

NEWSLETTER



TEZPUR UNIVERSITY

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In this issue

- 2 VC's Corner
- 3 Awards and Achievements
- 5 Seminars / Conferences / Events
- 10 Select Publications
- 16 Select Projects
- 17 Students' Achievements
- 18 University Events
- 20 New Joining

Tezpur University receives the Visitor's Best University Award 2016

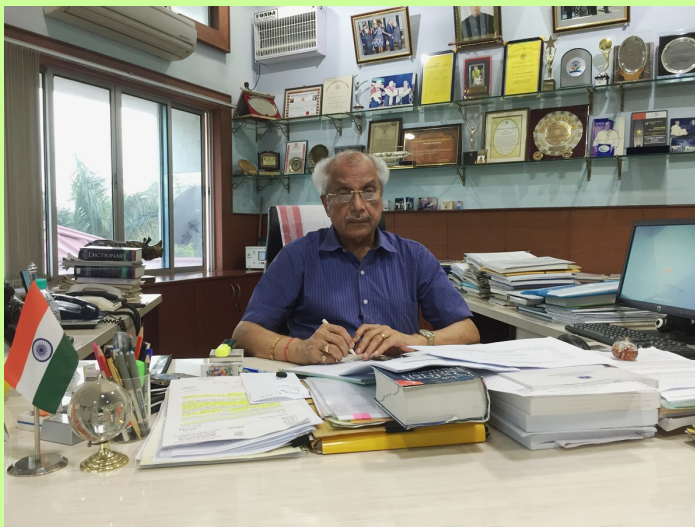


Tezpur University is ranked fifth in the *National Institutional Ranking Framework (NIRF) 2016* among the top 100 universities in India

The NIRF top 10 universities are:

1. Indian Institute of Science, Bangalore, Karnataka (91.81)
2. Institute of Chemical Technology, Mumbai, Maharashtra (87.58)
3. Jawaharlal Nehru University, New Delhi, Delhi (86.45)
4. University of Hyderabad, Hyderabad, Telengana (85.45)
5. **Tezpur University, Tezpur, Assam (84.31)**
6. University of Delhi, Delhi (83.19)
7. Banaras Hindu University, Varanasi, Uttar Pradesh (81.22)
8. Indian Institute of Space Science & Technology, Thiruvananthapuram, Kerala (78.82)
9. Birla Institute of Technology & Science, Pilani, Rajasthan (76.85)
10. Aligarh Muslim University, Aligarh, Uttar Pradesh (76.62)

From the Vice Chancellor



I am really very sorry to confess to a lapse on our part for not being able to publish the *Newsletter* for nearly a year. We shall certainly like to see no recurrence of such a slip in future.

The period of last 10 to 12 months has been remarkably eventful for our University. The students on the campus have maintained their winning spree not only in academics but also co-curricular activities including sports, cultural and literary competitions. Some of these will be highlighted by the Editor, I am sure.

In addition to teaching and conducting examinations, many faculty members have been deeply engaged in research leading to quality publications and a few patents. Several faculty members have received academic accolades in their chosen domain of expertise.

Engagement of students in pedagogy, their skill development, stringent accountability of the system and reach out to the society are important parameters by

which the performance of a university might be judged. The assessment is made by others including peers. To this end, our University has earned some humble recognition by way of receiving the **Visitor's Best University Award 2016, 5th position in the NIRF MHRD Rankings 2016, NBA Accreditation** and the approval for **Centre with Potential for Excellence in a Particular Area (CPEPA) of Humanities & Social Sciences** of our University in addition to several Special Assistance to different academic departments, for instance. KUDOS to our students, members of faculty and technical & non-teaching staff. Friends, we would like to appreciate the unstinted support of our spouses from behind the screen for our success. While we have some reasons to cheer, yet it is necessary to firmly embed in our mind that **we have still a long way to go.**

Through this issue of *Newsletter*, I wish you all joyous and rewarding days ahead.

Mihir K. Chaudhuri

Editorial

It is a pleasure to bring out this issue of the Tezpur University Newsletter. We celebrate the awards and accolades that the University has earned in the last few months and the honours and prizes that our students have brought from various regional and national level events. The editorial team would like to

thank the members of the university fraternity for submitting news, photographs and information compiled here. While we have made a sincere effort, any error is deeply regretted. We look forward to your comments and suggestions.

Awards and Achievements

Professor Mihir K. Chaudhuri, Vice Chancellor of our University has been conferred upon D.Sc (honoriscausa) by the Vidyasagar University in their eighteenth Convocation on 03 March 2016. This distinction has been conferred upon Professor Chaudhuri for his sustained and significant contributions to Science and Technology and also notable contributions in institutions' building. The degree was presented to Professor Mihir K. Chaudhuri by the Hon'ble Governor of West Bengal Shri Keshari Nath Tripathi.

Tezpur University has been granted a Centre with Potential for Excellence in Particular Areas on "Cultural Memory in North East India: A Research and Documentation Programme on Visual and Textual Narratives." The proposal for the Centre was prepared by the Department of Cultural Studies in collaboration with the Department of English and Foreign Languages and the Centre for Assamese Studies.

The Department of Computer Science and Engineering is recognized as a Centre of Excellence in Machine Learning & Big Data Analytics by MHRD, Govt of India.

UGC has nominated the TU Department of Computer Science and Engineering to participate as one of the members of BRICS-NU under the theme "Computer Science and Information Security".

The Department of Computer Science and Engineering was awarded DST-UKIERI Project 2014-2015 'BCI as an Intelligent Sensor: BCI Integrated Collaborative Control of a Cognitively Enhanced Smart Wheelchair' - in collaboration with Prof. John Q. Gan, Artificial Intelligence & Robotics, School of Computer Sc. & Electronic Engineering, University of Essex, United Kingdom.

