

SPARK



Don Bosco University Newsletter

Volume 4| Issue 4| 2012



Celebrating a Milestone... The First Convocation of the University

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About 600 students from 20 Colleges participated in the Annual Technical Fest organized by DBCET



Ph D Course work of the 2012 Session concluded with the final registration of Scholars



Preparations are underway for NABSET 2013 - the second National Conference in the series

From the Desk of the Vice-Chancellor

A month ago, I was asked to preside over a workshop on 'Indigenous Resource Management' – an opportunity that made me reflect on issues such as how earlier societies looked upon access to and use of resources as inevitably tied to the overall good of the community, the regenerative power of nature and the maintenance of ecological balance. In this last issue of 'Spark' for this year, I thought I would share my reflections with you.

Let me put these thoughts in the shape of ideas that appealed to me from a book and a movie that deeply impressed me with images from the past when life was simpler, when individual needs were subservient to the common good, when men and women considered themselves 'stewards' of the earth and its resources rather than 'masters' of the world... The book is called 'The Education of Little Tree' by Forrest Carter, and the movie is called 'For the Next 7 Generations... Grandmothers Speak', a documentary that was released in 2009 and has since become a classic.

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'The Education of Little Tree' by Forrest Carter is a gem of a book that describes the life of the Cherokee Indians in North America. 'Little Tree' is the name of a young boy whose parents had died, and who was brought up by his grandparents, up in the mountains, and taught the 'The Way' – how the Cherokee Indians lived a life totally in tune with nature, respecting it, taking from it only what they needed, reading the signs and merging their lives and their wants with the seasons.

Then came the white man who knew only the way of dominance and exploitation, of trade and commerce. They destroyed their lives, took away their lands, forcibly kept their children in boarding homes to 'educate' them, gave them an alien religion, laughed at the cumulative wisdom of their past that they always referred to as 'the Way'... But through it all, the grandma and the grandpa saw to it that Little tree was tutored in the ways of the Cherokee, for they said, "If ye don't know the past, then ye will not have a future. If ye don't know where ye people had been, then ye don't know where ye people are going"... a marvellous little book about a way of life that matched wants and needs with the resources of nature, that tempered the tendencies of individual greed and waste with the wisdom and needs of a community, that nurtured and respected the earth even as it took from it sustenance, but a way of life that was snuffed out eventually... A nostalgic picture of a simpler time with limited wants...

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A related thought comes from a documentary, released in 2009, entitled 'For the Next 7 Generations... Grandmothers Speak'. It is a movie that tells the story of 13 Indigenous



Grandmothers from all around the world who came together to help create a new way of life that will bring the planet back into balance before it's too late.

How they came together is a story in itself... However, I am not going into it now. What matters is that in the last several years, they have become teachers and icons who are galvanizing and uniting a rapidly emerging global movement. They are awakening people to the urgent need for change if we are to survive on this planet. It is significant that they are not using fear as a weapon. They are, on the contrary, offering hope. They point out that by going back to the ancient and time-proven earth-based traditions and practices of indigenous people, men and women will be able to break away from destructive habits and make the changes necessary for the survival of the human race.

'Seven generation sustainability' is an ecological concept that urges the current generation of men and women to live sustainably and work for the benefit of the seventh generation into the future. It originated with the Iroquois Indians who were mandated by their 'Great Law' to think seven generations ahead whenever they were called upon to make significant decisions. They were to consider the impact of their lawmaking and see whether the decisions they make would benefit their children seven generations into the future.

As disaster management preparedness and drills begin to eat into our resources, and as the occurrence of natural disasters repeatedly draw our attention to the changing climatic conditions, maybe it is time we heeded the age-old wisdom of our predecessors.

*** **

The semester, the year is drawing to a close. Soon you will be leaving for your homes for a well deserved rest. Let me wish you an abundance of peace and joy this Christmas and the continued blessings of God in the coming year.

