



## ***Executive Summary***

During the 2023-24 academic year, the Institute of Engineering and Management (IEM), Kolkata, achieved significant academic and placement milestones. The institute enrolled 8,185 students across 20 academic programs and successfully graduated 1,463 students. Supported by 458 qualified faculty members, IEM offered 1,761 courses, including 633 focused on employability and entrepreneurship, across 115 classrooms and 3,032 computers. The institution maintained a high pass rate of 99.93%. Industry collaborations and community engagement involved 5,482 students in 39 outreach programs. In placement achievements, 774 BTech students were placed with a median salary package of INR 6 LPA, reflecting a 25% increase. MBA placements stood at a median package of INR 16.4 LPA with 257 students placed, while 23 MTech students secured placements with a median package of INR 3.36 LPA. Research flourished with 620 publications and 11 patent filings. IEM's strategic priorities for 2024-25 include program expansion, enhanced outcome-based education, greater integration of technology and AI, and expanded community programs. These efforts align with the institution's commitment to delivering quality education, fostering innovation, and driving societal impact through skill development, research excellence, and inclusive growth.

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## ***Overview and Context***

The 2023-24 academic year marked significant progress for the Institute of Engineering and Management (IEM), Kolkata, renowned for its diverse programs across engineering, management, and applied sciences. The institute served 8,185 students with 20 academic programs and 1,463 graduates, supported by 458 qualified faculty members. Emphasizing outcome-based education, IEM offers 1,761 courses, including 633 focused on employability. Its robust infrastructure includes 115 classrooms, over 3,000 computers, and 23 research centers. The academic experience integrates ethics, sustainability, and SDGs, with extensive community outreach involving 5,482 students in 39 programs. IEM maintains a high pass rate of 99.93% and fosters innovation through 620 research publications and 11 patents. Future plans aim at expanding programs, leveraging AI, and deepening community engagement, underscoring IEM's commitment to quality education and societal impact.

## ***Core Mandate***

To bring positive change in society, IEM focuses on providing high-quality education, improving teaching methods, combining research with learning, and empowering students from all backgrounds. The institute encourages lifelong learning, critical thinking, and developing strong ethical leadership skills.

## ***Strategic Objectives for 2024-25***

- Expand academic programs with a focus on diverse learning areas.
- Strengthen outcome-based education for clear achievement goals.
- Set quality checks aligned with national standards.
- Build partnerships with schools, industries, and research bodies.
- Increase activities supporting Sustainable Development Goal 4.
- Run awareness on educational fairness, digital skills, and sustainability.
- Use strong assessment methods for continuous improvement.
- Embed sustainable development teachings across courses.
- Regularly evaluate and improve teaching effectiveness.

- Create student-focused learning encouraging creativity and problem-solving.

## ***Academic Programs and Student Enrollment***

### **Program Diversity and Comprehensiveness**

The institute operates comprehensive academic infrastructure ensuring students receive access to quality education across diverse disciplines throughout their learning journey. The academic program architecture prioritizes accessibility, relevance, and excellence.

During the 2023-24 academic year, the institution provided:

- 20 distinct academic programs spanning engineering, management, and applied sciences disciplines
- Total student enrollment of 8,185 pursuing undergraduate and postgraduate degrees
- 1,463 graduating students completing final year requirements successfully
- 25 programs operating under Choice Based Credit System (CBCS) promoting academic flexibility

The academic program architecture emphasizes:

- Multidisciplinary and interdisciplinary learning approaches enabling cross-domain knowledge integration
- Industry-aligned curriculum ensuring employability and career readiness
- Research-integrated pedagogy connecting theory with practical applications
- Value-based education incorporating ethics, human values, and social responsibility

The comprehensive student body represents:

- 3,800 new admissions during the reporting period across all programs
- 8,185 total students participating in academic activities and examinations
- Diverse geographic representation with students from multiple states and international backgrounds
- Gender-inclusive environment promoting equal educational opportunities

## ***Academic Infrastructure Capacity***

### **Physical Learning Infrastructure:**

The institute's educational facility portfolio includes:

- 115 classrooms and seminar halls equipped for effective teaching-learning delivery
- 3,032 computers dedicated to academic purposes enabling digital literacy
- State-of-the-art laboratories supporting practical skill development across disciplines
- Digital library resources with over 845,000 books and e-books facilitating knowledge access

## ***Curriculum Design, Development, and Innovation***

### **Curriculum Philosophy and Framework**

The institution continuously develops, updates, and implements program curricula using rigorous procedures aligned with local, national, regional, and global developmental needs reflected in Programme Outcomes (POs), Programme Specific Outcomes (PSOs), and Course Outcomes (COs).

### **Curriculum Development Process**

- Continuous benchmarking with reputed national institutions (IITs, NITs, Jadavpur University) and international universities (MIT, Stanford University)
- AICTE model curriculum integration ensuring compliance with national standards
- Industry and alumni feedback incorporation addressing employment market requirements
- Competitive examination alignment preparing students for GATE, IES, and other assessments
- Outcome-based education (OBE) principles ensuring measurable learning achievements

### **Curriculum Revision and Updates**

During 2023-24, curriculum enhancements included:

- Syllabus revision conducted for 25 programs ensuring contemporary relevance
- 185 new courses introduced expanding academic breadth and interdisciplinary opportunities
- 1,761 total courses offered across all programs during the academic year
- 633 courses focusing on employability and entrepreneurship skill development

## ***Teaching-Learning Excellence and Pedagogical Innovation***

### **Student-Centric Teaching Methodologies**

The institution employs student-centric teaching approaches emphasizing active participation and engagement through experiential learning, participative learning, and problem-solving methodologies.

### **Experiential Learning Initiatives**

- Industrial visits to organizations (VECC, NTH, ERTL, SAMEER) reducing academia-industry distance
- Techno-management festivals (INNOVACION, SYTRON, SRIJAN, SMART Makers Fair, ELEVATE) fostering experiential culture
- Final year industry-related projects assigned from second year under faculty and external industry mentorship
- Research paper publication encouragement with students publishing final year projects

### **Problem-Solving Skill Development**

- Coding competitions, Olympiads, and hackathons organized departmentally promoting coding culture
- Essential Studies for Professionals (ESP) and Skill Development for Professionals (SDP) classes enhancing practical problem-solving abilities
- GATE coaching classes preparing advanced students for higher education and government employment
- Competitive coding sessions building algorithmic thinking and programming proficiency

## ***Technology-Enabled Learning Infrastructure***

### **ICT Integration Framework:**

The institution employs comprehensive Information and Communication Technology (ICT) supporting, enhancing, and optimizing education delivery:

### **Hardware Infrastructure:**

- Fast Internet connectivity: 3.4 GBPS enabling seamless digital access

- 158 LCD projectors and screens facilitating multimedia instruction
- 3,202 computer systems supporting digital literacy development
- 21 seminar rooms enabling industry connect and workshops
- 144+ printers distributed across campuses
- 4 smart boards providing interactive learning experiences
- 24 television displays at prominent campus locations
- 130 sound systems and 196 microphones ensuring effective communication

