	19	12	31	4
18.	Comparative Religion	7	3	10	1
19.	Philosophy	1	0	1	
TOTAL		125	89	214	18

The tempo has picked up substantially also in the holding of seminars, conferences and workshops, One International Conference on Advances in Nanotechnology(ICAN) in collaboration with Sustainable Nanotechnology Organization (SNO), USA. Seminars/ Workshops/Symposia - 30 in a row this year alone, and the year is not yet over.

Our Faculty-Student ratio is a very healthy 1:8.9, much better than most of the old and established universities and well above the requirements of the statutory bodies.

In the area of infrastructure development... steady progress has been made in equipping the Tapesia Campus with the following: a second Academic Block with an area of 1,10,000 sq ft to accommodate about 2400 students and faculty, a third Hostel (for women) with a capacity for 235 students, a second multi-cuisine food court to seat 350 students at a time, and a University Service Centre that accommodates a crèche, a medical centre, a cooperative general store and a security office.

Work has started also to produce 160 kilowatts of power each at Azara and Tapesia through rooftop solar installations. This should substantially reduce our dependence on the public grid.

When speaking of infrastructure development, we cannot but remember the generosity of the many friends and collaborators that made this dream take shape – friends who walked with us, shared our burdens, propped us up when our spirits sank, and rejoiced with us at every tiny step that took us forward... We remember them gratefully today. May God bless them!

In the area of quality assurance... we hold the unique distinction of being the youngest university in the country to have been accredited by NAAC within 5 years of establishment. We have just now applied for a re-assessment by the National Assessment and Accreditation Council (NAAC) – we have every hope that we will attain Grade A.

We have initiated the process for getting an ISO Certification for our Engineering Workshops, and preparations are well under way for accreditation by the National Board (NBA) for our engineering courses.

Our Internal Quality Assurance Cell (IQAC) has been an active catalyst in setting precise objectives to be met, monitoring and documenting subsequent performance, and always keeping us on our toes and shifting the goal posts all the time. The Cell was recently re-constituted with about 20 members representing all the stakeholders in the University.

In pursuance of goals set by the IQAC, we completed an internal audit of our admission and examination processes, set up Task Forces to recommend the adoption of online courses for campus programmes and to study the research climate in the university. As a follow up on these recommendations, we have allocated funds for research initiatives by members of the faculty.

Currently we are engaged in finalizing the adoption of a mission mode to ensure innovation, and in setting in place a variety of initiatives to ensure the protection of bio-diversity in our campuses and to promote the concept of green campus.

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A University set on very strong foundations

Let me conclude by touching upon a few of the core strengths that we have given close attention to in these formative years of Don Bosco University to ensure that the University is set on solid foundations:

1. We have in place a detailed concept paper that pretty much captured the vision of the university and laid out the trajectory of its growth plan... Several universities have taken our concept paper as a working document to inspire their own visioning process.
2. We have a governance structure that ensures checks and balances and speedy implementation of all decisions... The autonomy that the Government of Assam has blessed us with has been a key factor in ensuring a speedy decision making process with a scrupulous adherence to norms.
3. We have a well-oiled financial administration mechanism in place to ensure accountability and transparency with steady growth... The struggle remains, however, to find adequate resources to ensure growth with sustainability.
4. We have in place a draft 'sustainability plan' for the university that takes seriously issues of financial stability and viability of the university for years to come. It is also a handy tool when scouting for funds for the university.
5. We have put in place a Human Resource Management system as a tool to ensure 'a shared vision, a cohesive team and an engaging work culture'... The word is out there today that Don Bosco University is a good place to study, to work and to grow. There are several institutions that have evinced keen interest in following our model.
6. We meticulously plan and implement personal and professional development programmes for our faculty and students... Personal and professional growth are a given in Don Bosco University.

Taken together, these strengths have contributed in ample measure towards the creation of a culture in the University that is uniquely our own, that energises us in all that we do, and knits us together into one educative community. Look around our campus, look into our classrooms and research labs, look into the camaraderie among our staff, students and faculty that cuts across all distinctions here at the campus... THAT is what we call Don Bosco's system of education!

Fr Stephen Mavelly SDB

Rector & Vice Chancellor

About Assam Don Bosco University

Introduction

The Assam Don Bosco University is the first University in the English speaking world of the worldwide family of the renowned Don Bosco Society present across 132 countries in service of the educational and developmental needs of 15 million young people. The University was set up by the Assam Don Bosco University Act 2009 under the State Private Universities Act of the Government of Assam and was duly notified vide Government Notification No. LGL 149/2008/30 dated 12th February 2009. The University is authorized to award and grant degrees under the University Grants Commission Act of 1956, India, accredited by National Assessment and Accreditation Council, India and is approved by the Distance Education Council and the All India Council for Technical Education. The University is also a member of the Commonwealth Association of Universities (ACU) based at London since 18th October 2011, and of the International Association of Universities (IAU) based at Paris since 29th November 2011, and of the Association of Don Bosco Institutions of Higher Education (IUS) based at Rome since 2008.

The University has been set up as a response to the felt educational needs of the people of North-East India and offers relevant study programmes with a focus on research and social commitment through the Schools of Technology, Humanities and Social Sciences, Life Sciences, Fundamental and Applied Sciences, Commerce and Management. The University's Centre for Online and Distance Education (CODE), called DBU Global, offers a variety of study programmes in Management and Information Technology. The University has also entered into a number of collaborative agreements with universities from around the world for student and staff exchange programmes and for joint research studies.

Don Bosco University has evolved for itself a clear-cut vision that defines its rationale, objectives and approach to excel in teaching, formation of individuals by offering support, making students ready for quality placements at the three vibrant campuses at Tapesia, Azara and Kharguli. A sustained alumni association is established to carry forward lifelong learning of the students by a partnership of the students with their alma mater.

Vision and Mission of the University

Our vision, mission and values statement, our graduate attributes, and our achievements encapsulate what we stand for as a University and what we offer to students, staff and

the wider community. We are committed to providing an education that cultivates a spirit of creativity and initiative and equips tomorrow's leaders and innovators; engaging community; maintaining diversity and inclusion among our students and staff; and providing equitable access to education.

Vision

"To mould intellectually competent, morally upright, socially committed and spiritually inspired persons at the service of India and the world of today and tomorrow, by imparting holistic and personalized education."

Mission

*This university will be a centre for culture, knowledge, research, intellectual ferment; for critical thinking and analysis of whatever shapes and impacts human life; that influences thinking, planning and policy making on vital aspects of social life: religion, culture, society, politics, governance, education, health care; and engages in dialogues across the board - **THAT is our role.***

*This university will strive to make professional and higher education accessible to the weaker sections of society - **THAT is our solemn commitment.***

*This university will spare no effort to ensure that our graduates become dependable and true Human leaders with a strong sense of commitment to the poor, the disadvantaged and the needy - **THAT is the goal embedded in our vision.***

*This university will strive for excellence in every process and undertaking; and, among many other things, it will specialize in research with social relevance - **THAT is our approach.***

Schools

The Assam Don Bosco University started with four academic programmes of Engineering and Technology in 2008 and currently the University offers 8 undergraduate programmes, 16 postgraduate programmes and doctoral studies in 18 areas belonging to, the School of Technology, the School of Humanities and Social Sciences and the School of Commerce and Management. The School of Life Sciences (2015-2016), School of Fundamental and Applied Sciences (2016-2017) were started subsequently to encompass the larger scope and vision of the University towards its commitment of building and operating a healthy and self-renewing, vibrant campus community with clear cut goals and priorities in the areas of education, clean energy, nature and eco systems, cutting-edge research and teaching in the latest technologies to tackle real issues of the region.

There are currently 12 graduate programmes, 15 post-graduate programmes and 18 doctoral programmes offered by the following schools of the university:

- ❖ School of Technology
- ❖ School of Humanities and Social Sciences
- ❖ School of Commerce and Management
- ❖ School of Life Sciences
- ❖ School of Fundamental and Applied Sciences



MoU signed with IIT-Guwahati, 20 April 2017

The University on 20th April, 2017 signed a Memorandum of Understanding with Indian Institute of Technology, Guwahati. Prof. Manoranjan Kalita, Director, School of Technology of the University and Prof. Gautam Biswas, Director, IIT-G signed this MoU which opens new avenues for collaboration in various areas of Scientific and Technological developmental initiatives and research.



The MoU enables students at Don Bosco University to visit and get familiarized with latest technological equipment at IIT-G, and also carry out their summer internship there. In addition, both parties agreed to collaborate in research at various levels.

12b Certification for the University, 13 June 2017

The University has crossed yet another mile as the University Grants Commission has granted the 12b Status to the University (vide F.No.8-13/2009 (CPP-I/DU) dated 13 June 2017) as per the recommendations given by the UGC Inspection Team who visited the University on 1-2 September, 2016.

With this, the University becomes the first in the Northeast and the fourth in the country among private universities to have been awarded this status. The University is now eligible to apply for grants/funds for research projects – minor and major, conferences and symposiums etc. to UGC and organizations funded by Central Government like DST, DBT, ICAR, ICMR etc.

MoU with NESAC, 13 June 2017

The University on 13th June 2017 signed a Memorandum of Understanding with North Eastern Space Applications Centre (NESAC), Department of Space, Government of India, located at Umiam, Meghalaya.

Recognizing the importance of research and development in the areas of Remote Sensing, Atmospheric Sciences, Satellite Communications, Unmanned Aerial Vehicles, Civil Engineering, Electrical Engineering, Computer Sciences, Electronics and Communication Engineering, Physics, Aero Space Engineering and other relevant areas with space technology based inputs, agreed to collaborate in academics and to take up joint research projects in these areas. According to this agreement, both ADBU and NESAC will encourage interaction between scientists, research students, faculty members and students of both the organizations through organizing joint conferences and seminars, joint guidance of projects and research work of the students and NESAC personnel. In addition, students of Don Bosco University will be able to do summer training/dissertation at NESAC. The MoU was signed by the Director of NESAC, Shri PLN Raju and the Vice Chancellor of ADBU, Fr. (Dr.) Stephen Mavelly.



Workshop on new assessment methodology of NAAC, 5 July 2017

The fraternity of Assam Don Bosco University, had participated in the one day in house workshop conducted on the new assessment methodology of NAAC, under the guidance of the external member Prof. Pereira, NAAC assessor, in view of the preparation of all the documents to be made ready for the visit. A Total of 89 participated for the workshop. The new assessment methodology consists of a set of seven criteria to serve as the basis of its assessment procedures.

Staff Development Programme - Autumn Semester, 10 -11 July 2017

The Staff Development Programme for Autumn Semester on 'Mind Mapping ...developing a culture of innovation' was held on 10-11 July 2017 at the Conference Hall, Azara Campus. The programme conducted by Mr. Maneesh Dutt, PMP (Project Management Professional), alumnus of IIT - Delhi and Eni University, Milan, focused on the importance of Mind Mapping as a tool for teaching – learning process and also for developing innovative ways of thinking. Stressing on the importance of innovative thinking, the participants were made to understand various modes of thinking, such as Proactive, Generative, Reactive,



Selective and Analytical Thinking. A total of 105 faculty members participated in the programme.

The University becomes NIELIT Center

In the wake of the University being granted 12b status by the University Grants Commission, the University received a good news that the National Institute of Electronics and Information Technology (NIELIT), under the Ministry of Electronics and Information Technology, Government of India has granted the University a status of Facilitation Centre to conduct Digital Literacy Courses (DLC) on self-certification basis. The University will now be able to train and field candidates in DLC such as ACC, BCC, CCC, CCC+ and ECC as per the guidelines of NIELIT.

International Student Exchange Programme, 9 June – 8 July 2017



The International Student Volunteer Exchange Programme 2017 between the University and University College Dublin Volunteers Overseas (UCDVO), Ireland was held during 9th June – 8th July in the villages of Goriyaghuli, Upper Tapesia, Hatimurah and Patarkuchi of Kamarkuchi Panchayat, Sonapur.