Fr Stephen Mavelly SDB
Vice Chancellor



Celebrating Success *University's First Convocation Ceremony*



Assam Don Bosco University had its first convocation ceremony at its exquisite state-of-the-art campus on Airport Road, Azara - Guwahati, September 19, 2012. His Excellency, Shri. Janaki Ballav Patnaik, Governor of Assam, Shri. Tarun Gogoi, Honorable Chief Minister of Assam and Shri. T. K. A. Nair IAS, Adviser to the Prime Minister of India, attended the glittering function along with many other dignitaries from prominent academic institutions, political and religious organizations. The presence of the parents of graduating class was so visible.

207 graduates were conferred Bachelor's Degree in Electronics and Communications Engineering, Computer Science and Engineering, Electrical and Electronic Engineering and Information Technology Engineering. 72 other students were conferred Master's Degree in Computer Application and Business Administration.



Commenting on the significance of the event, His Excellency, Shri Janaki Ballav Patnaik said, "This colourful convocation of the university sends the message that the university has come to stay in the field of higher education in the state of Assam with its immense potential for growth and excellence." He reminded the graduating students of the importance of remaining true to their values and traditions and he said, "As you start to go out and explore a brand new world, I would like to remind you, never to forget your roots, the place where you've come from. You belong to this land and this land belongs to you."

Shri Tarun Gogoi, Chief Minister, in his speech commented on the visible signs of the university's growth and said, "This

is the first private sector university in Assam and I want it to be an example to the region, country and the world." He urged the graduating students saying, "You have been given wings to fly, to live a life independent. Every decision you make along the way will have a direct impact on your life, so learn to make decisions wisely."

Shri T. K. A. Nair in his convocation speech expressed his happiness over the overwhelming response which the University has received from the Government and the society. He appreciated the Don Bosco Society which has taken initiatives in various sectors, especially in the educational front and technology development. He congratulated the students and wished them every success in their endeavor



to live a life of dignity, sharing the values and aspirations of the emerging young India.

Emphasizing importance of the occasion, Fr. V.M. Thomas, Chancellor said, "Today is a touchstone event in your life, a day filled with pride for what you have accomplished – appreciation for the sacrifices made to reach this pinnacle and anticipation of the limitless, wide-open horizons of opportunities that await." He challenged the students to become instruments of change to impact the world around saying, "Nothing great has been achieved except by those who dared to believe that there is something in them superior to circumstances. I am sure you have it in you to change the world around you."

Vice Chancellor, Fr (Dr) Stephen Mavely, extended a warm welcome to the august gathering and gave a brief account of the establishment and growth of the University. Calling the attention of the graduating students Dr. Mavely said, "As a University, we can confidently tell any potential employer about you that, yes, here you have a batch of graduates who

are not just employable, but who, more importantly, are dependable human beings armed with a new mindset; and who, apart from the quality of their learning, have it in them to retool themselves with new skills, and a vibrancy to make lifelong learning the constant companion of their lives."

He concluded extending his heartiest wishes to all graduating students and he said, "With pride in your achievements, with confidence in your abilities, and with our prayers to accompany you, we wish you every success in the years ahead. As you graduate today, let me wish you God's blessings as you begin to navigate your unique, individual careers – definitely a much harder task today than in our time."

The students of MBA batch of 2011 were also conferred their master's degree alongwith the MBA, MCA and B.Tech batches of 2012. Mr. Nayanjyoti Sarmah and Mr. Mewanshwa Nongrum were awarded the Julhash Ali Cash award of Rs.50,000.00, each for their academic excellence, community service and co-curricular activities.



Gold Medal Winners at the Convocation

MBA 2011	:	Prakriti Sharma
MBA 2012	:	Subhrojyoti Dutta
MCA 2012	:	Subir Paul
B. Tech. 2012 (Computer Science and Engineering)	:	Lina Boruah
B. Tech. 2012 (Information Technology)	:	Shazzadul Hussain
B. Tech. 2012 (Electrical and Electronics Engineering)	:	Madhushruti Sharma
B. Tech. 2012 (Electronics and Communication Engineering)	:	Purnima Kumari Sharma
The Chancellor's Gold medal	:	Purnima Kumari Sharma
The Vice Chancellor's Gold medal	:	Arpit Das

The Assam Don Bosco University, was set up by the Don Bosco Society, and it started with four courses in Engineering and technology in 2008. Today the University has five Schools: School of Technology, School of Religion and Culture, School of Social Sciences, School of Applied Sciences and School of Commerce and Management, conducting six undergraduate programmes, seven post graduate programmes, and doctoral programmes in eight disciplines.

