



From the Desk of the Vice-Chancellor



I am delighted to announce that the Department of Mathematics, ICFAI University Tripura is coming up with the fourth volume of newsletter namely **μ-ews** as a manifestation of their veracious endeavor to inspire and document the academic as well as other extracurricular achievements of the department. The ICFAI University Tripura is one of the premier institutions of the country that offers world class innovative, career-oriented professional post graduate and undergraduate programs through inclusive technology-aided pedagogies to equip students with the requisite professional and life skills in addition to social sensitivity and high sense of ethics. ICFAI University welcomes talents from across the nation and is also optimistic to adequately accommodate international students and researchers.

The ICFAI University Tripura was established in the year 2004 by Tripura Act 8 of 2004 and since then crediting on its industrious and sacrament conviction of academic excellence; it claimed the trust of the people of Tripura as well as students from other states of the nation. Today on the eve of the launch of the fifth volume of **μ-ews**, I am blissful to state that it is the ardent venture of the faculty, staffs and beloved students of the University that has uplifted the stature of ICFAI University Tripura as one of the finest and established academic and research institutions of the country.

Prof. (Dr.) Biplab Halder
Vice Chancellor
The ICFAI University Tripura

From the Desk of Registrar



Department of Mathematics is dedicated with the vision of meeting the elegance of numbers with the precision of logic, shaping the future minds through the art and science of mathematics. On behalf of the ICFAI University Tripura, I congratulate the Department of Mathematics for their initiative to bring out the news letter **μ-ews**. Department of Mathematics is one of those departments of the University that is solely devoted in the mission of promoting mathematics. The news letter initiative of the Department of Mathematics is both innovative and noble at this hour since it would accommodate in revitalizing the academic community and the ultimate beneficiary's i.e. students and the research scholars at this hours. Wish good luck to the earnest endeavors of the Department of Mathematics.

Dr. A Ranganath
Registrar
The ICFAI University Tripura

From the Dean's Desk



Dear faculty members, staff and students, I am honoured to address you through the annual newsletter of the Mathematics department. It is with great pleasure and enthusiasm that I extend my warmest greetings to each one of you as we embark on second semester of the academic year.

Mathematics, is often referred as language of science, continues to be the forefront of scientific and technological advancements. Throughout the year, I have witnessed department faculty member's commitments to nurturing young minds; they are publishing research articles in renowned journals and participating in various out-reaches activities in schools and colleges of Tripura to promote mathematics. The seminars, workshop in collaboration with National Board of Higher Mathematics, various competitions among students are organized to enrich academic experience of our students.

In future, I am confident that Mathematics department will continue to inspire generations and pursuit their commitment for excellence.

Wishing you all a year filled with continued growth, success, and fulfillment.

Prof. (Dr.) P. R. Borthakur
Dean, FST
The ICFAI University Tripura

From the Principal's Desk



It is a matter of immense pleasure to present this newsletter titled “*Mews*” of the Department of Mathematics, ICFAI Science School, ICFAI University Tripura. Mathematics not only reveals the language in which the universe is written, but also nurtures clarity of thought, logical reasoning, creativity, and analytical precision. I am delighted to see the department fostering these qualities among students through engaging lectures, problem-solving sessions, seminars, and a vibrant academic environment. This year, I am especially proud of the department’s growing research capabilities aimed at strengthening the connection between mathematics and inter disciplinary subjects. Through workshops, awareness programs, and student-centered activities, the department is inspiring young minds to appreciate the beauty and relevance of mathematics beyond the classroom. Such efforts truly reflect the essence of research, education, sharing knowledge, and contributing meaningfully to the community.

I commend the dedication of the faculty members, staff, and students whose commitment and collaborative spirit make these achievements possible. I also congratulate the editorial team for bringing out this newsletter and extend my best wishes to the Department of Mathematics for continued excellence and success.

Dr. Prasenjit Bal
Principal, ISS
The ICFAI University Tripura

From the H.O.D.'s Desk



The Department of Mathematics started its journey in 2016 with M.Sc. in Mathematics course and now it offers B.Sc. (Hons.) in Mathematics, M.Sc. in Mathematics and Ph.D. in Mathematics. The department aims to address the main challenges faced by the society and academia in our state as well as in our country. More significantly, in student's search of success in their professional career, we believe in upholding our unceasing dedication to our students, helping them to learn, grow, develop, and achieve their objectives. Our aim is to develop students who provide them with a combination of requirements for academic and industrial needs, which will assist them to build and establish solutions to solve issues at the technical, social and national level. Students are encouraged to become successful tech professionals who can be effective for the company from the day they join the team or use their own new ideas and concepts to pursue entrepreneurial opportunities. The newsletter showcases the achievements along with the future vision of the department.

