

SUSTAINABILITY DEVELOPMENT REPORT 2022-23

SDG4: Quality Education

Executive Summary

The Institute of Engineering and Management (IEM), Kolkata, is firmly committed to advancing Sustainable Development Goal 4: Quality Education by ensuring inclusive and equitable quality education and promoting lifelong learning opportunities for all. In the academic year 2022-23, IEM implemented comprehensive educational programs, enhanced teaching-learning infrastructure, conducted extensive faculty development initiatives, and maintained rigorous quality assurance mechanisms. The institution's multi-dimensional approach integrates academic excellence, research innovation, skill development, and inclusive education practices to create a transformative learning environment that prepares students for global challenges while upholding the highest standards of educational quality.

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Vision, Mission, and Strategic Objectives

Vision Statement

IEM seeks to provide world-class technical education accessible to all students regardless of socio-economic background, fostering an inclusive learning environment that nurtures innovation, critical thinking, and professional excellence while contributing to national and global educational development.

Mission Statement

The mission for SDG 4 centers on delivering high-quality education through industry-aligned curriculum, outcome-based teaching methodologies, continuous faculty development, state-of-the-art infrastructure, and comprehensive support systems that ensure every student achieves academic success and professional readiness.

Strategic Objectives for 2022-23

1. Maintain accreditation standards with NAAC Grade A (CGPA 3.25) and achieve NBA accreditation for key departments (ECE, MBA).
2. Provide quality education to 100% of enrolled students through 21 diverse programs across Engineering, Management, Computer Applications, and Science disciplines.
3. Conduct regular curriculum revisions incorporating industry requirements, international standards, and emerging technologies.
4. Organize extensive faculty development programs, workshops, and seminars to enhance teaching quality and research capabilities.
5. Ensure accessible, inclusive education with ICT-enabled infrastructure, digital learning platforms, and support systems for diverse learners.

Comprehensive Educational Programs and Access

Program Diversity and Student Enrollment

IEM maintains a robust portfolio of **21 programs** spanning multiple disciplines during 2022-23, ensuring diverse educational opportunities aligned with SDG 4's emphasis on inclusive and equitable quality education.

Program Portfolio:

- Engineering programs (B.Tech, M.Tech across multiple specializations)
- Management programs (MBA)
- Computer Applications (MCA, BCA)
- Science and Humanities programs

Student Enrollment Metrics:

- **Total students enrolled:** 5,515 students
- **New admissions (2022-23):** 1,623 students
- **Final year students:** 1,503 students
- **Students appearing for examinations:** 5,512 students
- **Pass percentage:** High graduation success rate with 1,507 final year students passing

Multidisciplinary Education:

IEM provides holistic multidisciplinary curriculum with subjects including Physics, Chemistry, Mathematics, English, Biology, Environmental Science, Principles of Management, Economics, Organizational Behavior, and Constitution of India. Higher semesters include exposure to allied fields—for example, Mechanical Engineering students are taught Data Science and AI, promoting interdisciplinary competencies aligned with 21st-century skills requirements.

Curriculum Design and Academic Flexibility

Curriculum Development Process:

The institute follows a methodical process for developing, revising, and executing program curricula regularly, considering:

- Syllabi of reputed national and international universities (IITs, NITs, JU, MIT, Stanford University)
- Model AICTE curriculum guidelines
- Program Specific Outcomes (PSOs) for each program
- Suggestions from industry experts and alumni
- Competitive examination syllabi (GATE, IES, etc.)

Curriculum Innovation (2022-23):

- **19 programs** underwent syllabus revision during the year
- **181 new courses** introduced across all programs
- **1,321 total courses** offered across all programs
- **619 courses** focusing on employability and entrepreneurship skill development
- **21 programs** offered through Choice Based Credit System (CBCS)/Elective Course System

Outcome-Based Education (OBE):

All programs implement OBE with pre-defined Course Outcomes (CO), 12 Program Outcomes (PO), Program Specific Outcomes (PSO), and Graduate Attributes (GA) leading to achievement of Program Educational Objectives (PEO) following Washington Accord, AICTE, and NBA standards.