The 7th Chronicle B-School Survey-2016 conferred "A" Category to the Department of Business Administration, Tezpur University and included among the Top 5 Business School in East India.

The Department of Business Administration, Tezpur University is ranked 27th in the Management Category in NIRF All India Ranking 2016 (Ministry of HRD,GOI)

The Department of Physics received an amount of 89.5 lakhs under special assistance programme (UGC – SAP DRSII)

Prof. N. Karak (2016) and Prof. Ashwini Phukan (2015) were awarded CRSI-Bronze medal from the Chemical Research Society India for their high quality research in the field of Polymer Science and Organometallic Chemistry, respectively.

Prof. S. K. Dolui received National Technology Innovation Award-2015, in innovative product development category, awarded by the Dept. of Chemicals and Petrochemicals under the Ministry of Chemicals and Fertilizers, New Delhi.

Dr. S. K. Das got best poster award in the conference entitled "*Drug Discovery and Development: Global Scenario — Indian Prospective*" held at National Institute of Pharmaceutical Education and Research, Hyderabad, 20-21st November 2015.

The Department of Sociology was inducted under UGC SAP at the level of DRS-1 for a period of 5 years (01.04.2016 to 31.03.2021).

C. K. Sharma selected (Honoured) for the Indian Council of Cultural Relations (ICCR) Chair Professor Abroad for 2016-17.

Prof. K K Baruah was Awarded Prestigious JC Bose Gold Medal by Indian Society For Plant Physiology for his outstanding contribution in the field of environmental plant physiology. He received the award in the inaugural ceremony of 3rd international congress of plant physiology held at JNU, New Delhi on 11th Dec. 2015.

Jintu Sarma, UDC, Department of Environmental Science, TU was awarded National Award for the Empowerment of Persons with Disabilities, 2015 by MoSJE, Govt. of India. (Category: Best Employee)



Awards and Achievements

Dr. S. S. Bhattacharya was awarded Anniversary Teacher Award, 2015 by Tezpur University.

Dr. Nirmali Gogoi, assistant professor, department of Environmental Science, has received "UGC Raman Fellowship for Post-Doctoral Research in USA for the year 2015-2016"

Dr. Manish Kumar, assistant professor, Dept. of Environmental Science has been selected for the Water Advanced Research and Innovation (WARI) Fellowship supported by the Department of Science and Technology, Govt. of India, the University of Nebraska-Lincoln (UNL), the Daugherty Water for Food Institute (DWFI) and the Indo-US Science and Technology Forum (IUSSTF) to carryout research at University of Nebraska-Lincoln.

Teaching Learning Centre (TLC), TU was set up in 2015 under the scheme of Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNTT), Department of Higher Education, Ministry of HRD, Govt. of India.

A research paper by Sampriti Kataki, West Helen, Clarke Michele and Baruah DC titled *Farm, Industrial and Municipal Waste: Prospects of nutrients (Phosphorus) recovery* was adjudged *Excellent paper* in the International Conference on Solid Waste Management, Indian Institute of Science, November, 24th-27th, 2015.

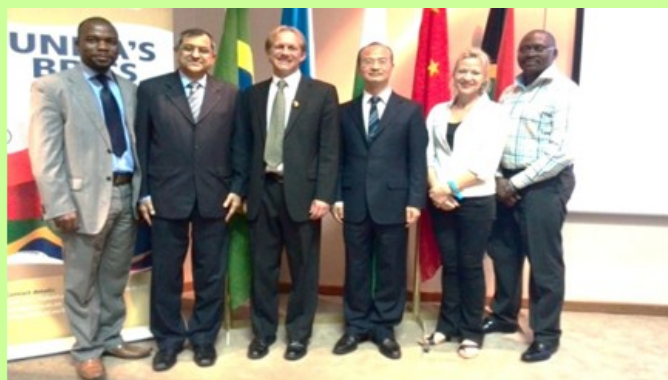
The Government of India is offering 35 fellowships per year to Hungarian students to pursue higher studies in seven Indian universities. Tezpur University is one of the select universities, the others being University of Calcutta, Mysore University, University of Hyderabad, JNU, Delhi University and Jadavpur University.

Tezpur University Central Library has successfully created aETD Repository @ TU: A Reservoir of Theses & Dissertations of TU under the scheme of *Shodhganga, UGC, INFLIBNET*.

P. Deb, Department of *Physics* received APS-IUSSTF Professorship Award in Physics from American

Physical Society, the UGC Research Award, a Career award of University Grants Commission, Govt. of India and the Anniversary Best Teacher Award of Tezpur University.

Tezpur University, Intellectual Property Rights Cell secured registration for Authorized User tag (Muga GI) to 92 grassroot Muga stakeholders in Assam.



IPR Chair Professor at Tezpur University Prof P Ganguli was invited by the Alexander von Humboldt Foundation, Germany to the "Institute for Innovation and Competition" in Munich. The Fraser Institute in Vancouver, Canada invited Prof. Ganguli to participate and contribute as an expert at the "Consultation on IPR and Healthcare".

Shuvam Sen was selected for three months deputation of Indian scientists under Indian National Science Academy (INSA) bilateral exchange programme 2015 to the Department of Fluid Mechanics (PFS) at the Helmut-Schmidt-University, Hamburg, Germany from 24.08.15 to 21.11.15 under the INSA-DFG programme.

Mr. Pallab Kumar Borah (FPP15107), Ph.D. Scholar under guidance of Dr. Raj Kumar Duary has been selected for Commonwealth fellowship (Split Site Scholarship), at University of Leeds, UK (CSC Reference No. INCN-2016-61) by Commonwealth Scholarship Commission 1 year (from 1st of Nov, 2016 to 31st Oct, 2017).