Dr. Debjani Rakshit
H.O.D., Mathematics
The ICFAI University Tripura

ABOUT THE DEPARTMENT OF MATHEMATICS

The Department of Mathematics started its journey in August, 2016. Since it came a long way to present, promote and nurture science in young minds. Currently B. Sc. (Hons.), M. Sc. And Ph. D. courses are being offered in the department. The Department of Mathematics has highly qualified faculty members actively engaged in cutting edge emerging research areas Students are also trained in prestigious institutions during their internship projects in the summer, M. Sc. Projects are being conducted in active research areas in the Departmental facilities. To promote pedagogy and entrepreneurship, numerous seminars are being held throughout the year.



STRENGTH OF THE DEPARTMENT

- Undergraduate, Postgraduate and Doctorate of Philosophy degrees are offered
- Highly qualified faculty
- Well-equipped Computer Lab facility
- Research and publications in emerging research areas
- Seminars by highly qualified experts from all over India and abroad
- Preparatory classes offered for competitive examinations (JAM, NET, GATE etc.)

COURSES OFFERED

- B.Sc. (Hons.) Mathematics
- M. Sc. Mathematics
- Ph. D. Mathematics

AREA OF RESEARCH

- Functional Analysis
- Topology
- Fuzzy Set, Soft Set, Neutrosophic Set
- Sequence Spaces
- Computational Fluid Dynamics, Numerical Method for PDEs, Finite Difference Method
- Mathematical Modelling, Drug Delivery, Electroporation, Numerical Simulation.
- Numerical Linear Algebra

ISSUE EDITOR

Dr. Mithun Datta, Assistant Professor.

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Dr. Nilay Mondal, Assistant Professor.

Dr. Rakhal Das, Assistant Professor.

Dr. Sayan Chandra Deb, Assistant Professor.

Prof. Soumi Thakur Chakraborty, Faculty Associate.

Dr. Mithun Adhikary, Assistant Professor.

EVENTS & ACTIVITIES 2025

Two-Day National Youth Day Celebration (January 15-16, 2025)

The Department of Mathematics celebrated National Youth Day, commemorating the birth anniversary of Swami Vivekananda. The inaugural session was hosted by students Tirtha Chakraborty and Monalisa Debbarma. The chief guest, Swami Amartyananda Maharaj ji, Secretary of Ramakrishna Mission, Dhaleswar, was warmly welcomed. The event began with a lamp-lighting ceremony, followed by an inaugural song by students Barsha Majumder, Debalika Ghosh, Soumyajit Roy, and Swastika Sutradhar. Prof. (Dr.) Subhasish Chatterjee delivered the welcoming address, and Ms. Soumi Thakur Chakraborty recited a poem from Gitanjali. The highlight was Swami Amartyananda Maharaj ji's motivational speech on the life and philosophy of Swami Vivekananda. The vote of thanks was proposed by Dr. Prasenjit Bal. A Mathematical Treasure Hunt was organized to encourage collaborative problem-solving and library use. Twenty students participated in five groups. The winners were:

- **1st Prize:** [M.Sc.](#) 2nd Year students
- **2nd Prize:** [B.Sc.](#) 1st Year students
- **3rd Prize:** [B.Sc.](#) 2nd Year students



National Mathematics Day Celebration (January 20-22, 2025)

The department celebrated National Mathematics Day with a three-day event to honor the contributions of Srinivasa Ramanujan. The inaugural session, hosted by Tirtha Chakraborty and Monalisa Debbarma, welcomed Chief Guest Dr. Baby Bhattacharya (Professor, NIT Agartala) and Guest of Honor Dr. Jaydip Bhattacharya (General Secretary, Tripura Mathematical Society). The program featured cultural performances by students and insightful speeches. Dr. Baby Bhattacharya delivered an engaging talk on the 'Life and contribution of Srinivasa Ramanujan,' and Dr. Jaydip Bhattacharya highlighted the contributions of Indian mathematicians.



Events Organized:

- **Quiz Competition:** Teams from various institutions participated.
 - **1st:** Purnendu Debnath & Swarnadeep Chaudhury
 - **2nd:** Deepjyoti Sarkar & Sankha Subhra Banik (Tripura University)
 - **3rd:** Subhajit Paul & Swadesh Bhattacharjee (M.B.B. College)



