B.E.A.D.S

BULLETIN FOR ECONOMICS , ANALYTICS AND DATA SCIENCE

SPRING EDITION (JANUARY - JUNE 2025)

CONTENTS
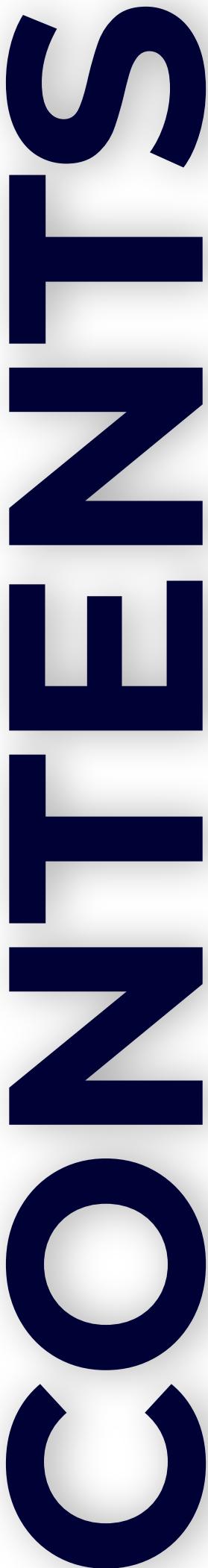
ABOUT
THE CENTRE

The Centre for Quantitative Economics and Data Science was established in the year 2021 with the aim to provide fundamental knowledge and problem solving skills, recognising the need for better data driven decision making. The Centre focuses on disseminating the acquired knowledge towards improving analytical skills, research, and practical applications. The centre is well-equipped with facilities for advanced research in data science, economics, and quantitative analysis, providing interdisciplinary education and fostering innovation through cutting-edge methodologies and collaborative projects. Currently, the centre offers two courses: Five-Year Integrated MSc. in Quantitative Economics & Data Science as well as Doctoral programmers in various disciplines

Mission

- To establish a world-class Quantitative Economics and Data Science centre that produces original research, delivers evidence-based education, and engages globally with stakeholders committed to solving real-world challenges.
- To prepare students for impactful careers by grounding them in strong fundamentals, fostering diverse experiences, and encouraging exchange of evolving ideas and identities.

QEDS

Vision

To be a globally recognized centre of excellence in Quantitative Economics and Data Science, dedicated to producing skilled professionals, researchers, and innovators who create meaningful impact in business, policy, and society. By blending rigorous theoretical learning with practical application, fostering interdisciplinary collaboration, and upholding ethical responsibility, the Centre aims to transform knowledge into actionable solutions, empowering individuals to address complex global challenges and contribute to building a better, more sustainable future.

Message From the Head of Centre

With immense pleasure, I extend a warm welcome to the Spring 2025 edition of the Newsletter from the Centre for Quantitative Economics and Data Science (CQEDS) at BIT Mesra. Since its establishment in 2021, our Centre has been steadfast in its mission to cultivate a profound understanding of Quantitative Economics and Data Sciences, equipping individuals with the analytical acumen and problem-solving skills necessary to address real-world challenges effectively.

The Centre has been envisioned as a recognised hub of academic excellence, fostering research, innovation, and transformative education. With state-of-the-art computational facilities and robust academic infrastructure, such as the Digital Innovation Lab (DIL) and Advanced Data Science Lab, CQEDS is committed to advancing knowledge and shaping future leaders in these interdisciplinary fields.

This newsletter serves as a platform to share updates, achievements, and insights from the Centre, showcasing our collective efforts and aspirations. We hope it becomes a valuable resource for our readers, fostering collaboration and engagement within and beyond the CQEDS community. I want to express my heartfelt gratitude to the faculty, students, and stakeholders who have contributed to the Centre's continued growth and success.

Prof. Vandana Bhattacharjee
Head, CQEDS, BIT Mesra

Vandana Bhattacharjee
Head, CQEDS
Birla Institute of Technology, Mesra
Ranchi, Jharkhand - 835215

MESSAGE

Message From the Editorial Desk

Dear Readers,

It is with immense pleasure that we present the Spring 2025 issue of the Centre for Quantitative Economics and Data Science (CQEDS) Newsletter, Birla Institute of Technology, Mesra. This publication serves as a platform to share and celebrate the growth of the Centre, which began its journey in September 2021 under the patronage of our Hon'ble Vice-Chancellor, Prof. Indranil Manna.

While the complexity and volatility of the global economy pose unprecedented challenges for sustainable policy-making across industry, services, finance, environment, and inclusive development, the availability of large-scale data and advanced computational tools has opened exciting new avenues for analytics and inference. At CQEDS, our students, research scholars, and faculty actively engage in exploring this synergy.

Through this newsletter, we aim to keep you informed about our latest developments, initiatives, and success stories, while also providing a glimpse of upcoming seminars, workshops, and collaborations. With every issue, we will draw from your feedback to further excel in teaching, research, and innovation. Whether you are a student, faculty member, alumnus, or a friend of the Centre, your engagement is vital to our growth.

We are deeply grateful to our colleagues for their support and to our student editorial team for their dedication in bringing this issue to life. We sincerely hope to continue this Newsletter as a bi-annual flagship publication that broadens its horizons with every edition.

