USTM Newsletter

UNIVERSITY OF SCIENCE & TECHNOLOGY MEGHALAYA



Accredited 'A' Grade by NAAC NIRF India Ranking-2023 (151-200)

www.ustm.ac.in

Volume XV, Issue VIII, November 2023

61st All India General Conference and Schools Festival of USO at USTM



The 61st General Conference and All-India Schools Festival started with the participation of more than 150 schoolchildren from various schools in India. Organized by the United Schools Organisation of India (USO) and hosted by USTM, the event was themed the United Nation's SDG 3: A Global Commitment to Well-Being. The event was divided into two significant parts—the conference and the festival. The inaugural ceremony was graced by Ms Nina Jain, Secretary General, USO, Mr Sunil Kumar, Executive Council Member USO, Shri Mahbubul Hoque, Chancellor USTM, Prof GD Sharma, VC and others. Sri Rakkam A Sangma, Education Minister, Government of Meghalaya addressed the gathering through a video-recorded speech. Prof. P. J. Kurien, the President of USO, shared a series of inspiring messages with the delegates.

It was a four-day event, and participants from schools nationwide engaged in thought-provoking activities that promote the ideals of the United Nations and moral values. Competition categories included Declamation (in Hindi and English), On-the-Spot Painting, Solo Dance, Group Dance, and One-Act Play. Beyond the competitions, there was a Peace March, Life Skills Workshop and sightseeing trip provide an opportunity for students and teachers to bond and learn valuable life skills. In the valedictory function, Shri Rajiv Kumar Bora, IAS, former Chairman of the Assam Public Service Commission graced as the Chief Guest and delivered the Keynote address. Mr Ankur Lahoty, Deputy Director General, DDK Guwahati addressed as the guest of honour.

Prizes were distributed to the winners of various competitions. While the Most Disciplined School award went to Sree Vidhyadhari English Medium School, Pulivendra, YSR, Andhra Pradesh, the Best School award went to Sri Sathya Sai Vidya Vihar, Guna Madhya Pradesh. All the participating schools were awarded participation certificates and plaques.



USTM VC led Indian Delegation to Taiwan







An Indian delegation was led by Vice Chancellor USTM Meghalaya Professor Gauri Dutt Sharma to Taiwan from 8th October to 14th October. The delegation includes Dr Pankaj Mittal, the Secretary General of AIU; Prof R. M. Pant, Vice chancellor Assam Central University Silchar; Prof S. P. Bansal, Vice Chancellor Himachal Central University; Prof Neelima Gupta, Vice Chancellor Dr HS Gaur Central University Sagar; Dr Vinay Pathak Vice Chancellor CSJU and Vice President of AIU and Dr Kuldeep Kumar Raina Vice Chancellor of Ramaiah University Bangalore. They visited and interacted with the President, Vice President, Director, and Deans of the six best universities having world ranking and industry laboratories on their campus like National Taipei University of Technology, National Central University, National Tsing Hua University, National Yang-Ming Tung University, National Chung Hsin University and National Cheng Kung University.

Bridging the Gap: Education for All

USTM Neighbourhood Mission





The Department of Rural Development is bringing quality education to the neighborhood village adopted by them. USTM Students were the mentors and taught the village school children. They are making education exciting and sparking curiosity in young minds, trying to bridge the educational gap. They are trying to uplift the children of the society and provide with the bare minimum that they deserve.

PhD Orientation





On 3rd October, USTM hosted Dr. Ashwini Kumar Sharma, Professor at the Indian Institute of Technology Guwahati (IITG), as he shared invaluable insights with over 40 PhD scholars at the PhD orientation program. Dr. Rita Rani Talukdar, Professor and HOD of Psychology at Gauhati University, also spoke on the significance of research methodology in social science research. In the second session, USTM's Academic Registrar, Dr. A.H. Barbhuiyan, opened the proceedings, followed by a speech of Dr. RK Sharma, Advisor at USTM. Dr. Nurujjaman Laskar, Controller of Examination and Admissions, provided insights into "PhD Examination, Rules, and Regulations." The Deans of various schools also welcomed the scholars. Prof GD Sharma, VC of USTM made the welcome address, and Dr BK Das, Pro VC of USTM made the concluding remarks.