Student volunteers from both the Universities, for a month were engaged with villagers in community improvement projects and activities that included renovation and repair of Anganwadi Centers and drinking water projects, workshops with children, women and youth, and organizing awareness programmes on various social issues related to local communities.

The objectives of the programme are:

- To channel the skills, energy and enthusiasm of university students into projects which enhance the development of marginalised and underprivileged communities.
- To create space and opportunity for university students from Don Bosco University, India and University College Dublin, Ireland to learn and experience together participatory community development and social outreach.
- To enhance intercultural awareness between students and communities for the purpose of increasing global solidarity and interconnectedness.
- To promote attitude of appreciation for other cultures, practices, and traditions.



'The exchange programme, besides giving me an opportunity to work in a multicultural context has deepened my understanding of Indian village communities", said Eoin Gleeson, a student volunteer from Ireland. An Indian student leader, Memorial Khonglai said, "The programme has helped me to understand and appreciate people from different cultural backgrounds as we were working together with them for a month".

ADBU mentors Social Work Education in Bhutan, 19 – 30 June 2017

The Department of Social Work has been providing technical expertise to the Samtse College of Education (SCE), Royal University of Bhutan for developing a Bachelor of



Arts in Social Work. In this respect, Mr. Victor Narzary, Assistant Professor, Dept. of Social Work facilitated a 10-day perspective planning exercise from 19 - 30 June 2017 at Samtse and Thimphu, aimed at understanding the context of social work in Bhutan and the opportunities and challenges of social work education there. While the Samtse College of Education has been closely

working with UNICEF-Bhutan towards this end, Don Bosco University has been identified as a key partner to mentor the process.

As part of the assignment, Mr. Narzary carried out an institutional visioning, strategic planning and curriculum designing exercise for the faculty members, explored research and field placement opportunities and assessed the challenges thereof, and provided a two-day orientation on social work education to members of the faculty at SCE.

In continuation of the mutual collaboration between the two organizations, several critical next steps are in the pipeline. Apart from hand-holding in the development of a Bachelors in Social Work programme, training of Civil Society Organizations of Bhutan, and faculty and students exchange programmes have been identified as key areas of collaboration.

Smart India Hackathon, 1 -2 April 2017



The University's team called 'Matrix' was placed at 4th position in an All India competition – Smart India Hackathon 2017 held on 1-2 April 2017. The Hackathon, a 36 hours non-stop coding competition was organized by the All India Council of Technical Education

(AICTE). Three teams from the University participated in this competition which involved finding digital solutions for developmental proposals under the DoNER Ministry (Department of North Eastern Region).

Out of 31 teams selected from several colleges all over India for the grand finale, two teams of Don Bosco University made it to the top eight. At the end of the competition 4 teams were selected as winners and the University's team 'Matrix' was as one of the winners and bagged cash prize and certificates. The team was led by Abhijit Matak, Siva Agarwal, Dipandita Saikia, Noel Rittick Bar, Khagen Borah, Raj Kr Bhakat as its members and Ms Bobby Sharma and Ms Gypsy Nandi as its mentors.

International Yoga Day Observed, 20 – 21 June 2017

Assam Don Bosco University celebrated the International Yoga Day at two of its campuses in a truly international manner, even though the university was on semester vacation during this period, an international student volunteer programme was in progress at the Tapesia Campus of the University. The university used the opportunity of the student volunteer programme to conduct a brief workshop on Yoga as well as have a session of yoga with the students from Ireland and our own students.



The international Yoga Day was also celebrated at Azara and Kharguli Campuses of the University with youth taking part in various short term summer programmes being organised by the University during vacation, in two sessions – one on the 20 June, and another on 21 June 2017 itself. The sessions included an orientation on Yoga, its mental and physical benefits and actual performance of some yoga asanas.

One Day Meet on Skill Development, 29 August 2017

Board of Practical Training (BoPT), Eastern Region, Kolkata organized a one day meeting on Skill Development for Engineering (Graduate and Diploma) in NE states under National Apprenticeship Training Scheme (NATS) at the University's Conference Hall, Azara Campus on 29th August, 2017. The objective of this Industry-academia meeting was to bring together the stakeholders, viz., the alumni, Institutions and the Establishments/Organisations fraternity of Northeast, to interact with each other



regarding the present day requirement of industries and facilities available through NATS for achieving the dream of a developed India through skill development. Chairman of BoPT Sri Chakraborty mentioned in his inaugural address that 70 percent of the engineers graduating from the institutions in India are unemployable owing to lack of practical skills. He added that the government of India came up with the idea of

setting up of the board (BoPT) to give chance to the engineering students to acquire skills through Apprenticeship in various industries, after their degrees and diplomas. Fr.(Dr) Stephen Mavely, in his address informed that the University has been providing soft skills training apart from the curriculum to all its graduates. He expressed his thankfulness to BoPT, for taking the responsibility of practically training the Engineering students of the whole region.

Sixth Convocation, 9 September 2017

On 9 September 2017, the University celebrated its Sixth Convocation at Azara campus, Guwahati, in a vibrant celebratory atmosphere, where 728 students from 42 countries were awarded degrees in various programmes. The Sixth Convocation was graced by Shri Banwarilal Purohit, the Honourable Governor of Assam and Visitor to the University,



along with many dignitaries and eminent guests from prestigious academic institutions, the graduates and their parents. The Hon'ble Governor, in his address, congratulated the graduates and the University saying, "The fact that the University is catering to a diverse population and the presence of students from various countries today reaffirms that this University is indeed a global university". Encouraging the graduating students to serve the nation with the skills and degrees they acquired, His Excellency said, "The reason why progress is slow in our country is because of the culture of rampant corruption. It is the responsibility of this generation to come together to fight to eradicate this culture... Follow your heart, live simple, trust in God; No matter where we come

from, what God we worship, we are bound together in this nation to work together to achieve our dreams”.

MoU signed with IIE, 15 September 2017

The University signed an MoU with Indian Institute of Entrepreneurship (IIE), Guwahati on 15th September 2017. Indian Institute of Entrepreneurship (IIE) Guwahati is an

organization of the Ministry of Skill Development and Entrepreneurship, Govt. of India having its registered office at Basistha Chariali, East West Corridor, Near Game Village, Lalmati, Guwahati.



The University has been selected as a Technical Agency for the revamped Central Sector Scheme titled the “Scheme of Fund for Regeneration of Traditional Industries (SFURTI)” which

has been drawn up and approved by the

Union Ministry of Micro, Small and Medium Enterprises (MSME). Assam Don Bosco University will be providing close handholding and implementation support to the SFURTI clusters. This is an opportunity for ADBU to help restructure the dying traditional industries of Assam and the North East. The MoU was signed by Mr. Manoj Kumar Das, Director, IIE and Fr. Joseph Nellanatt, Pro-Vice Chancellor, ADBU.

MoU with NE Cancer Hospital and Research Center, 25 September 2017



A Memorandum of Understanding (MoU) was signed between Assam Don Bosco University (ADBU), Guwahati and North East Cancer Hospital and Research Institute (NECHRI), Guwahati on the 25th of September at the Tapesia Campus of the University. The MoU includes conducting joint training programmes; develop institutional capacity building including joint consultancy and research programmes, researcher and student exchange programmes for human resource development through education, training and staff exchange and sabbaticals. Other activities under the MoU include joint organization

of International Workshops, Conferences, Seminars and Symposia focusing on Medical Technology development. The institutions plan to facilitate the transfer of innovation and technology, in the areas of mutual interest. ADBU and NECHRI plan to jointly introduce Certificate/Diploma/Degree courses in Radiotherapy, Radiology and Pathology. A major area of interest for both the institutions is to utilize expertise from both sides to develop indigenous low cost medical equipment and accessories. The MoU was signed by Fr. Dr. Stephen Mavelly, Vice Chancellor of ADBU and Dr. M. N. Baruah, Managing Director of NECHRI. The other dignitaries present in the MoU signing programme were Dr. Imliwati Longkumer and Dr. Gitartha Roy Medhi from NECHRI and Prof. Basil Koikara, Prof. J. N. Vishwakarma, Dr. Peter Paul Huhnar and Prof. Sunandan Baruah from ADBU.

University Teams bagged Young Innovations Awards, 2-3 November 2017

Two teams from the University at a statewide competition 'Ideathon: Youth Innovations for a Brighter Assam' held on 2-3 November 2017 were declared 'winners' among top 30 teams selected to participate in the grand finale. The two day event was organized by the Centre for Sustainable Development Goals (CSDGs) in collaboration with United Nations Development Programme (UNDP), Centre for Innovation and Futures Studies (CIFS) and Transformation and Development Department, providing a platform to all young students of Assam from various institutions to develop solutions for few of the biggest challenges in Assam. After a rigorous selection process from an overwhelming number of entries from various colleges and universities



of Assam, the top 30 teams were selected to participate in the grand finale. Out of the four teams from Assam Don Bosco University that have joined for the competition, all the teams made it to the grand finale for developing scalable models and prototype for any of the critical problem statements provided by the Ideathon team. The winning teams were mentored by Ms. Nupur Choudhury and Ms. Gypsy Nandi and have been assured to be provided with the seed fund of Rs. 1.5 lakh for further developing their ideas.

Staff Development Programme – Spring, 23 – 24 February 2018

A two day Staff Development Programme of Spring Semester was conducted at Tapesia Campus of the University. Resource Person, Prof (Fr) George Palamattathil explored the topic 'VALUING SELF REFLECTION...for transformation', dealing with the importance of reflecting upon one's own actions and thoughts. Topics related to empathy, learning from experiences, reflecting on classroom teaching, reflective writing, journaling and other topics were covered.



ADBU, Implements programmes as advised by UGC and MHRD – —SWAYAM, Swachhata Pakhwada

SWAYAM courses have been introduced for the master's level at the School of Technology in the course curriculum. The University encouraged large involvement of the students led by the extra-curricular clubs in Swachhta Pakhwada.

School of Technology

Symposium on 'Next G Communication - Are we ready?', 1 April 2017



The Department of Electronics and Communication (ECE) organized a Symposium on 'Next G Communication - Are we ready?' on 1st April, 2017 which was attended by students pursuing courses in Electronics & Communication Engineering from the University, Gauhati University and Girijananda Institute of Science & Technology. Prof. Sunandan Baruah, HoD of the Department of ECE gave an overview on the topic and briefed the participants on the history of communication technology and the fast progress in the field over the years.

Renowned Professor of Indian Institute of Technology, Guwahati, Prof. Ratnajit Bhattacharjee, delivered a talk on Wireless Communication tracing its history beginning with Marconi's early experiments in Wireless Technology to the latest requirements/standards of LTE and discussed about the main pillars of 5G Technology. Dr Bidisha Dasgupta, Dept. of ECE, Indian Institute of Information Technology, Guwahati delivered her talk on the topic "Dielectric Resonator Antenna". Mr. Nabakishore Singha, Head RF Planning & Optimization, Vodafone, Assam & Northeast. Mr. Singha addressed the participants on the topic "Evolution of 5G" and mentioned that Northeast has become a part of the top 20 Smart Technology Project. This was followed by a panel discussion by a team of experts, Dr. Kandarpa Kumar Sarma, Assoc. Prof. Dept. of ECT, Gauhati University; Dr. Navajit Saikia, Assoc. Prof, Dept. of E & TC, Assam Engineering College; Mr. Nabakishore Singha, Head RF Planning & Optimization, Vodafone, Assam & Northeast and Prof. Sunandan Baruah, Head, ECE, SoT, ADBU, from academia and industry on the topic "NEXT G Communication- Are we Ready?" A team of expert panelists also addressed the queries of the students on the topic. The panelists were Dr. Kandarpa Kumar Sarma, Dr. Navajit Saikia, Mr. Nabakishore Singha and Prof. Sunandan Baruah summarized the panel discussion and invited the students to take up projects based on design of meta-materials for smart antenna and concluded saying 'Dream Big'.

