



DELTA



A NEWSLETTER OF ULUBERIA CALCUTTA INSTITUTE OF TECHNOLOGY ALUMINI ASSOCIATION (UCITAA)

December 2022

Volume 1

ABOUT INSTITUTE

Calcutta Institute of Technology (CIT) was established in 2004 and now is one of the pioneer educational Institutes in the state of West Bengal. At present the Institute runs six Bachelor courses in Engineering in Computer Science and Engineering (CSE), Electronics and Communication Engineering (ECE), Chemical Engineering (CHE), Electrical Engineering (EE), Mechanical Engineering (ME), Civil Engineering (CE). and two post graduate courses namely Master in Computer Application (MCA) and Master in Chemical Engineering (MCHE). The Institute has collaborations on some specific fields with other Institutes of repute e.g. virtual laboratory with IIT Kharagpur, Robotics Laboratory with IIT Bombay, member of NDLI club. The Institute has undergone MOUs with a number of Industries/ organizations for carrying out joint training, workshops, seminars, to name a few, DGT Pvt. Ltd., Infosys Ltd., Capsule Laboratory. The Institute bagged a DST-SERB project worth more than Rs 50 lacks to establish a “biosensor laboratory”. This laboratory is utilized for Master’s projects and research work in general. Very recently CIT became a member of National Digital Library and also constituted Institute’s Innovation Cell (IIC), Industry-Institute Interaction Cell (IIIC) and also Alumni Association. The basic objectives of IIC would be to promote innovative projects by the students, collaborate with industries and establish an incubation center. The executive committee of the Alumni Association looks after the activities such as annual get-together, Reunion, Alumni day celebrations with national technical seminars.

VISION

To be a pioneer technical Institute recognized for excellence in education, research, innovation and societal contributions

MISSION

- To produce knowledgeable and motivated engineers, future innovators and entrepreneurs catering to the needs of the industry, the society and the nation
- To promote innovation through independent and collaborative research
- To inculcate human values and professionalism in students by providing right ambience for social activities

ABOUT UCITAA

UCITAA brings former students together to maintain a connection with their Institute and fellow graduates. This provides a platform for current students to connect with graduate students which allows to reap a lot of different benefits.

The main aim to publish this e-newsletter is to keep in regular touch with all of our alumni and friends and to share their success stories to the current students. This Newsletter also updates our alumni about the ongoing activities and developments of their alma mater.

"I, on behalf of Calcutta Institute of Technology, welcome you all to this first issue of our Newsletter, DELTA. This time we have made it very brief and included some highlights of CIT events and achievement such that the Alumni members may realize the present status of their alma mater. However, we would like to concentrate more on the update on your achievement, promotion, transfer, etc. You are also requested to submit any write-up on contemporary topics, poem, photographs etc. to our official email address.



I hope you have enjoyed our previous programs and would like to meet you in February 2023 on the occasion of "Alumni Day".

*With best wishes,
Priyabrata Sarkar
Director (Academics)*

MESSAGE FROM PRINCIPAL-IN CHARGE

DR. KRISHNENDU PRAMANIK

"It is a matter of great pride and satisfaction for Calcutta Institute of Technology to bring out the Newsletter 'DELTA'. The college has made tremendous progress in all areas academic, non-academics, capacity building relevant to staff and students. I am confident that this Newsletter will send a positive signal to the staff, students and the alumni. A Newsletter is like a mirror which reflects the clear picture of all sorts of activities undertaken by the all departments in general.



I congratulate the Editorial Board of this Newsletter who have played wonderful role in accomplishing the task in record time. I express my deep sense of gratitude to the Director (Academics) Prof. Priyabrata Sarkar under whose guidance this technical work has been undertaken and completed within the stipulated time. Also, my heartfelt Congratulations to staff members and Students for their fruitful effort."

*With Best Wishes
Dr. Krishnendu Pramanik
Principal-In Charge*

FEBRUARY 2022

- Seminar Organized by Chemical Engineering Department on "Real time experience in Oil Refinery Expansion Project" on 24th February 2022. The honorable speaker was Mr. Uttam Kumar Basu, former Managing Director and CEO of Mangalore Refinery and Petrochemicals Ltd (MRPL).