MEGA Fresher's Social 2023

To welcome the newcomers to the campus, USTM held a two-day-long Freshers Social on 6th and 7th October. It was organized by the Senior Students Forum (SSF) USTM. Various events such as debate, quiz, singing, dancing, innovation, and start-up competitions, apart from the Mr and Miss Fresher 2023 contests were organized providing students with opportunities to showcase their talents and knowledge. One of the highlights of the event was the ramp competition. The cultural program showcased the rich diversity of talents. The prizes for the various competitions were handed over to the winners by distinguished dignitaries, including Chancellor M. Hoque and Vice-Chancellor Prof. GD Sharma.





The event culminated with prize distribution and cultural performance by students and two exceptional musical talents, Tanmoy Saikia and Nihar Kashyap, who left the audience spellbound with their mesmerizing melodies. Assamese Film Star Jatin Bora was also present as a guest on the occasion. Students performed Sattriya Dance, Mashup Group Song, Solo Dance, Solo Song, Group Dance and enthralled everyone present. The title of Mr Fresher-2023 went to Veto Saviyo Resu, the Miss Fresher title went to Natalia Chetia, Best Smile title went to Kiting Pangkak, Best Personality title went to Antariksh Phukan and Best Costumes title went to Afreen Islam.



Khadi Mahotsav





USTM organized a special campaign titled 'Khadi Mahotsav' with the tagline "Khadi for Nation, Khadi for Fashion". The campaign was conducted by the Khadi & Village Industries Commission across the country from 2nd October to 31st October 2023. The various activities along with a Mini Exhibition was held in the campus.

The State Office, Khadi & Village Industries Commission, Shillong (Meghalaya) conducted various programs under this Khadi Mahotsav at USTM. The programmes include Seminar, Khadi Yatra, Khadi Pledge and Mini-Exhibition including Khadi Charcha at USTM, wherein Dr. Papiya Dutta, HOD, Department of Rural Development USTM, Dr. Saiyyad Alamdar Husain, Assistant Professor, Department of Food Science & Technology and other faculty members from the department of Rural Development and department of Social Work participated.

Hands-on Training Programme on GCMS and AAS





A hands-on training programme on Gas Chromatography Mass Spectrometry (GCMS) and Atomic Absorption Spectroscopy (AAS) took place at Advanced Research Centre, USTM from 3rd to 6th October. It was an opportunity for all the science enthusiasts. It was a cohort of 40 participants hailing from distinguished institutions namely Tezpur University, Assam University, Bodoland University, Nagaland University, Assam Don Bosco University, apart from participants of USTM.

Seminar on MSME Schemes for Sustainability, Equality & Skill Upgradation





On 4th October, the Department of Business Administration organized a seminar on MSME Schemes for Sustainability, Equality, and Skill Upgrade. The resource persons were Mr. Aman Deep, Director, KVIC, Ministry MSME, Assam, & Mr. Nilesh Trivedi, Assistant Director, MSME, Tura, Meghalaya.

Seminar on Scientific Coconut Cultivation





In a significant effort to empower rural farmers and promote sustainable agriculture, the Coconut Development Board NE Region under the Ministry of Agriculture and Farmers' Welfare, Government of India, joined hands with the Department of Rural Development and organized a Block-Level Training Program.

The primary objective of this training was to impart essential knowledge and skills in scientific coconut cultivation to the farming community. The event witnessed active participation from 50 enthusiastic farmers hailing from 12 villages of All Kling Dorbar on 6th October. Distinguished speakers at the training program include Dr. Sarat Saikia, Principal Scientist from the Horticulture Research Station, Azara, and Ms. Panchi Rajkhawa, Senior Scientist from the Coconut Development Board, NE Region.