Dr. Shrimoyee Ganguly
Editor

Dr. Pushkal Kumar
Assosiate Editor

MESSAGE

Inaugural Issue Unveiled by Honorable Vice Chancellor

B.E.A.D.S., the official newsletter of the Centre for Quantitative Economics and Data Science (CQEDS), Birla Institute of Technology, Mesra, was formally launched with its inaugural issue under the esteemed guidance and patronage of our Hon'ble Vice-Chancellor, Prof. (Dr.) Indranil Manna. The first issue marked a proud milestone in the Centre's journey, providing a platform to share knowledge, research, and achievements at the intersection of economics, analytics, and data science. It set the tone for what we envision as a flagship publication, connecting students, scholars, faculty, and alumni in the spirit of academic growth and collaboration.
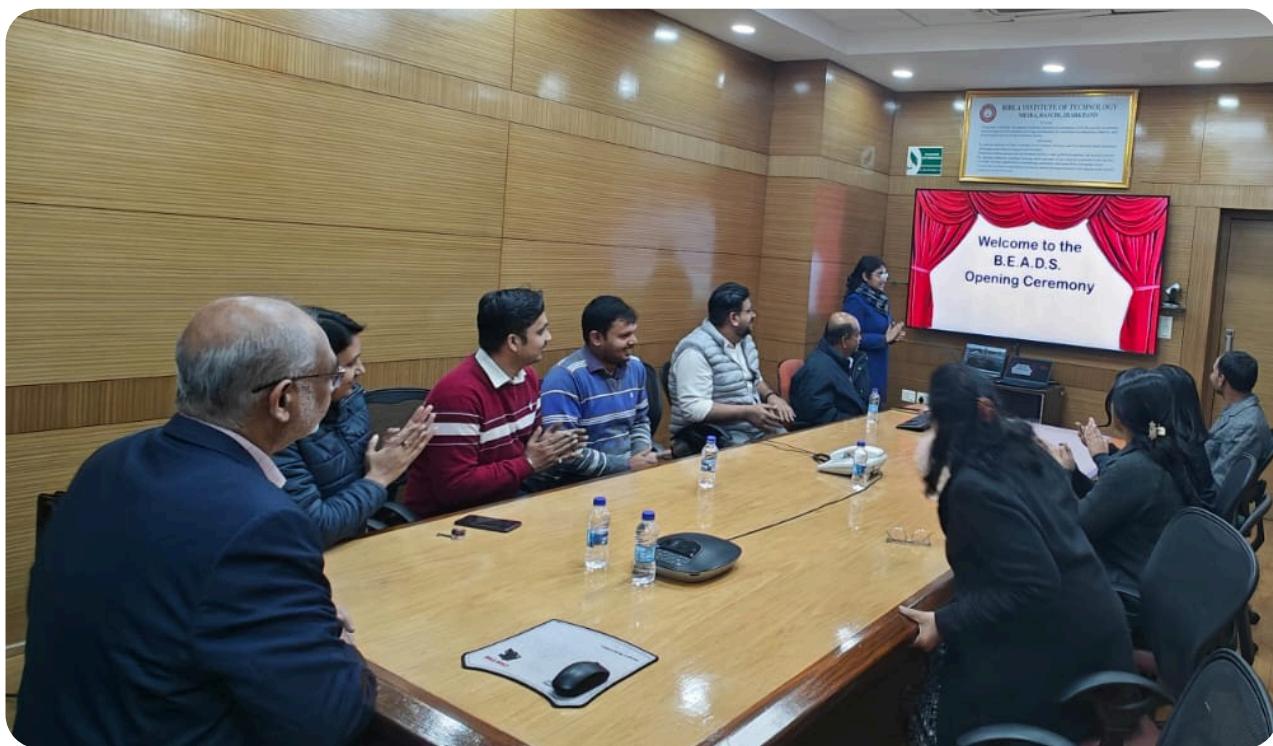
Building on this foundation, the second issue of B.E.A.D.S. carries forward the vision of showcasing innovative ideas, academic contributions, and collaborative initiatives emerging from the Centre. With each edition, the Bulletin aspires to expand its horizons, capturing the vibrancy of student engagement, research endeavors, and institutional achievements, while strengthening its role as a bridge between CQEDS and the larger academic and professional community.

INAUGRATION

Advanced Data Science

Lab Inauguration

3rd March 2025 marked a milestone for the Centre for Quantitative Economics and Data Science (CQEDS), Birla Institute of Technology, Mesra, with the inauguration of the Advanced Data Science Lab, generously sponsored by the State Bank of India (SBI). The lab was inaugurated by our distinguished alumnus, Mr. Ashwini Tewari, Managing Director, SBI, whose remarkable contribution to his alma mater we deeply acknowledge with gratitude.

The Advanced Data Science Lab is dedicated to cutting-edge research in the broad domains of Responsible Banking, with a focus on Environmental, Social, and Governance (ESG) forecasting, and Risk Governance, covering credit, market, operational, and liquidity risks.

On this special occasion, one of the Lab's key deliverables, in the form of an accepted research publication, was presented to Mr. Tewari. This initiative marks a significant step forward in strengthening academia-industry collaboration and fostering impactful research in the field of economics, data science, and banking.