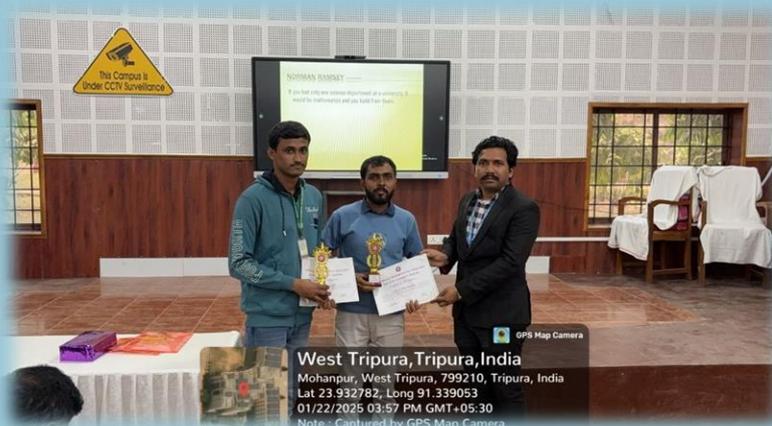
- **Poster Competition (Topic: Vedic Mathematics):**
 - **1st:** Shila Das (Mathematics)
 - **2nd:** Kalpita Debnath (Education)
 - **3rd (Joint):** Tayashree Dhar ([B.Tech](#)) & Bikram Sutradhar



- **Speech Competition (Topic: Any famous Indian Mathematician):**
 - **1st:** Sanataomba Singh
 - **2nd:** Indraneel Das (Tripura University) & Bikram Sutradhar
 - **3rd:** Subhajit Paul (M.B.B. College)



- **PPT Competition (Topic: Mathematics: The bridge to innovation and progress):**
 - **1st (Joint):** Prit Datta (Education) & Indraneel Das (Tripura University)
 - **2nd:** Sneha Debnath (Mathematics)
 - **3rd:** Yumnam Profulla Singh (Mathematics)



National Webinar on Data Pre-Processing (February 17, 2025)

The program has been started as per schedule time (3:00 p.m.) on Google Meet. The program begins with the introduction of Dr. Ayan Pal by Prof. Soumi Thakur Chakraborty. Then our honorable Dean sir, Dr. Priyangshu Rana borthakur, gave the welcome address. In his speech he has explained the importance of such webinar for the students. He also mentioned about several applications of Data processing in this age of AI. He welcomed the resource person Dr. Ayan Pal to give his take in such an interesting topic.



THE ICFAI UNIVERSITY TRIPURA
Department of Mathematics
Organizes
National Webinar
on
Data Pre-processing
Date: 17/02/2025, Time: 3:00 p.m.
Registration link: <https://docs.google.com/forms/d/e/1FAIpQLSc-apAx-JzLJ0uGNd8r6Nsqu8-e9Ey8JqtUGMTW10L6sxnGMkQ/viewform?usp=sharing>

Chair:
Prof. (Dr.) Biplab Halder
Vice Chancellor, The ICFai University, Tripura

Speaker:
Dr. Ayan Pal
The University of Burdwan

Then, the talk has been started at 03:10 p.m. In his talk, Dr. Ayan Pal has mentioned about several interesting facts on Data Pre-Processing. He has briefly introduced the concept of skewness to the audience and also explained the Box and Cox theorem. The talk ended at 3:50 p.m. Then the question and answer session started and it lasted for around 5 minutes. After that a vote of thanks was proposed by Dr. Prasenjit Bal, Head of the Department, Department of Mathematics, IUT. While thanks giving, he also mentioned about several applications of Data processing. The webinar ended successfully. A total of 45 participants has registered and attended the webinar. They have also given their valuable feedbacks.



National Science Day 2025 (February 28, 2025)

The inaugural session of the National Mathematics Day celebration was hosted by students of our institute. The session was started by welcoming Mr. Swapan Majumdar, secretary, the Indian Association of Physics Teachers; Dr. A. Ranganath, Registrar, ICFAI University Tripura; Prof. P. R. Borthakur, Dean, Faculty of Science and Technology, ICFAI University Tripura; Dr. Priyanshu Rana Borthakur, Dean, Faculty of Science and Technology, ICFAI University, Tripura; Dr. Subhasish Chatterjee, Dean-Academic Affairs, ICFAI University, Tripura; Dr. Prasanta Kumar Sinha, Principal, Faculty of Science and Technology, ICFAI University, Tripura; and Dr. Prem Shankar Srivastava, Principal, Faculty of Education, ICFAI University, Tripura. Next, the lighting the lamp ceremony took place, symbolizing seeding knowledge in one's mind. The guests have taken their respective places on the dais. Then the students of our institute sang a beautiful welcoming song. Dr. A. Ranganath gave the welcoming address. Thereafter, the guests on the dais presented all the newsletters of the ICFAI Science School. Next, Prof. (Dr.) Subhasish Chatterjee gave the welcome note. Then, our Dean, FST prof. P.R. Borthakur, delivered a highly motivational speech on the importance of the day. Next, Mr. Swapan Majumdar delivered his speech on the auspicious occasion. Afterwards, Prof. (Dr.) Prasanta Kumar Sinha, Principal, Faculty of Science and Technology, ICFAI University, Tripura, gave a speech on celebrating the legacy of C.V. Raman. Then, Dr. Prem Shankar Srivastava delivered his speech. Then, Dr. Dipayan Chattopadhyay, Assistant Professor, Department of Physics, ICFAI University of Tripura demonstrated an insightful presentation on "Glimpse of Physics Informed Neural Network". Lastly, Dr. Ankita Chakraborty, Assistant Professor, Department of Chemistry, delivered the vote of thanks.