Workshop on Studying Abroad





On 14th October, USTM featured Mr. Gulzar Hussain, a London School of Economics graduate who took a session that delved into scholarships, funding, and career prospects. Students learned about various scholarship options, application processes, and the transformative benefits of an international education.

Innovation Spotlight: Lipunjoy Swargiary



Lipunjoy Swargiary a student of USTM created a ground-breaking drone project that serves a multitude of purposes. This remarkable invention can function as a metal detector for defence applications, provide essential relief items to those affected by natural disasters, and so much more. The Chancellor showered him with encouragement, appreciation, and unwavering support.

Awareness on Sanitation



On 3rd October, the students of the Computer Science Department marked Gandhi Jayanti with a meaningful sanitation drive carried out under the banner of the 'Swachh Bharat Mission' (Clean India Mission). The event took place at Rangsakona Secondary School, 15th Mile, Byrnihat, Meghalaya. They educated on women's hygiene in rural areas, debunked myths about menstrual hygiene, and emphasized the importance of cleanliness for health and the environment.

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World Wildlife Week 2023





On 4th October, USTM hosted Shri BN Taludar, Retd. Deputy Conservator of Forests from the Department of Forests, Govt of Assam, as the esteemed Guest of Honour for the celebration of World Wildlife Week 2023, organized by the Department of Zoology. The event emphasized the protection, preservation, and cherishing of the diversity of our precious wildlife.

Chancellor Felicitates Youngsters





Hon'ble Chancellor USTM, Shri Mahbubul Hoque felicitated the children from Central Public School Patharkandi and Central Public School Badarpur who visited USTM recently. The children also presented some creative activities before the Chancellor.

Free Eye Check-up





On 18th and 19th October a free eye check-up medical care camp was organized by the Department of Physiotherapy, USTM in collaboration with Sri Sankardeva Nethralaya, Guwahati. The camp was held at the University Hospital of Ayurveda and Naturopathy, UHAN.

Outreach and Exploration Program





The School of Pharmaceutical Sciences at USTM, in collaboration with BIONEST, IASST, Guwahati, hosted an engaging Outreach and Explore Visit program on 10th and 11th October. The B. Pharm final year students, along with faculty members Dr. Sudarshana Borah, Bhanita Das, Walkime Marak, and Replantful Chiangkata, attended a "Demonstration Session on Innovation and Entrepreneurship". The event featured insights from Dr. Tania Paul Das, Manager of Science & Technology and Mr. Sagar Kumar, Manager of Incubation & Outreach at Bionest-IASST. They led engaging sessions covering various facets of incubation at BIONEST, IASST, the path to becoming a student entrepreneur, topics like Innovation, Entrepreneurship, Pitching, Grant Writing, and provided valuable information on startup funding schemes, Northeast startup companies, and notable Indian unicorn start-ups.

Educational Excursion to Darjeeling and Nepal





An educational excursion to Darjeeling and Nepal was organized by the Department of Zoology, USTM, for the MSZ 3rd semester and BSZ 5th semester students. Guided by 5 faculty members, viz. Dr. Alika Borphukan Borah (HoD), Dr. Dipankar Dutta, Dr. Kangkan Jyoti Sharma, Mr. Syed Rizaul Karim Ahmed and Mr. Sudipta Nag, the students proceeded from the University on 13th October, 2023 to Darjeeling. In Darjeeling, they visited Padmaja Naidu Himalayan Zoological Park, the Himalayan Mountaineering Institute, and the tea gardens.

Educational Tour cum Institutional Visit





An Educational Tour cum Institutional Visit was organised by the Department of Political Science for the UG and PG students of the Final year from the 19th- 27th of October. On 21st October, the team visited the most coveted Prime Minister's Museum formerly Nehru Memorial Museum. The team then visited various places of Geopolitical importance at Kullu and Manali including Atal Tunnel, Rohtang Pass, Hidimba Temple, Solang Valley, etc. On 25th October they visited Jawaharlal Nehru University.