Inter-College Quiz Competition, 22 April 2017

Inter College Electrical Quiz Competition was organized by the Department of Electrical and Electronics Engineering on 22nd April, 2017. The objective of the event was to popularize Electrical and Electronics Engineering among the students and motivate them to take up Electrical engineering. Mr. Jyoti Kumar Barman, Assistant Professor of the Department was the quizmaster. 17 teams from different engineering colleges and universities participated in the competition, out of which six teams got selected to the final round. The final round teams were named after pioneers of electrical engineering, viz., Ampere, Faraday, Bose, Franklin, Edison



and Tesla. Kumar Shivam and Jyotish Kalita of Guahati University won the first prize, while the team of Dhiraj Sharma and Rahul Roy and the team of Ankit Bhattacharjee and Ankur Dutta from Assam Engineering College bagged the second and third prize respectively.

Symposium on Impact of Climate Change, 29 April 2017

The Department of Civil Engineering organized a day long symposium on 'Impact of Climate Change on the Hydrology of Brahmaputra Basin' on April 29th, 2017.



The invited speakers for this one day symposium were Prof. Rajib Kr. Bhattacharjya, IIT Guwahati and Dr Bibhash Sarma, Assam Engineering College. Prof. Rajib Bhattacharjya spoke on various morphological features of Brahmaputra and gave an insight of climate modelling by GCMs and how ANNs can be utilised for climate

forecasting. Water energy nexus was another interesting area that he touch upon. Prof. Bibhash Sarma spoke on the climate change scenario keeping the hydropower potential of the region as the main focus and showcased some smaller hydropower projects that are functioning efficiently in the region. The symposium provided the participants the opportunity to learn, to identify ways to play an even more active role in addressing climate change, and to work together in identifying further opportunities within the region.

Workshop on Android Apps by Google, 17- 21 May 2017

The University in collaboration with Google conducted a five-day training programme from 17th May to 21st May 2017 on "Development of Android Apps". The training was



imparted to the faculty members of the Department of Computer Science & Engineering and IT. The initiative was a response to the proposal of academic alliance sent by Google to the University. This alliance is aimed at supporting the Android skilling programme launched by Google to train two million developers in India for its Android platform. The university will also offer a subject, 'Mobile App Development', to students with assistance

from Google in providing the infrastructure for related lab work. The resource person for

this workshop was Mr. Rohit Kapoor, Google Certified Corporate Trainer, who has been conducting such training programmes worldwide for more than eight years.

An Android app is a software application running on the Android platform. Because the Android platform is built for mobile devices, a typical Android app is designed for a smartphone or a tablet PC running on the Android OS.

Mason Training – Swabalamban, 5-7 June 2017

A Three day mason training programme was organized by the Department of Civil Engineering as a part of the University's social commitment programme – Swabalamban, 5-7 June 2017. The



objective of the programme was to enhance theoretical knowledge and practical skills of unskilled labourers who are interested to pursue civil engineering construction work as a means of livelihood. Mr. Ankur Goswami and Mr. Githartha Kalita, Assistant Professors of Civil Engineering Department gave lectures on the technical aspects of different construction works viz. formwork

and scaffolding, RCC and PCC works, reinforcement and detailing, plastering, construction safety practices, and curing. Mr. Mukul Kalita, Assistant Professor, with the assistance of Laboratory Technicians Mr. Diganta Bhattacharjya and Mr. Nabajyoti Dutta, gave a demonstration of different laboratory tests that are to be conducted in the field of construction. Md. Sukur Ali, a renowned mason from Azara, trained the participants and presented practical insights into preliminary construction activities like brick work, plastering, bar bending, concreting and all related works.

Summer Workshop - STCESDA 2017, 6 -17 June 2017

The department of Electronics and Communications (ECE) of the School of Technology organized a “Short Term Course on Electronic Systems Design and Analysis” (STCESDA 2017) from 6th -17th June, 2017 at School of Technology (SoT), Assam Don Bosco University, Azara campus. The STCESDA 2017 was a joint initiative of the Department of ECE along with Sciencetech Technologies Pvt. Ltd. 28 participants from different universities such as Bharat University, Chennai, Gauhati University and ADBU with a



background in electronics attended the workshop. Faculty members of the Department of Electronics and Communication Engineering, ADBU; Engineers from Sciencetech Technologies Pvt Ltd and IIIT Guwahati were the resource persons. Some sessions were conducted online.

Summer Workshop – AutoCAD, 5 – 9 June 2017

The Department of Civil Engineering successfully conducted a Summer Workshop on Drafting Software- AutoCAD for the 4th Semester students of the Department, coordinated by Asst. Prof. Supran Chakravarty. The 5-day workshop commenced on 5th of June and concluded on 9th June, 2017.



The workshop provided the participants with a variety of exercises in modelling/drawing/drafting. The main objective of the course was to provide the most important two-dimensional AutoCAD commands and concepts, and for those who want to become a more seasoned and proficient CAD operator.

Summer Workshop - NSIIAAD 2017, 5 – 17 June 2017



The Department of CSE & IT, School of Technology, Assam Don Bosco University (ADBU), organized a two week National Workshop cum Summer Internship on 'Internet

of Things and Android Applications Development (NSIIAAD'17)' from 5th June to 17th June 2017 in collaboration with industry partners Zantrik Technologies Pvt. Ltd. and Usense Innovative Solutions Pvt. Ltd., Guwahati.

The primary objective of the workshop was to expose the participants to state-of-the-art tools and technologies involved in designing and developing professional applications based on Android and Internet of Things (IoT). NSIIAAD'17 was coordinated by Ms. Manasi Hazarika and Ms. Sonia Sarmah, Assistant Professors from Department of CSE & IT, School of Technology, ADBU. The workshop was conducted in a full-time mode, involving lectures, practical sessions, demos and hands-on practices that ran over twelve days and consisted of forty five technical sessions. A total of twenty one resource persons, including faculty members from the department of CSE and IT, ADBU and experts from various other organizations, took sessions in different sub-areas of android and IoT application development. Mr. Nitesh Singh, Scientist B, National Institute of Electronics and Information Technologies (NIELIT), Guwahati and Mr. Monjoyoti Das, PhD scholar, Gauhati University delivered lectures on Internet of Things. Mr. Bapi Das from Usense Innovative Solutions Pvt. Ltd. and Mr. Firdous Shahani from Assam Technologies provided hands-on training on Android Application Development. There was also an interaction session with the University alumni working in reputed organizations like All state, Daily hunts (Verse Innovation Pvt. Ltd.) etc. The workshop was attended by forty participants.

Faculty Development Programme on ICT for Education, 3 August - 7 September 2017

As a part of 'Train Ten Thousand Teachers' project, the School of Technology hosted a two week Faculty Development Programme (FDP) on ICT for Education as one of the remote centers across India. The training



programme organized by IIT Bombay was approved by All India Council for Technical education (AICTE), a statutory body of Govt. of India. The remote center at the University had 17 participants registered for the course and it began from 3 August 2017 and ended on 7 September 2017. Interactive classes were held every weekend. Each participant was expected to access the

online platform, using a PC at home or office, on any convenient day and time during the weeks, with an online test held every week. Each participant had to spend 6 – 8 hours per week to learn and give test and this was considered as equivalent to one day of work in a regular FDP. Focused interactive sessions with the participating teachers were also conducted by the faculty from IIT Bombay. The training programme focused mainly on the following three issues and some case studies:

- Identify various ICT devices and applications useful in teaching-learning.
- Develop awareness towards ethical practices for use of ICT in education.
- Make use of best practices for information dissemination using ICT.

The FDP was funded by National Mission on Education through ICT (MHRD, Government of India). It was free course and all the live videos were recorded and the final edited audio-visual contents along with other course materials were released under open source for free access.

Symposium on Patent Awareness, 29 August 2017

Keeping in view the importance of Intellectual Property Rights, especially Patent, the IPR Cell together with the Department of Mechanical Engineering organized a one-day symposium on Patent Awareness with the help of Assam Science Technology and Environment Council (ASTEC), Guwahati on 29th August 2017. Patents have emerged as an important indicator of academic and industrial competency. Understanding patents has become as vital as understanding innovation, technology, marketing, finance, company governance, industrial and political economy and strategy. They provide insights into technological innovation and



business competency and have the potential to have an effect on Research and Development and business methods of universities. Resource persons from ASTEC, Dr. Ranjit Kr. Barman, Head, Science and Technology Division of ASTEC and Mr. Siddhartha Debnath, Scientist 'C' delivered insightful information on Intellectual Property and

Patent. Dr. Barman delivered a talk on

Intellectual Property and its significance and Mr. Debnath presented detailed information on Intellectual Property (IP) – Patent and held an interaction session. The resource persons encouraged the University and the participants to work on Geographical Indication (GI) process for some traditional products of Assam which the University intends to take up in the near future. A total of 38 participants from various departments in the University took part in the symposium.

3-day Entrepreneurship Awareness Camp (EAC), 4 - 6 September 2017

The Entrepreneurship Development and Incubation Centre (EDIC) of the School of Technology, Assam Don Bosco University organized a 3-day Entrepreneurship Awareness Camp (EAC) that started from the 4th September 2017 till 6th September, 2017 in collaboration with Entrepreneurship Development Institute of India, Ahmedabad and sponsored by Dept. of Science and Technology (DST), Govt. of India.



The camp Commenced, with the welcome address delivered by Dr. Manoranjan Kalita, Director, DBCET, School of Technology, ADBU and inspiring words by Fr Joseph Nellanatt, Pro Vice Chancellor, ADBU where he emphasised on thinking out of the box for taking up entrepreneurial venture. The technical sessions were conducted by Dr. Rashmita Barua, an in-house faculty and by a start-up training organisation called “Start-up Assam” headed by Mr. Pankaj Gogoi. One of the days, the students were taken for an industrial visit to understand the practical facet of industries in two batches - one to North East Power Line Industries and the other batch to Varun Beverages Ltd. There were a total of 64 participants for the 3-day programme.

National Exhibition & Conference on New and Renewable Energy NECONRE 2017, 6-7 October 2017

The Department of Electrical and Electronics Engineering organized a National Exhibition & Conference on New and Renewable Energy (NECONRE-2017) with a special focus on “Renewable Energy for rural India: the present and the future”, in

association with Assam Energy Development Agency (AEDA), at Azara Campus on 6-7 October 2017. The conference was inaugurated by the Chief Guest, Mr. Ajanta Kumar Goswami, CGM, Assam Power Distribution Company Limited. The conference was attended by 70 participants and 31 technical papers on various topics supported by new and renewable energy



such as solar energy, wind energy, hydroelectric Energy, bio-fuels and miscellaneous new and renewable energy sources were presented in four technical sessions. Together with the deliberations of experts in the conference, an exhibition was held, to enlighten the students, developers and policy-makers on the various opportunities under the latest “new and renewable energy investments”. This national level project exhibition competition for the students was organized in two categories; where a total of 26 groups of students from various academic intuitions participated. In Category-I (for Class IX-XII) of this competition, the first prize was bagged by St. Clare’s Convent High School, Borjhar, Guwahati and in Category-II (for Degree and Diploma students), the first prize was bagged by a group from Don Bosco University. Alongside the presentation and the exhibition, R&D practitioners, and Industry delegates were invited to showcase their equipment, materials, services, innovative findings, new knowledge and other practices relevant to addressing energy poverty. 5 companies engaged in renewable energy sector nationally participated in the Industrial exhibition, viz. Free Power Technology Private Ltd., Susconnect Pvt Ltd, Havells India Limited, Ujaas Energy Limited, Greenlight Planet India Pvt. Ltd. NECONRE-2017 also featured a Panel Discussion session among experts from various fields who are directly or indirectly associated with renewable energy sector. The session successfully benefited the participants by creating awareness in them in critical issues of renewable energy sector.