A variety of competitions were held for school and university students, including Sit & Draw, Science Model, Poster, Quiz (School & University levels), Best out of Waste, and PPT.

- **Poster-making:** JNV Mohunpur, West Tripura



- **Best of Waste:** Fatikcherra High School
- **Quiz-I (School level):** 1st: Fatikcherra High School; 2nd: Don Bosco; 3rd: JNV Mohunpur



- **Science Model:** 1st & 2nd: JNV Mohunpur; 3rd: Fatikcherra High School



Pi Day 2025 (March 20, 2025)

The ICFAI University Tripura's Department of Mathematics celebrated Pi Day on 20th March, 2025. It is difficult to draw a student's interest in a certain subject, like mathematics. Awards and other forms of extrinsic motivation can only draw pupils who are proficient in mathematics. However, finding inner motivation for that is very difficult. So the faculties of the Department of Mathematics of the ICFAI University organized a program on the occasion of PI Day. On that “Mandala meets Geometry” event was organized.

Our student Deblika Ghosh welcomed the dignitaries. Introductory speech given by Dr. A. Ranganath, Registrar, ICFAI University Tripura. Our Dr. Prasenjit Bal gave a beautiful presentation titled ‘Let us π ’. He explained how the digits of PI calculated over the years in the presentation. After that Dr. Sourav Chattopadhaya, gave an interesting presentation titled ‘Throw Stones and Get Pie’.

After that, to encourage the students, the students with the highest CGPA were given an award from the Department of Mathematics. This recognition not only motivated the top performers but also inspired their peers to strive for excellence. Then, the “Mandala meets Geometry” event winner were recognized. They were given e-certificates



Soft Skill Development Program I & II (April 3 & 10, 2025)

The department organized two sessions on "Soft skill development and interview etiquette," led by Dr. Papiya Ghosh, Assistant Professor, Faculty of Liberal Arts. The sessions emphasized the importance of soft skills like communication, teamwork, and emotional intelligence for professional growth. Dr. Ghosh also covered key aspects of interview etiquette, including punctuality, appropriate dressing, active listening, and confident self-expression, preparing students for success in the job market.

Session I (April 3): 27 students attended.



Session II (April 10): 38 students attended.



Intellectual Property (IP) and Intellectual Property Rights (IPR) (April 25, 2025)

Dr. Nayanjyoti Das from the Faculty of Law delivered an engaging presentation on "Introduction to Intellectual Property Rights (IPR)." He explained what constitutes intellectual property and the importance of IPR in fueling innovation, providing legal protection, promoting economic growth, and enabling monetization of ideas. He discussed various types of IPR like copyrights, patents, and trademarks, and concluded by addressing the challenges in IPR enforcement, such as piracy and counterfeiting in a digital world. 47 students attended.



Tree Plantation Drive (May 2, 2025)

In a collaborative effort with the visiting National Sample Survey (NSS) team, the Mathematics Department organized a tree plantation drive on campus. Faculty and students enthusiastically participated, planting numerous saplings across various locations. The activity was a meaningful step towards promoting environmental sustainability and fostered a sense of community and shared responsibility for nature. Special treats were distributed to appreciate the participants' efforts. 33 students attended.



Old Age Home Visit (May 3, 2025)

A group of eight students from the mathematics department, accompanied by Head of Department Dr. Prasenjit Bal, visited "Apanaghor," a local old age home. The visit was an outreach initiative aimed at fostering compassion and social responsibility. Students spent time engaging in heartfelt conversations with the elderly residents, listening to their stories, and sharing moments of joy. As a gesture of care, they distributed clothes and sweets. The experience was enriching for the students and brought immense comfort and happiness to the residents, reinforcing the values of kindness and respect across generations.



Career Counseling Program (May 22, 2025)

The department organized a Career Guidance Program for [B.Sc.](#) and [M.Sc.](#) Mathematics students, conducted by faculty member Dr. Arnab Ghosh. The session aimed to help students navigate the vast career opportunities available to mathematics graduates. Dr. Ghosh discussed the four key stages of career development and provided a detailed overview of potential career paths, including Statistician, Data Analyst, Data Scientist, Actuary, Cryptographer, Professor, and roles in banking and software development. Guidance on higher studies options like [M.Sc.](#), MCA, MBA, and Integrated Ph.D. was also provided, empowering 29 students to make informed decisions about their future.