STUDENT ACHIEVEMENT

Poetry and Singing







Mr Suvrojyoti Seal

Miss Arindita Bharali of BBT 1st sem received 1st runners up in a poetry competition (Rhapsody) and Mr Suvrojyoti Seal BMB 1st sem received 3rd prize in a solo singing competition in Euphoria 23 - an inter-college competition held at NEIGRIHMS, Shillong held from 25th September to 1st October.

Technophilia Champion



Students of BBA 1st semester namely Rasiduz Zaman, Aditya Chetiya, Aniqa Nawaz, Tushita Sutradhar, Arif Mirza Thakuriya along with the department of Computer Science and Physics who attended the Technophilia Competition, organized by Royal Global University, had won two positions namely: Robo Soccer 1st prize and Robo Race - 2nd prize.

EUPHEMOS: 1st All North-East B-schools Meet



Afreen Islam, MBA 1st-semester student from the Department of Business Administration at USTM secured the 2nd Prize in the Dance Competition at the "EUPHEMOS: 1st All North-East B-schools Meet" organized by the MBA department of Guwahati University. This incredible feat was part of the celebrations for their 45th anniversary from October 13th to 14th, 2023.

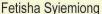
Royal Lex Fiesta



Shaswat Sahu

Syed Shabaz Ali







Miss Queen Salma

Students from the University School of Law and Research, USTM shined at the Royal Lex Fiesta organized by Royal Global University, Guwahati. Shaswat Sahu from BBA.LLB 1st semester and Syed Shabaz Ali from BA.LLB 3rd semester clinched the 1st Prize in the Crime Scene Investigation category. Fetisha Syiemiong from BA LLB 7th Semester has secured the Second prize in the Judgement Writing Competition category. Miss Queen Salma, a student of BA. LLB 3rd semester secured the second position in the Poster Making Competition.

Treasure Hunt



Robiul Hussain (MBA), Deep Jyoti Haloi (BBA), Suboshree Nath (MBA), and Rizuwan Akin Ahmed (MBA) from the Department of Business Administration, USTM, clinched the top spot in the Treasure Hunt competition at EUPHEMOS: 1st All North-East B-schools Meet at Gauhati University.

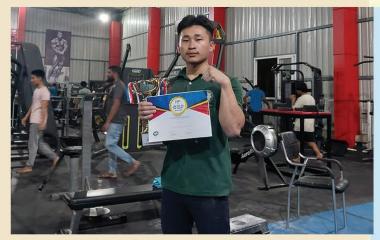
SPORTS ACHIEVEMENT

Volleyball



On 4th October, USTM Volleyball Team emerged as champions at the GWGGW Volleyball Tournament organized by the Guwahati District Committee of ABSU.

Arm Wrestling



On 12th October, Mr. S Dhole Key, BFST 5th semester student of the Department of Applied Biology, USTM got 1st place in the Arm Wrestling competition at the "College ke cool kalakar" contest sponsored by Fast Energy Drink of Annapurna.



Jilul Hassan, a student of 3rd semester of BBA has clinched 1st place in the Arm Wrestling competition at the "College ke cool kalakar" contest sponsored by Fast Energy Drink of Annapurna.

Tennis



Tania Kumari, a student of BA Political Science reached Quarters (defeating the 11th seed) in singles and reached Doubles Semi-Finals (defeating the 4th seed) in National Series Tournament under All India Tennis Association held at Jhajjar, Haryana.

Martial Arts



Team USTM participated at the 8th National Jeet Kune Do Championship for Martial Arts, held in Srinagar, Jammu and Kashmir & brought glory to the University. Chinmoyee Rajkhowa and Baishali Buraguhain have clinched the Gold Medals and Prayashi Chutia got the silver medal. Gratitude to the incredible Team Coach, Chinmoyee Rajkhowa, for leading the champions to victory.