The university has over 1500 students in its campus programmes, over 600 of them avail hostel facilities. It's On-line and Distance Education wing, called DBU Global, has over 1000 on-line students pursuing a variety of study pro-

grammes in Management and Information Technology.

A unique feature of the university is its North-East India Outreach Programme that offers full scholarship to 1000 students from North-East India to pursue its on-line courses every year.

The University has entered into a number of collaborative agreements with universities from round the world for student and staff exchange programmes, for joint research studies. The first batch of four exchange students is at the University of Arkansas (USA) for a year's study in engineering.



PRAJYUKTTAM 2012 Annual Technical Fest

Don Bosco College of Engineering and Technology, organized the annual technical Fest, "Prajyuktam" on 5-6 October 2012. The two-day event began with a brief inaugural function at the College atrium. The Chief Guest, Prof. Ratnajit Bhattacharjee, HOD Dept of EEE, IITGuwahati, in his speech touched upon some of the important procedures of research involved in the technical field. Fr. V. A. Cyriac, Controller of Examination, ADBU, in his address congratulated the students for their initiatives and wished them an enriching time of learning.

There were 15 events in all for the two-day event, organized by the co-curricular clubs of our college. Robotics, Circuitronics, Coding, Web designing and Bosco Quiz are some of the events that called the attention of the students from DBCET and nearby Colleges. About 600 students from 20 Colleges in and around the city participated in the event.

Kishor Kumar Sarma, DBCET



'Wake up and Smell the Coffee' Introduction to a new start

The Director of Human Resource at ADBU, Ms. Juhi Baruah had an interactive session with the faculty members of DBCET on 26 September 2012 at the conference hall. She introduced to them the planned programme for the students 'wake up and smell the coffee' – a motivational session to groom students to become professionals.

Asian Institute of Technology, Bangkok to Collaborate with ADBU

Dr. Sunandan Baruah (HOD, Dept of ECE, DBCET), one of the visiting faculties of Asian Institute of Technology (AIT), Bangkok, Thailand, during his last visit to the Institute in October this year had a series of meetings with Dr. N. Afzulpurkar, Dean of the School of Engineering & Technology to discuss the possible collaborative programmes between AIT and ADBU. Considering the expertise of the two universities, an academic collaboration in the form of a five-year Unified Bachelor -Master's Program in Engineering was proposed. The Programme is to enable students from DBCET to opt for various ME programmes like Microelectronics & Embedded Systems, Mechatronics, Telecommunications, Energy, Nanotechnology, Construction Engineering & Infrastructure Management, Geotechnical & Earth Resources Engineering, Structural Engineering, Transportation Engineering and Remote Sensing & GIS. He also had a lively meeting with Prof. I. M. Pandey, Vice

President, Academic Affairs of AIT and Dr. Nitin Tripathy, Coordinator for the unified programme (India) and AIT, who showed interest in collaboration with Assam Don Bosco University. Prof. I. M. Pandey, a graduate from IIM, Ahmedabad, who also has teaching experience in top universities across the globe, suggested a 5 year B Tech-MBA program with ADBU.

Dr. Baruah also visited the National Science & Technology Development Agency (NSTDA), Ministry of Science and Technology, Royal Govt. of Thailand for possible research collaborations. Dr. Chanchana Thanachayanot, a senior researcher at the National Metal and Materials Technology Center (MTEC) belonging to the National Metal and Materials Technology Center is also one among those who showed interest in research collaboration with our University.