GAMMA 2025: International Conference on Global Advances in Mathematics and Mathematical Applications (June 2-6, 2025)

The Department of Mathematics at ICFAI University Tripura organized a landmark international conference, **GAMMA 2025 (Global Assembly of Mathematical Modelling and Analysis)**, from **June 2 to 6, 2025**. The conference was partially funded by the Anusandhan National Research Foundation (ANRF), Government of India, reflecting the significance and quality of the academic endeavor. This five-day hybrid event brought together over **100 participants**, including renowned mathematicians, researchers, and academicians from across the globe, to foster interdisciplinary collaboration and showcase cutting-edge research in pure and applied mathematics.



Global Assembly for Mathematical Modeling and Analysis (GAMMA)-2025

Date:- June 2-6, 2025

Organized by

Department of Mathematics
The ICFAI University Tripura, India

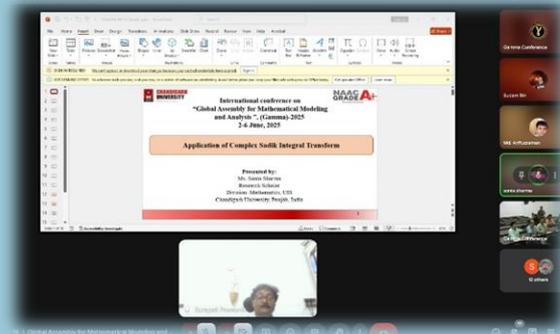
Partially funded by Anusandhan National Research Foundation (ANRF)

The conference commenced with a grand inaugural ceremony. Dignitaries were felicitated, followed by the ceremonial lighting of the lamp. Dr. A. Ranganath, Registrar, extended a warm welcome to the attendees. Dr. Prasenjit Bal, Organizing Secretary and Head of the Department, provided an overview of the conference's objectives and scope. The session was enriched by keynote addresses from distinguished professors **Prof. Binod Chandra Tripathy** (Tripura University), **Prof. Durga Charan Dalal** (IIT Guwahati) and **Prof. Pratulananda Das** (Jadavpur University). A special conference souvenir was released to commemorate the occasion. The vote of thanks was proposed by Dr. Debjani Rakshit, Joint Convener.

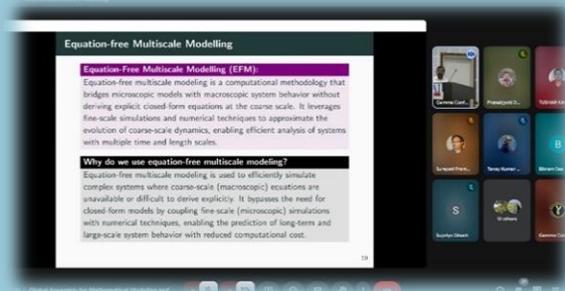
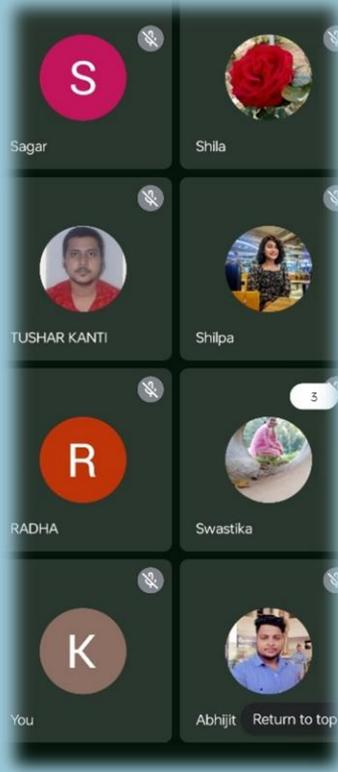


Throughout the five days, participants were treated to a series of insightful plenary talks by eminent scholars:

- **Prof. D.C. Dalal** – Equation-Free Multiscale Modelling
- **Prof. Pratulananda Das** – Characterized Subgroups and Arithmetic Sequences
- **Prof. Ram N. Mohapatra** – Teaching Mathematical Modelling
- **Prof. Saburou Saitoh** – The Grand and Mysterious History of Division by Zero
- **Prof. Bipan Hazarika** – Henstock-Kurzweil Integrals and Henstock-Orlicz Space
- **Prof. Shankhadeep Mondal** – Optimization of Dual Frames
- **Prof. Anjan Mukherjee** – Interval-Valued Neutrosophic Hesitant Fuzzy Rough Approximation
- **Prof. Ljubisa Kocinac** – Topologies on Simple Graphs
- **Dr. B. Sagar** – Numerical Simulation of Keller-Segel Model
- **Prof. F. Smarandache** – Overview of Neutrosophic Theories and Applications
- **Dr. Surapati Pramanik** – Interval Quadripartitioned Neutrosophic Sets
- **Prof. Marcelo M. Cavalcanti** – Control and Stabilization on Manifolds
- **Prof. Binod Chandra Tripathy** – Weak Convergence of Sequences



The conference featured **seven parallel technical sessions** where **76 research papers** were presented. The sessions covered a wide array of themes, including Mathematical Biology & Modelling (tumor growth, predator-prey dynamics, environmental pollution), Topology & Convergence, Numerical Methods & Differential Equations, Optimization & Supply Chain Models, Neutrosophic Sets & Fuzzy Systems, Graph Theory & Algebraic Structures, Machine Learning & Statistical Analysis. Each presentation was followed by rigorous discussions, reflecting the high quality and diversity of research.