#### **Software and Digital Resources:**

- Virtual/physical laboratory facilities using LTSpice, Vesta, Logisim, Weka, R, Anaconda, MATLAB Campus License, PROTEUS, CST Studio, Cadence
- Online teaching platforms: Zoom, Google Meet, GoToWebinar, Microsoft Teams, Google Classroom
- Digital library resources: 845,000+ books and e-books
- Journal access: IEEE Digital Library (ASPP-190), Delnet, J-Gate (29,306), EBSCO Business Source Elite (1,064), Springer (222), NDLI
- Library management software: LSEase, KOHA

#### **E-Learning Platforms:**

- IEM Learning: 200+ video lecture courses prepared by IEM faculty
- LinkedIn Learning: 18,000 courses accessible to all students
- NPTEL: 2,000+ courses available
- Coursera: 5,000+ courses with free institutional licenses
- Additional platforms: SAP, Udemy, EdX
- IEMCRP portal for student evaluation and quiz administration

### ***Faculty Excellence and Mentorship***

#### **Faculty Composition and Qualifications:**

During 2023-24, the institution maintained:

- 458 full-time teaching faculty across engineering, management, and science disciplines



- 176 faculty members holding PhD, D.M., M.Ch., D.N.B., D.Sc., D.Litt. qualifications
- 2,449 years cumulative teaching experience at the institution
- Student-to-mentor ratio of 1:17.87 ensuring personalized academic guidance

#### **Faculty Development Initiatives:**

- Regularly organized Faculty Development Programs (FDPs): 2 per department per semester
- Distinguished Foreign Lecture Series conducted by nationally/internationally acclaimed professors
- Performance appraisal system implemented bi-annually for career development
- Standardized promotion policy ensuring fair advancement opportunities
- Research support mechanisms encouraging scholarly publications and innovation

### ***Value-Added Education and Skill Enhancement***

#### **Value-Added Course Portfolio**

The institution offered extensive value-added courses imparting transferable and life skills:

- 5,366 value-added courses offered during the academic year
- 32,192 students enrolled in value-added courses enhancing employability
- 4,948 students undertaking field work, projects, and internships

#### **Employability Enhancement Programs:**

- 633 courses focusing specifically on employability and entrepreneurship skill development
- Essential Skills for Professionals (ESP) courses covering quantitative aptitude, verbal aptitude, verbal ability, critical reasoning
- Skill Development for Professionals (SDP) courses addressing analytical reasoning, data interpretation, emotional intelligence, leadership management
- Soft skill development program integrated into every student's curriculum

#### **Foreign Language Training:**

Collaboration with Accenture providing:

- French language training enhancing international employability

- Japanese language skills opening opportunities in Japanese corporations
- Cross-cultural communication competencies preparing students for global careers

## ***Constitutional and Civic Education***

### **Mandatory Citizenship Courses:**

- Constitution of India course mandatory for all students developing constitutional knowledge and citizenship values
- Values and Ethics courses compulsory for inculcating ethical principles
- Human rights education promoting social justice awareness

## ***International and Online Learning Access***

### **Global Learning Platforms:**

Through institutional MoUs, students access:

- Coursera: Unlimited free courses during enrollment
- Microsoft Certification Programs: Industry-recognized credentials
- LinkedIn Learning: Professional development pathways

### **Study Abroad Programs (SAP):**

- 5 countries hosting study abroad delegations
- International conference participation for students and faculty
- Seminars and workshops in partner international institutions
- Cross-cultural academic exchange broadening global perspectives

## ***Physical Wellness and Holistic Development***

### **Mandatory Wellness Activities:**

- Compulsory yoga sessions conducted by certified instructors promoting mental and physical wellness
- Physical education classes ensuring regular exercise and sports participation
- Martial arts training including karate for self-defense and discipline
- 97 sports and cultural events organized annually promoting active lifestyles

# ***Assessment, Evaluation, and Quality Assurance***

## **Outcome-Based Education (OBE) Implementation Philosophy and Framework**

Outcome-Based Education focuses on achieving specific outcomes regarding what students are expected to learn and demonstrate by program completion, shifting from content-based to learner-centered approaches.

### **Learning Outcome Hierarchy:**

- Programme Outcomes (POs): Broad competencies graduates should possess
- Programme Specific Outcomes (PSOs): Specialized skills within specific disciplines
- Course Outcomes (COs): Specific learning achievements for individual courses

### **Theory Course Assessment:**

- End semester examination: 70% contribution, conducted at semester end
- Internal assessment: 30% contribution comprising:
  - Mid-semester examinations: Two per semester (60% of internal)
  - Assignments: Minimum four per semester (40% of internal)

### **Laboratory Course Assessment:**

- End semester examination: 60% contribution
- Internal assessment: 40% contribution comprising:
  - Daily laboratory performance: Regular basis evaluation
  - Laboratory reports: Assessed continuously
  - Viva voce: Conducted for each experiment

### **CO Attainment Calculation:**

Questions and assignments mapped to Course Outcomes with:

- Average attainment percentages calculated for all students
- Internal assessment weightage: 30%
- End semester weightage: 70%
- Final CO attainment values derived from weighted averages

### **PO and PSO Attainment:**

- Attained PO = Attained CO value  $\times$  correlation coefficient
- Average PO/PSO calculated from mean of attained values
- Continuous monitoring ensuring alignment with institutional vision and mission

## ***Examination System and Academic Integrity***

### **Examination Infrastructure:**

- 41 days average from last examination to result declaration
- 593 student complaints/grievances against evaluation addressed through Examination Grievance Redressal Committee
- University grading system: O (90-100), E (80-89), A (70-79), B (60-69), C (50-59), D (40-49), F (<40)

### **IT-Enabled Examination Management:**

- IEMCRP platform for examination administration
- Question bank upload by faculty to generate examination papers
- Digital marks upload ensuring transparency
- Continuous Internal Assessment (CIA) promoting ongoing learning evaluation

## ***Feedback and Continuous Improvement***

### **Structured Feedback Mechanisms:**

Systematic feedback collection from:

- Students: Course and faculty evaluation
- Teachers: Curriculum and infrastructure assessment
- Employers: Employability and skill gap analysis
- Alumni: Program relevance and career preparation

### **Action Taken Reports:**

- Regular feedback analysis by IQAC and Academic Council
- Curriculum modifications based on stakeholder inputs
- Infrastructure improvements addressing identified gaps
- Faculty development targeting pedagogical enhancements

**Pass Percentage and Learning Outcomes:**

- 1,462 final year students passed examinations conducted by institution
- 99.93% pass percentage demonstrating effective teaching-learning processes
- High attainment of POs and PSOs verified through systematic assessment

***Research Integration and Academic Innovation*****Research Facilities and Infrastructure**

During 2023-24, the institution maintained:

- 23 Centers of Excellence, with 5-6 new centers established during reporting period
- Research and Development Cell (RDC) coordinating institutional research activities
- 4 Innovation and Entrepreneurship Development Centers (IEDCs) supporting student innovation

