

SPARK



A Newsletter for Don Bosco University family, alumni and friends

Volume 9 | Issue 2 | 2017



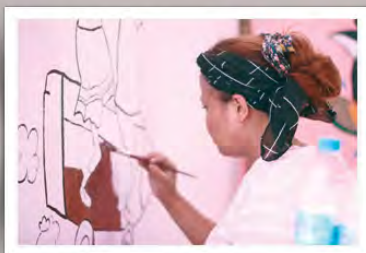
Carpe Diem! ... and start living all the days of your life!

... every morn agog with a fresh new resolve - to strive, to seek, to find!
... every moment alive with an urge, an itch - to create, to fashion, to bring into being!
... every turn spotting a vista, a summons, a challenge - to walk the path less trod!

Carpe Diem! ... and may you live all the days of your life!



12b Certification for the University



International Student Exchange Programme



Adult Education for Village Women



Summer Workshops

Message from the Vice Chancellor

There is a plaintive wistfulness in Tagore's poem from the Gitanjali 'The song I came to sing' – a melancholic acceptance that what could have been ('the song that I came to sing') will never see the light of day because he spent his days 'in stringing and in unstringing his instrument'!

*The song that I came to sing remains unsung to this day.
I have spent my days in stringing and in unstringing my instrument.
The time has not come true, the words have not been rightly set;
only there is the agony of wishing in my heart.*

'The song' will never be sung, the unique contribution that he could make as a unique individual will remain in the realm of what could have been... because 'the time has not come, the words have not been rightly set'... Only 'the agony of wishing' remains!

There is a wonderful parallel to this thought of Tagore in Don Bosco's oft-quoted insight, "The 'best' is the enemy of the 'good'".

Those who wait for 'the best' to accomplish anything – the right time, the perfect words, the appropriate setting, a congenial company, the precise mood... - will always keep passing up the scores of opportunities that come their way to do 'the good' that is within their grasp all the time...

Our theme for this academic year is prompted by this daily call to be alive, to be alert, to keep seeking the call of opportunity. It is the call that is emblazoned on our coat of arms to 'seize the day' ('Carpe Diem' in Latin which is also translated as 'grab the day'). The theme juxtaposes it against a quote from Jonathan Swift, the British Satirist of the 18th Century, the author of Gulliver's Travels, that reads more like a wish: 'May you live all the days of your life!'

It sounds odd to wish a person 'may you live all the days of your life'...

On closer examination, it is not that strange after all - how many of us 'actually live' all the days of our lives?

We exist, but do we really live?

Here is the theme spelt out:

Carpe Diem!

... and start living all the days of your life!

... every morn agog with a fresh new resolve - to strive, to seek, to find!

... every moment alive with an urge, an itch – to create, to fashion, to bring into being!

... every turn spotting a vista, a summons, a challenge - to walk the path less trod!

... and, may you live all the days of your life!



It is about being alive and alert, and seeing and seeking every opportunity

*to create, to fashion, to bring into being...
to suck the essence out of every experience...
to think and to carry through your thoughts...
to end every single day with a sense of joy
that you really lived that day...*

It is a wonderful way to live!!

The word journey originally meant the 'the distance travelled in a day': a journey becomes a pilgrimage as we discover, day by day, that the distance travelled is less important than the experience gained.

"When you're on a journey, and the end keeps getting farther and farther away, then you realize that the real end is the journey," (Joseph Campbell in his book 'The Hero's Journey').

'The real end is the journey!'

Enjoy the journey, every step of the way, every day of your life!

May you live all the days of your life!

**- Fr Stephen Mavely
Rector & Vice Chancellor**

12b Certification for the University

The University has crossed yet another mile as the University Grants Commission has granted the 12b Status to the University 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.



Staff Development Programme



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, focussed 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, Mr. Dutt said, "Innovators do not shy away from choices. They are inspired by their world; so, they grab and apply what they can. As human beings, we were all born with innovative ideas – as kids, we were innovators; but somehow we lost those innovative ideas as we grow up".

The programme included various mind mapping activities to show the participants how easy we miss things we are not looking for. Mr. Dutt showed video clips and pictures during observational counting test. To make participants understand various modes of thinking, the programme also covered Proactive, Generative, Reactive, Selective and Analytical Thinking.

Mind Mapping has been successfully used in education. John Hopkins University, Baltimore, USA propounds that visual mind mapping ideas help communicate with students by creating an engaging experience that is more memorable.