Awards and Achievements

Three More 'Chairs' Instituted at TU

'Dr. Ambedkar Chair'

The Dr. Ambedkar Foundations under the Ministry of Social Justice and Empowerment, Government of India, has approved the proposal of Tezpur University for setting up a *Dr. Ambedkar Chair* at the University.

'Mahatma Gandhi Chair'

In memory of the invaluable contributions made by

the father the nation Mahatma Gandhi to ethics, the Indian Council of Philosophical Research has instituted the 'Mahatma Gandhi Chair in Ethics' at Tezpur University.

'Industry Chair'

An 'Industry Chair' sponsored by the Vinati Organics Ltd., a leading chemical-speciality company headquartered in Mumbai, for conducting research in Chemical Sciences and Industry-Academia interface has been initiated.

Students' Achievement

- Best Team in UNIFEST (Brahmaputra Mahotsava), 2016.
- Newton-Bhabha Fellowship, DST, Govt. India, 2016.
- Fulbright-Nehru Doctoral Research Fellowship 2015-2016.
- *Best Folk Orchestra* in the South Asian Inter-University Youth Festival 2015.
- In 30 selected students for *Lindau Nobel Laureates Meeting 2015*.
- Over 15 First Prizes in debate competitions at the state and national levels during 2014-2016.

Seminar / Conferences / Events



A lecture series by feminist historian Prof. Uma Chakravarty on the topic "The Question of Women" was organized, 26th -27th October, 2015

- The Chandrababha Saikiani Centre for Women's Studies organized a Workshop on Domestic violence & legislation on 22nd -23rd September, 2015
- Two day long Orientation Programme on "Women and Trafficking" was held on 21st -22nd December, 2015

- Gender sensitization and awareness programme was organized on 8th March, 2016
- A special lecture by Prof. Bidyut Mohanty in memory of "Chandrababha Saikiani" on "Grass root Women and Governance" was organized on 14th March, 2016
- Padmashri Aribam Syam Sharma, National award winning filmmaker interacted with the students and also screened one of his movies '*Ishanou*' (the special one) on 22nd February, 2016
- Prof. Brenda E. F. Beck, a world-renowned Anthropologist and Folklorist from University of Toronto, Canada, delivered a special lecture on Tamil folklore and interacted with the students of Dept. of Cultural Studies on 6th February, 2016
- Ellen Howe, Senior conservator, Metropolitan Museum of Art, and Patric Pascale, Conservator, Metropolitan Museum of Art, New York, USA visited and interacted with students and faculty members on 12th November, 2015
- On September 22, 2015 the International Office organized an interactive seminar for students on

Seminar / Conferences / Events

overseas education. The Seminar was conducted by Ms. Rinjee Baruah, Manager (Counselling) and Ms. Aparna Saha (registered counselor) of Global Reach

- The International Office initiated a programme to expose the foreign students of the university to Indian ways of living by spending a day with volunteer host families in the greater Tezpur area. The programme was kicked off with the VC's dinner for international scholars at his residence on February 17, 2016
- On February 22, 2016 Darshana Preethi Prasad Godapitiya Liyanage from Sri Lanka became the first foreign student to complete his PhD at Tezpur University. His dissertation, "The Convergence of Advertising and Folklore: A Lacanian Study", was supervised by Professor DP Nath, Dept. of Cultural Studies
- In Nov, 2015 Department of Chemical Science organised CDCS (Contemporary Developments in Chemical Sciences), 2015 where delegates from various institutes like IITs and ISERs presented their research work
- Prof. C.R.A. Catlow, University College London (UCL) visited the Chemical Science department and delivered talks on catalysis and recent developments in science and technology
- Prof. M. Lakshmi Kantam, former Director of IICT, Hyderabad and an eminent Scientist joined the Department of Chemical Sciences as Adjunct Professor
- The MCB Memorial Oration "*Immerging Issues in Management*" was delivered by Prof. Sudipti Banerjee, November, 2015
- The School of Management Sciences, Tezpur University in collaboration with Board of Studies Institute of Chartered Accountants of India (ICAI) organized a Joint Workshop on Companies Act, 2013 & Corporate Governance. It was hosted by the Guwahati Branch of EIRC of ICAI
- ICSSR NERC sponsored Workshop on *Research Methodology in Social Science* was organised by the Department of Sociology in collaboration with Equal Opportunity Cell (EOC), Tezpur University September 21-26, 2015
- UNICEF & Government of Assam sponsored *Executive Programme on Evaluation Methods* was



Workshop on "Status of Women's Studies in North East India" was organized on 26th -27th November, 2015

organised by the Department of Sociology in partnership with UNICEF, Guwahati and Planning & Development, Govt. of Assam on December 15-19, 2015

- Tezpur University sponsored Workshop on *Memory Studies, Sources and Historical Analysis* was organised by the Department of Sociology on October 12-16, 2015
- Department of Education under the Teaching Learning Centre organized the Instructional Skill Workshop from January 28 -30, 2016
- A ten day Research Methodology Workshop from February 15-24, 2016 for the research scholars was organized by the Teaching Learning Centre, Department of Education
- Department of Education organized a National Seminar on Innovative Pedagogy and Effective Teaching Learning during March 14 -16, 2016



The Department of Hindi, Tezpur University, organized its second National Seminar 'Manawiki ewam Samajik wigyanon mein takaniki shabdawalika Nirman, Prayog tatha Samasyaen' on 29th-30th August 2015 in association with the Commission for Scientific and Technical Terminology, Delhi.