The conference concluded with a valedictory session on June 6. Dr. Prasenjit Bal welcomed the gathering, followed by remarks from Dr. A. Ranganath. Prof. Binod Chandra Tripathy presented a comprehensive summary of the conference's outcomes. Dr. Debjani Rakshit delivered the valedictory address, and certificates were distributed to participants and awardees. The vote of thanks was proposed by Dr. Mithun Datta, Convener, who, along with his dedicated team, ensured the smooth conduct of the entire event.



GAMMA 2025 was a resounding success, establishing ICFAI University Tripura as a hub for advanced mathematical research and international collaboration. The conference not only highlighted the vital role of mathematics in addressing contemporary challenges but also laid the foundation for future academic partnerships.

Extension Activity at Don Bosco Higher Secondary School (July 4, 2025)

The activity commenced with a warm welcome address by the Principal of Don Bosco Higher Secondary School, setting a positive tone for the event. Dr. Debjani Rakshit then delivered a captivating special talk on "Fun with Mathematics," showcasing innovative ways to approach mathematical problems and making the subject more accessible and enjoyable for the students. Following the talk, Dr. Nilay Mondal and his team coordinated a series of mathematical games that captivated the students' attention and encouraged them to think creatively. These interactive games were designed to make mathematics more engaging and fun, helping students appreciate its practical applications. The event concluded with a gracious gesture from the Principal of Don Bosco Higher Secondary School, who facilitated the guest speakers, Dr. Debjani Rakshit and Dr. Nilay Mondal, with gratitude. This gesture not only acknowledged the efforts of the coordinators but also highlighted the school's commitment to fostering a love for mathematics among its students.



Rational Pi Day Celebration (July 22, 2025)

The Department of Mathematics, ICFAI University Tripura, celebrated **Rational Pi Day** on **July 22, 2025**, commemorating the widely used rational approximation of the mathematical constant π (Pi). While Pi (π) is an irrational number with a non-repeating and infinite decimal representation (3.14159...), the fraction **22/7** serves as a convenient and historically significant approximation, making July 22nd (22/7) a fitting occasion to honor this remarkable constant.

The event aimed to foster an appreciation for the beauty and universality of mathematics beyond the classroom. Over the years, Pi-related celebrations have transcended pure mathematics to become global cultural events, highlighting the fun and creative dimensions of mathematical thinking.

A total of **46 participants**, including students and faculty members, actively took part in the day's activities. The program featured engaging discussions on the history and significance of π , its approximations throughout history, and its ubiquitous presence in science, engineering, and everyday life. Interactive quizzes and puzzles centered around π kept the participants enthusiastically involved, making the celebration both educational and enjoyable.

The event successfully brought together mathematics enthusiasts to appreciate the elegance of numbers and the enduring legacy of one of the most famous constants in mathematics.



DEEKSHARAMBH 2025: Student Orientation Program (August 4-8, 2025)

The Department of Mathematics, ICFAI University Tripura, successfully organized **Deeksharambh 2025**, a five-day orientation program for the newly admitted **B.Sc. Mathematics** students from **August 4 to 8, 2025**. The program was designed to welcome the freshers, introduce them to the academic environment, and facilitate their smooth transition into university life.



The orientation began with a session titled "*Journey Begins: Discover Your New Academic Home*," where Dr. Prasenjit Bal, Head of the Department, presented an overview of the department's vision, achievements, and the opportunities it offers. This was followed by an **ice-breaking session** that allowed students to interact freely with faculty members and research scholars, fostering a warm and inclusive atmosphere. The day concluded with a **Mathematical Model Gallery**, where existing students displayed innovative models, inspiring the newcomers to explore the creative side of mathematics.

On the second day, Dr. Debjani Rakshit delivered an engaging talk titled "*Math Beyond Numbers: The Magical World Within*," which opened students' eyes to the beauty and philosophy of mathematics beyond the classroom curriculum. A **career counseling session** by Ms. Soumi Thakur Chakraborty provided valuable insights into the diverse professional paths available to mathematics graduates. The day ended with an exciting **Mathematical Treasure Hunt**, encouraging teamwork and problem-solving.

The third day featured the **formal inaugural session** of Deeksharambh, graced by university dignitaries including Dr. A. Ranganath (Registrar), Prof. (Dr.) P. R. Borthakur (Dean, FST), and Prof.