EVENTS

2nd QEDS Conference
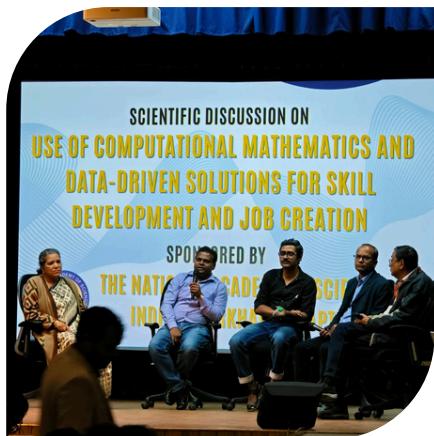
The 2nd Annual QEDS Conference 2025 themed, "Advances in Applied & Computational Mathematics: Theory, Methods & Applications in Finance & Data Science" was organised by the Centre for Quantitative Economics and Data Science (CQEDS), Birla Institute of Technology, Mesra for three days between 13th February–15th February, 2025. The conference brought together distinguished researchers, academicians and professionals to deliberate on the theoretical foundations and practical implications of mathematics, statistics, and computational finance in the context of emerging data science applications.

The inaugural session was graced by the presence of Vice Chancellor of BIT Mesra, Professor Indranil Manna and the Chairman of the conference and Head of CQEDS, Professor Kunal Mukhopadhyay. The sessions were thoughtfully curated to address the increasing need for mathematical and statistical innovations in solving real-world challenges across finance and data-intensive domains. The event was supported by ANRF (formerly SERB), reflecting the national relevance and growing academic interest in these interdisciplinary areas.

EVENTS

2nd QEDS Conference

The conference featured plenary talks and invited lectures from eminent scholars including Professor Gopal Krishna Basak of ISI Kolkata, Professor Goutam Kumar Paul of ISI Kolkata, Professor Bhavesh Kumar of IIT Kanpur, and Dr. Monika Madlener, Deputy Secretary General of IFAC, Austria. These talks spanned a wide array of subjects such as stochastic modeling, optimization, computational finance, and advanced statistical methods, offering deep insights into contemporary research frontiers.

Across three days, the conference provided a platform for paper presentations by research scholars and faculty members from reputed institutions, fostering academic exchange and collaborative discussion. Submissions were received across key tracks like mathematics and statistics, applied data science, and computational finance.

Organised under the leadership of Dr. Mrinal Jangir as the Convener and Dr. Pushkal Kumar as Co-convener, along with a dedicated team from CQEDS, the conference was a testament to the Centre's continued efforts to promote high-impact research. Through a blend of theoretical depth and real-world relevance, the 2nd Annual QEDS Conference once again reinforced the role of quantitative methods in addressing evolving challenges in finance and data science.

EVENTS

Workshop on "Frontiers of Research in Applied Econometrics and Public Policy"

The Workshop on Frontiers of Research in Applied Econometrics and Public Policy Analysis was organized by the Centre for Quantitative Economics and Data Science (CQEDS), Birla Institute of Technology, Mesra on 24th–25th April, 2025. Sponsored by the Anusandhan National Research Foundation (ANRF) and the Indian Council of Social Science Research – Eastern Regional Centre, the two-day workshop served as a platform for researchers, faculty members and students to engage with evolving econometric methods and their applications in public policy.

The event was part of the institute's 70th year celebrations and aimed at promoting contemporary research using modern econometric tools to analyze critical policy issues. The workshop focused on challenges arising from global economic volatility, development inequalities, and financial instability, offering innovative approaches in quantitative policy analysis and data interpretation.

EVENTS

Workshop on "Frontiers of Research in Applied Econometrics and Public Policy"

The workshop featured two keynote lectures by Prof. Achin Chakraborty (Institute of Development Studies, Kolkata) and Prof. Sibaji Koir (Centre for Studies in Social Sciences, Calcutta), focusing on normative measurement and global climate policies. In addition, invited lectures and lead talks were delivered by Prof. Siddhartha Chattopadhyay (IIT Kharagpur), Prof. Partha Chatterjee (Shiv Nadar University), and Prof. Paramita Mukherjee (XIM University Bhubaneswar), covering issues related to household consumption, macroeconomic shocks, gold import demand and multivariate time series.

EVENTS

Technical sessions offered detailed insights into advanced topics such as sentiment-based consumption predictions, taxation networks, multivariate modelling, and limited dependent variable analysis. These sessions were chaired by senior faculty members from BIT Mesra and other reputed institutions, fostering a dynamic academic environment for knowledge exchange.The workshop was well attended by researchers and scholars from various parts of India, creating opportunities for collaborative discussions and exposure to cutting-edge econometric practices. With its blend of foundational knowledge and real-world applications, the workshop highlighted the critical role of econometrics in shaping effective public policy decisions. It reaffirmed CQEDS's vision of making such events a regular academic feature to promote interdisciplinary and socially impactful research

Participants gained exposure to advanced problem-solving strategies in fields ranging from labour economics and health sector dynamics to environmental and macroeconomic policy.

About E.D.GE

Entente of Global Economics and Data Science (EDGE), the official student club of the Centre for Quantitative Economics and Data Science (QEDS) at BIT Mesra. EDGE serves as a pivotal platform for students to translate theoretical knowledge in economics and data science into practical, impactful solutions that align with the institute's commitment to academic and professional excellence.
Looking ahead, EDGE aims to deepen its impact by forging collaborations with startups, NGOs, and research organizations on live, real-world projects. These initiatives will focus on areas such as market research, impact evaluation, and policy analysis, providing students with unparalleled experiential learning opportunities.