One Day Symposium on ‘Electronics - the Backbone of IOT, 4 November 2017

The Department of Electronics and Communication organized a one day Symposium on “Electronics- the Backbone of Internet of Things (IOT)”. The objective of the symposium was to provide an understanding of the role



of Electronics in IOT implementation and there by providing the young engineering students and researchers a platform to discuss about the various issues, challenges and other factors related to IOT. Eminent academicians Dr. Ferdous Ahmed Barbhuiya, Head, Dept. of CSE, IIIT, Guwahati and Dr. Nayan Moni Kakoty, Associate Professor, Dept. of ECE, Tezpur University delivered invited talks on this topic. Dr. Ahmed Barbhuiya

spoke about the various issues and challenges related to IOT while Dr. Kakoty on the other hand spoke about the various fields such as agriculture, healthcare, smart farming, etc. where IOT could create a revolution and he termed IOT as the ‘the Instrument of Fourth Generation’. After the invited talk, there was a brainstorming panel discussion on the topic which was facilitated by Prof. Sunandan Baruah, Director of Centre of Excellence in Nano Technology& Professor, Dept. of ECE, Don Bosco University. The other panelists were Dr. Nayan Moni Kakoty, Associate Professor, Dept. of ECE, Tezpur

University; Dr. Abhijit Sarma, Assoc. Professor and Head, Dept. of CSE, Gauhati University and Mr. Arup Baruah, Sr. Asst. Prof., Dept. of CSE, ADBU. The panelists also answered queries by the participants. More than 80 students and research scholars from the University as well as from Gauhati University and Tezpur University attended the symposium.

Free Training Programme on 'COMPUTER AIDED DRAFTING', 11-15 December 2017

The Department of Civil Engineering, School of Technology, conducted a one-week free training programme under the banner of SWABALAMBAN from 11th June to 15th December 2017. The objective of this social



commitment programme was to enhance theoretical knowledge of educated unemployed youth who would want to pursue computer-aided drafting/technical drawing works as a means of livelihood. Mr Supran Chakravarty, Assistant Professor, with the assistance of technical staff Mr Diganta Bhattacharjya and Mr Simanta Banikya, discoursed and gave practical

insights to the actual engineering drafting projects. The programme concluded successfully on 15th December with the distribution of certificates to the participants by Pro-Vice Chancellor, Fr. Joseph Nellanatt and Director, Dr. Manoranjan Kalita.

Short Term Training Course on Geoinformatics using QGIS from 18 – 22 December, 2017

The overall objective of the programme was to glance into and discuss the prospects of Geoinformatics, Remote Sensing and GIS. The training was provided to students, faculty members and industry personnel on the fundamentals and applications of Geoinformatics, use of the software QGIS, use of Beam VISAT software in Microwave remote sensing. Participants were from various fields of Engineering, Agriculture, Wildlife, Forestry, Planning, Environmental Science, Geography and Geology who benefited from the outcome of the course.

Dr. Nilotpall Deka, Assistant Professor, Morigaon College, Scientists from North Eastern Space Application Centre and Assam Remote Sensing Application Centre and faculty members from Assam Don Bosco University, have taken different sessions during the training programme. The course consisted of both Lecture as well as Practical sessions.

ISO certified Workshop of the Dept. of Mechanical Engineering, 20 January 2018

A special session was held on 20th January morning at Azara Campus, where Mr Pradipta Kumar Bagchi and Mr Ananga Das, helped the University in the whole process. Congratulating the University, Mr Ananga Das expressed his hope that the certification of the Workshop will help the University serve mechanical engineering students better. The Mechanical Workshop of the Department of Mechanical Engineering has been certified by International Organization for Standardization under ISO 9001:2015. The certification has been done to facilitate product development, consultancy and improved teaching and learning.



Preliminary discussion, preparation of workshop as per ISO standard and investigation by a committee from ISO was held and an initial discussion between ISO member Mr Pradipta Kumar Bagchi, Auditor, ISO and faculty and staff of Department of Mechanical Engineering along with Pro Vice Chancellor Fr. Joseph Nellanatt and Dr. Manoranjan Kalita, Director, School of Technology of the university. Based on the guidelines suggested by ISO, the department prepared the workshop under the guidance and monitoring of Mr Ananga Das, Senior Manager, Emami Limited, Guwahati. After a final verification by ISO, the workshop was then certified.

Amazing Nano 2018, 29 Jan - 3 Feb 2018



One week National Workshop on Nanotechnology was organized by the Center of Excellence in Nanotechnology together with the Department of Electronics and Communication Engineering, Assam Don Boko University from 29th January till 3rd February 2018. Apart from ADBUs own resource persons, sessions were also

conducted by Prof. Gabor Louis Hornyak from Asian Institute of Technology, Thailand; Prof. Achintya N. Bezbaruah from North Dakota State University, USA; Prof. Somabrata Acharya from Indian Association for the Cultivation of Science; Dr. Hassan Mujtaba Jafri from Uppsala University, Sweden; Prof. Pranayee Datta from Gauhati University, Dr. Pabitra Nath and Dr. Shyamal Kumar Das from Tezpur University and Mr. Arup Borah from Indian Institute of Information Technology, Guwahati. Out of the 6 days, sessions for 4 days including lab sessions were conducted in the Azara Campus of and one day each at Tezpur University and IIT Guwahati. The workshop was organized in collaboration with Tezpur University and Indian Institute of Technology, Guwahati with financial support from STPI, Guwahati and NIELIT Guwahati.

Workshop on Arduino and Raspberry Pi, 10-11 Feb 2018

The Department of Electrical and Electronics Engineering (EEE) organized the third Edition of WAR, a Workshop on Arduino and Raspberry Pi (WAR) on 10-11 Feb 2018.

The purpose of the workshop is to give the participants an insight of various applications of ARDUINO and RASPBERRY PI. The Chief Guest Prof. Durlav Hazarika of Electrical Engineering Department, Assam Engineering College graced the occasion.



Addressing the gathering, the HoD of Dept. of EEE, Prof. Shakuntala said that the workshop aimed at creating an environment to explore beyond the academic syllabus with the use of Arduino and Raspberry Pi, which will help the students to try different types of engineering projects. The workshop covered topics from basic theory to practical hands-on training and 15 participants were awarded certificates. The resource persons of the Workshop were Assistant Professors of the department- Mr. Gitu Das, Mr. Jyoti Kumar Barman, Mr. Bikramjit Goswami and Ms. Pushpanjalee Konwar.

Invited talk on "Robotics: Past, Present and Future trends", 8 February 2018

The department of Mechanical Engineering organized an invited talk on "Robotics: Past, Present and Future trends" held at Conference hall on 9th February 2018, (Thursday, Day 1) from 2-00 P.M. onwards. The guest speaker, Dr. Shyamanta M. Hazarika, professor in Dept. of Mechanical Engineering, IIT Guwahati delivered his talk an interactive session with students and faculty members.

National Symposium on 'Recent Trends in Nanobiology', 9 February 2018

A one day National Symposium was organized by the School of Life Sciences, Assam Don Bosco University (Tapesia Campus) on 'Recent Trends in Nanobiology' on 9th February 2018.

The symposium was conducted with an aim to provide the students of Life Sciences a platform to attend lectures and discuss the various applications in the field of Nanoscience and Life Sciences, thus enhancing and widening their understanding.



The invited speakers who were a part of this initiative were: Samrat Paul, Head, Department of Energy Engineering, North-Eastern Hill University, spoke on 'Application of nanomaterials in Bioenergy and Biofuel'. Sunandan Baruah, Director,

Centre of Excellence in Nanotechnology

and Professor, Department of Electronics and Communication, Assam Don Bosco University enlightened the students on the topic 'Nanomaterials for Biological applications'. Probin Phanjom, Assistant Professor, Department of Microbiology, School of Life Sciences, Assam Don Bosco University spoke on the technical aspects on the 'Biosynthesis of Silver Nanoparticle using Fungus'.

Poster presentation was held on the theme of Nanobiology and students from various universities participated in it, showcasing various research works being carried out in this field. More than 90 students and research scholars participated in the Symposium.

School of Humanities and Social Sciences

Adult Education for Village Women, 20 July 2017

As part of an initiative of Don Bosco University's Center for Development Studies and Initiatives (DBU-CDSI), the University on 20th July 2017 launched 'Women Adult Education Programme' christened 'Educate to Empower (EE)' at Hatimura Village, under Kamarkuchi Panchayat in collaboration with the University's Department of Education. 15 women registered for the first batch.

The inauguration programme held at Hatimura Anganwadi Center was attended by the University's Vice Chancellor, Fr.(Dr) Stephen Mavely; Pro Vice Chancellor, Fr. Joseph Nellanatt; Registrar, Dr. Basil Koikara; Shri DA Sarkar, BDO of Dimoria; Panchayat President Smt. Shandra Prova Das; women of Hatimura village, faculty and students. The initiative began after the DBU-CDSI had a consultation meeting with the women of Hatimura on 7th April 2017. The women expressed their desire to learn English and requested Don Bosco University to help them achieve this dream. From then on the university had been working on making the dreams of these women a reality. Two more meetings were conducted with the women of Hatimura village on 20th April and 13th July 2017 to discuss the contents of the programme and areas they would like to focus on. Accordingly, the University decided to conduct a 6 month Certificate Programme in



Basic English (Reading and Writing) for the women. The Programme will also include different workshops every fourth week on Career Guidance (enabling them to guide their children), Child Development and Parenting, Nutrition and Balanced Diet, Physical Health (communicable and non-communicable diseases), Mental Health and Human Rights.

Workshop on 'The Concept of Development', 25 - 26 July 2017

The Department of Mass Communication, Assam Don Bosco University, Tapesia held a two day workshop on 'The Concept of Development' on 25 - 26 July, 2017 for the 3rd Semester students of M.A. Mass Communication. The purpose of the workshop was to enlighten the students with the concept of communication for development and how to use it in an effective way to serve the society, especially 'the weak and the marginalised.' The resource person, Dr. Lukose PJ, HoD, Department of Social Work, Assam Don Bosco University spoke with the concept of development drawing examples from his life experiences. According to him, the word development is 'an actualisation of one's inner potentialities' which starts with cultural changes. The programme included power point presentations, anecdotes, songs, interactions, group discussion and presentation. Avishek Chakraborty, one of the participants said, "It was a fruitful and enriching workshop and easy to understand as the resource person provided us with examples from his real life experiences".

World Photography Day, 19 August 2017

World Photography Day was observed on 19th August with a special assembly organized by the Department of Mass



Communication. Shania James, a final year student of Masters in Mass Communication delivered a short speech on the history of photography and awards were also distributed to the winners of Smartphone Photography Competition, organized in commemoration of this day. The students of Masters in Mass Communication also organized a photo exhibition at the Atrium of Academic Block

– I, where photographs of various photographers from North East India were displayed. In addition, a replica of a 'Dark Room' has also been made available for students and staff to visit and have a better understanding of how photos were used to develop in a dark room prior to the digital era.

Workshop on Learning Disabilities, 25-26 August 2017

A two day workshop on 'Specific Learning Disabilities and Remedial Education', was organized by the North East Counsellors' Association (NECA) hosted by the Department of Psychology and Counselling, Assam Don Bosco University on 25- 26 August, 2017. Ms Rumana Fatehi from the Institute of Exceptional Children facilitated this two day workshop, which intended to provide relevant information to detect and provide intervention through support, services and remedial education on 'Specific Learning Disabilities'. 35 participants including special educators, teachers, clinical psychologists, counsellors and administrators from different renowned institutions of Northeast India attended the workshop.