MARCH 2022

- Online Workshop on Industrial Automation organized by Electronics and Communication Engineering Department on 15th March, 2022. The speaker was Mr. S.K Amirul, an expert from industry.
- An industrial visit at IOCL(Haldia) was organized by Chemical Engineering Department on 22nd March, 2022 with 40 undergraduate students and 5 faculty members.

APRIL 2022

- IoT Day was organized by MCA Department on 21st April, 2022. The masterclasses were taken by top global IoT architect Mr. Atanu Roy Chowdhury.

MAY 2022

- Tech Expo was organized by Calcutta Institute of Technology along with various schools and colleges. Total 36 projects were presented by students.
- Tree Plantation was organized by Calcutta Institute of Technology in collaboration with Switch-On foundation on 12th May 2022. More than 100 students participated and planted over 90 saplings.
- Blood Donation camp was organized by Calcutta Institute of Technology and National Blood Donation Bank, Calcutta Medical College. More than 80 students and 20 faculty members donated blood. 72 kits of blood finally donated by the institute.
- Webinar on Data Science, Machine learning and Career Transition by Mr. Bishwarup Biswas, Associate data Scientist, Quick Ride was organized by Chemical Engineering Department on 30th May 2022.

JUNE 2022

- Awareness program on Universal Human Value (UHV)-1 was conducted by trained faculty from our institute on 2nd June 2022. The aim of the program was to encourage faculty members to undergo UHV program.

JULY 2022

- Industrial talk was conducted by Mechanical Engineering Department on 17th July 2022. The resource person was Mr. Pritam Ghoshal, Chief Manager of Haldia Petrochemical Ltd (Polypropylene Manufacturing Unit).



INDUSTRIAL TALK SERIES
Episode - 02

Mr. Pritam Ghoshal
Chief-Manager - Polypropylene Manufacturing
Haldia Petrochemicals Limited

**" Process Safety Management
in Petrochemical Industries "**

on
17th July, 2022 at 6 P.M.

Google Meet

Dr. Priyabrata Sarkar
Principal-in-charge, CIT

Coordinators : Mr. Partha Sarathi Ghosh, TIC ME
Mr. Avishek Mukherjee, ME

AUGUST 2022

- Online webinar was organized by Department of Electronics and Communication Engineering on Industrial Automation- "A revolution towards Aatmanirbhar Bharat" on 15th August 2022. More than 100 students joined the online webinar. The invited speaker was Mr. Sk Aminul, a resource person from industry.

SEPTEMBER 2022

- Freshers Welcome was organized by 2nd year B.Tech and Diploma students to welcome 1st year B.Tech and Diploma students.
- Department of Electronics and Communication Engineering has organized a Webinar on Radar and Navigation on 14th September, 2022. Eminent Speaker Prof. Dr. Ashik Paul, Department of Radio Physics, University of Calcutta.



NOVEMBER 2022

- Motivational Session by successful entrepreneur/scientist as part of IIC calendar activity was conducted on 4th November 2022. Eminent speaker Mr. Gautam Ganguly, Director and Founder of Chemisol Pvt Ltd had shared his experience with students and faculty. Students had presented their project ideas and received valuable feedback from Mr. Ganguly.
- A motivational talk by Indian Navy officer Mr. Anuj Shrutikar was arranged on 4th Nov to encouraged students joining Indian Navy. He had shared his experience during his training and service life.
- Awareness program on student credit card was conducted by Calcutta Institute of Technology to help students with their loan and payment process. Many students got benefited by this program. More than 70 students joined the program.
- IIC conducted a talk on "Plastic: An overview for India" on 9th November as a part of IIC Calendar activity. The eminent speaker was Mr. C. Dasgupta, Application Marketing Manager of Bourges India Ltd.



NOVEMBER 2022 (CONTD..)

- Alumni Meet was organized on 19th November 2022. There was interactions between Alumni members and present students apart from a number of technical presentations by noted Alumni members e.g. Mr. Arka Mukhopadhyay, Mr. Subham Hazra, Mr. Soumen Sardar, Mr. Suman Manna, Mr. Sambit Ray. The celebration ended with some recreational activity and sports.