Core Objectives

- **Skill Enhancement:** Conducts hands-on workshops in Python, R, machine learning, and data visualization to develop industry-ready skills.

- **Research Focus:** Undertakes faculty-guided projects in economics and public policy, leading to publications and conference presentations.

- **Industry Engagement:** Hosts guest lectures, interactive sessions, and competitions to connect students with real-world applications.

- **Knowledge Sharing:** Creates infographics and explainers to make complex economic and data concepts accessible to a wider audience.

EVENTS

Fresher's Welcome
Every year E.D.G.E conducts a freshers welcome for newly admitted students in CQEDS

Teacher's Day
Every year E.D.G.E conducts Teacher's Day for all the faculties in CQEDS

Workshops
- ML
- Data Analytics
- CP/DSA

Projects
E.D.G.E is planning to take on real life projects from the industry in order to increase hands on experience

Senior - Junior Interaction
E.D.G.E aims to increase senior junior interaction in the branch so that the newly admitted students don't frrl like a stranger.

Notable Visits to Centre

NOTABLE VISITS

Prof.Saibal Kar

RBI Chair Professor of Economics
Centre for Studies in Social
Sciences, Calcutta

Visiting Event

Workshop on frontiers of Research in
Applied Econometrics and Public Policy
Analysis 2025

Prof. Achin Chakraborty

Professor and Former Director,
Institute of Development Studies Kolkata

Visiting Event

Workshop on frontiers of Research in
Applied Econometrics and Public Policy
Analysis 2025

Prof.Siddhartha Chattopadhyay

Department of Humanities and Social
Sciences, IIT Kharagpur

Visiting Event

Workshop on frontiers of Research in
Applied Econometrics and Public Policy
Analysis 2025

Prof.Paramita Mukherjee

School of Economics, XIM University
Bhubaneswar

Visiting Event

Workshop on frontiers of Research in
Applied Econometrics and Public Policy
Analysis 2025

Prof. Partha Chatterjee

School of Humanities,
Shiv Nadar Institution of Eminence

Visiting Event

Workshop on frontiers of Research in
Applied Econometrics and Public Policy
Analysis 2025

Prof.Tushar Kanti Nandi

Department of Humanities and Social
Sciences, IISER Kolkata

Visiting Event

Workshop on frontiers of Research in
Applied Econometrics and Public Policy
Analysis 2025

Notable Visits to Centre

NOTABLE VISITS
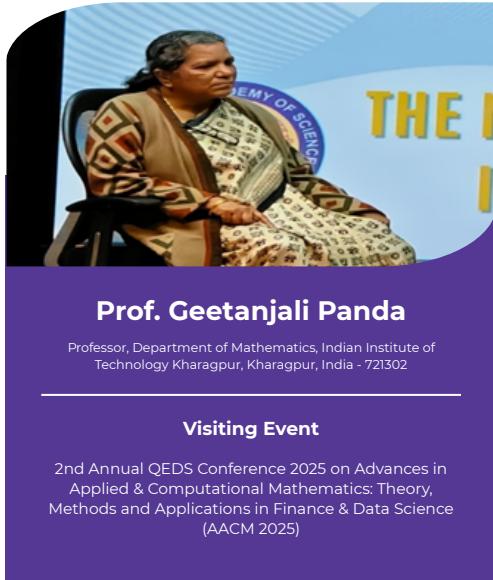
Prof. Geetanjali Panda

Professor, Department of Mathematics, Indian Institute of Technology Kharagpur, Kharagpur, India - 721302

Visiting Event

2nd Annual QEDS Conference 2025 on Advances in Applied & Computational Mathematics: Theory, Methods and Applications in Finance & Data Science (AACM 2025)
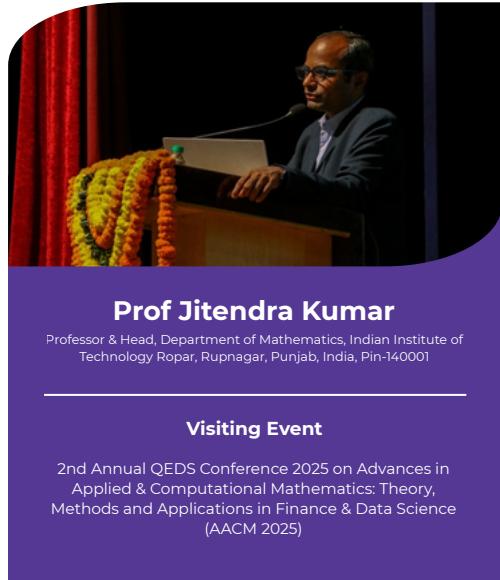
Prof Jitendra Kumar

Professor & Head, Department of Mathematics, Indian Institute of Technology Ropar, Rupnagar, Punjab, India, Pin-140001