Inclusive and Equitable Education

Support for Diverse Learners:

The institution assesses students' learning levels and organizes special programs for both slow learners (scoring less than 55 marks) and advanced learners:

- 9 bridge courses conducted for upcoming curriculum requirements
- Special GATE coaching classes for advanced learners pursuing higher studies
- Video lectures from eminent professors through Coursera (5,000+ courses), LinkedIn (18,000+ courses), NPTEL (2,000+ courses), IEM Learning (200+ courses)
- Skill Development for Professionals (SDP) and Essential Studies for Professionals (ESP) classes for all students
- Mini projects assigned by faculty members related to curriculum subjects

Financial Support and Scholarships:

- **619 students** benefitted from scholarships and freeships from institution and non-government agencies
- Alumni Association contributed Rs. 30.5 Lakh for free scholarships to deserving students
- Financial assistance system for critical medical requirements of students

Student-Teacher Ratio:

- **Student-Teacher ratio:** 5,515 students : 349 full-time teachers (15.8:1)
- **Student-Mentor ratio:** 5,515 students : 431 mentors (12.8:1)
- Dedicated mentorship system ensuring personalized academic guidance

Teaching-Learning Excellence and Innovation

Faculty Profile (2022-23):

- **Total full-time teachers:** 349 (against 349 sanctioned posts - 100% filled)
- **Teachers with PhD/D.Sc./D.Litt:** 128 (36.7% of total faculty)
- **Total teaching experience:** 2,446 years cumulative at institution
- **Teachers recognized as research guides:** 128 faculty members

- **Teachers with research projects:** 78 faculty members

Faculty Development Initiatives:

- **302 teachers** underwent online/face-to-face Faculty Development Programmes including Professional Development Programmes, Orientation/Induction Programmes, Refresher Courses, and Short-Term Courses
- **217 teachers** provided financial support to attend conferences, workshops, and membership fees of professional bodies
- **53 professional development and administrative training programs** organized by institution for teaching and non-teaching staff
- **76 teachers** awarded national/international fellowships for advanced studies/research
- Performance recognition through monetary incentives and reimbursement of conference registration fees

Faculty Research Productivity:

- **1009 research papers** published Scopus Journals
- **233 books and chapters** in edited volumes published
- **202 citations** in Scopus during the year
- **h-index:** 144.36 (Scopus)
- Seed money grants: Rs. 267.30 lakhs provided to teachers for research

ICT-Enabled Teaching and Learning

Digital Infrastructure:

- **2,426 computer systems** for academic purposes (Student-Computer ratio: 1:1)
- **84 ICT-enabled classrooms** with LCD projectors (158 total projectors)
- **99 classrooms and seminar halls** with ICT facilities

- **15 seminar rooms** for industry connect and workshops
- **2 Smart Boards** installed for interactive learning
- **Internet bandwidth:** 2.4 Gbps high-speed connectivity
- **Wi-Fi routers:** 202 deployed across campus and hostels

Digital Learning Platforms:

- IEM Learning platform with 200+ video lectures by IEM faculty
- Access to NPTEL, Coursera, LinkedIn Learning, EdX
- Digital library resources: J-Gate (29,306 journals), EBSCO (1,064 titles), Delnet, NDLI, IEEE Digital Library, Springer (222 journals), Scopus, Web of Science
- Library automation: LSEase and KOHA software
- Online assessment through IEMCRP platform
- Google Classroom for notes and study materials

Virtual and Physical Labs:

- Facilities for virtual/physical labs using software: LTSpice, Vesta, Logisim, Weka, R, Anaconda, MATLAB
- Innovation labs: Augmented and Virtual Reality Lab, Advanced Material Research Lab, Antenna Design Lab, IoT Lab, Information Security and Application Development Lab
- IEDC laboratories with specializations in AI/ML, Drone Technology, AR-VR, Computer Vision, Data Science

Student-Centric Pedagogies

Experiential and Participative Learning:

- Industry visits to VECC, NTH, ERTL to bridge academia-industry gap
- **4,411 students** undertaking field work/projects/internships/student projects

- Industry-related final year projects from 2nd year under mentorship of faculty and external industry members
- 40+ model exhibitions and competitions annually
- Techno-management fests: INNOVACION, SYTRON, SRIJAN, SMART Makers Fair

Problem-Solving Methodologies:

- Special classes: SDP, ESP, General Studies, GATE classes, competitive coding
- Numerous coding competitions, Olympiads, and hackathons by each department
- Successful participation in Smart India Hackathon, IISF, and national-level competitions

Examination and Evaluation System

Continuous Assessment:

- IT-integrated Examination Management System (EMS) through IEMCRP platform
- Continuous Internal Assessment (CIA) for holistic student evaluation
- Online quiz assessments after every theory class
- Mid-term and end-semester examinations with standardized processes

Examination Efficiency:

- **66 days** from last semester-end examination to result declaration
- **251 student complaints/grievances** against evaluation (efficiently addressed)
- **100% exam results** published systematically
- Examination Grievance Redressal Committee for prompt complaint resolution

Research, Innovation, and Knowledge Creation

Research Facilities:

- Well-defined research policy uploaded on institutional website
- Specialized research labs: Augmented and Virtual Reality Lab, Advanced Material Research Lab, Antenna Design Lab, IoT Lab, Information Security and Application Development Lab, Astronomical Research Lab
- **8% of institutional budget** allocated to research and innovation
- **Rs. 267.30 lakhs** seed money provided to teachers for research

Research Grants and Projects:

- **Rs. 38 crore** grant received from Government and Non-Governmental agencies
- **78 teachers** with active research projects
- **15 departments** having research projects funded by Government and Non-Government agencies
- Special research grants: Dr. G. S. Taki (UGC DAE CSR, Rs. 45,000), Dr. Darothi Sarkar (Institute of Engineers India, Rs. 43,200)

Publications and Scholarly Work:

- **1009 research papers** in Scopus Journals
- **233 books and chapters** in edited volumes published
- **20215 citations** in Scopus
- **h-index: 144.36** (Scopus)
- Students instructed to publish final-year projects as research papers

PhD Program:

- **128 teachers** recognized as research guides
- **79 PhD students** registered during the year
- Research Advisory Committee and Ethics Committee operational
- Plagiarism check through authenticated software

- Code of Ethics for Research implemented

Conferences and Knowledge Dissemination:

- **45+ International Conferences** organized annually (IRTM, ICCAES, etc.)
- Registration fees reimbursed for accepted papers
- **60 workshops/seminars** conducted on Research Methodology, IPR, Entrepreneurship, and Skill Development

Innovation Ecosystem:

- **Innovation and Entrepreneurship Development Cell (IEM-IEDC)** previously funded by DST, Government of India
- Specialized innovation labs for cutting-edge technology research
- **172 startups** supported annually through IEM Entrepreneurship Cell (E-Cell)
- Interdisciplinary projects: wearable Anti-Tremor device for Parkinson's patients, eco-friendly terracotta-based air cooler, women safety devices

Industry Collaboration:

- **18 functional MoUs** with institutions of national/international importance, industries, and corporate houses
- **3,214 collaborative activities** for research, faculty exchange, student exchange, internship, on-the-job training, and project work
- Partnerships with TCS Innovation Lab, CII, PwC
- Industry experts as final-year project guides

Consultancy Services:

- **Rs. 2680.603 lakhs** revenue generated from consultancy and corporate training
- **Rs. 201.748 lakhs** spent on developing consultancy facilities and training

Skill Development and Employability

Comprehensive Skill Development:

- **1,590 value-added courses** offered during the year
- **9,383 students** enrolled in value-added courses
- Courses on Soft Skills, Language and Communication Skills, Life Skills, Yoga, Physical Fitness, Health and Hygiene, Awareness of Trends in Technology

Essential and Professional Skills:

- Essential Skills for Professionals (ESP) and Skill Development for Professionals (SDP) courses mandatory for all students
- Skills covered: quantitative aptitude, verbal ability, critical reasoning, interpersonal skills, teamwork, experiential learning, analytical reasoning, data interpretation, emotional intelligence, leadership management
- Foreign languages: French and Chinese offered

Industry Certifications:

- Industry and Foreign Certification courses mandatory for all students
- MoUs with Coursera, LinkedIn, EDUSkills, and EdX providing free licenses for endless online courses
- NPTEL/SWAYAM credits accepted (20+ credits for B.Tech. Degree with Honors)

Career Guidance:

- **4,285 students** benefitted from guidance/coaching for competitive examinations and career counseling
- Special GATE coaching classes for higher studies aspirants
- Regular career counseling sessions and industry interaction programs

Placement Success:

- **1,194 outgoing students** got placement during the year (79.4% of final year students)

- **151 students** progressed to higher education
- **133 students** qualified in state/national/international level examinations (IIT-JAM, NET, SET, JRF, GATE, GMAT, CAT, GRE, TOEFL, Civil Services)

Employability Enhancement:

- Weekly Foreign Lectures and Industry lectures through IEM CONNECT
- Training programs with industry experts
- Involvement of external industry members as project guides
- Final year projects can be done entirely in industry under joint supervision

Infrastructure and Learning Resources

Teaching-Learning Facilities:

- **84 classrooms** (seating capacity: 60 students each)
- **52 specialized laboratories** well-equipped for curriculum and research
- **15 seminar halls** for industry connect and workshops
- **99 total classrooms and seminar halls** with ICT facilities
- All classrooms equipped with LCD projectors, Wi-Fi, and IPV6 LAN connectivity

Computing Infrastructure:

- **2,426 computer systems** for academic purposes
- **115+ printers** across campuses
- **202 Wi-Fi routers** deployed campus-wide
- **987 CCTV cameras** for security
- **52 TVs** installed at prominent campus locations

Support Facilities:

- Separate common rooms and sports rooms for boys and girls

- Gymnasium, yoga center, auditorium facilities
- Indoor sports: Badminton (3 courts), Table Tennis (9 tables), Carom (9 boards), Chess (30 boards)
- Outdoor sports: Cricket (120m), Football (80m), Volleyball (18m x 1), Basketball (30m x 3)
- Disabled-friendly infrastructure: ramps/lifts, disabled-friendly washrooms, signage, assistive technology

Library Infrastructure:

- Central library with departmental libraries
- Automated using LSEase and KOHA Integrated Library Management Systems
- **845,000+ books and e-books**
- **3,245 average users** per day (teachers and students)

Digital Library Resources:

- **E-journals:** J-Gate (29,306 full-text journals), EBSCO (1,064 full-text titles), Springer (222 journals), IEEE Digital Library (ASPP-197), Delnet, Web of Science, Scopus, ProQuest, NDLI
- **E-book databases** and remote access to e-resources
- **Annual expenditure:** Rs. 129.07 lakhs on books, e-books, and journal subscriptions

Online Learning Resources:

- Access to NPTEL (2,000+ courses), Coursera (5,000+ courses), LinkedIn Learning (18,000+ courses), EdX, SAP, Udemy
- IEM Learning platform (200+ courses by IEM faculty)
- Video lectures from IIT professors and reputed industries

Quality Assurance and Continuous Improvement

IQAC Mandate and Structure:

- Established: April 30, 2015
- **4 IQAC meetings** held during the year
- Coordinators: Prof. Dr. Arun Kumar Bar, Prof. Dr. Sanghamitra Poddar
- **Rs. 5 lakhs** funding received for IQAC activities

IQAC Significant Contributions (2022-23):

- Spearheaded NBA accreditation preparation for MBA, ECE, and ME departments (ECE and MBA accredited for 3 years)
- Continuous curriculum upgradation per industry requirements
- Creation of centers of excellence and innovative labs
- Financial support system for critical medical requirements
- Improvement in NIRF rankings