Seminar / Conferences / Events



Department of Business Administration organized UGC SAP DRS I National Seminar on "Achieving Sustainable Rural Livelihood Through Financial Interventions and Skilling India with Special Reference to the North Eastern Region" on 4 & 5 March 2016

- The Department of English And Foreign Languages under the aegis of the UGC SAP-DRS program, conducted a workshop on "Working with Modernity and Regional Modernities" for Research Scholars and young faculty members on the 18th of March 2016
- The Centre for Endangered Languages organized the CFEL Language Workshop from 18th to 20th March 2016
- The Centre for Inclusive Development organized a Consultative Workshop for the ensuing UNICEF-sponsored programme *Post Graduate Diploma in Child Rights and Governance* in the Conference Room of the Guesthouse during August 24 – 25, 2015
- An *Orientation Programme for Faculty Members* was held during December 21 – 27, 2015



Prof. Dipankar Choudhury, Dept. of Civil Engineering, IITB, Mumbai delivered a technical talk in the Department of Civil Engineering followed by Interaction with B. Tech students on 18th September, 2015.



UNICEF & MAKAIAS sponsored International Seminar on *Governance, Development and the State in Contemporary Times* was organised by the Department of Sociology in partnership with UNICEF, Guwahati & MACRONEI-MAKAIAS, Kolkata on March 9-12, 2016



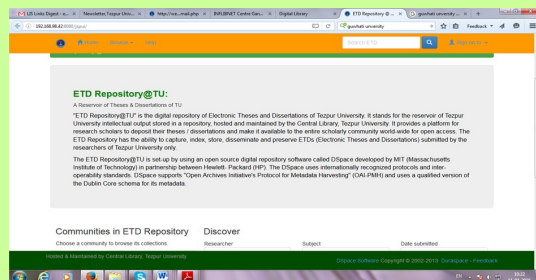
GIAN International Workshop on "Hydrology: An interdisciplinary science of water" was held at Department of Environmental Sciences, Tezpur University, Assam from 4th-14th January, 2016.

- A *Workshop on Research Methodology in Social Sciences* was held during September 21 – 26, 2015 (Equal Opportunity Cell in collaboration with the Department of Sociology).
- A three-day training and sensitization programme christened as "Training cum Sensitization Programme on Disability Issues for Government Service Providers" was held in from December 10 to 12, 2015. The Programme was sponsored by the Rehabilitation Council of India (RCI) under the Ministry of Social Justice & Empowerment, Government of India.



Sky observation programme organised by Astronomy Club, Tezpur University on Science Day, 2016.

Seminar / Conferences / Events



INFLIBNET Center, Gandhinagar sponsors digitization of theses and dissertations and the setting up of ETD Lab at Tezpur University, Tezpur, Assam under the scheme of *Shodhganga*.

- A two-day Pre-Placement Grooming programme was organized by the Training & Placement Cell for the final year engineering students on 17th & 18th August 2015 where 80 students participated. (Training & Placement Cell).
- A day-long workshop on *IT Industry-Trends and Requirements* was conducted in the School of Engineering on 4th September 2015. (Training & Placement Cell)
- The Department of Molecular Biology and Biotechnology organised a Workshop on Immuno techniques, 3-6 November 2015 by Institutional DBT-Biotech hub.
- The Department of Molecular Biology and Biotechnology organized a National Workshop on “High Throughput Omics”, January 30-31, 2016.
- The Department of Molecular Biology and Biotechnology organized a National Workshop on “Principles of Drug Designing”, February 5-6, 2016.
- The Sixth Srimanta Sankaradeva Lecture, Tezpur University was organized by the Centre for



The Department of English And Foreign Languages organized UGC SAP-DRS Conference On Biography : Western Theories, Indigenous Practices In Assam on 30 Mar 2016.



Central Library organized a week-long Exhibition of Books, Photograph and Bibliography at Central library with special focus on Sardar Vallabhbhai Patel from 31st October to 6th November, 2015.



The Department of Mechanical Engineering held a Short Term Course on Advances in Mechanical Engineering and Industrial Applications. July 2015.

- Assamese Studies. Professor Amiya Dev, Vice-Chancellor of Vidyasagar University delivered the lecture on “Tagore’s ‘Puja’ Songs in the Background of ‘Bhakti’ ” on 15 September, 2015.
- A National Seminar on “Approaches to Sankaradeva : Text, Performance, representation and History” was organised by Srimanta-Sankaradeva Chair and the Centre for Assamese Studies during 5-6 August, 2015.
- The Department of Physics organized a National Conference on Solid State Ionics (NCSSI-11) during Dec. 21-23, 2015.
- The Department of Physics organized “Thirty Metre Telescope: Science & Instrumentation Meeting - III”, during Dec. 01 - 03, 2015.



TUIPR Cell celebrated the 15th World IP Day, on 26 April, 2015 with a talk delivered by Mr Denis Dambois, Head of the EU delegation.

Seminar / Conferences / Events

- The Department of Physics organized “North-East Meet of Astronomers” during Oct. 26 - 28, 2015.
- Dr. Kishor Baruah and Prof. Jayanta Kumar Sarma acted as resource persons at one of the workshop and discussion programmes arranged by Tezpur University at the Jawahar Navodaya Vidyalaya, Morigaon on 19th March, at Tezpur University on 15th of March and at Guwahati on 25th of March, 2016 under the scheme of Regional Innovation Science Hub for Innovators (RISHI) of Tezpur University.



Centre for Endangered Languages organized the 2nd Regional CFEL Workshop, from 6th to 8th April 2016.



The Centre for Disaster Management organised a mock drill on Earthquake Disaster Response and Fire Fighting in its campus on 27 November, 2015 under the aegis of Tezpur University. The mock drill was conducted by District Disaster Management Authority (Sonitpur, Assam) in collaboration with Civil Defence (Tezpur), State Disaster Response Force (Assam), Fire & Emergency Services (Tezpur), and 108 Mritunjay service.