Two-day ISTE workshop on “Aakash for Education”

DBCET, one of the remote centres of IIT Bombay for conducting workshops to enhance the teaching skills of the faculty members of Engineering and Science Subjects, had about 35 participants for the ISTE workshop on “Aakash for Education” conducted on 10-11 November, 2012. The programme had the objective of introducing the tablet computers in general, and Aakash tablets in particular, to the participating faculty in various remote centres across the country. Emphasis was given on using applications specially developed for Aakash at IIT Bombay, for effective use of these tablets in the educational process and the prospective of developing applications for aakash tablets .

Under this project, IIT Bombay plans to deploy the Aakash tablets in select engineering institutions in India, with two



objectives. The first is to test and enhance the effectiveness of these tablets for use in class rooms. The second is development of new educational applications and contents for Aakash, largely through final year Research and Development projects done by BE/ME students at these Institutes.

An interactive meeting with the parents and guardians

An interactive meeting with the parents and guardians was organized in the college on 13 October 2012. The agenda of the programme included an introductory session of welcoming the parents, parents-mentor interaction, an invited talk on ‘Supporting Young Adults’, a presentation of the college activities, and a concluding open session for exchange of thoughts, opinions, and ideas.



The programme started with a welcome song by the students of DBCET, followed by a welcome address by Fr. V. A. Cyriac, Controller of Examinations ADBU. Prof. Manoranjan Kalita, Principal DBCET, briefed the parents on the day’s schedule. A psychological talk by Ms. Yasmine A. Shilla, Asst. Prof., DBISS, on ‘Supporting Young Adults’ was introduced for the first time in this meeting. The talk was interactive and provided psychological consultation on various student-related issues for personal well-being and academic success. A PowerPoint presentation on various college activities was made by Sr. Shiji James, Director of Communications, ADBU. This was followed by an update on the training and placement activities of the college by Mr. Shahnawaz

Hussain, TPO, which highlighted the efforts to make the students competent and skillful. The open discussion forum was guided by the Principal, along with a few members from the management and faculty.

In the concluding speech Fr. Stephen Mavely, VC, ADBU stressed on the formative role of parents in the education of their wards. The parents were appreciative of the efforts and initiatives taken by the college authorities in achieving excellence in the field of education.

Ms. Nabamita Das, Asst. Prof. DBCET

Shape of things to come

The Board of Management has cleared the following programmes of study for introduction in 2013-14: a) B Tech in Mechanical Engineering, b) M Tech in EEE, CSC and ECE, c) Integrated B Tech-MBA, d) M Ed / MA in Education.

The Board also enthusiastically endorsed the signing of an MOU with Rioja International University (Spain) for collaborative ventures in on-line education as well as for certifying the courses run by CHAI (The Catholic Hospital Association of India), a Secunderabad-based network of over 300 Christian hospitals.



Updates on Placement Activities

Placement activity has picked up urgency and momentum during the past months and the pace expected to accelerate. In the past two months, there have been campus selections as well as virtual interviews, paving the way for student assessments, evaluations and selections. Till date, the defense forces, and several multinationals and regional organizations in the field of engineering and information

technology have conducted assessments and selected students on the basis of aptitude tests and technical and HR interviews.

The students on their part have been actively participating in the entire process by utilizing all the resources provided to them in the form of mock aptitude test, practice sets and other relevant materials. 'Be prepared' – that's the catch word in the campus as the number of recruiters and companies are expected to increase exponentially in the months ahead.

Student Brand Ambassadors

A new initiative at DBCET

Training and Placement Cell, DBCET has taken an initiative named, 'Student Brand Ambassadors' to develop leadership traits in students with the focus on Don Bosco's values. The programme is planned to help the students gain skills based on crafting "real time" campus workplace opportunities. The key word is "real time", because for any learning to occur, the student would need to know how to prioritize as-

signments and responsibilities. This adjustment, fuels learning, growth and development.

A Student Brand Ambassador would be a role model for the student community to aspire for, in terms of "Achievement" on campus. Currently 38 students have been selected to be in the new brand and they are entrusted with some responsible tasks.