**Research Output Metrics**

- 1220 research publications produced by faculty and students
- 112 patents filed through IPR Cell including educational technology innovations
- 144 faculty members engaged in research projects
- 124 PhD scholars registered pursuing doctoral research under institutional guidance

**Research Support Mechanisms**

- Seed money allocation: Rs. 289.5 lakhs provided to faculty for research
- Grant: Rs. 43.88 Crore received from government and non-governmental agencies
- 15 departments conducting funded research projects during the year
- 176 faculty recognized as research guides supervising doctoral candidates

**Student Research and Innovation**

- Mandatory research paper publication: Each student encouraged to publish two research papers during course tenure
- Final year project publication: Students instructed to publish final year projects as research papers
- Conference participation: Students attend and present at 44+ institutional conferences

- Industry-guided projects: External industry members serve as final year project guides

#### **Innovation Ecosystem:**

- IEM Entrepreneurship Cell (E-Cell) supporting student ventures
- Business incubation facilities providing mentorship and seed capital
- Healthcare and education technology startups addressing societal challenges

## ***Educational Extension and Community Engagement***

#### **Community Education Initiatives:**

During 2023-24, extension activities encompassed:

- 39 extension and outreach programs conducted addressing educational access and literacy
- 5,482 students participating in community education activities
- 23 awards received for extension work excellence
- 2,809 collaborative activities with partner institutions and community organizations

#### **Skill Development Outreach**

Through partnerships with Lions Club, Inner Wheel Club, and Rotary Club:

- Vocational training programs for economically disadvantaged populations
- Computer literacy initiatives in underserved communities
- Digital literacy campaigns promoting technology access
- Educational material distribution to underprivileged students

## ***Collaborative Partnerships***

#### **Institutional Collaborations:**

- 25 functional Memoranda of Understanding (MoUs) with national and international institutions
- Academic partnerships with IITs, NITs, and international universities
- Industry collaborations ensuring curriculum relevance and placement opportunities
- Research consortiums facilitating joint research and faculty exchange

**Government and NGO Partnerships:**

- Educational mission alignment with National Education Policy (NEP) 2020
- Skill India initiative participation through vocational training
- Digital India support via ICT-enabled education delivery
- NGO collaborations extending educational access to marginalized populations

***Quality Assurance and Accreditation*****Internal Quality Assurance Cell (IQAC)**

- Established: April 30, 2015
- 4 IQAC meetings conducted during the year
- Spearheaded NBA accreditation for MBA, ECE, CSE, EE departments
- Continuous curriculum upgradation based on industry requirements
- Creation of Centers of Excellence and innovative laboratories

**Quality Enhancement Initiatives:**

- Incorporating Generative AI and AI tools in syllabi per industry standards
- Industrial internship encouragement during semester breaks
- External industry member involvement in student project guidance
- Research publication emphasis for final year projects
- Blooms Taxonomy alignment in question paper creation

**Academic Excellence Metrics:**

- NIRF ranking improvement initiatives through enhanced research publications and placements
- AICTE approval successfully obtained for all departments
- Stakeholder feedback analysis with periodic action implementation
- High-impact publication encouragement with conference and journal expense reimbursement

**National Accreditation Status**

- NAAC Accreditation: Cycle 1, Grade A, CGPA 3.25 (2017)
- Autonomous Status: Granted January 12, 2019

- NBA Accreditation: Multiple departments accredited during 2023-24
- AICTE Approval: All programs approved

#### **Academic Bank of Credits (ABC)**

- All students registered with ABC ID enabling academic record portability
- National Academic Depository (NAD) integration: Marksheets and certificates digitally accessible
- Secure credential management providing anytime access to educational records

### ***Educational Technology and Digital Transformation***

#### **Centre of Excellence for Indian Knowledge Systems:**

Established under institutional guidance with advisory board meeting held December 1, 2023 with a vision to become globally recognized institution promoting Indian subcontinent heritage harmonized with modern knowledge systems. Its areas of interest are

- History of Science and Technology
- History of Medical Science
- Art and Architecture
- Numismatics and Epigraphy
- Engineering, Mathematics, Biological Sciences
- Astronomy, Health, Environment, Law
- Sustainable Development

#### **Some of its recent initiatives are**

- Online course: Ancient Indian Astronomy led by Prof. Amitabha Ghosh, INSA Emeritus Scientist
- YouTube channel: Classes available for broader audience access
- Coin exhibition: Collaboration with Numismatic Society of Calcutta showcasing historical Indian coins
- Gallery development: Sparking interest in IKS among school and college students

#### **Academic Calendar and Teaching Plans**

- Comprehensive academic calendar outlining key milestones, examination periods, essential events



- Preliminary meetings with HODs, Director, COE, and Dean Academics
- Teaching plans alignment with curriculum objectives and educational standards
- Collaborative lesson plan design catering to various learning styles
- Accountability and reliability culture preparing students for academic success

## ***Infrastructure and Learning Resources***

### **Library and Information Resources**

- 845,000+ books and e-books in central library
- Journal subscriptions: IEEE Digital Library (ASPP-190), Delnet, J-Gate (29,306), EBSCO (1,064), Springer (222)
- NDLI access: Free for all stakeholders
- Library management systems: LSEase, KOHA
- Reading spaces and study areas accommodating diverse learning preferences

### **Laboratory and Specialized Facilities**

- Engineering laboratories: Equipped with modern instruments and software
- Management simulation labs: Business scenario analysis and decision-making
- Computer laboratories: 3,032 computers for programming and computational work
- Research laboratories: Advanced equipment supporting doctoral and faculty research

### **Specialized Centers**

- 23 Centers of Excellence supporting interdisciplinary research and innovation
- 14 Innovation and Entrepreneurship Development Centers fostering startup culture
- IEM Institute of Fundamental Research promoting basic sciences
- Astronomical Research Lab with advanced telescope facilities
- AI Innovation Center exploring artificial intelligence applications

## ***Data and Metrics***

<b>Metric/Category</b>	<b>Value and Description</b>
Total Student Enrollment	8,185 students across 20 academic programs
Number of Graduates	1,463 students successfully completed final year
New Admissions	3,800 students during 2023-24 academic year
Pass Rate	99.93% high academic performance
Total Teaching Faculty	458 full-time faculty members
Faculty with PhD	176 faculty with doctoral qualifications
Student-to-Mentor Ratio	1:17.87 personalized guidance
Number of Academic Programs	20 programs (Engineering, Management, Applied Sciences)
Number of Computers	3,032 computers for academic use
Total Courses Offered	1,761 courses including 633 employability-focused
Library Books & E-Books	845,000+ physical and digital resources
BTech Students Placed	774 placed, median package INR 6 LPA (25% increase)
MBA Students Placed	257 placed, median package INR 16.4 LPA
MTech Students Placed	23 placed, median package INR 3.36 LPA
Research Publications	620 publications by faculty and students
Patents Filed	11 patents from institutional IPR cell
Research Funding	Rs. 289.5 lakhs seed money, Rs. 43.8 crore grants
Community Programs	39 programs with 5,482 student participants
NBA Accredited Departments	5 departments including MBA, ECE, CSE, EE
NAAC Accreditation	Grade A, CGPA 3.25, Autonomous since 2019

### ***Challenges, Learnings, and Adaptive Strategies***

- Optimize faculty-student ratio for personalized attention.