The UKRC-DST (SEED) sponsored research project “RHEES” aims to utilize locally available surplus biomass resources for energy services so as to improve livelihood and bridge the gap between rural and urban population. Community participation of Jhawani villagers (Bihaguri Development Block) to generate biogas, electricity, organic manure etc from the locally available biomass resources using state of the art technology packages is initiated.

University Outreach Programmes

- In collaboration with NSS volunteers and Health Centre of the University, the Centre for Inclusive Development conducted an awareness camp at Napam MV School on epidemics and contagious diseases and measures people need to take to protect themselves from such diseases, during the spread of swine flu in summer 2015
- Ten study tables and chairs were provided to the needy students of Class X belonging to Tea Tribe community of the Solmara High School on October 29, 2015
- The main entrance gate and boundary fence of Napam MV School were built/renovated
- The Village Crematorium of Napam which was in a half-done condition was completed with renovations, as requested by the senior residents of the village. It's approach road was also thoroughly repaired by the University



Under the outreach activity by Department of Physics, Tezpur University and IUCAA Pune, a workshop on Astronomy & Astrophysics was held at J. B. College Jorhat during 13-14 March, 2015.

Select List of Publications

(This is a representative list as submitted by the respective departments. The complete list of publications is available in the Annual Report of the University.)

School of Engineering

CIVIL ENGINEERING

Deka, S., Dash, S.K., & Sreedeeep, S. Strength of Lime-Treated Fly Ash Using Bentonite, *Geotechnical Engineering Journal of the SEAGS & AGSSEA* 46(3), 73 – 81, 2015.

Hussain, I., Ahamad, K.U., & Nath, P. Water turbidity sensing using a smartphone, *RSC Advances* 6, 22374 – 22382, 2016.

COMPUTER SCIENCE AND ENGINEERING

A K Sarmah, SM Hazarika, SK Sinha, "Formal concept analysis: current trends and directions", in *Artificial Intelligence Review* 44 (1), 47-86. 2015

D Boro, DK Bhattacharyya, "Particle swarm optimisation-based KNN for improving KNN and ensemble classification performance", in *International Journal of Innovative Computing and Application*. 2015.

D Das, U Sharma, DK Bhattacharyya, "Detection of Cross-Site Scripting Attack under Multiple Scenarios", *Computer Journal* Volume: 58 Issue: 4 Pages: 808-822. 2015

I Hussain, N Ahmed, DK Saikia, N Sarma, "A QoS-aware multipath routing protocol for WiFi-based long distance mesh network", *Emerging Technology Trends in Electronics, Communication and Networking*. 2015

I Hussain, N Ahmed, DK Saikia, N Sarma, "A QoS-aware multipath routing protocol for WiFi-based long distance mesh network", in *Emerging Technology Trends in Electronics, Communication and Networking*. 2015

M Devi, S Saharia, DK Bhattacharyya, "Dance Gesture Recognition: A Survey", in *International Journal of Computer Applications* (0975 – 8887) Volume 122 – No.5, July 2015

M H Bhuyan, D K Bhattacharyya and J K Kalita, "A multi-step outlier-based anomaly detection approach to network-wide traffic", in the *Information Sciences*, vol 348, pp 243-271, 2016.

N M Kakoty, A Saikia, SM Hazarika, "Exploring a family of wavelet transforms for EMG-based grasp recognition", in *Signal, Image and Video Processing* 9 (3), 553-559, 2015.

S Patra, P Modi, L Bruzzone, "Hyperspectral Band Selection Based on Rough Set", in *IEEE Transactions on Geoscience and Remote Sensing*, 2015.

S. S. Satapathy, S.K. Ray, A.K. Sahoo, T. Begum, T.C. Ghosh, "Codon Usage Bias is not Significantly Different between the High and the Low Expression Genes

in Human", *Int J Mol Genet Gene Therdoi* <http://dx.doi.org/10.16966/ijmggt.103>.

ENERGY

Gogoi Biswajit, Baruah DC. Steady state heat transfer modeling of solid fuel biomass stove: Part 1, *Energy*, 97, 283-295 (2016)

Kataki, Sampriti, West Helen, Clarke Michele and Baruah DC. Phosphorus recovery as struvite from farm, municipal and industrial waste: feedstock suitability, methods and pre-treatments. *Waste Management*, 49, 437–454 (2016).

Kataki, Sampriti, West Helen, Clarke Michele and Baruah DC. Phosphorus recovery as struvite: Recent concerns for use of seed, alternative Mg source, nitrogen conservation and fertilizer potential, *Resources Conservation & Recycling*, 107, 142-156 (2016).

MECHANICAL ENGINEERING

Bardalai, M. and Mahanta, D. K.A Review of Physical Properties of Biomass Pyrolysis Oil, *International Journal of Renewable Energy Research*, 5(1), 2015.

Datta, D., Steiner, M. T. A., Neto, P. J. S., Scarpin, C. T. and Figueira, J R. Multi-objective optimization in partitioning the healthcare system of Parana State in Brazil, *Science Omega - The International Journal of Management*, 52, 2015.

Dutta, P. P., Devi, M., and Mahanta, D. Analytical calculation of chain length of ferro fluid, *Bulletin of Material Science Research*, 38(1), 2015.

Kashyap, S, Pathak, H., Das, S., Doley, R., and. Optimization of Cutting Parameters for AISI H13 Tool steel by Taguchi method and Artificial Neural Network, *International Journal of Materials Forming and Machining Process*, 2: (2), 2015.

Gogoi T.K., Estimation of Operating Parameters of a Water–LiBr Vapor Absorption Refrigeration System Through Inverse Analysis, *ASME J. of Energy Resources Technology*, 138 (2) (2016), 022002

Kirtania S and Chakraborty D (2015). Failure analysis of carbon nanotube/epoxy composites having a broken carbon nanotube. *Journal of Reinforced Plastics and Composites*, DOI: 10.1177/0731684415595127

P. Kalita, A. K. Dass. A diffusion-regulated scheme for the compressible Navier–Stokes equations using a boundary-layer sensor, *Computers & Fluids*, Elsevier, 2016, Vol. 129, pp. 91-100, DOI 10.1016/j.compfluid.2016.02.001.