Mr. Shahnawaz Hussain, TPO, DBCET

Update from the Department of Psychology and Counseling



The Department of Psychology and Counseling, which was set up by the University this academic year with the specific aim of creating professional counselors who could fill the

void and render their valuable services to society will complete its first phase of the programme in the coming few days.

Keeping to its norms, the course of study enforces practical knowledge on counseling by adopting teaching methods different from the traditional ones. Apart from class room teaching, it includes various activities that help the students to understand and develop their skills and abilities as a counselor.

**Neelam Bara, Asst. Professor
Dept of Psychology and counseling**

"Health and Well Being Matters" a national youth consultation

Students from the Department of Social Work - Pavei Alexius Pou and Lavinia Lyngdoh, participated on invitation in a national consultation on "Health and Well Being Matters" conducted by 'Pravah', an organization working for youth development in collaboration with United Nations Population Fund India (UNFPA) and the Ministry of Health and Family Welfare. The consultation was held on 1-3 November 2012 at Vishwa Yuvak Kendra, New Delhi. There were 40 participants from all over the country. The objective of the programme was to identify adolescents/ youth needs and concerns including those relating to health and well being and to analyze the provisions under the ICPD(International Conference on Population and Development plus 20) and Government of India for young people as well as to examine

Government policies and programmes in the context of the identified needs and concerns.



The programme called for an active participation of all the members as they were assigned to group work and situational analysis. Each member was asked to come up with recommendations for national implementation. The two students from ADBU had the rare opportunity to highlight issues pertaining to the North-East at this forum .

Lavinia Lyngdoh, Dept of Social Work

News updates from DBIM



PRAJJWAL DIWAS 2012



DBIM's social forum, 'Prajjwal' called for a celebration on its completion of three successful years with a cultural get-together under the banner, 'Prajjwal Diwas 2012'. It was also an opportune moment of welcoming and felicitating Fr. Johnson Parackal, the new Executive Director of DBI to Prajjwal family.

The Chief-Guest of the function, Mr. Santosh Jaiswal, MD, Biscon India Ltd, Guwahati, in his speech applauded the various activities of DBIM, in its quest for a better future for the students of Joypur. Taking note of the positive changes seen in personality of the students of Prajjwal, Mr. Jaiswal appreciated the efforts of DBIM and wished them well for its endeavors in the days ahead.

Fr. Johnson, in great admiration acknowledged the efforts

of DBIM students and thanked Mr. Santosh Jaiswal for his support and collaboration.

The program had a joyful start with a Bihu-husori by a group of both the Prajjwal and DBI students. Mr. Alakesh then presented a brief view of the journey of Prajjwal, since its inception in 2009, and thanked all its advisers and well-wishers.

The event saw a colorful and patriotic presentation with a wonderful dance sequence by a group of DBI students to the tune of 'My India is great'. The 'Prajjwal Bouncer' by the ever energetic "Thapa" witnessed some very enthusiastic and skillful rhythms to the tune of the disco beats. A group song, Bihu dance and a skit added colour to the day's programme. A fusion dance by Mr. Gordon and Mr. Peeyush gave a perfect ending to the entire program.

Julhash Ali Library Day 2012



Don Bosco Institute of Management celebrated its 2nd Julhash Ali Library Foundation Day on October 8, 2012. Mr. Anirudha Dutta, FBI; Fr. Varghese Velickakam, Director, North East Diocesan Social Forum; Dr. Ableheart and Dr. Theresa the two guests from Germany, graced the occasion. The auspicious occasion was marked with a colourful performance by DBI and DBIM students.

The special attraction of the whole celebration reverberated on the quiz competition which was proficiently conducted by Mr. Pradip Deka, Asst. Professor, DBIM. In the cultural evening, students showcased their talents through songs,



dances and plays. At the end of the programme Fr. Johnson Parackal, Executive Director, DBI, distributed prizes for the round of competitions that were held to mark the foundation day on 5 - 6 October, 2012. The Julhash Ali Library Scholar Award was given to Sweetey Mathew, 2nd Year student, MBA. The scholar had been selected on the basis of several parameters like regularity in library, usage of the library resources and rich reading habits. Mrs. Kankana Baishya, Librarian, DBIM, thanked all who had come and joined hands for holding the event successfully.