Visiting Event

2nd Annual QEDS Conference 2025 on Advances in Applied & Computational Mathematics: Theory, Methods and Applications in Finance & Data Science (AACM 2025)
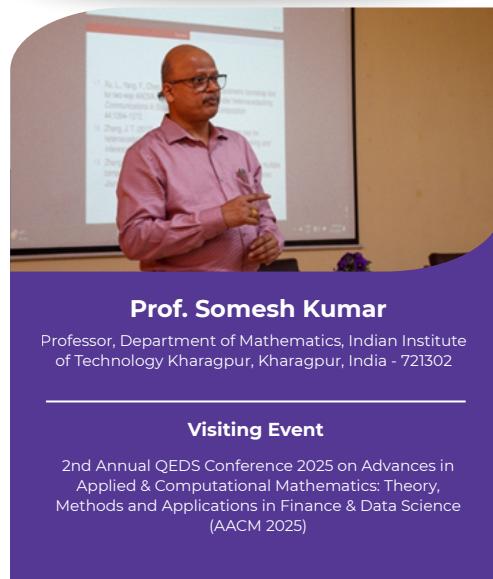
Prof. Somesh Kumar

Professor, Department of Mathematics, Indian Institute of Technology Kharagpur, Kharagpur, India - 721302

Visiting Event

2nd Annual QEDS Conference 2025 on Advances in Applied & Computational Mathematics: Theory, Methods and Applications in Finance & Data Science (AACM 2025)

Dr. Manab Majumdar

Deputy Secretary General, FICCI

Visiting Event

2nd Annual QEDS Conference 2025 on Advances in Applied & Computational Mathematics: Theory, Methods and Applications in Finance & Data Science (AACM 2025)

Prof. Malay Bhattacharya

Associate Professor, Machine Intelligence Unit, Indian Statistical Institute
203 Barrackpore Trunk Road
Kolkata 700 108, India

Visiting Event

2nd Annual QEDS Conference 2025 on Advances in Applied & Computational Mathematics: Theory, Methods and Applications in Finance & Data Science (AACM 2025)

Prof. Manas Ranjan Tripathy

Professor, Department of Mathematics, National Institute of Technology Rourkela, Odisha, India, 769008

Visiting Event

2nd Annual QEDS Conference 2025 on Advances in Applied & Computational Mathematics: Theory, Methods and Applications in Finance & Data Science (AACM 2025)

Notable Visits to Centre

NOTABLE VISITS

Ms. Avani Birla

President
Orient Electrical

Visiting Event

Platinum Jubliee Celebration

Mr. Sanjay Singh

Olympian (Archery); Tata Group

Visiting Event

Convocation

Departmental Visit during
"Workshop on Frontiers of Research in Applied Econometrics
and Public Policy Analysis 2025"

Research Scholar's Corner —

Nisha Kumari

She is an Institute Research Fellow registered at the Centre under the supervision of **Dr. Shrimoyee Ganguly**. She is working in the area of Greening India's Exports, addressing CBAM challenges by mapping sectoral vulnerabilities, simulating trade impacts, and creating strategies for sustainable, competitive exports for global climate-conscious regimes and SDGs.

Muskan Chhetri

Doctoral scholar at the Centre for Quantitative Economics and Data Science, BIT Mesra, under **Dr. Tina Dutta**. Qualified WB SET (2023) and UGC-NET (June 2024, Dec 2024, June 2025). Specializes in Labour Economics and the Gig Economy, exploring socio-economic implications and policy-relevant research linking academia and real-world labour dynamics.

Adrija ray Dauka

Ph.D. scholar in Statistics (CQEDS, BIT Mesra) under **Dr. Pushkal Kumar**. Researches Finite Mixture Models (Classical & Bayesian Approaches) to advance statistical modeling and inference. Holds B.Sc. (2019) and M.Sc. (2021) in Statistics. Former Data Scientist at Axis Bank (2021–22) and Assistant Professor at Brainware University (2023–24). Experienced in teaching and mentoring in statistics.

RESEARCH SCHOLAR

Research Scholar's Corner ━━━

Exisitng Scholars ─────────────────────

Anirban

Explainable AI for Hyperspectral Image Processing
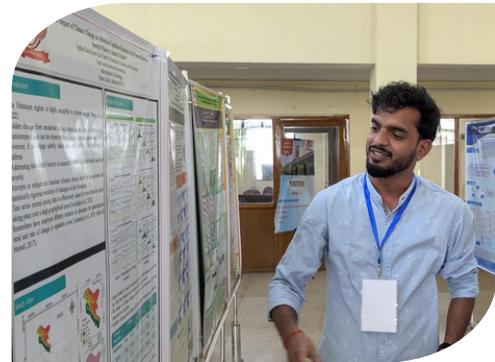
Neeraj Kumar Maurya

Working in the area of Climate changes prediction and forecasting for Western Himalayas

SK Habibul Rahaman

Working in the area of " Satellite Data Assimilation in the WRF Model through Deep Learning"

Swati Chourasia

Working on assessment of nutritional outcome of under-five children in India.

Parth Surydhwaj

Working in the area of Explainability and Multimodality in Language Models.

Bhola Mahto

Working in the area of "Interpretability and Explainability in Hyperspectral medical images" (HMI)

Research Scholar Achievements

Parth Surydhwaj

Winner of Annual Research Colloquium 2025 (ResCol V) – Oral Presentation, BIT Mesra

Bhola Mahto published a conference paper "Vision Transformer-Driven Brain Tumor Identification with Local Interpretable Model Explanations" accepted for presentation and publication at IEEE International Conference on Computational Systems and Data (ICCoSD), 2025.