- Expand infrastructure to handle more students.
- Secure funding for larger research projects.
- Upgrade technology to stay current.
- Address diverse student learning needs.
- Update curriculum to keep pace with technology.
- Balance depth and breadth in course offerings.
- Ensure authentic assessments in digital exams.
- Coordinate varied programs efficiently.
- Align curriculum with industry needs.
- Maintain quality assurance across departments.
- Use feedback for continuous improvement.
- Outcome-based education measures learning well.
- Partnerships with industry improve job readiness.
- Research enhances critical thinking skills.
- Technology increases learning access and engagement.
- Student-centered methods boost motivation.
- Continuous feedback helps timely adjustments.

### ***Future Directions and Expansion Strategies***

- Launch new interdisciplinary programs in emerging fields.
- Introduce micro-credentials and certificate courses for lifelong learning.
- Develop online and hybrid learning options to reach more students.
- Offer executive education for working professionals.
- Improve education quality with stronger outcome-based frameworks.
- Increase faculty with PhDs to 50% across departments.
- Aim for over 800 research publications annually.

- Work toward higher rankings like NIRF.
- Use Learning Management Systems and AI to enhance learning.
- Develop virtual labs and digital content libraries.
- Expand Centers of Excellence and increase patents to over 20 yearly.
- Promote industry-sponsored and interdisciplinary research.
- Scale educational outreach to underserved communities.
- Create adult literacy and vocational training programs.
- Provide free online courses for wider access.

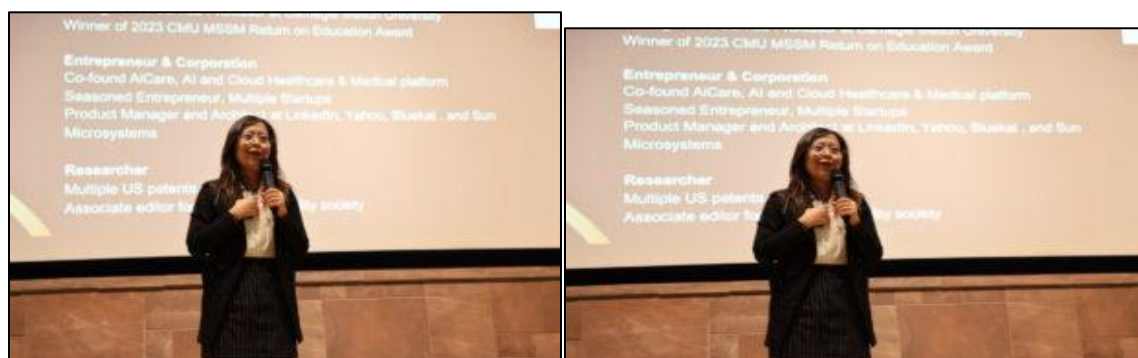
## ***Acknowledgments and Gratitude***

Profound appreciation is extended to the institutional leadership for their visionary guidance and strong support for educational excellence. Dedicated faculty members provide daily, innovative instruction to foster student growth. Collaborative academic partners enhance research and teaching quality, while industry partners offer valuable practical learning and placement opportunities. The alumni community contributes meaningful mentorship and financial aid. Students show enthusiasm in learning and development, supported by government agencies that ensure policy alignment and funding. Accreditation bodies play a key role in maintaining and improving quality through rigorous evaluations. Special recognition is given to partner organizations whose continued support has driven significant progress toward inclusive, equitable, and quality education goals.

## *Photo Gallery*



*International Conference on Advancing Science and Technologies in Health Science  
(IEM-HEALS 2024) On September 13, 2024*



*IEEE CCWC 2024 was organized from 8th January 2024 to 10th January 2024 at the  
University of Nevada, Las Vegas, USA.*



*International Conference on English Learning and Teaching Skills will be organized from 9th February 2024 to 11th February 2024.*



*3rd International Conference on Innovative Research Practices in Social Sciences (IRPSS-2023) in association with Smart Society, USA; ICRC-AIMA; Academy of Indian Marketing, scheduled on November 16, 17 & 18, 2023.*

5<sup>th</sup> International Conference on Emerging Trends in Mathematical Sciences & Computing (IEMSC-24)  
February 02-04, 2024  
Organized by  
Department of Basic Science & Humanities  
Institute of Engineering & Management, Kolkata

**Call for papers** **To be conducted in hybrid platform**

**Highlights:**  
Selected high-quality papers will be published in their Chapters in CRC Press, Taylor & Francis group and Springer Wiley USA and to be indexed by Scopus, Rept of the papers will be published in the Journal of Mathematical Sciences & Computational Mathematics (JMCS), a US-based journal published by MAAST Society, USA, all at no extra cost.

**Keynote/Plenary Speakers**

 <b>Alexandru Căstănuș</b> Polytechnic University, Italy	 <b>Arindam Karmakar</b> IEM Kolkata	 <b>Anil Kishore</b> Guangdong Technological University, China	 <b>Anagha Kumar</b> IEMSC Chennai
 <b>Elisea Schneider</b> Washington State University, USA	 <b>Gaurav Bhatnagar</b> Lata Manjekar PVT Ltd, Singapore	 <b>Prabir Panigrahi</b> IIT Kharagpur	 <b>Subenay Chakraborty</b> Jadavpur University

**Important Dates:**  
Paper submission last date: 17/12/2023  
Notification of acceptance: 30/12/2023  
Last date of registration: 30/12/2023  
**Conveners:**  
Kishore Chandra (9187758 77952)  
Sanku Das (91 80968 82344)  
**Co-Conveners:**  
Bhaskar Bhatnagar (91 98304 13254)  
Anubhav Ray (91 90888 40754)  
IEM Soc (91 82788 45867)  
Email: iemsc@iem.edu.in Website: <https://iemsc.conferencesociety.org/>

Category	Type	Registration Fees			
		Students	Prof. Emeritus/Retiree	Life	Life Honorary
India	Online	INR 100	INR 100	INR 100	INR 100
	Offline	INR 150	INR 150	INR 150	INR 150
Abroad	Online	INR 300	INR 300	INR 300	INR 300
	Offline	INR 400	INR 400	INR 400	INR 400
Industry	Online	INR 100	INR 100	INR 100	INR 100
	Offline	INR 150	INR 150	INR 150	INR 150
Lifetime	Online	INR 100	INR 100	INR 100	INR 100
	Offline	INR 150	INR 150	INR 150	INR 150

*Fifth International Conference on Emerging Trends in Mathematical Sciences & Computing (IEMSC-24) from 2nd-4th February 2024*



*Workshop on the evolving Landscape of Pharmaceutical Marketing as we enter the Era of Biologics and Vaccines on 24<sup>th</sup> July 2024*