T.K. Gogoi, D. Konwar, Exergy analysis of a H₂O–LiCl absorption refrigeration system with operating

Select List of Publications

temperatures estimated through inverse analysis, *Energy Conversion and Management*, 110 (2016) 436-447

T.K. Gogoi, K. Talukdar, Exergy analysis of a combined vapor power cycle and boiler flue gas driven double effect water-LiBr absorption refrigeration system, *Energy Conversion and Management* 108 (2016), 468-477

T.K. Gogoi, R. Das, K. Singh and Estimation of critical dimensions for a trapezoidal-shaped steel fin using hybrid differential evolution algorithm, *Neural Computing and Applications*, (2016) pp 1-11

School of Humanities and Social Sciences

ASSAMESE STUDY CENTRE

Deka, Sanjib. "Banikanta Kakatir Bhasa Carca" in *Satsori*, January, 2015. ISSN: 2319-8893. Pp 42-50.

Dutta, Juri. 'Asomiya Sahityat Anubad: Eti Bihangam Abalokan' (Translation in Assamese Literature: A Bird's Eye View) in an edited volume titled *Adhunika Asom: Eti Abhas*, 2015; Pp 153-174. Principal, Nowgong Girls' College, Nagaon, Assam (ISBN 978-93-85310-13-3).

Dutta, Juri. 'Lakshminath Bezbaroar Natakot Swadeshpremaru Jatiya Cetana: Patabhumiaru Pratifalan' (Patriotism and National Consciousness in the Plays of Lakshminath Bezbaroar: Background and Reflection) Seminar Proceeding. In an edited volume titled *Lakshminath Bezbaroa: Adhunika Asomiya Sahityar Agradut Aru Jatiyotabadar Sthapati* 2015; Pp 156-167; Department of Assamese, Nowgong College, Assam (ISBN 978-93-810694-3-4).

Dutta, Juri. A Chronology of the Life of Padmashri Chandraprabha Saikiani (Translation) in an edited volume titled *Chandraprabha Saikiani: A Bilingual collection of essays on Assam's First Women's Right Crusader*, 2015 edited by Madhurima Goswami, Chandraprabha Saikiani Centre for Women's Studies, Tezpur University published by Olympia Prakashan, ISBN: 978-81-931547-0-0. Pp 81-93.

Dutta, Juri. "Eta Nari badi Sapon" (a short story in Assamese) in *Satsori*, January, 2016. ISSN: 2319-8893. Pp 42-50

Goswami, R. D. *Prabandha (A Collection of Essays) 1973-2015*, Lawyer's Book Stall: Guwahati, 2015

CHANDRAPRABHA SAIKIANI CENTRE FOR WOMEN'S STUDIES

Goswami, Madhurima (ed), *Chandraprabha Saikiani*, Guwahati: Olympia publication, 2015.

Mahanta, Mousumi, "Understanding Chandraprabha

Saikiani: Ideology and its Ramification," *Chandraprabha Saikiani*, Ed. Madhurima Goswami, Guwahati: Olympia publication, 2015.

Mahanta, Mousumi, *Women, Society and Mental Health: Narratives of Solitude*, New Delhi: Mittal Publication, 2015.

CULTURAL STUDIES

Baruah, Mandakini. & Debashis Baruah. "No Life Stirs in her Belly Now." North- Eastern Indian Writings in English, Modes and Concerns (A Book of Proceedings) Ed. By Archana Talukdar, ADP College: Nagaon, Assam. 2015.

Konwar, Juri Gogoi. And Konwar, Chandrika. "Urban Health Versus Rural Health in Tezpur : A case Study" in the Conference Proceedings Vol-I of International Conference on Public Health: Issues, Challenges, opportunities, prevention, awareness. (Public Health 2016). Krishi Sanskriti Publications, New Delhi. pp 176-179. ISBN-978-93-85822-10-0. 2016

Nath, Debarshi Prasad. "Inequality of Languages and the Question of Choice in Translation". *Translation Today*. (National Translation Mission). Volume 9. Number 1. September, 2015.