- Janajatiya Gourav Diwas was celebrated on 15th November in our campus. Government of India has decided to celebrate November 15 as 'Janjatiya Gaurav Diwas' to mark the birth anniversary of Tribal Freedom Fighter "Birsa Munda", who was not only a freedom fighter but also social reformer and led the tribal movement against exploitative systems of British Colonial Govt. Faculty members discussed on his life and work.



NOVEMBER 2022 (CONTD..)

- National Education day was organized by IIC on 11th November. This day is being celebrated in India to commemorate the birth anniversary of Maulana Abul Kalam Azad, the first Education Minister of India. The eminent speaker of the program was Mr. Tuhin Chatterji, Director CII. More than 100 students and faculty joined the talk on that day.



- A workshop was conducted in collaboration with SwitchON Foundation on Environmental Climate change on 15th November. SwitchON Foundation is registered as the Environment Conservation Society, working across four major verticals – Clean Energy, Climate Smart Agriculture, Skilling and Just Transition & Environment and Climate Change

- A motivational talk was organized by IIC on 15th November to encourage students to join Indian Navy. Commander Mr. Anuj Shrutikar from Indian Navy along with his 14 colleagues visited our campus in bikes and interacted with students.



Dr. Sourav Chatterjee received his B.Tech in Chemical Engineering from Calcutta Institute of Technology in 2010. He received his MSc (with distinction) and PhD from Queen's University of Belfast, UK for the design of radiofrequency heated microreactor for fine chemical synthesis. His research was highlighted in the cover of Chemical Engineering Journal. He received postdoctoral research fellowship from Max Planck Society in Germany and continued his research in Max Planck institute of Colloids and Interfaces in Potsdam and developed automated flow chemical platforms for controlling chemical glycosylation and multistep organic synthesis. He applied machine learning algorithms combined with computational chemistry and automated platform to predict stereoselective outcome of chemical glycosylation. He has worked on research projects funded by ERC and DARPA. He also recently obtained research grant from NCCR Catalysis at ETH Zürich. He has published in some of the most prestigious scientific journals like JACS, Chemical Engineering Journal, Chemical Science and Nature. Currently he is the Team Leader of Automation and AI in Chemistry and Catalysis at ETH Zürich, and he will be joining the Department of Chemical Engineering at University of Bath as a Lecturer (Assistant Professor) from February 2023.

Dr. Niwesh Ojha had completed B.Tech on in Chemical Engineering in 2015. He received M.E. in Chemical Engineering from Jadavpur University, Ph.D. in Chemical Engineering in 2021 from IIT Patna and Post doc from IITK. He has been awarded post doc fellowship in UAM Morasko, Poland.

Mr. Soumen Sardar has graduated in Computer science and engineering department in 2015. He is currently working as Lead Data Scientist at Smiths Detection. He is also pursuing his online Master of Science in Data Science from Liverpool John Moore's University.

Dr. Palash Dhara completed B.Tech in Chemical Engineering in 2010 from CIT (WBUT). After that, he received M.E. in Chemical Engineering in 2012 from Jadavpur University, Kolkata, and Ph.D. in Chemical Engineering in 2020 from IIT Kharagpur. A part of his research has already been published in various renowned international journals (Sci. Rep., J. Phys. Chem. B., J. Mol. Liq., RSC Adv., Sens. Actuators B Chem., etc.) from Nature, American Chemical Society, The Royal Society of Chemistry, etc. Currently, he is working as a postdoc fellow at IIT Gandhinagar.

Dr. Pabitra Baidya recently has been awarded PhD in Chemical Engineering Department from Jadavpur University in 2022.

NOTE: This time we could not accumulate achievements/good news from most of alumni members due to the lack of time. However all are requested to inform of any achievements to the following email id, so that we are able to publish the same in the forthcoming issue.