Mr. Bikash Gogoi, Asst. Prof., DBIM

Research Corner



Ph D Course work of the 2012 Session concluded with the declaration of results of the Course Work.

Presentation of synopses and registration of the scholars of 2012 batch are in progress

INFLIBNET empanels Assam Don Bosco University for uploading of the synopses of our research scholars on their website: Shodhgangotri.

Ph D Synopsis Presentation-Registration: Following research scholars have presented and submitted their synopses for registration

Scholar	Department	Thesis Title
Ms Kezhangunuo Kelio	North East India Studies	Customary Laws of Angami Naga Tribe: A Feminist Post-Modern Perspective
Mr Viraho Angami	North East India Studies	Change and Continuity of Taboos among Southern Angami Nagas
Mr Ranjay Das	Electrical & Electronics engineering	Issues of Power System Economics and Operational Planning
Mr Chakradhar Das	Electrical & Electronics engineering	Design, Analysis & Development of Sensor Based System: Applied Antheraea Assamensis (Helfer) Farming
Mr Sandip Bordoloi	Electrical & Electronics engineering	Measurement of Refractive Index and other Physical Parameters using Optical Refractometer"
Mr P Joseph	Comparative Religion	Spiritual Experience beyond one's religion and its Impact
Mr Ayemi Husca	North East India Studies	Changing Socio-cultural & Political Institutions vis-à-vis Migration: A case Study of the Sumi Nagas of Kiphire District
Fr Shaji Mathew	North East India Studies	Impact of Cultural Globalization on the youth of Nagaland: A comparative study of Dimapur & Nagaland
Ms Jhimli Kumari Das	Electronics & Communication Engineering	Development of Sensor Based System for Ericulture Industry
Mr Probin Topno	Social Work	Practices of NGOs and the factors hindering sustainable development with special reference to Adivasi Community in Sonitpur District of Assam, India
Mr Kisholoy Chowdhury	Social Work/NEIS	A Sociological Study of Media-Ethics in Assam
Fr George CJ	Social Work	Need for Psychosocial Interventions to heal & Empower Children in Street Habitat- A Phenomenological & Ethnographic Study
Niranjan Agarwalla	Business Administration	Customer Satisfaction in the Telecom Sector in India: A Study on Assam and NE Circle

Third Batch of Ph D intake is announced, the last date of applying for enrollment being January 15, 2013.

Three new areas are included for the upcoming doctoral studies at ADBU, namely, Civil Engineering, Language Studies and Bio-technology.

Preparation of NABSET 2013 is on in full swing. Close to 50 research papers have been received and the review process is on.

Ph D degree awarded

Ph D degree awarded to Assistant Professor Ashish Paul for his work on, 'Convectively driven flow past a vertical circular cylinder with or without stratification' by Gauhati University.