Workshop for Anganwadi Workers, August - 5 November 2017

A series of workshops on 'Understanding Child Growth and Development' organized for Anganwadi Workers by Assam Don Bosco University in collaboration with University College Dublin Volunteers Overseas was concluded today with a short ceremony held at the Crystal Hall where participants were awarded certificates. This workshop, unlike

other workshops is a series of capacity building workshops for Anganwadi Workers and Helpers of Sonapur, Assam. Apart from 33 Anganwadi Workers and Helpers, the Child Development Project Officer of Dimoria Block and 3 Anganwadi Supervisors attended these workshops. The workshop, which began in the month of August ended on 5th November 2017 and covered various themes like:

Education –importance – Child and Society, Physical Development, Emotional/Psychological Development, Social Development and Needs, Special Needs – Focus on Special Education.



National Workshop on Understanding Child Growth and Development in Schools, 1-2 March 2018

The Department of Social Work organised its first national workshop series on Understanding Child Growth and Development in Schools for school teachers on 1-2

March 2018. The workshop package aims at

‘enhancing the effectiveness of a school as an institution of education through strengthening the capacity and ability of school teachers by understanding the child in the context of society, polity, economics, culture, physical, psychological, and special needs, thus making the teaching – learning process effective and child friendly within schools in relation to larger socio-cultural milieu’ according to Mr. Jacob Islary, the programme coordinator.



The workshop covers the following modules: Child – Society, Polity, Economy and Culture; Child – Education and Methodology of Education; Child – Sex, Gender and Gender Roles; Child – Growth and Development: Physical, Psychological, Social, and Special Need; Child – Rights in the context of education and discipline. Speaking on the occasion, Dr. Riju Sharma, Director SHSS, ADBU emphasised ‘on the importance of understanding the child in the context of his or her location, background and orientation by teachers in the process of education.’ The first workshop was attended by the teachers of St. John Bosco School, Patgaon in Kokrajhar. The School has a wide pool of teachers from the states of Assam, Odisha, Sikkim and West Bengal. It has strength of 368 students from class I to X, and 22 staff members. Majority of the students come

from families and villages that have been victims of ethnic conflict and violence of lower Assam.

5 Day Kiddies Day Camp, 29 January- 2 February 2018

Through the Center of Development Studies and Initiatives of the University, the alumni of the University conducted a 5 Day Kiddies Day Camp at A. W. Thomas Girls Home for the children of 6-13 years old from 29th



January to 2nd February 2018. The main aim of the camp was “to enhance the psycho-social competence of the children living in this institution”.

During these five days, a number of activities including sessions on – Body Image and Gender Sensitization by Ms. Adoreen Marbaniang, Superintendent, Green Pasture Children’s Home, Pyndengrei;

Puppetry Workshop by Ms. Manribha Laloo, ICTC Counsellor, Jowai Unit, Meghalaya Aids Control Society; Body Safety Rules by Ms. Saphira Lidia Tynsong, Superintendent, William Lewis Boys’ Home, Mawphlang; Arts and Crafts by Ms. Hazel Berret Wahlang, Ms. Camilia Ryntathiang and Mrs. Ilasiewdor Marwein, District Civil Work Coordinator; and Games and Sports etc

A.W. Thomas Girls’ Home is a charity based home run by the KJP Assembly, East Khasi Hills District supporting the poor and to reach out to those underprivileged children from all the districts of Meghalaya giving them shelter, food and education. The home has of 10 staff members and 38 inmates between the age of 6-17 years. It is collaborating with the Integrated Child Protection Scheme, Social Welfare for proper functioning as per the JJ Act.

School of Commerce and Management

Summer Internship Programs, April – June 2017

The 2nd year MBA students reported back after completing a rigorous 8-week long Summer Internship Program (SIP). SIP is an integral component of the MBA program designed with a view to provide students with practical experience earned by means of working on live company projects. Students take up projects in various organization either through their own contacts or with the assistance of the career center at DBIM. In the past, some students had been offered positions in the same companies where they

carried out their internships. This year the DBIM students carried out their projects in notable companies like Titan Eye, GNRC Hospitals among other notable companies.

New student orientation, 5-8 July 2017

DBIM started off with its ninth batch this year with vibrant colors. Presenting the best example of unity in diversity DBIM chose its students from diverse cultural backgrounds. This year we had our first student from the state of Orissa. A new student orientation program was organized from the 5th till the 8th of July.

Fr. Johnson, Rector, DBIM, Fr. P. D. John, Director, DBIM and the faculty members interacted with the new admits and their guardians on the 5th of July in an open session. Fr. Johnson emphasized the need for involvement of parents in the development of their wards. The faculty elaborated on the kind of teacher-student relationship that is given importance in the program. The open session was followed by a session on the hostel rules and regulations. This session was conducted by Sr. Anna Molly and Fr. Pojit Marak. Fr. Johny, the Director, conducted a daylong motivational session on July 6. The remaining days comprised of sessions on ice breaking, on policies and procedures, various facilities and infrastructure available to the students, motivation, professional skills and the like.



Industry Visit to Jyothy Laboratories, 25 and 31 August 2017



As part of the trimester industry visit initiative for the MBA program, the MBA students were taken for a day long trip to Jyothy Laboratories LTD., Amingaon, Guwahati. The second-year MBA students visited the plant on August 25 and the first-year students visited the plant on August 31. The plant at Amingaon specializes in the manufacture of mosquito repellent coils, especially the Maxo coils. The students were provided with a walkthrough on the manufacturing and distribution process followed.

FDP & SDP by Prof. Debapratim Purkaysatha, Associate Dean, IBS Hyderabad, 2 September 2017

On September 2, 2017, Prof. Debapratim Purkaysatha, Associate Dean, IBS Hyderabad, visited DBIM for a SDP cum FDP program on “Case based learning methodology for Business Schools”. Prof. Purkaysatha has authored more than 500 case studies and has received several national and international awards in case writing.



The first half of the program was dedicated to the MBA students. During this session, Prof. Purkaysatha dwelled on the important skills that students should develop to be successful in the competitive business environment prevalent today. He urged the students to be open to experimenting with career options in the initial stage of their careers so that they can identify their passion and work towards it.

The second half of the day was dedicated to the faculty. During this session, he tutored the faculty members on different types of cases that can be used for teaching, common problems faced by tutors while adopting a case study approach and how to work around these problems. He also shared his expertise and how to prepare case studies.

The program ended with distribution of certificates to faculty participants. Along with the faculty members from DBIM, faculty members from GIMT and Guwahati Commerce College also participated in the program.

Library Day, 28 October 2017

Don Bosco Institute of Management celebrated its annual Julhash Ali Library day on the 28th of October 2017. Unlike previous



years, this year, the library day events started on October 23 and the closing ceremony was held on October 28. The closing ceremony was a very solemn event with the winners of different events, like recitation and elocution, rendering their winning performances.

Fr. V. M. Thomas, Founding Director of DBI and the Salesian Provincial of the

Province of Guwahati in his keynote address went down memory lane and recalled the circumstances under which the Julhash Ali Library was built and recalled the contributions of past pupils. Fr. Johnson Parackal, Executive Director DBI and Rector DBIM in his special address congratulated the students and staff of DBIM for putting up a wonderful and enriching program. He also recalled the contributions of Fr. V. M. Thomas in the making of the wonderful library. The program ended with the distribution of awards for the various events followed by a vote of thanks proposed by our Director, Fr. P. D. John.

Extension Lecture on investor awareness, 18 November 2017

National Securities Exchange (NSE) conducted an investor awareness program at DBIM for the MBA students in collaboration with Global Edutech, Guwahati, on Saturday, November 18, 2017. Mr. A. K. Nath, Head, Global Edutech and Mr. Assad Ahmed, Certified NSE Trainer, were the resource persons for the program.



During the session, students were made aware of the advantages in investing money in the financial markets in comparison to investing in bank fixed deposits. Students were also informed about the need to begin early investments. There was a demonstration on possible returns that investors can earn by the time they retire depending on when and where they invest their money.

TALLY workshop by Fr. (Dr.) Francis Fernandez, 29 January – 3 February, 2018

A week-long training session on Tally was organized for the MBA students from 29th Jan to 3rd Feb, 2018. Fr Francis Fernandez, Controller of Examinations of the university was the resource person. The purpose of the session was to educate the students on the importance of Tally ERP-9 software for simplifying the accounting methods and procedures. They were trained on creating /selecting any company and group creating. A detailed lecture on accounts and voucher entries were discussed along with practice session on individual basis. The students were also taught about creating and extracting the financial statements and other statements related to inventory management, depreciation accounting and VAT procedure and records. They were given practical exposure of the software so that they can enhance their skills and knowledge and apply them in various aspects of their daily / professional activities.

Extension lecture on StockMind-6, 9 February 2018

Don Bosco Institute of Management organized an Extension Lecture 'Stock Mind-6' on 9th January' 2018 for the 1st and 2nd Year batch of MBA students. The event serves as a breeding ground for all those who wish to make big fortunes through investments in the stock market in future. In its sixth season now, StockMind challenges the sharpest minds across the country by offering them a platform to learn, compete and win exciting prizes. It's a nationwide initiative that allows students to understand the nuances of stock investing in an easy, exciting and risk-free manner and has been featured as a 'Largest Competition on Stock Investments' under Business section of 2016 edition of Limca Book of Records.

The competition encourages students to learn the nuances of the stock market by using virtual money in real market situations, thereby eliminating monetary risks. Ms. Smita Chakraborty, Zonal Marketing Manager-East, ICICI Securities Ltd gave the key highlights of Stock Mind competition. She explained the importance of Stock Market trading to students and the opportunity of Virtual trading platform that allows risk free trading with virtual money. The students were motivated to participate in the online trading game that would open from 12th February for 7 days which requires them to test their decision making and analytical skills. The competition would fetch exciting prizes at all levels, participation certificate to all students and a Grand Prize of Rupees one lakh to the national winner.

JourNEI 2018, 5 – 7 March 2018

This year, Don Bosco Institute of Management organized its annual college fest, JourNEI, as a three-day extravaganza. The first day was an in house cultural day. The second day was dedicated to management specific events and competitions. The third



day saw events open to all college going students. The Cultural Day on March 5 began with Fr. (Dr.) P. D. John, Director, DBIM, welcoming Fr. Johnson Parackal, Rector, DBIM, the chief guest of the inaugural program. All the MBA students participated in the program in their traditional dresses. The highlight of the day was a cultural presentation by the student showcasing the cultures of their native states.

March 7, day 3 of JourNEI saw events open to all college students like singing competition, group dancing competition, ramp walk, etc. Students from over 20 colleges

participated. The day began with a brief inauguration program with Fr. Johnson Parackal, Rector, DBIM, as the chief guest. It ended with the prize distribution ceremony. Mr. Paul Lokho, Chief Operating Officer, North East Rural Livelihood Mission, was the chief guest and he distributed the awards to the winners.

International Women's Day, 8 March 2018

DBIM observed the "International Women's Day" on March 8, during the morning assembly. The chief guests of the event



were all the women staff of DBI, DBIM and Mothers from Kerala. Fr. (Dr.) P. D. John anchored the program where he showcased the power of women through various questions he posed to the male staff and students. Ms. Pinky Sarkar, staff of DBI, delivered the keynote address where she talked about the power of women by citing examples of her mother. Sr. Anna Molly and Sr. Ruth provided their views on what made women so powerful. The celebrations

ended with a song performance by Fr. Paulus Guria, Sr. Anna Molly and Mr. Ravi praising God for the gift of women.

Prajjwal Day, 18 March 2018

The programme started at 10 a.m. on 18th March 2018 with a prayer song and lighting of the lamp formally carried out by the members of Prajjwal amidst the presence of everyone in the programme. Mr. Hrishikesh, the teacher in charge of Prajjwal then welcomed everyone and facilitated the chief guest of the programme Fr. (Dr.) P.D. John (Director of DBIM), Fr. Pojit, and Fr. Paulus. Mr. Alakesh, one of the teacher in charge also spoke about the progress of Prajjwal since its inception and how the neighbourhood kids have grown and progressed with the support from Prajjwal. The programme then started off with various entertaining events performed by the DBIM, DBI and Prajjwal students. These events gave a lot of fuel to the programme as the kids had the best time of their lives singing, dancing, etc. They enjoyed the performances, specially prepared for them, to their



fullest. The kids performed a beautiful Assamese song, and a skit that taught how important moral values are.