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Select List of Projects

- The TUIPR cell is continuing its Muga GI project into the third phase of activities in 2016. GI Registry, Chennai, Dibrugarh University and Assam Science, Technology and Environment Council (ASTEC), the Registered Proprietor of *GI-Muga Silk of Assam* are collaborating in this process
- The Computer Science and Engineering department has received an amount of Rs. 77 lakhs for UGC SAP II. In addition faculty members, D. K. Bhattacharya, N. Sarma, S M. Hazarika, S. K. Ray, S. S. Satapathy, S. Deka, U. Sharma, S. K. Sinha, N Sarma, S Patra, and others are conducting eight research projects funded by UKIERI-DST, DeitY, C-DAC, MHRD, DIT, DST, UGC for an amount of 27255 GBP and Rs. 845 lakhs (approximate)
- Prof. D C Baruah, D Deka, P. K. Choudhury, R Katak, S Mahapatra and other faculty members of the Department of Energy are engaged in research projects worth Rs. 228 lakhs (approximate) sponsored by UKRC-DST, DST, ASTEC, UGC etc
- Dr. Utpal Kumar Das, Kamal Uddin, Ahmad and Binanda K Narzary are conducting research projects in the Department of Civil Engineering funded by UGC
- P P Dutta, S Banerjee, S Kashyap and others at the Department of Mechanical Engineering are conducting research projects funded by DST-SERB, MSME, UGC-MRP and others
- Department Of Electronics and Communication Engineering has ongoing projects by Prof. S Bhattacharya, M Bhuyan, B Deka, R K Baruah, A Baishya and others for 410 lakh (approximate) funded by DST-SERB, DeitY, C-DAC, MSME, ASTEC-Assam, DIT, DST, UGC, SAMEER, DRNS-DAE, Space Application Centre, ISRO
- The English and Foreign Language department is continuing UGC SAP-DRS Phase II (98 lakhs). Prof. M. Barbora is conducting three research projects for an amount of approximately Rs. 108 lakhs funded by DIT and ICSSR
- Kikhi, Kedilezo, S.S Sumesh, Sarmistha Das in the Department of Sociology are conducting research projects worth Rs 31 lakhs (approximate) sponsored by ICSSR, UGC
- Department of Cultural Studies has ongoing projects for more than 92 lakhs sponsored by UGC, MAKAIAS, UNICEF
- Chandraprabha Saikiani Centre for Women's Studies is conducting a Research Project on Women and Trafficking funded by ICSSR, New Delhi
- S S Sarkar, Papori Baruah, A Roy and other faculty members at the Department of Business Administration are engaged in research and consultancy projects sponsored by UGC, Planning Commission, Govt. of Assam, AICTE and others for 45 lakhs (approximate)
- Prof. A Kumar, N. Bhattacharya, N. Das, G A Ahmad, N Mahanta, P Dev, P K Karmakar, M K Das, A Pathak, P Nath, Ng. K. Francis and others at Department of Physics are working on projects funded by DST-SERB, UGC, IUAC, DAE-BRNS, SAMEER and others for an amount of Rs. 347 lakhs (approximate)
- Eighteen research projects are being undertaken by faculty members of Environment Sciences funded by UGC, DST, Dept. of Atomic Energy, Ministry of Earth Science, DST-SERB, GBPIHED, DBT-Twining, CSIR, DBT, IITM and others for an amount of Rs. 539 lakhs (approximate)
- Seventeen research projects are ongoing at the Department of Chemical Sciences by S K Duloi, R K Dutta, N Karak, R C Deka, P Pujari, K K Bania, P Bharali, N Gogoi, B Sarma, S Das, S P Mahanta and others for an amount of Rs 515 lakhs (approximate) funded by DST-UKIERI, MoFPI/SERB, DST-RFBR programme, UGC, CSIR, DST-SERB, DIT, DBT and others
- Prof M Borah, M Hazarika, B Deka, S Dutta, S Sen and others at the Department of Mathematics are engaged in research projects sponsored by UGC, DST and others
- Prof. S. Baruah, E Kalita, R. Doley, L Bora and other faculty members of the Department of Molecular Biology and Biotechnology are engaged in projects sponsored by DBT, DRDO, ONGC and others
- Centre for Inclusive Development completed two UNICEF-sponsored projects, viz., (i) Developing child-friendly Panchayats in three Gaon Panchayats of Balipara Development Block (Rs. 15.0 L); and (ii) Gender and mental health in Assam : A study on magnitude, cause and impact of mental illness with special focus on women (Rs. 13.0 L) in 2015. (Equal Opportunity Cell)

Students' Achievements

Inter University East Zone Youth Festival, 2016

A team of 40 members from Tezpur University participated in cultural and literary competitions in the **31st Inter University East Zone Youth Festival, 2015** organized by Association of Indian Universities in association with **Tezpur University, Assam** held from 3-7 January 2016. The achievements of **Tezpur University** in the competitions are as follows:

♦ Folk Orchestra: 1st Prize ♦ Indian Group Song: 2nd Prize ♦ Light Vocal: 2nd Prize ♦ Western Group Song: 2nd Prize ♦ Western Vocal Solo: 2nd Prize ♦ Folk Dance: 1st Prize ♦ Classical Dance: 3rd Prize ♦ Debate: 1st Prize ♦ Quiz: 2nd Prize ♦ Elocution: 3rd Prize ♦ On spot photography: 1st Prize ♦ Rangoli: 1st Prize ♦ Poster Making: 2nd Prize ♦ Installation: 1st Prize ♦ Collage: 3rd Prize ♦ On spot painting: 3rd Prize ♦ One act play: 2nd Prize ♦ Skit: 3rd Prize ♦ Mime: 2nd Prize

♦ **Best Literary team** ♦ **Best Fine Art team**

♦ **Best Dance team** ♦ **Overall Champion : Tezpur University**



Lighting of the ceremonial lamp by Prof. Birendranath Dutta, Prof. Furqan Qamar, Mr. R. P. Sarmah, Prof. M.K. Chaudhuri



All Assam Bihu Competition



Tezpur University Bihu team won the first prize in All Assam level Bihu competition "Bordoisila" organized by Assam Engineering College, Guwahati as a part of their cultural festival Pyrokinesis on March 17, 2016. Tezpur University Bihu team also won the first prize in All Assam level Bihu competition "Jetuka" organized by Jorhat Engineering College, Jorhat as a part of their cultural festival Pheonix 2016 on 20th March, 2016.