Faculty Members of ADBU Attended Conferences/Symposia/Workshops

- Assistant Professors Kumaresh Sarmah & Karen Das were deputed for ISRO organized R & D workshop at Aizwal-Mizoram.
- Faculty members of Don Bosco University of Engineering & Technology attended professional enrichment programme focused on "Mentoring is your sure Compass" on August 24-25, 2012.
- Assistant Professors P. Joseph, Pallav Das and Hemen Bharali attended a workshop on "Higher Education Preparedness" on October 31 to November 1, 2012 organised by the Assam State Disaster Management Authority in collaboration with National Disaster Management Authority and District Disaster Management Authority, Kamrup Metro.
- Assistant Professor P. Joseph of the Department of Humanities and Social Sciences is now the Programme Officer of the Red Ribbon Club and attended an orientation Workshop on HIV/AIDS for RRC Programme officers on 5 November 2012.
- Assistant Professor Ms Jhimli Kumari Das attended a week long workshop from September 24 to 29 on 'LabVIEW based Graphical System Design' organized by Gauhati University in collaboration with National Instruments.
- Assistant Professor Rig Das presented his research work on Image Steganography based on Block DCT and Huffman Encoding at an International Conference held at Singapore on October 5-7, 2012. This work is being processed for publication in SPIE Journal.
- Researchers at Organic research Lab of the University have developed novel synthetic strategies for hitherto unknown molecular entities with unique architecture as a part of a DBT funded research project. These molecules are being studied for their anti-cancer properties by the collaborating bio-technologist.
- Assistant Professor Monmoyuri Baruah presented her work on 'Solar Energy' at an International Conference held at Sibsagar on October 12-14, 2012.
- Assistant Professors Subra Mukherjee and Karen Das have their paper entitled, 'An adaptive GMM approach to background subtraction for application in real time surveillance' accepted and registered for publication in the International Conference on Technical and Executive Innovation in Computing and Communication [TEICC 2012].
- Assistant Professor Sontara Konwar Boruah participated in 'National Seminar on Emerging trends in Chemical Sciences' organized by Gauhati University during March 30-31, 2012.
- Assistant Professor Sontara Konwar Boruah presented a paper in an 'International Seminar and Workshop on Energy, Sustainability and Development' organized by Sibsagar College, Assam on October 12-14, 2012.
- Assistant Professor Sontara Konwar Boruah presented a paper in a 'National Seminar on Recent Aspects of Chemistry Education and Research' organized by Gauhati University on February 24-25, 2012.

Research Paper Publications of the Faculty Members Gaining Momentum

- Associate Professor Sunandan Baruah has published a research paper, 'Paper modified with ZnO nanorods-antimicrobial studies in the Belstein Journal of Nanotechnology, 3, 684-691 (2012).
- Associate Professor Sunandan Baruah has a research paper entitled, 'Nanostructures ZnO for water treatment' accepted for publication in Nanoscience & Nanotechnology-Asia, 2012.
- Assistant Professor Asish Paul publishes two research papers titled, 'Transient free convection flow past an infinite vertical cylinder with thermal stratification' and 'Unsteady free convective flow past a moving vertical cylinder with heat and mass transfer' in Journal of Mechanical Science & Technology, 26(8), 2229-2237 (2012) and International Journal of Mathematical Archive, 3(7), 2819-2826 (2012).
- Assistant Professor Karen Das published his paper entitled, 'Both Hands' Fingers' Angle Calculation from Live Video', in the International Journal of Computer Vision and Image Processing, 2(2), 1-11, April-June 2012, [DOI: 10.4018/IJCVIP, ISSN: 2155-6997, EISSN: 2155-6989 © 2012, IGI Global].
- Assistant Professors Subra Mukherjee and Karen Das have their paper entitled, 'Chromatic dispersion cancellation using artificial neural network' accepted & registered for publication in the International Jour-

nal of Engineering Science and Emerging Technology [ISSN: 2231-6604].

- Assistant Professor Sontara Konwar Boruah has published her work entitled, 'Green synthesis of gold nanoparticles using camellia: synthesis and kinetics of the reaction' in Advanced Materials Letters, 3(6), 481-486 (2012).
- Assistant Professor Sontara Konwar Boruah has her work entitled, 'Synthesis of graphene oxide nanosheets from pencil lead and in-situ synthesis of gold nanoparticles on graphene oxide nanosheets' accepted for publication in International of innovative research and development [October, 2012].
- Assistant Professor Kabita Choudhury co-authors a research paper entitled, 'A Novel Technique for Suppres-

sion of Corner Effect in Square Gate All Around Mosfet' published in Electrical and Electronic Engineering, 2(5): 336-341 (2012).

- Dr. Asem Satyapati Devi of Organic Research Lab. co-authors a paper with Prof. J. N. Vishwakarma in Synthetic Communications (in press).
- Dr. Madhusudan Saha of Don Bosco College, Tura co-authors a paper with Prof. J. N. Vishwakarma in Chemical Science Journal, CS-65 (2012).
- Ms Shalu Gupta co-authors a research paper with Dr. Y. Jayanta Singh entitled, 'A survey on indoor object detection system' in the International Journal on Advanced Computer, Theory and Engineering, 1 (1), 2319-2526 (2012).