These amazing activities finally came to an end with the prize distribution ceremony. The stars of Prajwal were facilitated with gifts. All the participants of the event were given notebooks as gifts. It was an unforgettable experience for all MBA students to get an opportunity to help these less privileged kids.

School of Fundamental and Applied Sciences

North East Astronomers' Meet, 5 – 7 October 2017

A three day meet of North East Astronomers, jointly organized by the University and Inter University Centre for Astronomy and Astrophysics (IUCAA), Pune, was held at St. Anthony's College, Shillong from 5th to 7th October, 2017. The purpose of the meet was to bring together young and highly motivated students, researchers, and college and university teachers of the North- East region, working or intending to take up research in the field of Astronomy and Astrophysics and related topics, on a single platform to simulate discussions and collaborations. The three day meet started at 9:30 am on 5th October 2017 with a very brief inaugural session in which Br. (Dr.) Albert L. Dkhar, Principal, St. Anthony's College gave the welcome speech, Dr. Monmoyuri Baruah, Convener, NEMA III; and HOD, Department of Physics, ADBU, gave an overview of NEMA III and Prof. Ranjeev Misra, IUCAA, explained the aim and objectives of NEMA series.



The meet had five technical sessions comprising a total of 25 talks and 41 participants including faculty members, research scholars and students from different Universities and Colleges of North East India. The universities and colleges included Assam University, Cotton University, Tezpur University, Gauhati University, Manipur University, Rajiv Gandhi University, Indian Institute of Technology, Guwahati, North Eastern Hill University, Hojai College, Assam Don Bosco University.

Workshop on Basic Plasma Physics, 19 – 20 January 2018

A two day workshop on 'Basic Plasma Physics' was organized by the Department of Physics on 19th and 20th January, 2018. The workshop aimed at educating graduate students of North Eastern India about plasma physics and motivating students to take up



career on Plasma Physics. 33 graduate students from eleven institutions along with students of MSc Physics from the University participated in the workshop. Prof. K. S. Goswami, Centre Director, Centre of Plasma Physics –Institute for Plasma Research (CPP-IPR) was the chief guest at the inaugural session and emphasized the importance of the study of Plasma. He said that “It is estimated that 99.999% of the visible universe is in the plasma state. The Sun’s mass makes up over 99.85% of the Solar System., and since it is nearly

all in the plasma state, over 99.9% of the mass of the Solar System is in the plasma state. The visible universe is 99.999% plasma. In the technical sessions of the first day i.e. 19th January 2018, Dr. N. Aomoa, ADBU, gave an introductory talk about plasma which was followed by a talk by Prof. K. S. Goswami about basic approaches to theoretical plasma research. In the afternoon session, the participants visited Centre of Plasma Physics –Institute for Plasma Research (CPP-IPR), Nazirakhat, Sonapur, and explored different laboratories and interacted with the scientist and students of the institute. On the following day, the technical session started by Prof. H. Bailung, Institute for Advanced Studies in Science and Technology (IASST), Gauhati, talk on research in experimental plasma. He also gave a highlight of the research in plasma physics going on at IASST. Dr. B. K. Das, Brahmaputra College, Gauhati gave a talk on Langmuir Probe followed by a lecture on Optical Emission Spectroscopy of Plasma by Dr. N. Aomoa, ADBU. Dr. Bharat Kakati, Assam Science and Technology University, Gauhati, gave a presentation on the applications of plasma physics, with highlights of career prospects in taking up plasma physics in higher studies. The workshop concluded with a valedictory function in which Rev. Fr. Biju Michael, the Registrar interacted with the participants and also distributed the certificates.

IOCL Visit by Department of Chemistry , 26 February 2018

The students and three faculty members Dr Pallabi Borah, Dr. Nibedita Kapil and Mr. Manash Deka from Department of Chemistry had got the chance to visit the 56 year old refinery as part of their industrial visit, to IOCL (Indian Oil Corporation Limited) Guwahati. This visit was organized so as to enhance the knowledge of the students in the field of Quality Control procedures employed by the refinery in manufacture of petroleum and petroleum products. A slide show was presented to the students, explaining the history of the refinery, its unit processes and unit operations dealing with crude oil which is obtained from the upper Assam fields. The present marketing scenario of the Indian Oil Corporation was also presented.



It was learnt that there are about eight major products which are produced by the refinery which include LPG (Indane), Motor Spirit (Petrol), Aviation Turbine Fuel (ATF), Superior Kerosene Oil (KO), High Speed Diesel (Diesel oil), Light Diesel Oil (LDO), Raw Coke and Sulfur. Naphtha and Bitumen being the minor bi-products of the refinery.

Workshop on Numerical Methods using Spreadsheets (WNMS 2018), 10--11 March 2018

A two-day Workshop on Numerical Methods using Spreadsheets (WNMS 2018) was conducted by the Department of Basic Sciences and the Basic Science Club from the School of Technology during 10--11 March 2018. The workshop was held within the

premises of the Don Bosco College of Engineering & Technology (DBCET) at the Azara campus of ADBU. Twenty-five students from different age-groups, courses and streams participated in the workshop.



The purpose of the workshop was to enable students to use simple computations on commonly available spreadsheet software to obtain numerical solutions to diverse problems. In the process, it was

impressed upon the participants that one can indeed perform such essential mathematical tasks in a cost-effective manner, without using any expensive software.

The workshop was set in motion with an illuminating talk on the subject of numerical analysis by Prof Basil Koikara, by the resource person, four technical sessions were conducted, wherein the participants were trained on using Calc for finding roots of an equation, for solving systems of linear algebraic equations, for computing definite integrals and for solving 1st order linear differential equations. The participants were given many example problems whose solutions were demonstrated. They were also provided with exercises for practice. The final laboratory session was set aside exclusively as a practice session, and also for resolving queries.

School of Life Sciences

Invited lectures by two Research Scholars from Gauhati University, 23 September 2017

The first activity of the Department of Zoology, the newly started, was conducted on the 23rd September, 2017 which comprised of two invited lectures by two Research Scholars from Gauhati University, Mr. Nilutpal Mahanta and Ms. Sangeeta Das, followed by an on-campus field study. The talks delivered by the speakers were on “How to Identify Birds in The Wild” and “World of Spiders”. The speakers addressed the students on the techniques on bird watching, bird identification on the basis of bird calls/songs and silhouettes and also introduced the students to the “Xeno-canto” website. The students were also introduced to the diverse world of spiders and also acknowledged their existence as ecologically important entities of our ecosystem. The invited speakers, students, and faculty of the Department embarked on a short field study in the Campus for a brief training on the cataloguing of arachnids and avian species in the Campus.



Bird-Watching trip, 27 January 2018

A Bird-Watching trip was conducted on the 27th January, 2018 during which the diversity of birds in the campus was catalogued. A total of 27 species of Birds were recorded from the Campus.

The National Science Day, which is celebrated every year on the 28th February, was also observed by the Department. The theme for the year 2018 was “Science and Technology for a Sustainable Future”. The day began with the release of the First Wall



Magazine of the Department, which is titled "Spectrum of Life", by the Vice Chancellor, Rev. Fr. (Dr.) Stephen Mavely. The theme of the Wall Magazine revolved around National Geographic's declaration that the year 2018 is the "Year of the Bird".

The National Science Day, 28 February 2018

The National Science Day, which is celebrated every year on the 28th February, was also observed by the Department. The theme for the year 2018 was "Science and Technology for a Sustainable Future". The day began with the release of the First Wall Magazine of the Department, which is titled "Spectrum of Life", by the Vice Chancellor, Rev. Fr. (Dr.) Stephen Mavely. The theme of the Wall Magazine revolved around National Geographic's declaration that the year 2018 is the "Year of the Bird". The morning session included a lecture delivered by Dr. M. Firoz Ahmad on "Science for Conservation of Tiger and other Wildlife" where he addressed the need for Tiger Conservation and the growing impact of encroachment on National Parks. The afternoon hours included a demonstration session of equipment use for accurate Tiger identification and population count.



Field Trip to Manas National Park, 24 - 25 March 2018.

To optimize the classroom teaching the Department of Zoology, Assam Don Bosco University, organized a two-day field trip to the renowned UNESCO World Heritage site "Manas National Park" on the 24th and 25th March, 2018.

The field trip was organized with a view to study community-based ecotourism model where students and faculty were hosted by the volunteers of the "Smiling Tuskers Elephant Camp". The volunteers at the camp site organised a bird watching session to the areas surrounding the camp during which as



many as 56 species of birds were spotted.

The session was followed by three presentations by the volunteers who discussed about the ecological importance of the Park, its diversity in flora and fauna and the significance of community involvement, particularly the youth in conservation efforts. The climax of the trip was the much awaited “Jeep Safari” to the Core Zone of the Park. The students saw birds and animals in their natural habitat including *Elephas maximus* (Indian Elephant), *Bubalus bubalis* (Asian water buffalo), *Trachypithecus pileatus* (Capped Langur), *Macaca assamensis* (Assam macaque), *Hyelaphus porcinus* (Indian Hog Deer), *Muntiacus muntjak* (Barking deer), *Varanus bengalensis* (Common Indian monitor lizard), *Pavo cristatus* (Peacock), *Houbaropsis bengalensis* (Bengal florican), *Buceros bicornis* (Great Indian Hornbil), *Gallus gallus* (Junglefowl)... to name a few.

Assam Don Bosco University has evolved for itself a clear-cut vision that defines its rationale, objectives and approach to excel in teaching, formation of individuals by offering support, making students ready for quality placements at the three vibrant campuses at Tapesia, Azara and Kharguli. The following organizations visited the University Campuses.

Details of campus placement during the year					
On campus			Off Campus		
Name of Organizations Visited	Number of Students Participated	Number of Students Placed	Name of Organizations Visited	Number of Students Participated	Number of Students Placed
<i>ZOLACODE</i>	38	3	<i>ICCI Securities</i>	10	1
<i>TELECOM NETWORK SOLUTIONS</i>	25	18	<i>OYO Rooms</i>	8	0
<i>Makersloft Pvt. Ltd</i>	19	5	<i>XL Dynamics</i>	7	0
<i>Wipro</i>	15	2	<i>Reliance JIO</i>	4	2
<i>Genpact</i>	11	1	<i>Cease Fire</i>	9	1
<i>Garuda Power</i>	15	2	<i>Perfetti</i>	15	0
<i>Topcem</i>	25	3	<i>Northeast Now</i>	14	1
<i>TECH-LATEETUDE</i>	23	6	<i>Karvy Stock Booking Ltd.</i>	13	2
<i>Super Training Academy</i>	33	6	<i>ICICI Prudential</i>	18	6
<i>eNOAH SOLUTIONS</i>	9	1	<i>Topcem Cement</i>	2	1
<i>CSS CORP.</i>	12	1	<i>SM Group</i>	2	0
<i>JACKSON LIMITED</i>	10	1	<i>Oppo Mobiles</i>	4	2
<i>SIQES</i>	17	3	<i>Ernest and Young</i>	7	0

<i>DKD ENTERPRISE</i>	<i>06</i>	<i>1</i>	<i>Pune Institute of Bussiness and Management (PIBM)</i>	<i>2</i>	<i>1</i>
<i>LIBRESOFT PVT LTD</i>	<i>16</i>	<i>3</i>	<i>Bajaj Finance</i>	<i>2</i>	<i>1</i>
<i>ROYAL ENFIELD</i>	<i>35</i>	<i>14</i>	<i>Private High school/college</i>		<i>3</i>
			<i>Book publication company, Ekodus</i>		<i>1</i>
			<i>Pastuer Institute Shillong</i>		<i>1</i>
			<i>Self Employed</i>		<i>2</i>
			<i>Project work in GBP</i>		<i>1</i>
			<i>Training under BCIL in Bangalore</i>		<i>1</i>
			<i>Gems Academia International School Kolkata, Chillibreeze Meghalaya, Assam Project Child , Loreto Convent School , Shillong (Counsellor) Sovereign Health, Mind India</i>	<i>8</i>	<i>6</i>
			<i>Ayushman, Sahayika, Snehalaya, Kripa Foundation, Hope foundation, Project Child, Centre for Peace and Development, Existence, Enlighten Meditation Resort, Child Behaviour Therapy Centre</i>		<i>20</i>
			<i>Volunteering- FIDU Shillong, BIDS, NEEDS Jharkhand, Agra Social Service Society UP, Stepping Stones Center</i>		<i>35</i>

			<i>Bangalore, Christian Brothers Social Works Shillong, Shelter Home MSMHC Shillong, Women Resource Team Shillong, Shalom HVD House Guwahati, Meghalaya Livelihood Mission Tura, Social Service centre, Archdiocese of Shillong, ZEP, Catholic Diocese of Mizoram, Agra Social Service Society, UP, Jaipur Social service society, Rajasthan, Maîtri, Guwahati, Maîtri, Guwahati, Gandhi Ffellowship, Prerana, Jorhat, Chaitanya Institute for Mental Health , Pune</i>		
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Research Updates

The research culture in the university has struck deep roots within the academic community of the university. Following two tables show the honours and recognitions received by teachers (received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the year) and the projects sanctioned by various organisations.