Quality Enhancement Mechanisms:

- Regular internal and external academic audits per NAAC/NBA quality framework
- Systematic stakeholder feedback collection and analysis from students, teachers, employers, and alumni
- Continuous syllabus upgradation based on feedback
- Question bank quality improvement per Bloom's Taxonomy mapped with Course Outcomes
- Annual reports and quality assurance documentation

Institutional Accreditation:

- **NAAC Cycle 1:** Grade A, CGPA 3.25 (2017)

- **Validity:** June 9, 2017 to December 31, 2024
- **Autonomous status:** January 20, 2019
- **AICTE approval:** All departments successfully received approval for all courses

Program Accreditation:

- **NBA accreditation** achieved for ECE and MBA departments (3-year validity)
- ME department NBA accreditation visit conducted
- Continuous preparation for accreditation maintenance and expansion

National Rankings:

- Active participation in NIRF (National Institutional Ranking Framework)
- Efforts to improve research publications and placement scenario for NIRF ranking enhancement
- AISHE data submission: December 30, 2022

Inclusivity, Equity, and Social Responsibility

Gender-Inclusive Environment:

- Co-educational institution with gender-neutral uniforms
- Women in leadership: Registrar, Principal, Deans, Heads of Departments, Placement Cell
- Internal Complaints Committee (ICC) operational 24x7 with emergency contact displayed campus-wide
- Gender sensitivity activities, field work, community outreach under ICC

Support for Diverse Learners:

- Programs for slow learners and advanced learners
- Bridge courses and remedial classes

- Special dietary considerations in campus food services
- Multilingual support (Hindi, Bengali) for doubt clarification

Disabled-Friendly Infrastructure:

- Ramps/lifts for easy access to classrooms and centers
- Disabled-friendly washrooms
- Signage including tactile paths, lights, display boards
- Assistive technology: screen-reading software, mechanized equipment
- Human assistance: readers, scribes, soft copies of materials

Cultural Celebrations:

- Religious festivals: Christmas, Eid, Mahavir Jayanti, Buddha Purnima, Durga Puja, Holi/Basant Utsav, Chaat Puja, Navratri/Dandiya Utsav
- National celebrations: Republic Day, Independence Day, Gandhi Jayanti, Swami Vivekananda's Birthday, Teachers' Day
- Cultural events: Rabindra Jayanti, Youth Day, Children's Day, Ethnic Day, International Mother Language Day
- Annual cultural festival with dedicated day for Indian contemporary and classical programs

Linguistic Diversity:

- Teaching in English with vernacular language support for doubts (Hindi, Bengali)
- Foreign language courses: French, Chinese
- Multi-lingual events: Palabra Por Palabra (extempore fest), Ink and Echo (language fest), Word Waves (poetry competition in regional languages)
- Morning assembly with motivational quotes in Hindi and Bengali

Regional Support:

- Special leave for Bihar and Jharkhand students during Chhat celebration
- Inclusive environment respecting all cultural, regional, and religious practices

Values Education:

- Mandatory courses: Values and Ethics, Constitution of India, Environmental Science, Geography, Economics, Political Science
- Compulsory morning assembly with national anthem
- Code of Conduct document well-circulated
- Regular addresses by Principal and HODs on values, rights, duties, and responsibilities of citizens

Social Engagement:

- **35 extension and outreach programs** through NSS/NCC/Red Cross/YRC
- **5,489 students** participating in extension activities
- Collaboration with NGOs: Kolkata Nivedita Shakti, VIBHA, Rotary Club, Lions Club, Inner Wheel Club
- Community visits: child care homes, orphanages, old age homes
- Donation camps and social welfare activities

Environmental Consciousness:

- Tree plantation drives
- E-Waste recycling: 1,752.60 Kg in 2022-23
- Water conservation: rainwater harvesting, bore wells, waste water recycling
- Energy conservation and green campus initiatives

Student Support and Progression

Mentorship and Guidance:

- **431 mentors** for 5,515 students (12.8:1 student-mentor ratio)
- Personalized academic and career guidance
- Regular mentor-mentee meetings documented

Grievance Redressal:

- Student Grievance Committee operational
- Anti-ragging committee with mandatory registration
- ICC for sexual harassment reporting (24x7 emergency contact)
- Prompt resolution of academic and personal grievances

Medical and Financial Support:

- Financial support system for critical medical requirements
- Accident policy and health insurance for students
- Alumni Association support for medical emergencies

Student Participation:

- **IEM Students' Gymkhana:** Official student body with representation in academic and administrative committees
- Student councils: Sports Committee, Cultural Committee, Magazine Committee
- **63 sports and cultural events** organized during the year
- **39 awards/medals** for outstanding performance in sports/cultural activities at inter-university/state/national/international events

Professional Development:

- Student chapters of professional societies operational
- Technical clubs and innovation clubs
- Participation in national competitions: Smart India Hackathon, IISF
- Tech fests: INNOVACION, SYTRON, SRIJAN

Holistic Development:

- Mandatory yoga and physical fitness classes for all students
- Self-defense classes (especially for female students)
- Health and wellness programs
- Leadership development through student body elections and committee participation

Alumni Association:

- Registered body under Societies Act
- **IEM Foundation (USA):** Non-profit organization headquartered in Washington
- **Rs. 30.5 Lakh** contribution for student scholarships and support

Alumni Contributions:

- Free scholarships to deserving students
- Study materials and stationery support
- Funding for innovative student projects
- Alumni talks and guidance sessions
- Mentorship for startups and entrepreneurship
- Book and resource donations to library
- Industry project supervision and mentorship

Data and Metrics

Performance Indicator	Annual Target	Achievement
Programs offered	21	21 (100%)
Total student enrollment	5,500	5,515 (100.3%)

Faculty positions filled	349	349 (100%)
Faculty with PhD	35%	128 (36.7%)
Curriculum revisions	18	19 (105.6%)
New courses introduced	175	181 (103.4%)
FDPs for faculty	50	53 (106%)
Faculty attending FDPs	300	302 (100.7%)
Research papers published	1009	1000 (100.9%)
Students in value-added courses	9,000	9,383 (104.3%)
Student placements	1,100	1,194 (108.5%)
ICT-enabled classrooms	99	99 (100%)
Library e-journal access	25,000	29,306+ (117%)
Extension program participation	5,000	5,489 (109.8%)

Challenges and Mitigation Strategies

Challenges Identified:

- Maintaining consistent quality across rapidly expanding programs and student body
- Keeping pace with rapidly evolving technology and industry requirements
- Ensuring adequate research infrastructure and funding for all faculty
- Balancing theoretical knowledge with practical skill development
- Addressing diverse learning needs in large classroom settings

Mitigation Strategies Implemented:

- Continuous faculty development through systematic FDPs and training

- Regular industry interaction and curriculum review committees
- Seed money grants and research support systems for faculty
- Experiential learning emphasis through projects, internships, and industry visits
- Personalized mentorship system and special programs for slow/advanced learners
- ICT integration for blended and flexible learning approaches

Strategic Roadmap (2023-24 and Beyond)

Academic Excellence:

- Expand NBA accreditation to additional departments
- Introduce emerging technology programs (AI, Data Science, Cyber Security, Blockchain)
- Strengthen international collaborations and student exchange programs
- Enhance outcome-based education assessment mechanisms

Research and Innovation:

- Target 150+ research publications in high-impact journals
- Increase research grant acquisition to Rs. 600+ lakhs
- Support 250+ startups through enhanced entrepreneurship ecosystem
- Establish additional specialized research centers

Infrastructure and Technology:

- Upgrade 100% classrooms to smart classroom standards
- Enhance digital library resources and e-learning platforms
- Expand innovation labs and makerspaces
- Implement advanced analytics for student performance tracking

Inclusivity and Access:

- Increase scholarship coverage to 750+ students
- Enhance support systems for students with disabilities
- Strengthen mentorship programs with 1:10 mentor-mentee ratio
- Expand outreach programs to 6,000+ community beneficiaries

Quality Assurance:

- Maintain NAAC accreditation and improve CGPA
- Achieve higher NIRF rankings (target: Top 100 Engineering)
- Implement comprehensive digital quality management system
- Strengthen industry-academia partnership for curriculum relevance

Conclusion

IEM Kolkata's comprehensive approach to SDG 4: Quality Education demonstrates unwavering institutional commitment to providing inclusive, equitable, and high-quality education that prepares students for professional success and lifelong learning. Through 21 diverse programs serving 5,515 students, 349 dedicated faculty members, state-of-the-art infrastructure with ICT-enabled learning, extensive research and innovation ecosystem, and comprehensive student support systems, IEM has established itself as a model for quality technical education in India.

The academic year 2022-23 witnessed significant achievements: NBA accreditation for key departments, over 100% achievement across most performance indicators, 1,194 student placements, 1009 research publications, 9,383 students in skill development courses, and extensive community engagement through 35 outreach programs. The institution's emphasis on outcome-based education, industry alignment, research culture, innovation and entrepreneurship, and holistic student development positions IEM at the forefront of SDG 4 implementation.

As IEM moves forward, the institution remains committed to continuous quality enhancement, expanding access to quality education, fostering research and innovation,

strengthening industry partnerships, and contributing to national educational development while maintaining the highest standards of academic excellence and social responsibility.

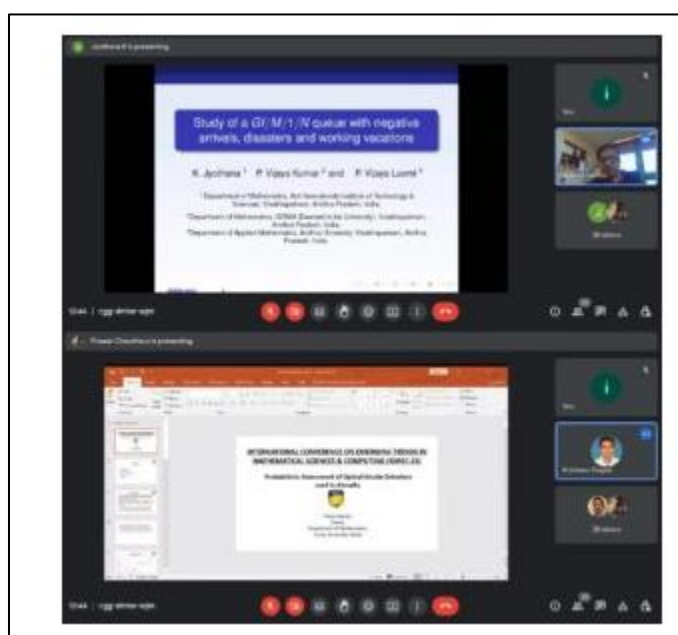
Photo gallery



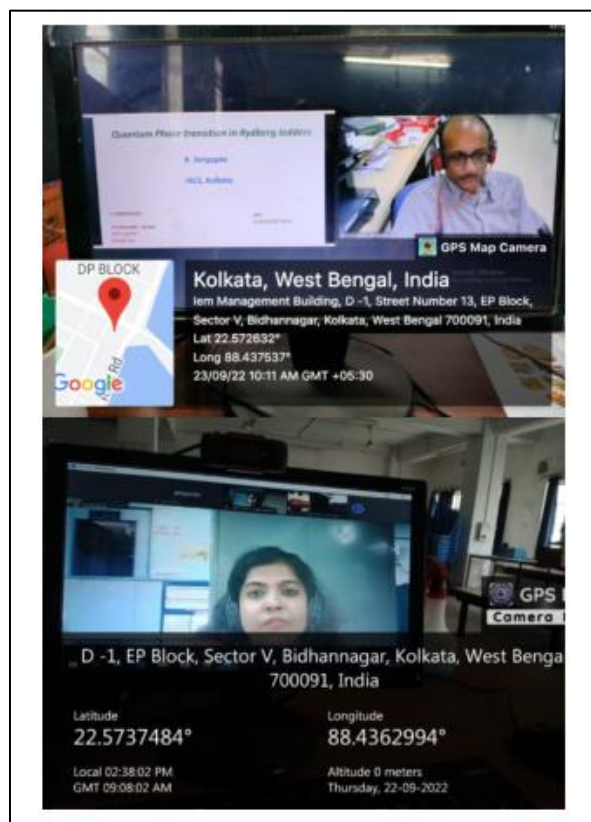
*Conference (IC- IEM 2023) was organized on 25th March 2023 by the BBA Departments
of IEM*