Email id: alumni@citulb.in

- Calcutta Institute of Technology has formed **Institute's Innovation Council (IIC)** in July 2022. Presently one of the existing laboratories of CSE Department has been allotted for activities of IIC.
- "CALCUTTA INSTITUTE OF TECHNOLOGY" is registered as a **NDLI Club under the National Digital Library of India**. Registration Number: INWBNC5KQCSCAFU, Date Of Registration: 12/04/2022, Valid Upto: 12/04/2023.
- Indian Institute of Chemical Engineers (IICChE)** is the apex professional body of chemical engineers in India. Calcutta Institute of Technology Uluberia is awarded Institute membership in December 2022.
- Calcutta Institute of Technology has signed MoU with **Upgrad** which is recognized by NSDC or National Skill Development Corporation and associated with many universities and institutions that are UGC approved. This will help students get jobs through specialized training.
- Calcutta Institute of Technology has gone into agreements with two professional bodies which will facilitate our students securing jobs. CIT has also established its own training and placement section by recruiting a permanent TPO and forming a team which will look after internship, plant visits, placement as parallel activities.
- Dr. Palash Sahoo, Dr. Ritima Banerjee, Dr. Monal Dutta and Dr. Krishna Kumar Jha have undergone **Innovation Ambassador (IA)** training 'Foundation Level' conducted in online mode by MoE's innovation cell and AICTE during the IIC calendar year 2021-2022.
- Calcutta Institute of Technology has signed MoU with **SwitchON Foundation** Environment Conservation Society (SwitchON Foundation) and many innovative projects, workshops, seminars have been organized successfully in the areas of Renewable Energy Access, Agriculture & Livelihoods, Skilling & Education and Environment and Climate Change.



Dr. Abhishek Sen, Assistant Professor, Mechanical Engineering Dept.

Journal Publication

- Ghosh, P. S., Sen, A., Chattopadhyaya, S., Sharma, et al. (2022). "Progressive Developments and Challenges in Dissimilar Laser Welding of Steel to Various Other Light Alloys (Al/Ti/Mg): A Comprehensive Review." Heliyon, Elsevier. e11710. DOI: 10.1016/j.heliyon.2022.e11710
- Ghosh, PS, Sen, A, Chattopadhyaya, S, Sharma, et al. (2022). "Numerical investigation of thermal residual stress distribution for the sustainability of laser welded joints of dissimilar materials." Materials Today: Proceedings). DOI:10.1016/j.matpr.2022.11.097.
- Banerjee, N., A. R. Biswas, M. Kumar, A. Sen, and S. R. Maity. (2022). "Modeling of laser welding of stainless steel using artificial neural networks." Materials Today: Proceedings. DOI: 10.1016/j.matpr.2022.05.278.

Book Chapter

- Sen, A., Doloi, B., & Bhattacharyya, B. (2022). Nanosecond Pulsed Fiber Laser Micro-drilling on Quartz, Ed: Chatterjee. P. et. al. AAP Research Notes on Optimization and Decision Making Theories, Frontiers of Mechanical and Industrial Engineering, Apple Academic Press, Inc. USA. ISBN: 9781774911303.
- Pandey, M., Sen, A., Doloi, B., & Bhattacharyya, B. (2022). Modeling and Optimization of Fiber Laser Marking on Stainless Steel 304, Ed: Chatterjee. P. et. al. AAP Research Notes on Optimization and Decision Making Theories, Frontiers of Mechanical and Industrial Engineering, Apple Academic Press, Inc. ISBN: 9781774911303.

Best Paper Award

- RAEM 4052 - N. Banerjee, A. R. Biswas, M. Kumar, A. Sen, S. R. Maity, "Modeling of Laser Welding of Stainless Steel Using Artificial Neural Networks" in Recent Advances in Engineering Materials (ICRAEM 2022) held on 03 - 05, March 2022 at Alva's Institute of Engineering & Technology, Moodbidri, Karnataka, INDIA.

Invited Speech

- Given an invited speech on the Inaugural of EDUSTEMZONE, Kolkata dated 20.01.22.

Faculty Development Program

- Successfully completed Faculty Development Programme (FDP) on "Mentors Program and Its Benefits in Technical Institution". 07.03.22 to 12.03.22 from NIT Silchar

Sports Activity at CIT"

- Winner in Table Tennis (2022)
- Winner in Carrom (2022)

Dr. Saddam Hossain, Assistant Professor, Mechanical Engineering Dept

- Awarded Ph.D. on 03/11/2022 from National Institute of Technology, Sikkim.