Innovation is the celebration of creativity

- Dr. APJ Abdul Kalam



MoU signed with IIT-Guwahati

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 to do their summer internship at there. In addition, both parties agreed to collaborate in research at various levels.



MoU with NESAC

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.

Both parties, 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 in the presence of Prof. Manoranjan Kalita, Director, School of Technology, ADBU; Prof. Sunandan Baruah, HoD, Department of Electronics and Communications, ADBU; Dr. Bijoy Krishna, Scientist Engineer; Mr. Avaneesh Shukla, Administrative Officer; Mr. Ramani Das, Scientist Engineer; Dr. K. K. Sharma, Scientist Engineer; Dr. Dibyajyoti Chutia, Scientist Engineer from NESAC.

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

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



It was a month long programme where the student volunteers from both the Universities 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 were:

- 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’.

DBU mentors Social Work Education in Bhutan

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.

University Team Bagged Fourth Prize in nationwide Smart India Hackathon

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 led by Abhijit Matak had Siva Agarwal, Dipandita Saikia, Noel Rittick Bar, Khagen Borah, Raj Kr Bhakat as its members and Ms Bobby Sarma and Ms Gypsy Nandi as its mentors.

Adult Education for Village Women

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 Mavelly; 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. Classes will be conducted on every Thursday at 11:00 a.m. 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.

International Yoga Day Observed

Assam Don Bosco University celebrated the International Yoga Day at two of its campuses in a truly international manner.

Tapesia Campus

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 student volunteer programme is a collaborative effort between University College of Dublin, Ireland and the Department of Social Work, Assam Don Bosco University to bring participatory development to the villages surrounding the campus. 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.



Kharguli Campus

The international Yoga Day was celebrated at the Kharguli Campus 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. All those who participated in the events appreciated the sessions and expressed their desire to have such events organised in the future.

Mason Training – Swabalamban

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 main objective of this programme was to enhance theoretical knowledge and practical skills of unskilled labourers who are interested in pursuing civil engineering construction work as a means of livelihood. Six persons from the vicinity of Azara campus participated in the programme.



Mr. Ankur Goswami and Mr. Gitartha 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 which need to be conducted in the field of civil engineering construction. Md. Sukur Ali, a renowned mason from Azara contributed in the programme as a trainer to the participants. He gave elaborate practical insights into preliminary construction activities like brick work, plastering, bar bending, concreting etc.

Summer Workshop - STCESDA 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.



Speaking at the inaugural ceremony of the workshop, Fr. Joseph Nellanatt, Pro VC, ADBU, encouraged and praised the department for organizing such summer programmes successfully every academic year. He emphasized the importance of such workshops as this helps the students to be industry-ready. The STCESDA 2017 was a joint initiative of the Department of ECE along with Sciencetech Technologies Pvt. Ltd.

"During this workshop we want to familiarize the students with basic electronic components and devices, Embedded Systems and its related applications, provide hands-on skills on Circuit Simulation and PCB design, Programming using MATLAB, Familiarization and Application Development with LabVIEW and introduction to industrial instrumentation." said Prof. Sunandan Baruah, the Coordinator of this short term course and the Head of the Department of Electronics and Communication Engineering.

28 participants from different universities such as Bharat University, Chennai, Gauhati University and ADBU with a background in electronics attended the workshop. The resource persons in the workshop were faculty members of the Department of Electronics and Communication Engineering, ADBU; Engineers from Sciencetech Technologies Pvt Ltd and IIIT Guwahati. The Sciencetech Engineers conducted their sessions online as well as through classroom interactions giving the students an idea on circuit simulation, PCB design, TINA software, IoT etc. The rest of the topics were covered by the faculty members of ECE department and experts from IIIT Guwahati.

Summer Workshop - AutoCAD

The Dept. of Civil Engineering successfully conducted a Summer Workshop on Drafting Software- AutoCAD. 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.

The programme was organized for the 4th Semester students of Civil Engineering Department and coordinated by Asst. Prof. Supran Chakravarty.

Summer Workshop - NSIIAAD 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 Useense 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. Monjyoti Das, PhD scholar, Gauhati University delivered lectures on Internet of Things. Mr. Bapi Das from Useense 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 Allstate, Dailyhunts (Verse Innovation Pvt. Ltd.) etc. The workshop was attended by forty participants.

Symposium on Impact of Climate Change

The Department of Civil Engineering organized a 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 dealt upon various morphological features of Brahmaputra and gave an insight into 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 took 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. He preferred multipurpose reservoir projects as such projects are more economical as they serve different purposes.