Year of award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
2017	Mr. Arup Baruah	Assistant Professor	NET qualified
2017	Dr. Sarat Kumar Chettri	Assistant Professor	Awarded PHD degree
2017	Dr. Saugata Purkayastha	Assistant Professor	Pursued Research work at Indian Statistical Institute, Kolkata under the fellowship Fast-SF, 2017 offered by Indian Academy of Sciences. (56 day course, May 2017 to July 2017)
2018	Dr. Gypsy Nandi	Assistant Professor	Awarded PHD degree
2018	Dr. Jhimli Kumari Das	Assistant Professor	Awarded PHD degree
2018	Dr. Nabamita Das	Assistant Professor	Awarded PHD degree
2018	Pranjal Sarma	Assistant Professor	Best Poster Award Research Conclave'18, IIT Guwahati

Research funds sanctioned and received from various agencies, industry and other organisations				
Nature of the Project	Duration	Name of the funding Agency	Total grant sanctioned	Amount received during the year
Major Projects	2 years	BRNS, Mumbai	Rs. 16,68,000	Rs. 8,75,875
	3 years	Biotechnology Industry Research Assistance Council, Govt. of India	Rs. 48,75,000	
	3 years	Assam Science Technology & Environment Council (ASTEC), Govt. of Assam	Rs. 2,00,000	
	2 years	Assam Science Technology & Environment Council (ASTEC), Govt. of Assam	Rs. 5,99,100	
	1 year	The Wildlife Conservation Trust (WCT)	Rs. 3,93,800	
Minor Projects	1 year	Assam Science Technology & Environment Council (ASTEC), Govt. of Assam (24 Projects)	Rs. 2,40,000	
Total			Rs. 79,75,900	Rs. 8,75,875

ONGOING RESEARCH PROJECTS:

S/N	PROJECT TITLE	PRINCIPAL INVESTIGATOR	FUNDING AGENCY	QUANTUM (LAKHS)
1	A local audio-system for in-house object detection	Dr. Y. Jayanta Singh	All India Council of Technical Education (AICTE), Government of India	6.80
2	Research Project on "A philosophical understanding of indigenous religious beliefs of North East India"	Dr. Dominic Meyieho	ICPR, Government of India	2.00
3	Design, synthesis and biological properties of novel adamantane-tetrahydropyrimidine/-	Dr. JN Vishwakarma and Dr. L. Indira Singha	DBT-Twinning, Department of Biotechnology, Government of India	41.92

	quinazoline hybrids			
4	Aromatic and medicinal plants project	Dr. JN Vishwakarma	ICAR, Government of India	125.00
5	Strategy development for the applications of biofertilizers into the soil to increase the soil fertility: An efficient way to substitute the hazardous chemical fertilizer application	Dr. Prosun Tribedi	Department of Science and Technology (DST), Government of India	23.20
6	Isolation and characterization of soil microorganisms capable of degrading poly ethylene (PE) and exploration of the underlying mechanism of PE degradation by isolated microorganisms	Dr. Samrat Dey	ASTEC, Government of Assam	3.25
7	Environmental pollution sensing and remediation using green nanotechnology	Dr. Sunandan Baruah and Dr. Supriyo Sen	ASTEC, Government of Assam (2017-continued)	5.99
8	Novel fermentation process for agarwood oil production	Dr. Supriyo Sen	DBT-BIRAC- Biotechnology Ignition Grant, Govt of India (2017-2018)	48.75
9	Synthesis and anti-parasitic activities of quinolone-tetrahydropyrimidine hybrids with special reference to anti-malarial, anti-leishmaial and anti-filarial activities	Dr. JN Vishwakarma and Dr. Renu Tripathi	DBT-Twinning, Department of Biotechnology, Government of India (2016-2019)	89.49
10	An attempt to enhance the propagation of Agar Wood for its sustainability through novel approaches and to promote entrepreneurship in Assam	Dr. Shiny C Thomas and Dr. Supriyo Sen	ASTEC, Government of Assam (2017-2020)	2.00

STATISTICS for 2017-2018

Journal title	Editors
Journal of Northeast Indian Cultures	Dr Dominic Meyieho Assistant Professor, Department of Education
ADB U Journal of Engineering	Prof. Shakuntala Laskar Professor, Department of Electrical and electronics
The Journal of Development Practice	Mr. Jacob Islary Assistant Professor, Department of Social Work
Journal of Applied and Fundamental Sciences	Dr. Samrat Dey Assistant Professor, Department of Physics
Journal of Management in Practice	Mr. Chandan Dutta Assistant Professor, Department of Management

PROGRAMMES OF STUDY

There are currently 12 graduate programmes, 15 post-graduate programmes, and 18 doctoral programmes in the university. The details are given in the chart below:

Sl. No.	Programmes	Degree and Discipline
Undergraduate Programmes		
School of Technology		
1	Bachelor of Technology	BTECH - Civil Engineering
2	Bachelor of Technology	BTECH - Mechanical Engineering
3	Bachelor of Technology	BTECH - Computer Science and Engineering
4	Bachelor of Technology	BTECH - Electrical and Electronics Engineering
5	Bachelor of Technology	BTECH - Electronics and Communication Engineering
6	Bachelor of Computer Applications	BCA - Computer Applications
School of Commerce and Management		
7	Bachelor of Commerce	BCOM
School of Humanities and Social Sciences		
8	Bachelor of Arts	BA – Philosophy
9	Bachelor of Arts	BA – Language Studies
10	Bachelor of Arts	BA – Psychology
11	Bachelor of Arts	BA – Education
12	Bachelor of Arts	BA – Mass Communications
Post Graduate Programmes		
School of Technology		
13	Master of Technology	MTECH - Computer Science and Engineering
14	Master of Technology	MTECH - Electrical and Electronics Engineering
15	Master of Technology	MTECH - Electronics and Communication Engineering
16	Master of Technology	MTECH - Civil Engineering

17	Master of Computer Applications	MCA - Computer Applications
School of Commerce and Management		
18	Master of Business Administration	MBA - Business Administration
School of Humanities and Social Sciences		
19	Master of Social Work	MSW - Social work
20	Master of Arts	MA Education (Educational Leadership)
21	Master of Science	MSC Psychology (Psychological Counselling)
School of Applied Sciences		
22	Master of Science	Physics (Electronics /Nano Science/ High Energy)
23	Master of Science	Chemical Sciences
School of Life Sciences		
24	Master of Science	Biochemistry
25	Master of Science	Biotechnology
26	Master of Science	Microbiology
27	Master of Science	Zoology
Doctoral Programmes		
School of Technology		
28	Doctoral Programme	PHD - Computer Science
29	Doctoral Programme	PHD - Civil Engineering
30	Doctoral Programme	PHD - Electrical and Electronics Engineering
31	Doctoral Programme	PHD - Electronics and Communications Engineering
32	Doctoral Programme	PHD – Mechanical Engineering
School of Commerce and Management		
33	Doctoral Programme	PHD – Management
School of Humanities and Social Sciences		
34	Doctoral Programme	PHD - Social Work
35	Doctoral Programme	PHD - Mass Communication
36	Doctoral Programme	PHD - Language Studies
37	Doctoral Programme	PHD - Comparative Religion
38	Doctoral Programme	PHD - North East India Studies
39	Doctoral Programme	PHD – Philosophy
40	Doctoral Programme	PHD – Education
41	Doctoral Programme	PHD -Psychology and Counselling
School of Applied Sciences		
42	Doctoral Programme	PHD – Physics
43	Doctoral Programme	PHD - Chemical Sciences
44	Doctoral Programme	PHD – Mathematics
School of Life Sciences		
45	Doctoral Programme	PHD – Biotechnology

STUDENT DISTRIBUTION

On Campus

Sl. No.	Department	Bachelor's Programmes			Master's Programmes			Doctoral Programme			Total
		M	F	Total	M	F	Total	M	F	Total	
1.	Electronics and Communication Engineering	39	18	57	4	5	9	6	7	13	79
2.	Electrical and Electronics Engineering	74	30	104	4	3	7	2	4	6	117
3.	Computer Science and Engineering and Information Technology	267	88	355	55	34	89	12	9	21	465
4.	Mechanical Engineering	168	8	176	-	-	0	1	0	1	177
5.	Civil Engineering	176	90	266	14	14	28	3	1	4	298
6.	Management	-	-	0	22	55	77	22	6	28	105
7.	Social Work	-	-	0	21	106	127	21	12	33	160
8.	Psychology and Counselling	13	35	48	12	31	43	5	2	7	98
9.	Mass Communication	13	10	23	4	5	9	4	4	8	40
10.	Education	5	5	10	15	6	21	4	4	8	39
11.	Physics	-	-	0	11	23	34	7	2	9	43
12.	Life Sciences	-	-	0	29	78	107	8	11	19	126
13.	Commerce	76	36	112	-	-	0	-	-	0	112
14.	Chemical Sciences	-	-	0	12	23	35	1	5	6	41
15.	Mathematics	-	-	0	-	-	0	1	2	3	3
16.	Language Studies	20	30	50	-	-	0	1	5	6	56
17.	North East India Studies	-	-	0	-	-	0	19	12	31	31
18.	Comparative Religion	-	-	0	-	-	0	7	3	10	10
19.	Philosophy	39	3	42	-	-	0	1	0	1	43
	TOTAL	890	353	1243	203	383	586	125	89	214	2043

GRADUATING STUDENTS

PROGRAMMES	Degree	MALE	FEMALE	TOTAL
Bachelor of Technology (Civil Engineering, Computer Science Engineering, Electrical and Electronics Engineering, Electronics and Communications Engineering, Mechanical Engineering)	B.Tech	169	43	212
Master of Technology (Civil Engineering, Computer Science Engineering, Electrical and Electronics Engineering, Electronics and Communications Engineering)	M.Tech	16	25	41
Master of Business Administration	MBA	18	16	34
Master of Computer Applications	MCA	9	11	20
Master of Social Work	MSW	19	35	54
Master of Science in Psychology (Psychological Counselling)	M.Sc Psychology	1	8	9
Master of Arts in Human Rights (Child Rights and Development)	MA Human Rights	3	2	5
Master of Arts in Education (Educational Leadership)	MA Education	1	6	7
Master of Arts in Mass Communication (Convergent Media and Technologies)	MA Mass Communication	2	2	4
Master of Science in Physics	M.Sc Physics	7	6	13
Master of Science in Life Sciences (Biotechnology, Biochemistry, Microbiology)	M.Sc	3	11	14
PhD		3	3	6
TOTAL		251	168	419