*Workshop at IEM Kolkata hosting Prof. (Dr.) Saikat Chakrabarti and Dr. Arkajit Bhattacharya as guest speakers on 8<sup>th</sup> and 9<sup>th</sup> February 2024*



*Case & Research Wing of the Department of Management organized a research workshop on "Doing Qualitative Research" on November 16, 2023.*



*Workshop on Lending Operations (NBFC and Bank) on October 17, 2023*





*Entrepreneurship for BBA students of college on 9<sup>th</sup> October 2024*



*Workshop named SYTRON 2023 from 23<sup>rd</sup> September to 30<sup>th</sup> September 2023*



*IEEE Women in Engineering-WIE, Kolkata Section organized IEEE WIE Outreach Workshop on 31st August 2023 at IEM Public School Campus*



*Dept. of BBA & HRDC IEM organized an FDP on Python Essentials from 18<sup>th</sup> to 24<sup>th</sup> April 2024*



*5 Days Online International Faculty Development Program on “Quantum Artificial Intelligence” organized by Department of CSE-AIML and CSBS, IEM Kolkata from 24<sup>th</sup> June – 28<sup>th</sup> June , 2024*



*Faculty Development Program (FDP) on SMART AI & IoT from 27th to 31st May 2024*



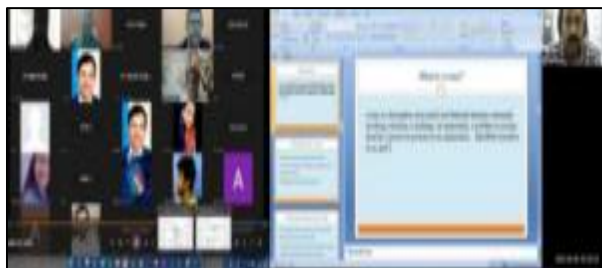
*IEM MBA department organized a MDP program on “Earning money from Stock Market” for the second quarter(April-June) of 2024*



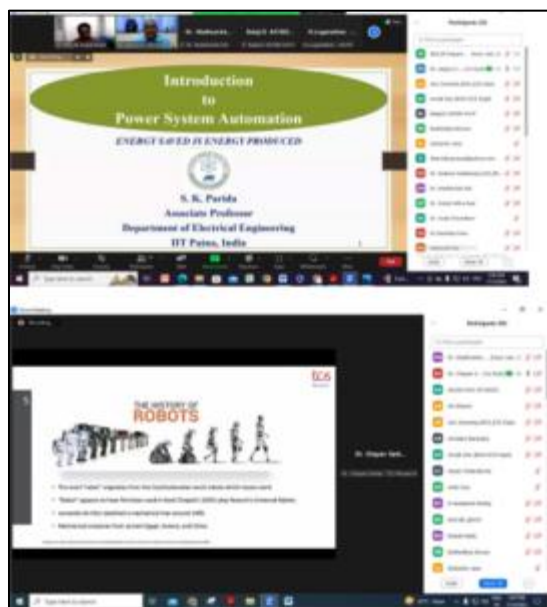
*5 Days on FDP on “Advancing academia through AI exploring Opportunities, Challenges and Ethical Implications*



*Department of IT, CSE(IOTCSBT), CSE(IOT) in association with IEM-UEM IQAC is organized a 5 days Faculty Development Program on Connectivity Conclave: Unveiling the Internet of Things and WSN(Hybrid Mode) from March 18 to March 22, 2024.*



*HRDC of IEM organized a FDP on Balancing Act: Navigating Stress in Academia from 8<sup>th</sup> January 2024 to 11<sup>th</sup> January 2024*



*FDP on Recent Advancement on Control & Instrumentation from 10<sup>th</sup> July to 14<sup>th</sup> July 2023 organized by Department of Electrical Engineering, IEM Kolkata*

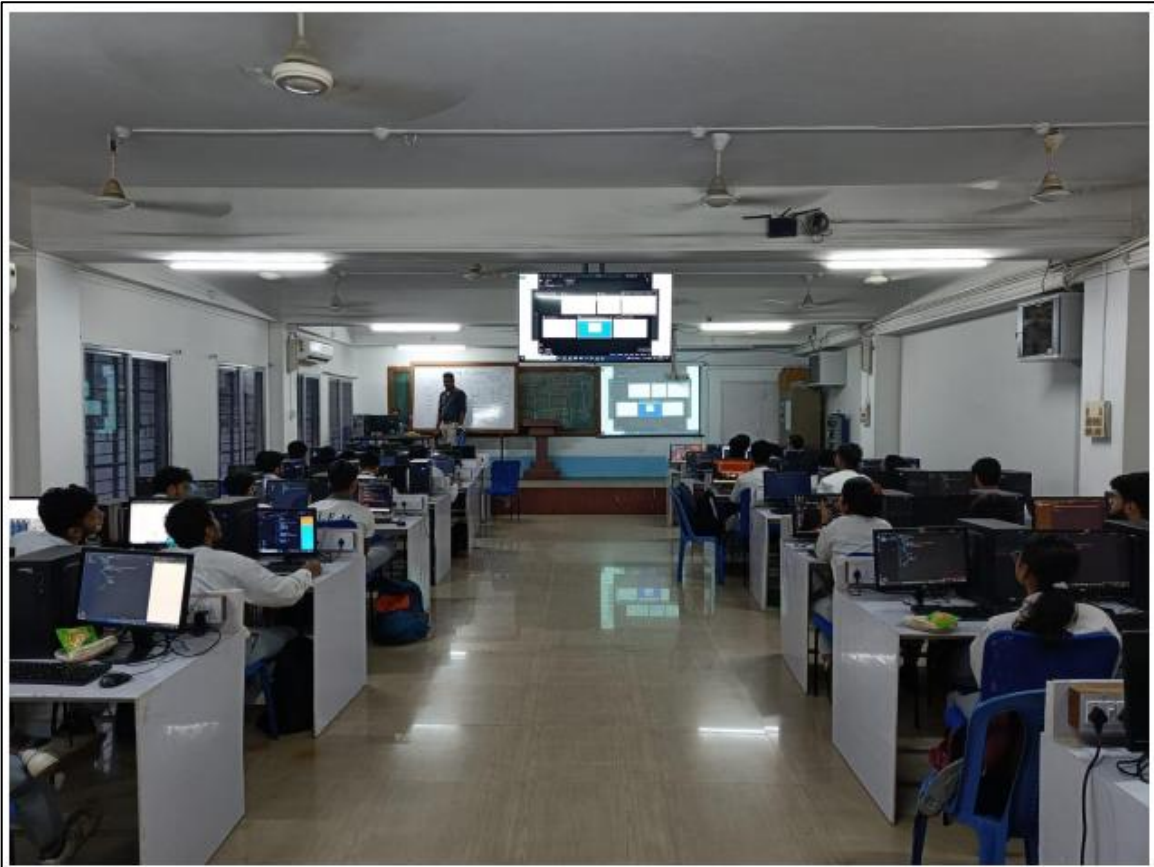


*One Week FDP on Recent Trends in High Frequency Communication and Next Generation Smart Systems 29<sup>th</sup> January 2024*