Muskan Chhetri qualified West Bengal State Eligibility Test (WB SET) i2023. Qualified UGC-NET three times - June 2024, December 2024, and June 2025 (Economics).

Adrija Ray Dakua has professional experience as a Data Scientist at Axis Bank (2021–2022) and later served as an Assistant Professor at Brainware University (2023–2024), contributing to both industry and academia in the field of data science.

Neeraj Kumar Maurya

Winner of Annual Research Colloquium 2025,(ResColV)Poster Presentation, BIT Mesra.

ACHIEVEMENT

Faculty Activities

Events Attended

FACULTY CORNER

Dr. Saheli Bose

- **2nd–3rd January 2025** – Attended the 34th Annual Conference of the Department of Economics, Jadavpur University, organized by Jadavpur University and funded by BIT Mesra, held in Kolkata.

Dr. Tina Dutta

- **26th–27th March 2025** – Delivered expert sessions during the National Workshop on Data Analysis using R and Python, organized by the Department of Statistics, Utkal University, Bhubaneswar.

Dr. Mrinal Jana

- **24th–28th June 2025** – Participated in the Faculty Development Program on A Scientific Way of Research Paper Writing, organized by the Research Foundation of India in collaboration with Parul University, Gujarat, and SHODH, Education Department, Gujarat, held at Parul University, Gujarat.

Dr. Shrimoyee Ganguly

- **26th–30th June 2025** – Participated in a Five-Day Workshop cum Faculty Development Program on Statistics, Machine Learning, and Optimization, organized by the Department of Computational Science and Humanities, IIIT Kottayam (conducted online).

Faculty Activities

Events Attended

Dr. Manish Kumar Pandey

- **2nd February 2025** – Panelist in the Panel Discussion on Artificial Intelligence in Education at the 1st Annual Conference of Ranchi Sahodaya School Complex 2025, held at Chanakya BNR Hotel, Ranchi.

- **7th–9th February 2025** – Delivered a talk on Artificial Intelligence & Machine Learning at the National Workshop on Big Data Analysis for the Assessment of Vegetative Conditions, organized by SERB and held at the Institute of Environment & Sustainable Development, Banaras Hindu University, Varanasi.

Dr. Kusum Mishra

- **26th - 31st May 2025** - Attended one week short term training program organised by Department of Physical Education and Department of Computer Science, Indira Gandhi National Tribal University, Manipur on "Transforming education with AL strategies for innovation and engagement"

Faculty Activities

Research Publications

FACULTY CORNER

Responsive early childhood parenting, preschool enrollment, and eventual student learning outcomes: a cross-country analysis using hierarchical linear modeling with TIMSS 2019 data

Co-authored by **Saheli Bose**, Aditi Bhutoria, and Nayyaf Aljabri, this article was published in the International Journal of Child Care and Education Policy, Volume 19(1), pp. 1–22 (2025). (DOI: 10.1186/s40723-025-00141-6). Indexed in Scopus, it is an international publication.

Assessment of flood damage severity, economic growth dynamics and relief fund allocation in the districts of Bihar: A non-parametric approach

Co-authored by K. Kumari, Tamalika Koley, and **Tina Dutta**, this article was published in the International Journal of Disaster Risk Reduction, Volume 116, 105047 (January 2025). (DOI: 10.1016/j.ijdrr.2024.105047). Indexed in Scopus and categorized as ABDC-A, it is an international publication.

International Trade and Uneven Gains: What Do Theory and Structure of India's Foreign Trade Tell Us?

Co-authored by R. Acharyya and **Shrimoyee Ganguly** , this chapter appeared in 75 Years of Growth, Development and Productivity in India: Issues, Measures, Causes, and Impacts, edited by Dibyendu Maiti, Bishwanath Goldar, and K.L. Krishna, and published by Springer Nature (2025). It is an international publication.

Faculty Activities

FACULTY CORNER

Ongoing/New Projects

- **Dr. Manish Kumar Pandey** is serving as Principal Investigator (PI) for the project "Development and Validation of Graph Optimization Based Multi-Sensor Fusion Algorithm to Establish Real-Time Connections between Climatic Variables in Himalayan Ecohydrological Process Networks for Future Climate Projections", funded by BIT Mesra, sanctioned on 27th September 2022 with a grant of ₹5,00,000, running from 27.09.2022 to 31.12.2025.

- **Dr. Manish Kumar Pandey** is working as Co-Principal Investigator (Co-PI) on the project "Microwave Satellite Data Assimilation in Weather Research & Forecasting Model through Deep Learning for Improved Forecasting of Surface and Sub-Surface Soil Moisture Conditions", funded by SERB-CRG, sanctioned on 1st March 2023 with a grant of ₹25,41,240, for a duration of 3 years.

- **Dr. Manish Kumar Pandey and Dr. Shrimoyee Ganguly** are working as PI and Co-PI, respectively, in the Asha & Sajjan Agarwal Foundation-funded Project "Development of Machine Learning Tool for Reducing Exposure to ESG (Environmental, Social, and Governance) Risks", sanctioned amount of 14,91160 INR in July 2025.

- **Dr. Saheli Bose** is carrying out the project "Behavioural Responses and the Impact of Environmental Knowledge of Ponds: Evidence from Field Experiment in India", funded by ICIMOD, sanctioned on 15th January 2024 with a grant of ₹20,69,000, for a duration of 2 years. Tithi Das is working as Research Fellow in this project.