Journal publications:

- Mullick, S.H., DasGupta, D. and Kundu, P.K., Numerical investigation on natural convection inside closed cavity to create thermally active region with periodic heating/cooling. Journal of Thermal Analysis and Calorimetry. 2022. (I.F. 4.755)
- Mullick, S.H., DasGupta, D. and Kundu, P.K., Numerical Study on Natural Convection and Entropy Generation inside a Fluid Saturated Square Porous Enclosure with Non-Uniform Heating from Top. J. Porous Media, vol. 265, no. 1, pp. 83-102, 2022. (I.F. 1.752)
- Mullick, S.H., DasGupta, D. and Kundu, P.K., Numerical Examination on Natural Convection and Entropy Formation inside Air Saturated Porous Enclosure to Create Thermal Active Region with Periodic Heating/ Cooling. J. Porous Media, 2022. (I.F. 1.752)
- Mullick, S.H., DasGupta, D. and Kundu, P.K., Influence of Lower Period of Heating and High Buoyancy inside Fluid Saturated Porous Enclosure on Transient Natural Convection. Sadhna. 2022.

Mr. Amit Ratan Biswas, Assistant Professor, Mechanical Engineering

Conference Proceeding

- Banerjee, N., A. R. Biswas, M. Kumar, A. Sen, and S. R. Maity. (2022). "Modeling of laser welding of stainless steel using artificial neural networks." Materials Today: Proceedings.

Conference

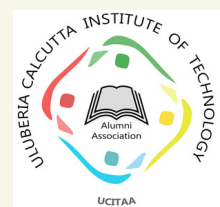
- "Modelling of laser welding of stainless steel using artificial neural networks" in the 2022 International Conference on Recent Advances in Engineering Materials (ICRAEM 2022) held at Alva's Institute of Engineering and Technology, Moodbidri, Karnataka, India during 03-05, March 2022

Dr. Sumit Banerjee, Assistant Professor, Mechanical Engineering Dept.

- Awarded Ph.D. with effect from 26/05/2022 from IEST Shibpur.
- Banerjee, S., & Dey, N.C. (2022). An OEE based approach to identify impact of vulnerable sub-systems on the continuity of coal mining operation. Journal Of The Institution Of Engineers (India): Series D, DOI: 10.1007/s40033-021-00315-9

Mr. Partha Sarathi Ghosh, Assistant Professor, Mechanical Engineering

- Numerical investigation of thermal residual stress distribution for the sustainability of laser welded joints of dissimilar materials, PS Ghosh, A Sen, S Chattopadhyaya, S Sharma... - Materials Today: Proceedings, 2022
- Progressive developments and challenges in dissimilar laser welding of steel to various other light alloys (Al/Ti/Mg): A comprehensive review, PS Ghosh, A Sen, S Chattopadhyaya, S Sharma... - Heliyon, 2022



Mr. Nirvik Banerjee, Assistant Professor, Mechanical Engineering Dept.

- Mr. Nirvik Banerjee has been the research paper entitled "Modelling of laser welding of stainless steel using artificial neural networks" in the 2022 International Conference on Recent Advances in Engineering Materials (ICRAEM 2022) held at Alva's Institute of Engineering and Technology, Moodbidri, Karnataka, India during 03-05, March 2022

Dr. Ritima Banerjee, Assistant Professor, Chemical Engineering Dept.

Journal Publication

- Banerjee, R., & Ray, S. S. Sustainability and Life Cycle Assessment of Thermoplastic Polymers for Packaging: a Review on Fundamental Principles and Applications. Macromolecular Materials and Engineering 2022.

Book Publication

- Ray SS, Banerjee R. (2022). Sustainable Polylactide-Based Blends. Amsterdam: Elsevier.

Dr. Rajesh Ghosh, Assistant Professor, Chemical Engineering Dept.

- R Shashikumar, Rajesh Ghosh, B S Ravindranath, Lakshmi B S, A Comprehensive review on antihyperglycemic phytochemicals from Western ghats plant species and their mechanism of action, Research Journal of Biotechnology., Page 144-155, 07(17), 2022,

Dr. Anindita Laha, Assistant Professor, Chemical Engineering Dept.