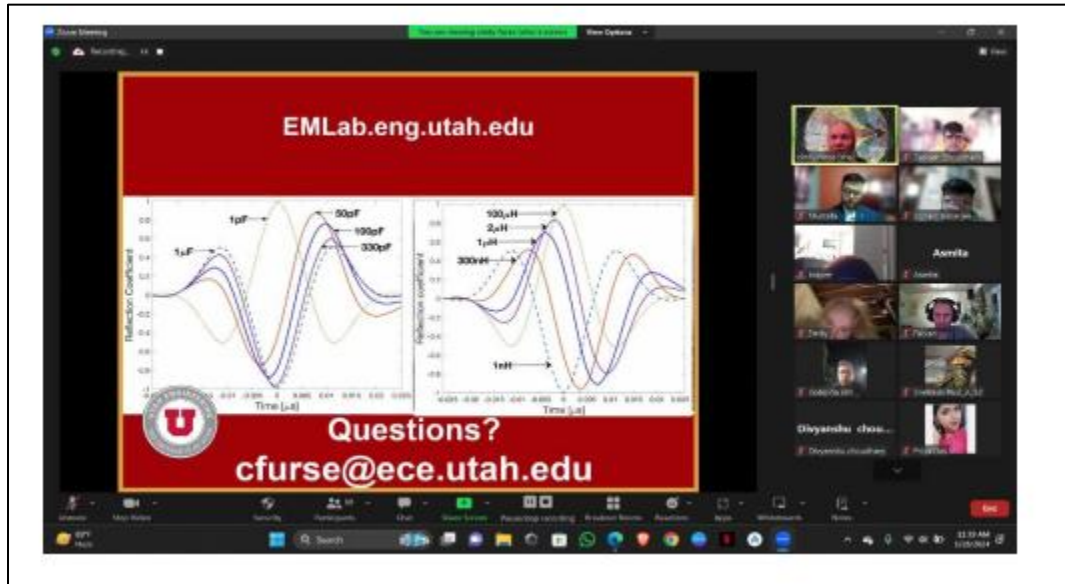




*Webinar on "5G Toolkit : An important tool for Research and Innovations in 5G and Beyond Technologies " by Gigayasa Wireless, IIT Madras 7<sup>th</sup> Feb 2024*



*"Discovering Yourself Through Web Development: A Beginner's Workshop"*



*A workshop on how to spot potential business opportunities in everyday life and emerging markets on 28<sup>th</sup> January 2024*



*IEEE IEM MTTs Student Branch Chapter organized an event Syntron on September 26<sup>th</sup> – 29<sup>th</sup> 2023*



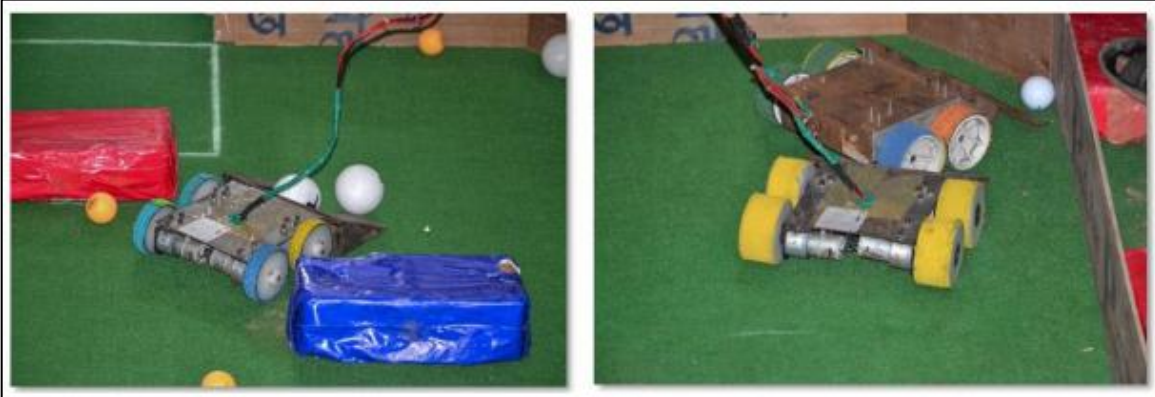




*IEEE IEM MTT-S Student Branch Chapter organized an event on 17<sup>th</sup> February 2024*



*ROBORASH organized by IEEE MTT-S, CASS, EDS, APS and WIE Student Branch Chapter  
from 23<sup>rd</sup> to 24<sup>th</sup> September 2023*



*VISCA 'EL' SYTRON (ROBOSOCER) Organized by IEEE MTT-S, CASS, EDS, APS and WIE Student Branch Chapter from 23<sup>rd</sup> to 24<sup>th</sup> September 2023*



*SYTRONIX (COMPETITIVE CODING COMPETITION) organized by IEEE MTT-S, CASS, EDS, APS and WIE Student Branch Chapter on 30<sup>th</sup> September 2023*



*IEEE IEM EDS Student Chapter Branch hosted an engaging workshop on Electric Vehicle (EV) Technology on 7th of February 2024*





*IEEE IEM CAS-S Student Branch Chapter hosted an insightful lecture series on VLSI devices and systems On August 11, 2023*

## **2-DAY WORKSHOP ON MATLAB BASED MODERN CONTROL & SIGNAL PROCESSING APPLICATIONS**

**26-27 AUGUST, 2023  
MODE - ONLINE**

**Faculty Coordinators:**  
Prof. Ankit Ray Ghatak  
Prof. Nirban Chakraborty  
Prof. Arijita Das

**REGISTER HERE:**



**PROF.(DR.) JAYATI DEY**

Associate Professor, Department of  
Electrical Engineering, NIT Durgapur

*2 Day Workshop on MATLAB based Modern Control and Signal Processing Applications on 26<sup>th</sup>-  
27<sup>th</sup> of August, 2023*



*India's growth outreach accelerated linkage (goal) program on 23<sup>rd</sup> December 2023*