Inter University National Youth Festival 2016

A team of 40 members from Tezpur University participated in the cultural and literary competitions of **31st Inter University National Youth Festival** organized by Association of Indian Universities in association with Mysore University, Mysuru, during 15-19 February 2016. The achievements of Tezpur University in the competitions are as follows:

♦ On Spot Photography: 1st Prize ♦ Folk Orchestra: 2nd Prize ♦ Group song Indian: 2nd Prize ♦ Light Vocal: 2nd Prize ♦ Installation: 3rd Prize ♦ One Act Play: 3rd Prize ♦ Debate: 3rd Prize ♦ Quiz: 4th Position



Students' Achievements

Achievements of students in various Debate Competitions

- 19th Parag Das Memorial All Assam Inter College and University Debate Competition organized by SADIN PRATIDIN GUSTI on 23rd August 2015:
 - Best Debater: Rupjyoti Kalita, MA 4th Sem, MCJ
 - Best Team: Rupjyoti Kalita, MA 4th Sem, MCJ and Uddipana Goswami, MA 4th Sem, MCJ
- 34th K.C Kakati Menorial Inter College/University Debate Competition organized JB college, Jorhat on 19th September 2015:
 - 2nd Best Team: Bhanu Poudel, MA 2nd Sem, EFL and Kalyani Kaushik, B.Tech 6th Sem, Mechanical Engineering
- 53rd Bhola Borooh memorial North East level inter college and University Debate competition organized B. Borooh College on 29th September, 2015
 - 2nd Best Team: Rupjyoti Kalita, MA 4th Sem, MCJ and Uddipana Goswami, MA 4th Sem, MCJ
- Inter University Annual Debate Competition organized by Observer Research Foundation, Kolkata on 7th November, 2015
 - Best Debater for the motion: Kaveri Sarkar, Ingrtd MA, 8th Sem, EFL
 - Best Debater against the motion: Piyashi Dutta, RS, Sociology

University Events

7 August 2015: Tribute to Kaviguru Rabindranath Tagore. A special programme was organized to pay tribute to Kaviguru Rabindranath Tagore on anniversary of death. Prof. Nandita Goswami Bhattacharyya, formerly Vice Principal, Cotton College, Guwahati, graced the occasion as Guest of Honour.

August 15, 2015 and January 26, 2016: Independence Day and Republic Day celebrated

October 2, 2015: A peace concert was organized to pay a tribute to the father of the nation Mahatma Gandhi.



November 5, 2015: A special programme was organized to pay a tribute to Dr Bhupen Hazarika. Noted actor Sri Pranjal Saikia was invited as the Guest speaker for the occasion. Students also performed a few renditions and danced to the compositions of the maestro.



September 23, 2015: Cultural Evening in honour of The Governor of Arunachal Pradesh, Sri Jyoti Prasad Rajkhowa at KBR auditorium.



University Events

November 13, 2015: A play named *Vastraharan* was staged by the students of TU at KBR auditorium.



March 8, 2016: Recital by Padma Vibhusan Hari Prasad Chaurasia at KBR auditorium in association with SPICMACAY



January 17, 2016: A special programme was organized to pay a tribute to Rupkonwar Jyoti Prasad Agarwalla at the community hall. The students and children of the campus dwellers performed to the compositions of the maestro.

ANNUAL MEET 2016

The 19th Annual Meet 2015-16 of Tezpur University started in the month of August, 2015 and the concluding session was held from 18- 20 February, 2016. The first Padmashree awardee in the field of Weight lifting from the North East region and also World champion Madam Namairakpam Kunjarani Devi graced the occasion as the Chief Guest.



Welcome to Tezpur University

The following persons have joined TU since August, 2015

New faculty members

- Dr. Pankaj Kumar Das, Assistant Professor, Mathematical Sc. (Permanent)
- Dr. Sunil Kanta Behera, Professor of Eminence, MCJ (Contract)
- Dr. Sachindra Kumar Borah, Yoga Instructor (Contract)
- Dr. Saurav Bhattacharjee, Assistant Professor, Physics (Contract)
- Shri Muktikam Hazarika, Assistant Professor, MCJ (Contract)
- Shri Amalesh Gope, Assistant Professor, EFL (Contract)
- Dr. D. M. Palaniandavar, Professor of Eminence, Chem. Sc. (Contract)
- Shri Deepshikha Carpenter, Assistant Professor, Social Work (Contract)
- Shri Mahendra Das, MTS (Permanent)
- Md. Islam Ali, MTS (Temporary)
- Shri Bhola Sharma, MTS (Temporary)
- Shri Nayan Jyoti Kalita, MTS (Temporary)
- Shri Clement Kispotta, MTS (Temporary)
- Shri Tridib Ranjan Nath, Technical Assistant, SAIC (Contract)
- Ms. Bidisha Baishya, Office Assistant, Community College (Contract)
- Shri Trilok Narzary, Technical Assistant, CFEL (Temporary)
- Shri Raju Ram Boro, Field Assistant, CFEL (Temporary)
- Dr. Pushpa Renu Bhattacharyya, Research Associate, CFEL (Temporary)
- Smt. Trisha Borgohain, Field Assistant, CFEL (Temporary)
- Md. Nawaz Uddin Helmi, Field Assistant, CFEL (Temporary)
- Smt. Kethosenuo, Field Assistant, CFEL (Temporary)
- Shri Lemaina Veikho Sahiini, Field Assistant, CFEL (Temporary)
- Smt. Barshapriya Dutta, Field Assistant, CFEL (Temporary)
- Dr. Bobita Sarangthem, Research Associate, CFEL (Temporary)
- Smt. Khrievi U, Field Assistant, CFEL (Temporary)
- Smt. Elangbam Manimohan Meitei, Field Assistant, CFEL (Temporary)

New members of the Non-Teaching staff

- Shri Anup Konwar, Coach (Weight Lifting) (On contract basis)
- Shri Jitu Mani Das, Assistant Librarian, Central Library (Permanent)
- Shri Pranjal Jyoti Bhuyan, Technical Assistant, Community College (Contract)
- Shri Sambhunath Sahoo, Information Scientist, Central Library (Permanent)
- Shri Mriganka Mohan Das, Pump Operator, Engg. Cell (Permanent)
- Shri Biswa Kumar Das, Sr. Technical Assistant, Physics (Permanent)
- Shri Jatin Ch. Sarmah, Security Supervisor (Contract)
- Shri Rupjyoti Das, MTS (Permanent)

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