Journal Publication

- A. Kamath, A. Laha, S. Pandiyan, S. Aswath, A.K. Vatti, P. Dey, Atomistic investigations of polymer-doxorubicin-CNT compatibility for targeted cancer treatment: A molecular dynamics study, Journal of Molecular Liquids, (2022), 118005.
- S. Mitra, T. Mateti, S. Ramakrishna, A. Laha, A Review on Curcumin-Loaded Electrospun Nanofibers and their Application in Modern Medicine, JOM, (2022), 1-16.
- T. Mateti, A. Laha, P. Shenoy, Artificial Meat Industry: Production Methodology, Challenges, and Future, JOM (2022), 1-17.
- T. Mateti, K Likhith, A. Laha, G. Thakur, A critical analysis of the recent developments in multi-stimuli responsive smart hydrogels for cancer treatment, Current Opinion in Biomedical Engineering (2023), 100424.

Book Chapter

- T. Mateti, S. Jain, L.A. Shruthi, A. Laha, G. Thakur, An overview of the advances in the 3D Printing Technology (Chapter 1) in 3D Printing Technology for Water Treatment Applications, Elsevier, 2022, ISBN 0323914195, 9780323914192

Dr. Swapnendu Chatterjee, Assistant Professor, Chemical Engineering

- Swapnendu Chatterjee has been awarded PhD on 2022 in chemical engineering stream with his thesis title as "Intensification and optimization of hydrolysis of lignocellulosic biomass" from Jadavpur University.

Ms. Zinnia Chaudhuri, Assistant Professor, Chemical Engineering Dept.

Conference

- Oral presentation on "Comparative assessment of rate kinetics for isothermal and non-isothermal pyrolysis operation with waste plastic bottle" at ACMS 2022 organized by IIChe on 14/04/2022 at Heritage Institute of Technology.

Book Chapter

- Chowdhury, Z., Barma, S., Sarkar, A.R. and Sen, D., 2022. Sustainable membranes with FNMs for biomedical applications. In Membranes with Functionalized Nanomaterials (pp. 205-244). Elsevier.

Ms. Kuheli Bhowmick, Assistant Professor, General Science Dept.

- Participated 5 day online UHV I fdp program from 6th June, 2022 to 10th June, 2022.
- Participated 5 day face to face UHV II fdp program from 22nd August to 26th August, 2022 at Heritage institute of technology, Kolkata

Mr. Santanu Bhattacharjee, Assistant Professor, General Science Dept.

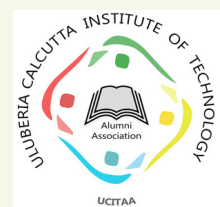
- Mr. Santanu Bhattacharya has received B.Ed degree from WBUTTEPA on August 2022.
- Participated 5 day online UHV II fdp program from 20th June 2022 to 25th June 2022.
- Participated 5day online UHV-I fdp program from 27th February to 4th March, 2022.

Mr. Aniruddha Ghosh, Assistant Professor, ECE Dept.

- Srivastava, Tanul Kumar, Aniruddha Ghosh, Himadri Mandal, Amit Phadikar, and Pritom Adhikary. "Controlled Chaos Position Transformation and Noise Generation-Based Keyless Speech Encryption Technique." In Proceedings of International Conference on Computational Intelligence, Data Science and Cloud Computing, pp. 335-345. Springer, Singapore, 2022.
- Subhalaxmi Chakraborty and Aniruddha Ghosh (2022) , "Investigation on different performance parameters under variable data rate conditions in the presence of dispersion compensation of cost-effective optical transport network", AIP Conference Proceedings 2576, 020004
- Ghosh, A., Chakraborty, S., & Sinha, A. (2022). FPGA Based MAC Units for Signal Processing Algorithms with Non-Binary Numeral System: An Effective Analysis. In Applications of Machine Intelligence in Engineering (pp. 257-263). CRC

Mr. Chiradeep Ghosh, Assistant Professor, ECE Dept.