GOLD MEDALISTS

S. No	Programme	Student ID	Name	CGPA
1	B.Tech- Computer Science Engineering	DC2013BTE0020	Rachael George	9.1
2	B.Tech- Electrical and Electronics Engineering	DC2013BTE0072	Ananya Bhattacharyya	8.66
3	B.Tech- Electronics and Communications	DC2013BTE0265	Sneha Nath	9.38
4	B.Tech- Civil Engineering	DC2013BTE0041	Diraksh Rahman	9.04
5	B.Tech- Mechanical Engineering	DC2013BTE0119	Abhijit Boruah	9.06
6	M.Tech- Computer Science Engineering	DC2015MTC0009	Sweta Bhadra	8.46
7	M.Tech- Civil Engineering	DC2015MTC0013	Mriganka Sarma	8.63
8	M.Tech- Electrical and Electronics Engineering	DC2015MTC0049	Sebina Yesmin	8.68
9	M.Tech- Electronics and Communications	DC2015MTC0033	Deepti Lourembam	8.79
10	Master of Computer Applications MCA	DC2014MCA0008	Regina Nongkynrih	8.26
11	MA Education	DU2015MEL0002	Shanta Jamra	8.16
12	Master of Social Work	DU2015MSW0002	Molly Mathew	8.5
13	MSc. Psychological Counselling	DU2015MPC0004	Valarie Dondor Nongkynrih	8.24
14	MSc-Life Sciences	DU2015IMP0006	Farheez Rafique	8.89
15	MSc Physics	DC2015MSP0002	Narzima Parveen	8.89
16	Master of Business Administration	DI2015MBA0026	Russell Gabriel Pariat	9.21

Chancellor's Gold Medal for most significant contribution to campus life (PG): Amar Kujur, Master of Business Administration

Vice Chancellor's Gold Medal for most significant contribution to campus life (UG): Rachael George, B.Tech- Computer Science Engineering

TEACHING STAFF

NUMBER OF FACULTY	MALE	FEMALE	TOTAL
Professors	23	3	26
Associate Professors	15	9	24
Assistant Professors	62	45	107
TOTAL	100	57	157*

*174 including adjunct and visiting faculty

NON TEACHING STAFF

NUMBER OF STAFF	MALE	FEMALE	TOTAL
Senior Administrative Staff	18	3	21
Library Staff	3	3	6
Office Staff	4	1	5
Technical Staff	25	3	28
Service Staff	14	21	35
TOTAL	64	31	95

**ANNEXURE (A) TO ANNUAL REPORT OF ASSAM DON BOSCO
UNIVERSITY 2017-18**

Number of professional development / administrative training programs organized by the institution for teaching and non-teaching staffs

Sl. No.	Dates (from-to) (DD-MM-YYYY)	Title of the professional development program organised for teaching staff	Title of the administrative training program organised for non-teaching staff	No. of participants
1	10-07-2017 to 16-07-2017	Mind Mapping...developing a culture of innovation	Mind Mapping...developing a culture of innovation	115
2	12-08-2017 to 13-08-2017	Workshop on Learning Disabilities and Remedial Education, organised by the North East Counsellors' Association (NECA) hosted by the department of Psychology and Counselling		35
3	30-10-2017 and 05-10-2017	Orientation to Neuropsychology Research by Professor Roberto Raverra and Dr. Martina Ardizzi, University of Perma		7
4	10-01-2018	Orientation programme on Palliative Care consciousness by Dr. Sanghamitra Bora, who is a specialist in Palliative Medicine presently employed as Consultant in Palliative Oncology with North East Cancer Hospital & Research Institute, Jorabat, Guwahati		7
5	29-01-2018 to 02-02-2018	AMAZING NANO-2018		15
6	30-01-2018	Palliative Care Consciousness		30
7	09-02-2018	Recent Trends in Nanobiology		10

8	13-02-2018	Orientation to Holistic and Transformational Psychotherapy by Dr. Gaurav Deka, Cognial Healers Academy, Guwahati		6
9	23-02-2018 to 28-02-2018	VALUING SELF-REFLECTION...for transformation	VALUING SELF-REFLECTION...for transformation	115
10	02-03-2018	Teacher-Student relationship and Behaviour		15
11	24-03-2018	Income Tax Returns Made Easy : A workshop on e-filing		15
12	27-04-2018 to 30-04-2018	Mental Health and Social Work Practice		20

**ANNEXURE (B) TO ANNUAL REPORT OF ASSAM DON BOSCO
UNIVERSITY 2017-18**

Number of teachers who had undergone online/face-to-face Faculty Development Programmes (FDP) (Professional Development Programmes, Orientation / Induction Programmes, Refresher Course, Short Term Course etc.)

Sl. No.	Name of teacher who attended	Title of the program	Duration (from – to) (DD-MM-YYYY)
1	Saibal Sengupta	Scientific and Indigenous bio cultural knowlodge in understanding climate change in biodiversity hot spots	27-07-2017 to 28-07-2017
2	Dr Vikramjit Kakati	NPTEL FDP on Applied Ergonomics	07-2020 to 10-2020
3	Hemashree Bordoloi	Two week AICTE approved FDP on Foundation Program in ICT for Education conducted by IIT Bombay Organised at Don Bosco College of Engineering & Technology, Guwahati	03-08-2017 to 07-09-2017
4	Dr. Subra Mukherjee	FDP in ICT for Education	03-08-2017 to 07-09-2017
5	Karen Das	FDP in ICT for Education	03-08-2017 to 07-09-2017
6	Bikash Agarwal	Faculty Development Program on “Foundation program in ICT for Education” conduction by Indian Institution of Technology, Bombay under the ages of Pandit Madan Mohan Malaviya National Mission for Teachers and Teaching (PMMMNMTT), MHRD, Govt. of India.	03-08-2017 to 07-09-2017
7	Samar Jyoti Saikia	Two week AICTE approved FDP on Foundation Program in ICT for Education conducted by IIT Bombay Organised at Don Bosco College of Engineering & Technology, Guwahati	03-08-2017 to 07-09-2017
8	Mriganka Gogoi	FDP on Pedagogy for Online and Blended Teaching-Learning Process-FDP201x	14-09-2017 to 12-10-2017
9	Dr. Subra Mukherjee	FDP on Pedagogy for Online and Blended Teaching-Learning Process-FDP201x	14-09-2017 to 12-10-2017
10	Samar Jyoti Saikia	Two week AICTE approved FDP on “Pedagogy for online and blended teaching learning process” conducted by IIT Bombay	14-09-2017 to 12-10-2017

		Organised at Don Bosco College of Engineering & Technology, Guwahati	
11	Bikash Agarwal	Faculty Development Program on "Pedagogy for online and Blended Teaching-Learning Process" conduction by Indian Institution of Technology, Bombay under the ages of Pandit Madan Mohan Malaviya National Mission for Teachers and Teaching (PMMMNTT), MHRD, Govt. of India.	14-09-2017 to 12-10-2017
12	Hemashree Bordoloi	Two week AICTE approved FDP on "Pedagogy for online and blended teaching learning process" conducted by IIT Bombay Organised at Don Bosco College of Engineering & Technology, Guwahati	14-09-2017 to 12-10-2017
13	Bikramjit Goswami	AICTE Workshop on Technology Enablement of North East	02-11-2017 to 05-11-2017
14	Gypsy Nandi	UGC-HRDC, Guwahti University- Orientation programme	04-12-2020 to 31-12-2020
15	Rup Kumar Deka	GIAN Course on When Good Algorithms Yield Bad Software	20-11-2017 to 24-11-2017
16	Dr Yumnam Lokeshwor Singh	DBT-HRD Gov. of India sponsored training course on "Three months National traning in Molecular biology and Biotechnology for Fisheries professionals" at ICAR-Central Instritute of Fisheries Education, Mumbai	11-12-2017 to 09-03-2018
17	Parismita A Kashyap	Faculty Development programme on "RF Design" (National)	17-12-2017 to 22-12-2017
18	Pranjal Sarma	12 Week NPTEL online course on Introduction to Mechanical Micro Machining	01-2018 to 04-2018
19	Kaustubh Bhattacharyya	AMAZING NANO-2018, One week National workshop on Nanotechnology, organized jointly by Center of excellence in Nanotechnology and department of ECE, School of Technology, Assam Don Bosco University, in collaboration with Tezpur University and IIT Guwahati and supported by STPI and NIELIT	29-01-2018 to 03-02-2018
20	Pallav Gogoi	Nanotechnology "Amazing NANO 2018"	29-01-2018 to 03-02-2018
21	Parismita A Kashyap	Workshop - AmazingNANO (National)	29-01-2018 to 03-02-2018
22	Karen Das	Workshop - AmazingNANO (National)	29-01-2018 to 03-02-2018

23	Bhavna Baroowa	NPTEL online certification course on Cell Culture Technologies	02-2018 to 04-2018
24	Himadri Kalita	NPTEL online certification course on Cell Culture Technologies	02-2018 to 04-2018
25	Supran Chakravarty	TEQIP FDP - Short Term course on "Advanced Computing Tools in Civil Engineering" organised by IIT Kharagpur	05-03-2018 to 09-03-2018
26	Bikramjit Goswami	FDP on 'Foundation Program in ICT for Education'	08-03-2018 to 12-04-2018
27	Pallav Gogoi	AICTE approved FDP on Foundation program in ICT for education	08-03-2018 to 12-04-2018
28	Pallav Gogoi	AICTE approved FDP on Pedagogy for online and Blended teaching learning process	03-05-2018 to 30-05-2018
29	Pallav Gogoi	IIT Bombay X online FDP on Elements of learner centric MOOCs	03-05-2018 to 30-05-2018
30	Samar Jyoti Saikia	Two weeks FDP on Texas Instruments Tiva-C series Microcontroller & IoT Design Organised by Department of Electronics and Communication Engineering, Assam Don Bosco University and Innovation Systems Plus, Bengaluru	04-06-2018 to 16-06-2018
31	Hemashree Bordoloi	Two weeks FDP on Texas Instruments Tiva-C series Microcontroller & IoT Design Organised by Department of Electronics and Communication Engineering, Assam Don Bosco University and Innovation Systems Plus, Bengaluru	04-06-2018 to 16-06-2018
32	Parismita A Kashyap	Workshop on Texas Instruments- Tiva-c series microcontroller and IOT Applications Design (National)	04-06-2018 to 16-06-2018
33	Kaustubh Bhattacharyya	Two weeks "Summer Internship Programme on Embedded System: Texas Instruments- Tiva-c Series microcontroller & IoT Application Design", organized by the Department of ECE, School of Technology, Assam Don Bosco University in collaboration with Innovation Systems Plus, Bengaluru.	04-06-2018 to 16-06-2018
34	Tanvira Ismail	Two Weeks FDP on Embedded Systems, ADBU and Innovation Systems Plus	04-06-2018 to 16-06-2018
35	Karen Das	Two Weeks FDP on Embedded Systems, ADBU and Innovation Systems Plus	04-06-2018 to 16-06-2018
36	Harajit Das	AICTE -ISTE approved FDP on Recent trends in energy sector with special emphasis on north east	18-06-2018 to 23-06-2018

37	Pallav Gogoi	AICTE -ISTE approved FDP on Recent trends in energy sector with special emphasis on north east	18-06-2018 to 23-06-2018
38	Dr Nibedita Kapil	NPTEL-AICTE FDP on Advanced Chemical Thermodynamics and Kinetics	06-2020 to 10-2020
39	Leena Nemade	NPTEL-AICTE FDP on Fundamentals of Surface Engineering	06-2020 to 10-2020