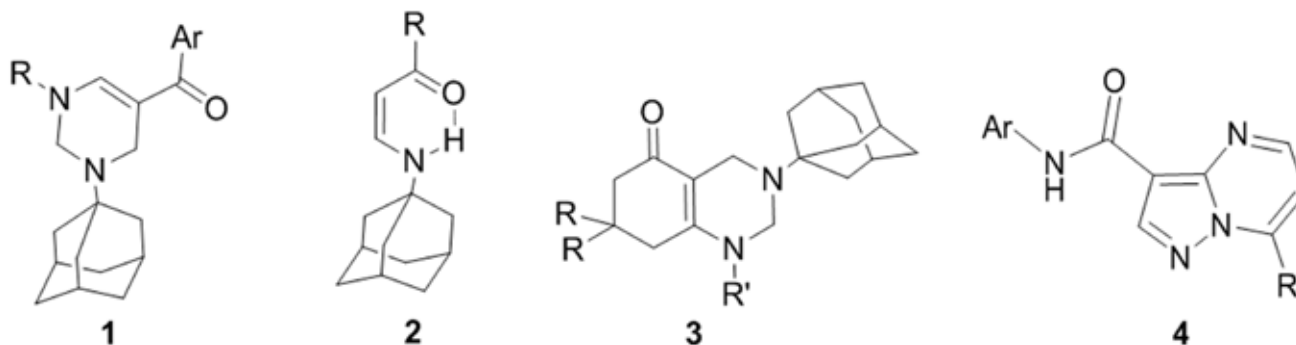
Research Project Proposal Granted

Dr. Y. Jayanta Singh is granted a research project proposal entitled, 'A local audio system for in-house object detection for visually impaired personnel' under Research Promotion Scheme of AICTE.

Junior Research Fellows Succeed

Ms Utpalparna Kalita develops methodologies for the fabrication of novel molecular architectures 1 & 2 as a part of a DBT-GOI funded project and anti-inflammatory properties of these molecules are under investigation.

Ms Shunan Kaping of the Organic Research Lab. also succeeds in developing synthetic strategies for novel molecular candidates 3 & 4 and expresses her gratitude to the DBT-GOI for the financial assistance. She claims that these molecules possess potent anti-cancer properties but refuses to divulge the synthetic pathway involved.



Ph D Scholars (batch 2012) during the course work at the University with Prof. J N Vishwakarma, Director of Research, ADBU and Dr. Paul Puduserry, the resource person for the classes on Research Methodology.

Wishing you...
Merry Christmas



Happy New Year !

DBCET to hold another National Conference in March 2013

Preparations are underway for NABSET 2013 - the second National Conference in the series on "New Approaches of Basic Sciences towards the Development of Engineering and Technology" (NABSET 2013) at Don Bosco College of Engineering and Technology. The Conference which is planned to be held on 1-2 March 2013 will be an ideal platform for researchers, academicians, engineers, as well as industry professionals from all over the country to share views and present their findings and have intellectual deliberations on emerging trends of basic sciences. It will also have a number of invited talks from distinguished scientists from all over the country. Thrust areas of the conference will dwell in the recent trends in Nanotechnology, Organic synthesis, Bioinorganic, Organometallic compounds, Green Chemistry, Superconductivity, Super fluidity, Plasma Science, Mathematical modeling, Mathematical methods in Science & Technology and Computational techniques.

For details log on to [www.http://conferences.dbuniversity.ac.in](http://conferences.dbuniversity.ac.in)

Published by: **DON BOSCO UNIVERSITY**, Airport Road - Azara, Guwahati, Assam - 781017
Phones: +91 361 2139291 / 2139292 / +91 9435545754, Fax: +91 361 2841949
www.dbuniversity.ac.in / www.dbuglobal.com / contact@dbuniversity.ac.in
Editor: Sr. Shiji James msmhc, Layout: Rahul Regmi

For private circulation only