(Dr.) Subhasish Chatterjee (Dean, Academic Affairs). The session commenced with a lamp-lighting ceremony and a welcome song by the students. Inspiring addresses by the dignitaries, along with insights from Dr. Sovan Ghosh (Physics) and Dr. Ganesh Chandra Paul (Chemistry), emphasized the importance of interdisciplinary learning and holistic development. Dr. Arnab Ghosh proposed the vote of thanks.

The fourth day was packed with sessions aimed at motivation, self-expression, and academic clarity. It began with "*Success Stories: And You're Next in Line*," featuring presentations on alumni achievements that demonstrated the heights mathematics graduates from IUT have reached. Students then participated in "*Showcase Your Hobby*," a platform to share their creative talents. A crucial session was delivered by Dr. Mithun Datta, who provided a comprehensive overview of the rules and regulations of ICFAI University Tripura. He explained the examination pattern, grading system, attendance requirements, and academic policies in detail, ensuring that students were well-informed about the expectations and procedures that would govern their academic journey. The day concluded with a visit to the university library to promote a culture of reading and research.

The final day of Deeksharambh provided further academic guidance. Dr. Rakhil Das presented an "*Overview of Course Curriculum and Code of Conduct*," reinforcing the academic structure. Dr. Sayan Chandra Deb delivered a thought-provoking talk on **Gender Equality in Mathematics**, promoting inclusivity in the field. The program concluded with a **Campus Discovery Walk**, helping students familiarize themselves with university facilities and fostering a sense of belonging.

Deeksharambh 2025 successfully equipped the new batch with the knowledge, confidence, and motivation needed to embark on their academic journey, reinforcing the department's commitment to nurturing well-rounded individuals.

Extension Activity at Montfort Higher Secondary School (August 9, 2025)

The activity commenced with a warm welcome address by the Principal of Montfort Higher Secondary School, setting a positive tone for the event. Dr. Bheem Pad Mahato then delivered an introductory speech, highlighting the importance of mathematics in everyday life and the objectives of the extension activity. Following the introduction, Dr. Mithun Adhikary delivered a captivating special talk on "Fun with Mathematics," showcasing innovative ways to approach mathematical problems and making the subject more accessible and enjoyable for the students. The talk was attended by students from Class IX-X and XI-XII, who actively participated and engaged with the concepts presented. The event's interactive segment featured mathematical games and open quizzes, coordinated by Dr. Nilay Mondal and his team. These activities were designed to make mathematics more engaging and fun, helping students appreciate its practical applications and develop problem-solving skills. The event concluded with a gracious gesture from the Principal of Montfort Higher Secondary School, who facilitated the guest speakers, Dr. Nilay Mondal, Dr. Mithun Adhikary, and Dr. Bheem Pad Mahato, with gratitude. This gesture not only acknowledged the efforts of the coordinators but also highlighted the school's commitment to fostering a love for mathematics among its students.



Workshop on "Scientific Computing & Documentation with MATLAB and LaTeX" (September 2-4, 2025)

The Department of Mathematics, ICFAI University Tripura, successfully organized a three-day workshop on "Scientific Computing & Documentation with MATLAB and LaTeX" from September 2 to 4, 2025. The workshop aimed to equip participants with essential skills in numerical computation and technical documentation, two pillars of modern scientific research.



The inaugural ceremony was graced by the presence of Prof. (Dr.) Biplab Halder, Vice Chancellor; Dr. A. Ranganath, Registrar; and Dr. Priyangshu Rana Borthakur, Dean, Faculty of Science and Technology. **Prof. Bhupen Deka**, Professor, Department of Mathematics, IIT Guwahati, attended as the Chief Guest and inspired the participants with his insights on the importance of computational tools in mathematical research.

The workshop featured distinguished resource persons from premier institutions across the country:

- **Dr. Tamal Pramanick** (NIT Calicut) – MATLAB Expert
- **Dr. Avijit Das** (NIT Silchar) – MATLAB Expert
- **Dr. Abhishek Das** (VIT Vellore) – MATLAB Expert
- **Dr. Swapendu Panda** (Siksha O Anusandhan) – LaTeX Expert
- **Dr. Nilay Mondal** (ICFAI University Tripura) – LaTeX Expert

A total of **122 participants**, including faculty members, research scholars, and students from prestigious institutions such as IIT Guwahati, NIT Calicut, NIT Jalandhar, Jadavpur University, University of Allahabad, and many more, took part in this enriching event.

The workshop provided hands-on training in MATLAB for numerical computation, simulation, and data visualization, alongside comprehensive sessions on LaTeX for professional typesetting of articles, reports, theses, and presentations (Beamer). Participants learned to integrate MATLAB outputs seamlessly into LaTeX documents, enhancing their ability to produce clear, professional, and scientifically rigorous work.