The purpose of the conference was to raise awareness amongst the participants about climate change, the challenges and risks it presents and finally the opportunities that can be explored with respect to the hydrology of the mighty Brahmaputra. As such, the symposium provided the participants with 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.

An interactive session was also held after the symposium where the experts shared their views and suggestions. Students, research scholars and environment enthusiasts of Civil Engineering Department from Don Bosco University and IIT Guwahati participated in the symposium.

Symposium on 'Next G Communication - Are we ready?'

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. Prof. Bhattacharjee traced its history beginning with Marconi's early experiments in Wireless Technology. He also spoke on the various harmful effects of battery technology used in smart phones. He focused on the current requirements/standards of LTE and discussed about the main pillars of 5G Technology. Prof. Bhattacharjee concluded his talk by giving an overview of 5G architecture where each component will be connected through 3D MIMO.

The second talk was delivered by Dr Bidisha Dasgupta, Dept. of ECE, Indian Institute of Information Technology, Guwahati on the topic "Dielectric Resonator Antenna" while the third talk of the symposium was of 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; and said that he is certain about seeing Guwahati develop into a Smart City in the near future.

This was followed by a panel discussion by a team of experts from academia and industry on the topic "NEXT G Communication- Are we Ready?" The panelists were 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. The team of expert panelists also addressed the queries of the students on the topic. Prof. Sunandan Baruah, Head, ECE, SoT, ADBU 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'.

Visit to Frankfurt University of Applied Sciences

Dr. Riju Sharma, Director, School of Humanities and Social Sciences visited the Frankfurt University of Applied Sciences in the month of June as a guest faculty with a view to explore possible areas of collaboration between the two universities. The visit opened up discussions on Faculty Exchange, Students' Internships and Joint Research.

She also visited the European Council in Strasbourg as a part of the study tour of the students of the university where they interacted with the Officials and also attended a session each on the role and responsibilities of the Committee on the Prevention of Torture(CPT) and Group of Experts on Action against Trafficking in Human Beings (GRETA).



Inter-College Quiz Competition

Inter College Electrical Quiz Competition was organized by the Department of Electrical and Electronics Engineering on 22nd April, 2017.

The main objective of the event was to popularize Electrical and Electronics Engineering amongst the students and to motivate them to take up electrical engineering. Mr. Jyoti Kumar Barman, Assistant Professor of the Department was the quizmaster.

A total of 17 teams from different engineering colleges and universities participated in the competition, out of which six teams were selected for 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 Guwahati 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.

Workshop on Android Apps by Google

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.

RESEARCH PULSE

This period saw intense research activities involving research proposal presentations leading to registration, PhD Pre-submission seminars, thesis submission and Viva Voce examinations leading to award of PhD degree.

Proposal Presentation and Registration for Ph.D.: Fourteen of our research scholars successfully presented their research proposals and applied for registration:

1.	Rajani K. Chhetri	Mass Communication
2.	Augustine Anil Kujur	Comparative Religion
3.	JD Herembeswar Basumatary	North East India Studies
4.	Talluri Ujwala Raj	North East India Studies
5.	David Marbaniang	Management
6.	Aparup Sharma	Management
7.	Samuel Thongru	Comparative Religion
8.	Marley Boniface Paul	Computer Science Engineering
9.	Joe Prabu	Social Work
10.	Joy Francis	Comparative Religion
11.	Jessy MJ	Social Work
12.	Sonali Chakraborty	Education
13.	Rosna Raj	Physics
14.	Thumchuichan Raman	Psychology

Ph.D Pre-Submission Seminar: Rashi Borgohain, a research scholar of the Department of Electronics and Communication Engineering presented her PhD Pre-Submission Seminar on her thesis entitled, “Developing semi-conducting nanomaterials for environmental sensing”

PhD Thesis Submission: The following research scholars submitted their theses for examination:

1.	Michael Kolb	North East India Studies
2.	Rachel Kabi	Social Work
3.	S. Xavier	Social Work
4.	Daino Basumatary	Social Work
5.	Shalu	Computer Science Engineering
6.	Lydia Booney Jyrwa	Biotechnology

Ph.D Viva Voce Examination: A.Husca and Shajymon ML of the Department of North East India Studies and Terence Mukhia of the Department of Comparative Religion went through Viva Voce Examinations and ably defended their theses.

Infrared Spectrophotometer (FR-IR) Installed.: Organic Research Laboratory of the University purchased and installed an FR-IR spectrophotometer (PerkinElmer USA) under a research project of the Department of Biotechnology (DBT, Government of India) being executed in collaboration with the Central Drug Research Institute, Lucknow.