- Chiradeep Ghosh, An Approach to Patient Safety Inside the Ambulance Using Internet of Things, International Journal of Engineering Sciences & Research Technology, 11(10): October, 2022, ISSN:2277-9655, [DOI:10.5281/zenodo.7238646].



Dr. Palash Sahoo, Assistant Professor, General Science Dept.

Journal Publication

- P. Sahoo, D. K. Jana, S. Pramanik, G. Panigrahi, Implement an uncertain vector approach to solve entropy-based four-dimensional transportation problems with discounted costs, International Journal of Machine Learning and Cybernetics, (2022), (Springer) Impact factor 4.012.
- P. Sahoo, D. K. Jana, S. Pramanik, G. Panigrahi, Uncertain four-dimensional multi-objective multi-item transportation models via GP technique, Soft Computing, (2020), 24:17291–17307 (Springer) Impact factor 3.643.
- D. K. Jana, S. Pramanik, P. Sahoo, A. Mukherjee, Interval type-2 fuzzy logic and its application to occupational safety risk performance in industries, Soft Computing, (2017) 23:557-567 (Springer) Impact factor 3.643.
- D. K. Jana, P. Sahoo, L. T. Koczy, Comparative study on credibility measures of type-2 and type-1 fuzzy variables and their application to a multi-objective profit transportation problem via goal programming, International Journal of Transportation Science and Technology, (2017) 6:110-126 (Elsevier), (Scopus).
- P. Sahoo, D. K. Jana, S. Pramanik, G. Panigrahi, A novel type-2 uncertain normal critical value reduction method for 4D profit transportation problems considering damageable and substitute items, International Journal of Applied and Computational Mathematics, (2021) 123:1-30 (Springer), (Scopus).
- P. Sahoo, D. K. Jana, G. Panigrahi, Interval Type-2 Fuzzy Logic and Its Application to Profit Maximization Solid Transportation Problem in Mustard Oil Industry, Recent Advances in Intelligent Information Systems and Applied Mathematics, Conference proceedings ICITAM 2019 (2020), 863:18-29 (Springer), (Scopus).

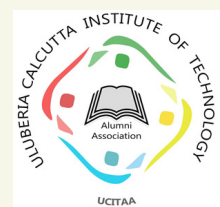
Faculty Development Program

- Complicated Innovation Ambassador (IA) training 'Foundation level' by MoE's Innovation cell & AICTE.
- Participated and successfully completed the 5-day online FDP on the theme "Inculcating Universal Human Values (UHV-I) in Technical Education" organized by All India Council for Technical Education (AICTE) from 27th June to 1st July, 2022.
- Participated and successfully completed the 5-day Face-to-Face UHV-II organized by All India Council for Technical Education (AICTE) at Heritage Institute of Technology, Kolkata from 22nd August to 26th August 2022.



UPCOMING EVENTS

Page 14



- Faculty Picnic will be on 21st December 2022.
- Annual Sports will be held on 17th -20th January 2023.
- Alumni Day will be organized by UCITAA on 12th February, 2023.
- Annual Fest " Techstasy 2023" will be organized on 6th and 7th October, 2023.

APPEAL TO ALUMNI

On behalf of the UCITAA, we would like to request you to join our association as registered members to stay connected with institute, current students and alumni. After a lot of efforts we could succeed in forming the Alumni Association and the registration process is ongoing. However, we expect that you will register your names as soon as you receive request forms for membership. We are happy that we have launched our first issue of Newsletter "DELTA" in December 2022. As the name implies delta is the connection between the past, the present and the future, the change that always keeps the wheel of time running, similarly we will be able to join our hands together and stay connected.

UCITAA-OFFICE BEARER

Mr. Arindam Banik : President
Mr. Pritom Adhikary : Secretary
Dr. Anindita Laha : Treasurer

Dr. Tapas Kumar Ghosh : Vice President
Mr. Sourabh Chandra : Joint Secretary

EDITOR

Dr. Anindita Laha
Assistant Professor, Chemical Engineering Department
Calcutta Institute of Technology
Treasurer, Uluberia Calcutta Institute of Technology Alumni Association (UCITAA)
Editor, Delta
Email id: alumni@citulb.in

Thank you