The event was highly appreciated for its practical approach and the expertise of the resource persons, empowering attendees with crucial technical and communication skills for their academic and research careers.

Training and Enrichment Workshop (TEW) 2025

The Training and Enrichment Workshop (TEW) 2025 was successfully organized by ICAFI University, Tripura during 15–20 December 2025. The workshop aimed to strengthen the mathematical foundations of participants through advanced topics in Linear Algebra, Multivariable Calculus, and Topology in \mathbb{R}^n . Eminent academicians from reputed institutions across India delivered the lectures. The objectives of the workshop were to provide a strong conceptual foundation in advanced mathematics, bridge the gap between undergraduate and postgraduate-level concepts, enhance analytical and problem-solving skills, and promote academic interaction among participants and experts. The workshop featured distinguished speakers: Dr. Shouvik Bhattacharya (Tripura University), Prof. Amber Habib (Shiv Nadar University, Delhi), Dr. Amiya Mondal (IISER Berhampur), and Prof. Pratulananda Das (Jadavpur University, Kolkata). Tutorial and discussion sessions were supported by Dr. Prasenjit Bal and Dr. Rakhil Das from ICAFI University. The six-day workshop consisted of four lecture sessions each day followed by interactive discussion sessions. Each lecture was of one-hour duration, ensuring systematic coverage of the syllabus. The Linear Algebra sessions covered linear systems, matrix decompositions, eigenvalues, eigenvectors, diagonalization, and singular value decomposition. Calculus sessions focused on continuity, differentiability, Jacobians, and implicit function theorem. Topology sessions introduced compactness, connectedness, completeness, and important theorems such as Heine–Borel and Bolzano–Weierstrass. The workshop witnessed enthusiastic participation from students and faculty members. Participants gained deeper conceptual understanding, improved problem-solving skills, and better preparedness for higher studies and research. The Training and Enrichment Workshop (TEW) 2025 was highly successful in achieving its objectives. The well-structured lectures and interactive discussions contributed significantly to the academic enrichment of the participants.



Fatikchhara, Tripura, India

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Publication & Collaborative Researches

Name	Journal	Book Chapter	Book
1. Dr. Prasenjit Bal	17	2	0
2. Dr. Debjani Rakshit	7	0	1
3. Dr. Arnab Ghosh	0	0	0
4. Dr. Nilay Mondal	0	0	1
5. Dr. Rakhal Das	13	7	0
6. Dr. Mithun Datta	8	1	0
7. Dr. Sayan ch. Deb	0	0	0
8. Mrs. Soumi Thakur Chakraborty	0	0	0
9. Dr. Mithun Adhikar	0	0	0

New Members of the Family



Mithun Adhikary
Assistant Professor

Dr. Mithun Adhikary completed his Ph.D. in Mathematics from Visva-Bharati in the year 2023. He did Master of Science (M.Sc.) in Mathematics from Visva-Bharati in the year of 2015. He has joined in the ICFAI University Tripura as an Assistant Professor in the Department of Mathematics on 8th January, 2025. Before joining in ICFAI University Tripura, he has worked as an Assistant Professor in CMR Institute of Technology, Hyderabad. He was also working as Guest lecturer in Seacom Skill University, Bolpur, West Bengal. His broad area of research is Growth of Entire and Meromorphic functions. His research interests are Fixed Point Theory, Several Complex Variables, Value Sharing and Value Distribution etc.



Bikram Sutradhar
Ph.D. Scholar

Mr. Bikram Sutradhar is a doctoral research scholar in Mathematics at The ICFAI University Tripura, where he enrolled in the PhD programme in 2025. He completed his Bachelor of Science (Honours) in Mathematics from Kabi Nazrul Mahavidyalaya, Sonamura, affiliated with Tripura University, in 2023, and obtained his Master of Science in Mathematics from The ICFAI University Tripura in 2025.

Toppers Details



Sagar Das
(MSc Topper)

I am deeply honored and sincerely grateful to ICFAI University Tripura for awarding me the Gold Medal. This recognition is truly a proud and memorable milestone in my academic journey. I extend my heartfelt thanks to the respected faculty members, mentors for their constant guidance, encouragement, and unwavering support. Their inspiration and dedication have played a vital role in my achievement.



Sagar Rudra Paul
(BSc Topper)

The ICFAI University Tripura, especially the Department of Mathematics, has given me knowledge, discipline, and confidence for life. The guidance of my teachers and the academic environment helped me grow and push my limits. With the guidance of my mentors and consistent effort, I was fortunate to be awarded the gold medal in my field. This achievement belongs as much to my university as it does to me. I will always be grateful for everything it has given me.

From the Heart of Alumni



Gourab Pal
(MSc. 2023-2025)

My university is a place where I learn, grow, and discover new opportunities. The teachers are supportive, and the campus environment is inspiring. The campus encourages students to develop skills beyond academics through various activities. My university is my second home❤️