*Celebration of Einstein's Birthday*

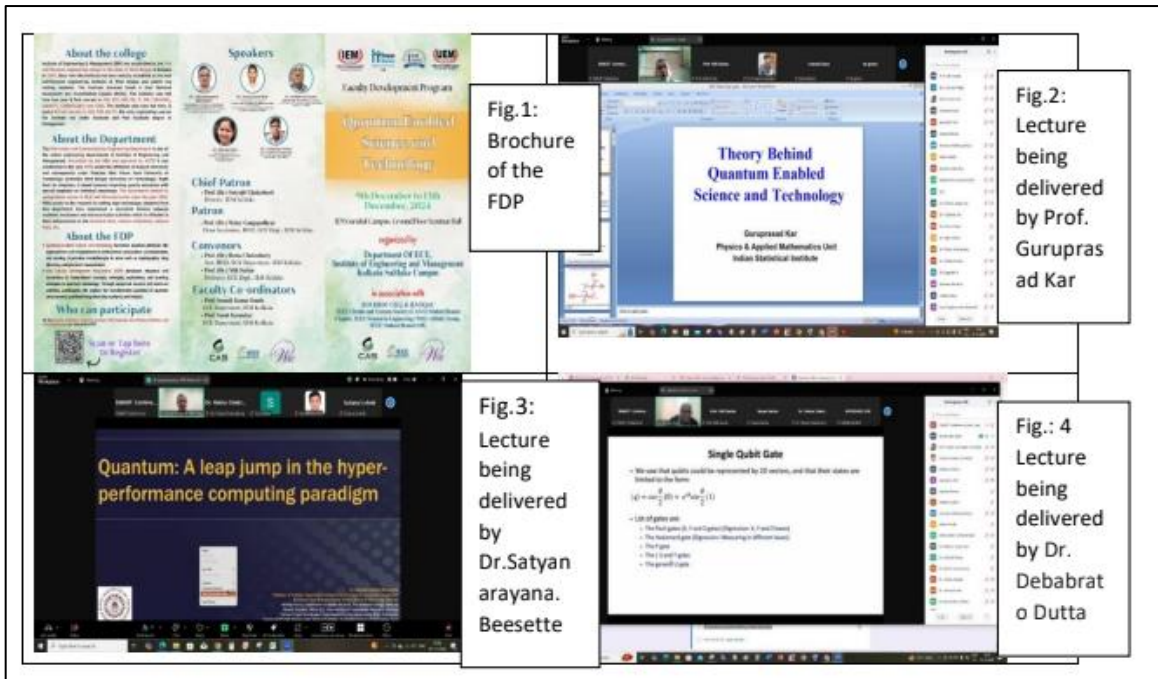


*Talk on Light from semiconductor on 14th March 2024*





FDP Program on state-of-the-art techniques of Electrical and Electronic System integrating AI/ML from 28<sup>th</sup> November to 2<sup>nd</sup> Dec, 2023



FDP on “Quantum Enabled Science and Technology” (QuEST) on December 9-13, 2024



*IEM-UEM Aeromodelling Workshop and Drone Exhibition on 13.10.2023*



*IEEE Instrumentation & Measurement Society, IEEE Joint CSS-IMS Kolkata Chapter & Department of Electrical Engineering, Institute of Engineering & Management, Salt Lake in association with IET (UK) Kolkata Local Network organized a talk by Professor Mihaela Albu, Professor of Electrical Engineering at the esteemed Politehnica, University of Bucharest, Romania*



*Short description of the event (100 to 150 words) IEEE IEM CASS Student Branch Chapter in association with IEEE CAS Kolkata Section , IEI and IEEE WIE affinity group organized a research talk on 5th February, 2024*





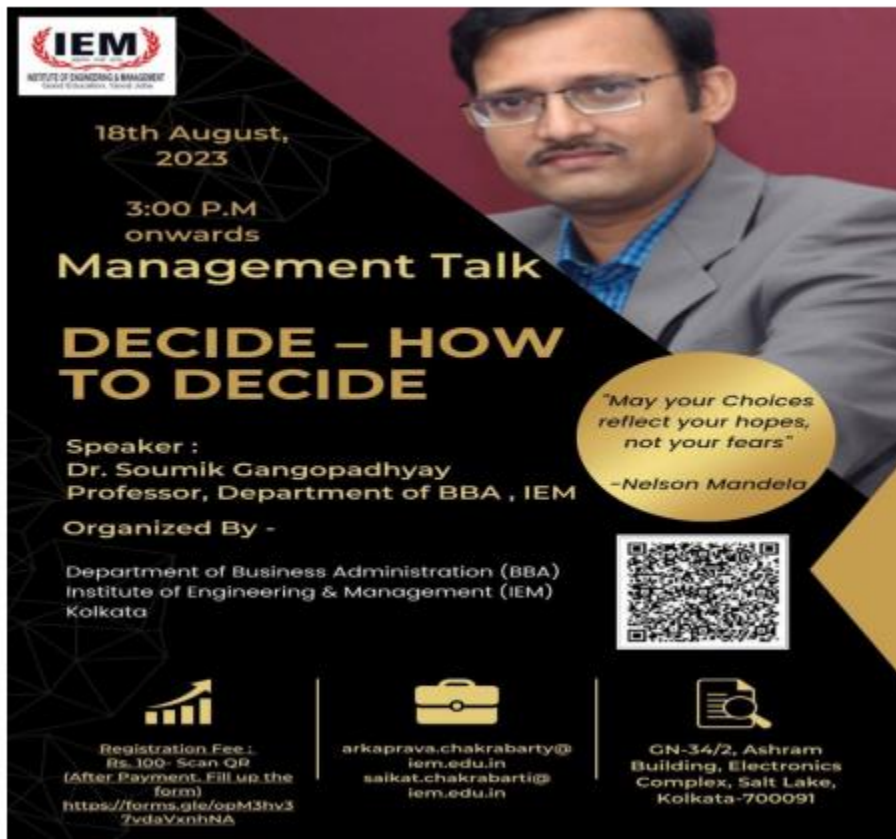
*Workshop on IPR, Biosafety and Ethics on 13<sup>th</sup> January 2024*



*Five-Day Faculty Development Program On Academic Social Responsibility and Best Pedagogical Practices Organized by Department of Basic Science and Humanities, Institute of Engineering and Management (IEM) in association with HRDC, IEM-UEM Group on 6th November 2023 – 10th November 2023*



*5 - Day Faculty Development Program Report on Unleashing Imagination: Delving into Generative AI and LLMs in Academia & Beyond organized by Department of Computer Application & Science in association with HRDC, IEM-UEM Group from 20<sup>th</sup> May 2024 – 24<sup>th</sup> May 2024*