- **Dr. Saheli Bose** is collaborating on the project "on "Tracing the Transition: A Longitudinal Study of Skilling and Labor Market Outcomes of Indian Youth in Orissa, Jharkhand, Telangana and West Bengal"", funded by ICSSR, with a grant of ₹48,50,000, for a duration of 5 years between 23rd September 2024 and 22nd September 2029. Divyanshi Raj is working as Research Fellow in this project.

Faculty Members

FACULTY CORNER

Dr.Manish Kumar Pandey
Assistant Professor
Data Science

Dr. Mrinal Jana
Assistant Professor
Mathematics

Dr. Shrimoyee Ganguly
Assistant Professor
Economics

Dr. Saheli Bose
Assistant Professor
Economics

Dr. Kusum Lata Mishra
Assistant Professor
HR development

Dr. Tina Dutta
Assistant Professor
Statistics

Dr. Pushkal Kumar
Assistant Professor
Statistics

Dr. Lakshman Mahto
Assistant Professor
Mathematics

Dr. Ashkamini
Assistant Professor
Statistics

Dr. Sunny Bhushan
Assistant Professor
Economics

Student's Achievements

K21 Batch

- **Aayushii Singh** has gained a valuable professional experience through her internship at the National Bank for Agriculture and Rural Development (NABARD)
- **Harsh Ranjan** has gained insightful professional exposure through his internship at the Reserve Bank of India (RBI)
- **Sudhanshu Kumar** is currently working as AI intern at Bosch.
- **Navneet Kumar** and **Yaagik Maurya** worked in the Digital Innovation Lab (DIL) in the thematic area of Intelligent Object Identification and Agentic AI respectively.

K22 Batch

- **Bhavya Jha** has demonstrated outstanding academic excellence in competitive economics entrance examinations: Secured All India Rank 37 in the ISI MSQE Entrance Exam, All India Rank 6 in the IIT Kanpur MSc Economics Entrance, and All India Rank 96 in the IIT JAM Economics.
- **Naman Khatwani, Aastha Chhabra,** and **Ashish Ranjan** completed a 2-month internship at Digital Innovation Lab (DIL) working on the thematic areas of LLM, AI in Forecasting, and Intelligent Object Identification.
- **Dhruv** has demonstrated strong business acumen by winning prestigious competitions such as B-Plan and BIT Nishan, collectively earning a prize of ₹1.5 Lakh. His innovative ideas were also recognized at BITOSA Kolkata, where he presented impactful solutions to real-world challenges. Currently, he is working as a Data Analyst Intern at the Ministry of Electronics and Information Technology (MeitY)

Student's Achievements ———

K23 Batch

- **Arnav Dash Choudhury** has worked as a Summer Treasury Intern at EY (Ernst & Young) since 2nd June 2025, where he is gaining hands-on experience in financial risk management, cash flow analysis, and corporate treasury operations.
- **Priyanshi Agarwal** received a Consolation Prize(Rs. 20,000) in a National Hackathon organized by the Ministry of Statistics and Programme Implementation (MoSPI). She was recognized for developing an interactive HCES (Household Consumer Expenditure Survey) data dashboard, which provided meaningful insights through effective data visualization and analysis.
- **Himanshu Kumar** received a Consolation Prize(Rs. 20,000) in a National Hackathon organized by the Ministry of Statistics and Programme Implementation (MoSPI). He was recognized for developing an interactive Consumer Price Index (CPI)data dashboard.
- **Priyanshu Ranjan** has secured 5th place in Code Conquest 2025 (IISC Bangalore), 11th rank in Codefest (NIT Durgapur), and 7th rank in ACM CQM - 6 . He has also achieved a specialist rank on Codeforces, max rated 1430, and a 3-star coder on CodeChef, max rated 1707.
- **Rohit Singh** is the Founder and Managing Director of Mentivisor Pvt. Ltd., a DPIIT-recognized startup focused on mentorship and educational innovation.
- **Sawon Mitra** has worked as a Research Intern at XLRI Jamshedpur.
- **Anoushka Aditi** has worked as a Summer Intern at EY India (June–July 2025).
- **Anant Chahal** has been the previous winner and current runner-up of an open badminton tournament; he is also the badminton team captain of the institute.
- **Aditya Kumar** has been working as AI intern at Data Design.

K24 Batch ———

- **Nishchal Raj** has worked as a Research Intern at 1 Vendor Platform.

BIT SIPAR

This year, CQEDS welcomed its first cohort of BIT SIPAR interns, who undertook exciting projects at the intersection of economics, data science, and finance. Among them were: Shreya Verma (BIT Mesra) with her work on Advanced Machine Learning for Modeling Sectoral Dynamics in Indian Financial Markets; Ridhima Tamang (Banasthali Vidyapeeth) on Stock Market Prediction During Global Crises Using Deep Learning and Sentiment Analysis; Rashmi Kumari (BIT Mesra) on Forecasting and Impact Analysis of ESG Factors on Industry Dynamics of Companies Using Machine Learning; Anushka Priya (Amity University, Jharkhand) on ESG Risk Management Through Data-Driven Insights and Machine Learning Models; Swayam Kumar Yadav (BIT Mesra) on Evaluation of Optimal Priority Levels in Credit Score Using Efficient Feature Engineering and Machine Learning Algorithms; and Sampath Kumar Midde (BIT Mesra) on Advanced Machine Learning Frameworks for Real-Time Operational and Liquidity Risk Prediction in the Financial Sector.