FACULTY ACHIEVEMENT

Dr. Faizuddin Ahmed, from the Department of Physics at USTM, has been recognized among the World's Top 2% Scientists in 2023 by Stanford University. Dr. Ahmed's work in Theoretical Physics, focusing on General Relativity and quantum mechanics, has earned him this prestigious honour for the fourth consecutive year. He



has published 116 research papers in renowned journals, including The European Physical Journal C and Scientific Reports.

On 4th October, **Dr. Sudarshana Borah**Khanikor, received the Certificate of Excellence as a peer reviewer at the journal 'Ophthalmology Research: An International Journal'. Dr. Khanikor, who is a faculty member of our School of Pharmaceutical Sciences at USTM, was honoured with the prestigious 'Best

Teacher Award 2023' by Research India Foundation in Bhubaneswar, Odisha, India. Dr. Sudarshana Borah Khanikor who is a 'Dignitary Fellow Member', of the International Organization for Academic and Scientific Development (IOASD), was selected as the first woman Central Committee Member of IOASD among 10 International members all over Asia. Dr. Khanikor was also selected as Chief Editor of the upcoming International Journal 'International Academic and Scientific Journal of Pharmaceutical Sciences'.

Dr. Tamanna Bhuyan, Assistant Professor, Department of Applied Biology, has received the "WOMEN SCIENTIST AWARD, National Level" from the Microbiologists Society India.



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Dr. Jharna Sharma, a Faculty member of the Department of Economics at USTM, has been crowned the prestigious title of Mrs. India 2023 Social Impact Queen at the Queen of the World India Pageant, which took place in Jaipur and Delhi from October 14th to 19th, 2023.



Dr. Priyanka Shankarishan, Assistant Professor, Department of Applied Biology, and Mr. Munquad Habibi, a student of B.Sc Biotechnology 5th Semester, Department of Applied Biology jointly published an Indian Patent under the title of invention "An Efficient Hand-Powered Bamboo Flashlight for Emergency Situation".



Dr. Shamikhu Changmai, from the Earth Science Department, has received approval from ISRO, Department of Space, Govt. of India, for his project on "Geospatial Study on Ecology and Conservation Status of Feral Horses (Equus ferus) of Assam."



Ms. Bhanita Das and **Mr. Prasanta Deka,** Faculty Members of the School of Pharmaceutical Sciences, USTM received a recognition of 'Best Teacher Award 2023' by Research India Foundation, Bhubaneswar, Odisha. India.



Prof. (Dr.) Pallab Kalita, the Principal of Pharmacy College USTM and Deputy Registrar at USTM, received a U.S. Patent for his ground-breaking invention, the 'Portable Insulin and Vaccine Storage Device'. And also got his Indian Patent published under the title of



invention 'RP-HPLC method development and validation for simultaneous analysis of Daclatasvir and Asunaprevir in bulk and pharmaceutical dosage form'.



Ms. Kaynaz Hussain, published her paper 'An Understanding of the Latest Pathophysiological Mechanisms of Pancreatic Cells in Diabetes' at UGC Care Listed category II journal 'Journal of Advanced Zoology'.





published two Indian Patents on: "Synthesis of rhamnolipid biosurfactant coated zinc-oxide nanoparticle, its Anticancer potential against Human breast cancer cell lines and Rhamnolipid biosurfactant coated iron nanoparticle: A credible approach towards potential petroleum hydrocarbon remediation".