**IEM**  
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Good Education, Good Jobs

18th August,  
2023

3:00 P.M  
onwards


**Management Talk**

**DECIDE – HOW  
TO DECIDE**

**Speaker :**  
Dr. Soumik Gangopadhyay  
Professor, Department of BBA , IEM

**Organized By -**  
Department of Business Administration (BBA)  
Institute of Engineering & Management (IEM)  
Kolkata

*"May your Choices  
reflect your hopes,  
not your fears"*  
-Nelson Mandela

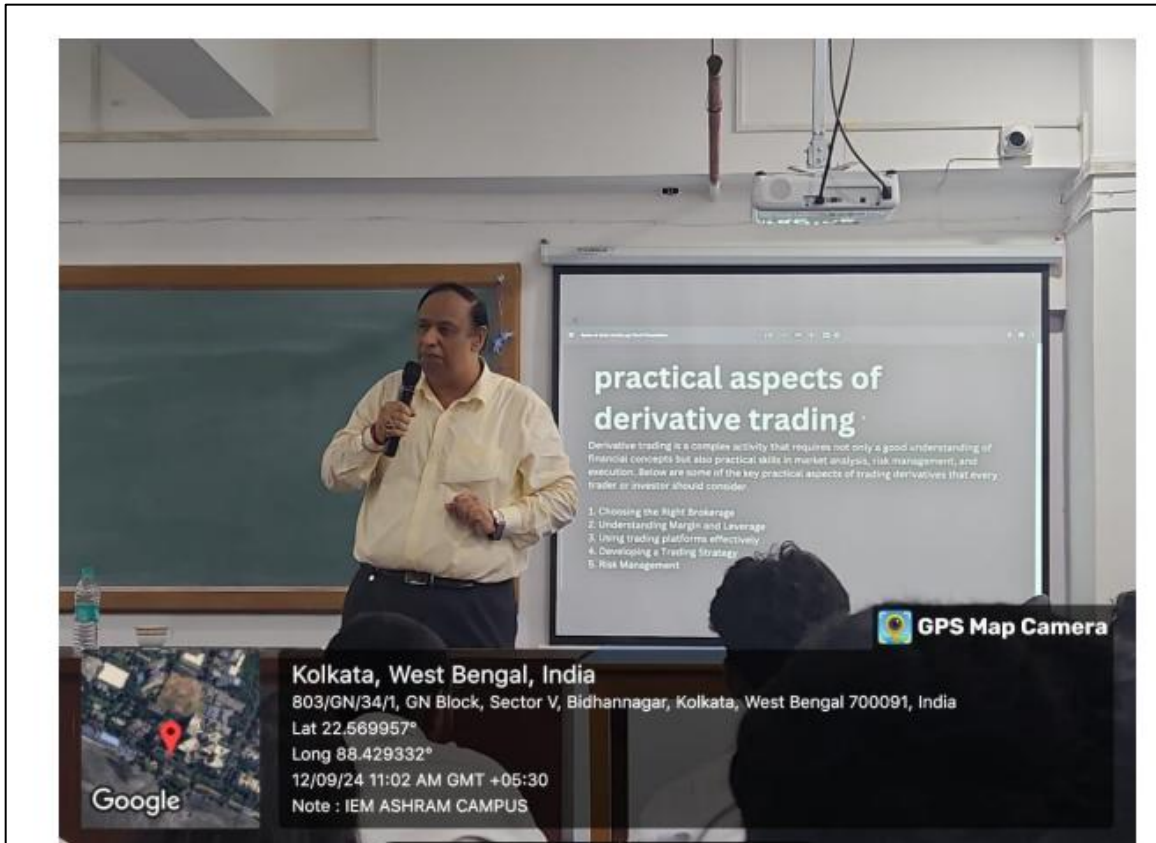


**Registration Fee:**  
Rs. 100- Scan QR  
(After Payment, Fill up the  
form)  
<https://forms.gle/epM3hy37vdaVxnhNA>

**arkaprava.chakrabarty@iem.edu.in**  
**sankat.chakrabarti@iem.edu.in**

**CN-34/2, Ashram  
Building, Electronics  
Complex, Salt Lake,  
Kolkata-700091**

MDP ON 'DECIDE - HOW TO DECIDE' on 18.08.2023



*Corporate Training Session on 12<sup>th</sup> September 2024 organised By: ArthSamriddhi (Finance Club, IEM Ashram)*



*Discussions and Insights on Union Budget 2024 by ECONSPIRE – The Economics Club on 1<sup>st</sup> August 2024*





*Two days Balancing Academics and Wellness Workshop on 8<sup>th</sup> and 9<sup>th</sup> February, 2024*



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KOLKATA**



**MarkEdge**  
The Marketing Club of BBA Department  
Organises



**UEM**  
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**Industry Lecture Session on Strategic Differences in:**

- Start-up
- A Profit Earning Organization
- A sick Industry to revive
- In a small merger/acquisition.



**24 SEPTEMBER,  
2024**



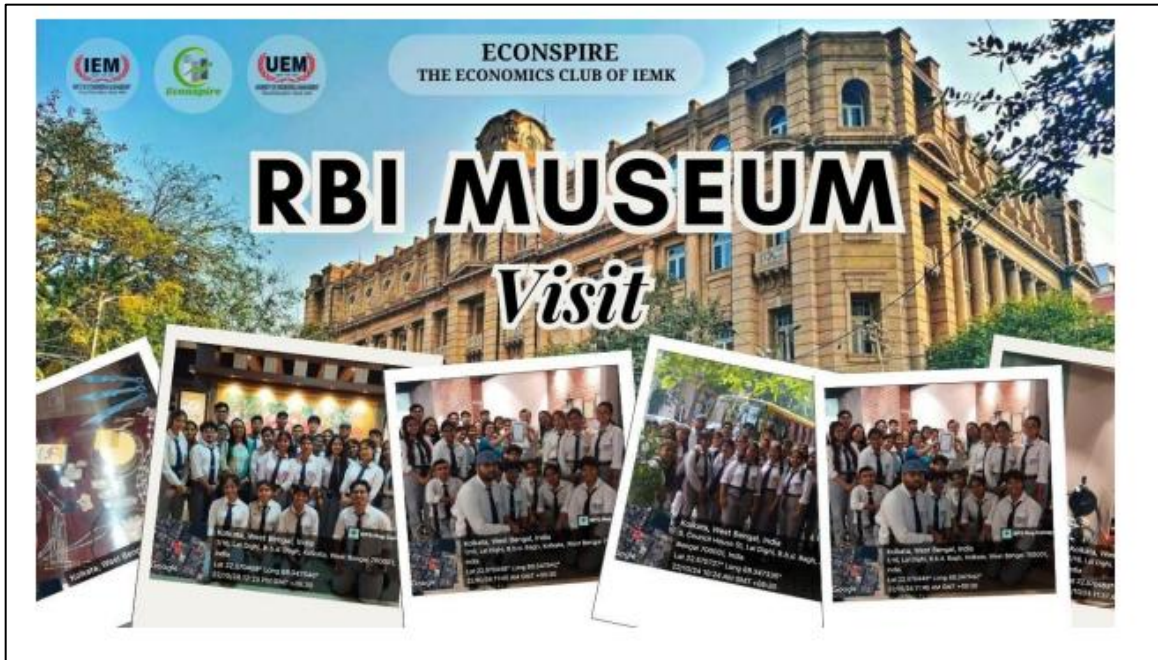
**9:30 AM-11:10 AM**

***SPEAKER:***  
**MR. TAMAL MAITY**  
MARKETING HEAD,  
CAPLET INDIA PVT. LTD

**Faculty Co-ordinadors:**

**Prof.(Dr.) Dibyendu Chattaraj**  
**Prof.(Dr.) Soumik Gangopadhyay**  
**Prof.(Dr.) Shweta Kishore**  
**Prof. Sananda Halder**  
**Prof. Joysri Datta**

*Industry Lecture Session on Strategic Difference in: Start-up, a profit earning organization, a sick industry to revive, in a small merger or acquisition on 24th September, 2024*



*RBI MUSEUM VISIT organized by Econspire, the Economics Club of IEM Ashram Campus, Kolkata, on Tuesday, 22nd October*