Centre in News

Digital innovation lab in BIT Mesra

TIMES NEWS NETWORK

Ranchi: A digital innovation Lab (DIL) has been launched at Birla Institute of Technology

professor Indranil Manna said that the innovations produced at DIL would not only benefit the individual companies but also...

13 फरवरी से बीआईटी मेसरा में वार्षिक क्यूईडीएस सम्मेलन

रांची। बीआईटी मेसरा अपने प्लेटिनम जुबली समारोह के अंतर्गत द्वितीय वार्षिक क्यूईडीएस सम्मेलन की मेजबानी करने जा रहा है। यह 13 और 14 फरवरी को होगा। इसका विषय 'अनुप्रयुक्त और कम्प्यूटेशनल गणित में प्रगति: डेटा विज्ञान में सिद्धांत, तरीके और अनुप्रयोग (एसीएम-2025)' है। सम्मेलन में इस क्षेत्र की वर्तमान समस्या पर चर्चा होगी। इसके...

बीआईटी मेसरा में गणित, सांख्यिकी और डाटा साइंस पर दो दिवसीय कार्यशाला 13-15 फरवरी को

रांची: राजधानी रांची के लालपुर स्थित बीआईटी मेसरा में दो दिवसीय गणित, सांख्यिकी और डाटा साइंस के नवाचार को बढ़ावा देने के लिए एक कार्यशाला का आयोजन किया जायेगा। इसमें देश विदेश के कई एक्सपर्ट अपने विचार को रखेंगे...

डेटा साइंस-इंजीनियरिंग कॉन्क्लेव आज से

छात्र अत्याधुनिक तकनीकों में काम कर रहे : डॉ मनीष

रांची, विशेष संवाददाता। बिरला इंस्टीट्यूट ऑफ टेक्नोलॉजी (बीआईटी), मेसरा अपने प्लैटिनम जुबली समारोह के हिस्से के रूप में दो दिवसीय अंतरराष्ट्रीय डेटा साइंस एंड इंजीनियरिंग कॉन्क्लेव - आईडीएससीई-24 का आयोजन 21-22 अक्टूबर को कर रहा है। यह कॉन्क्लेव एड्रोसोनिक...

बीआईटी मेसरा में डाटा साइंस प्रशिक्षण कार्यक्रम का समापन

बीआईटी: क्वांटिटेटिव इकोनॉमिक्स व डेटा साइंस के इंटीग्रेटेड कोर्स में नामांकन सितंबर से

जेईई के स्कोर के आधार पर 30 सीटों पर होगा एडमिशन

कुलपति ने सकारात्मक रूप से डाटा का लाभ उठाने पर दिया जोर

जारा, रांची : बीआईटी मेसरा ने सेंटर फर क्वांटिटेटिव इकोनॉमिक्स एंड डाटा साइंस ने एडमिनिस्ट्रेटिव स्टाफ कॉलेज ऑफ इंडिया हैदराबाद के लिए डाटा एनालिटिक्स पर एक दिवसीय राष्ट्रीय कार्यशाला का आयोजन किया...

बीआईटी मेसरा में डाटा एनालिटिक्स तकनीक पर कार्यशाला आयोजित

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द्वितीय वार्षिक डाटा साइंस सम्मेलन 13 से 15 तक

रांची। बिरला प्रौद्योगिकी संस्थान (बीआईटी), मेसरा के प्लैटिनम जुबली समारोह के अंतर्गत संस्थान के सेंटर फॉर क्वांटिटेटिव इकोनॉमिक्स एंड डाटा साइंस (सीक्यूईडीएस) की ओर से द्वितीय वार्षिक सम्मेलन का आयोजन 13-15 फरवरी तक किया जा रहा है। विषय है- डेटा विज्ञान में अनुप्रयुक्त और कम्प्यूटेशनल गणित, सिद्धांत, विधियों और अनुप्रयोगों में प्रगति।

'AI can't replace human emotions, and experiences'

TIMES NEWS NETWORK

बीआईटी में नई शुरुआत, अधिक...

कार्यशाला में देश भर के वक्ताओं ने रिमोट सेंसिंग की दी जानकारी

एआई आधारित डिजिटल इनोवेशन लैब में तय होंगे नए मानक

युवाओं को तैयार करने की योजना: जेम्स फेयरग्रीव

बीआईटी मेसरा में डेटा एनालिटिक्स पर कार्यशाला

रांची। बिरला इंस्टीट्यूट ऑफ टेक्नोलॉजी, मेसरा के सेंटर फॉर क्वांटिटेटिव इकोनॉमिक्स एंड डेटा साइंस की ओर से एडमिनिस्ट्रेटिव स्टाफ कॉलेज ऑफ इंडिया हैदराबाद के सहयोग से डिसीजन मेकिंग के लिए डेटा एनालिटिक्स पर एक दिवसीय राष्ट्रीय कार्यशाला का आयोजन किया गया।

बीआईटी मेसरा में बनेगी इनोवेशन लैब

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