Research Papers Published during October 2023

SL. NO.	NAME OF THE FACULTY	DEPARTMENT	JOURNAL NAME	TITLE	IMPACT FACTOR
1.	Dr. Sudin Ganguly	Physics	APS Journal Physical Review B	Thermoelectric Phenomena in an Antiferromagnetic Helix: Role of Electric Field	3.7
2.	Mr. Aditya Bora & Mr. Rudra Prasad Adhikari	Pharmaceutical Sciences	Journal of Drug Delivery and Therapeutics	Overview of Analytical Methods for The Determination of H2 Receptor Blockers: A Review	0.5
3.	Mr. Aditya Bora	Pharmaceutical Sciences	Indian Journal of Natural Sciences	Herbal Nanotechnology: Innovations and Applications in Modern Medicine	2.452
4.	Ms. Nasrin Abdin	Pharmaceutical Sciences	China Petroleum Processing and Petrochemical Technology	Role of Morphometry in Diagnosing Premalignant And Malignant Lesions in Liquid Based Cytology Cervical Smear	1.19
5.	Kaynaz Hussain	Pharmaceutical Sciences	Journal of Advanced Zoology	An Understanding of the Latest Pathophytological Mechanisms of Pancreatic Cells in Diabetes	0.014
6.	Ms. Sabita Bhagawati	Business Administration	Dribhasi Rastrasewak	Commercial Perspective in Majuli Culture - A Case Study	Na
7.	Ms. Sabita Bhagawati	Business Administration	Satsori	Review on A Book of Personal Finance Management	Na
8.	Dr. Md. Nazeer Hussain	Political Science	Bihar Journal of Public Administration	Role of Bihar Human Rights Commission in Protection of Human Rights: Challenges and Prospects	Na
9.	Sarmistha Choudhury & Dr. Gayatree Goswamee	PQSE	History Research Journal	Influence of Parental Aspirations on Career Preference of Adolescents	Na
10.	Dr. Mohit L. Deb	Chemistry	Chemistry select	Photocatalyst-Free Visible-Light-Promoted C-3- Alkylation of Indoles Through C-H Functionalizations of N,N-Dialkylanilines	2.307
11.	Dr. Mahsina Rahman	Economics	Sodh Prabha	Problems of Organic Farming in Assam. A Case Study of Barpeta District	Na
12.	Dr. Jhorna Sharma	Economics	Journal of The Asiatic Society of Mumbai	Does Microfinance and Self Help Group Lift Rural Poor- An Empirical Study	Na
13.	Dr. Kabita Ghosh	English	Journal of English Language Teaching (JELT)	Necessity for Teachers' Professional Development: Vis-A-Vis Learner Needs	Na



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PLACEMENT







USTM students Bhabani Paul, Sandhya Rani Mishra, and Nilufar Ahmed got selected at Rahman Hospitals Pvt. Ltd. as HR Executive.



MCA student Sayed Md Shamim Afridi was placed as a Vocational Service provider (Private Security) for National Skills, Qualification Framework under Samagra Shiksha, Government of Assam.



Student Akhlakul Aziz got placed at Axis Bank as Assistant Manager, Training & Placement Division.

Distinguishead Visitors

- Dr. Ashwini Kumar Sharma, Professor at the Indian Institute of Technology Guwahati (IITG).
- ❖Dr. Rita Rani Talukdar, Professor and HOD of Psychology at Gauhati University.
- ❖Mr. Aman Deep, Director, KVIC, Assam (Ministry of MSME).
- Shri BN Talukar, Retd. Deputy Conservator of Forests from the Department of Forests, Govt of Assam.
- Mr. Gulzar Hussain, a London School of Economics graduate.
- ❖Dr. Sarat Saikia, Principal Scientist, Horticulture Research Station Kakhikuchi Azara.
- ❖ Panchi Rajkhawa, Sr. Scientist, Coconut Development Board, NE Region.





Washim Ahmed and Jannatul Sakira, students of MCA and M.Sc. got placed as Data Entry Operator at Bureau of Indian Standards and as Vocational Trainer (Agriculture) for the National Skills Qualification Framework under Samagra Shiksha, Govt. of Assam.

Upcoming Events -

- 13th InSPA International Conference on Technology in the Practice of School Psychology (3rd-05th November 2023)
- Workshop on Qualitative Research Methodology (1st week of November)
- Workshop on Prospect of Soft Computing (3rd to 4th November 2023).
- Workshop on Geospatial Skills: Discover the Earth Digitally (1st-8th November 2023)
- National Legal Services Day (9th November 2023).
- 2nd International Conference on "Innovations in Management, Science, Technology, and Automation in Sports" (3rd – 4th November 2023)

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