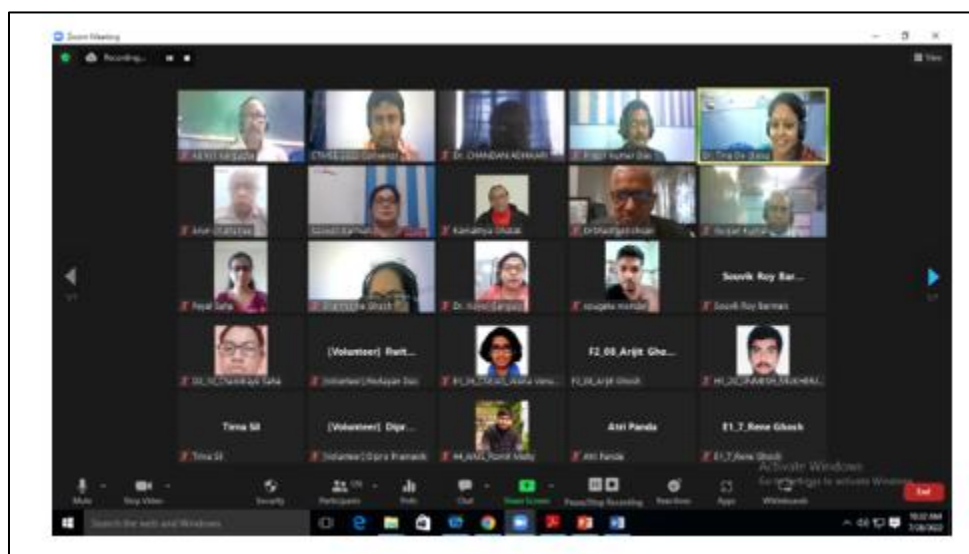
3rd International Conference on Innovations in Energy Management and Renewable Resources (IEMRE-2023) from 16th February to 18th February 2023



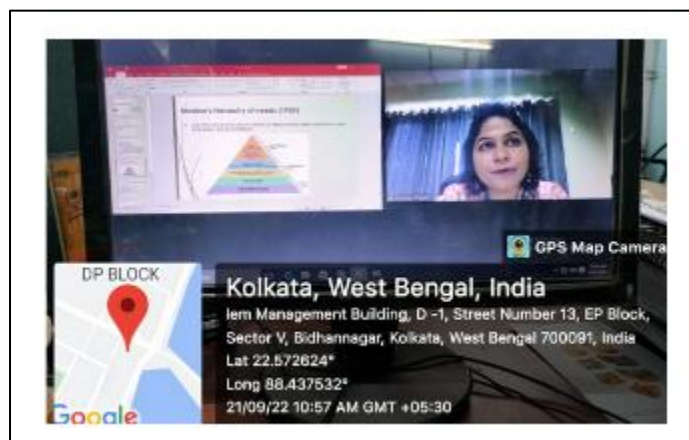
Department of Basic Science & Humanities, IEM, Kolkata is organizing the Fourth International Conference on Emerging Trends in Mathematical Sciences & Computing (IEMSC-23) from 3rd - 5th February 2023



International Conference on Advanced Physics – IEMPHYS 2022 is organized by the Department of Basic Science and Humanities



4th International Conference on Current Trends in Materials Science & Engineering (CTMSE 2022)

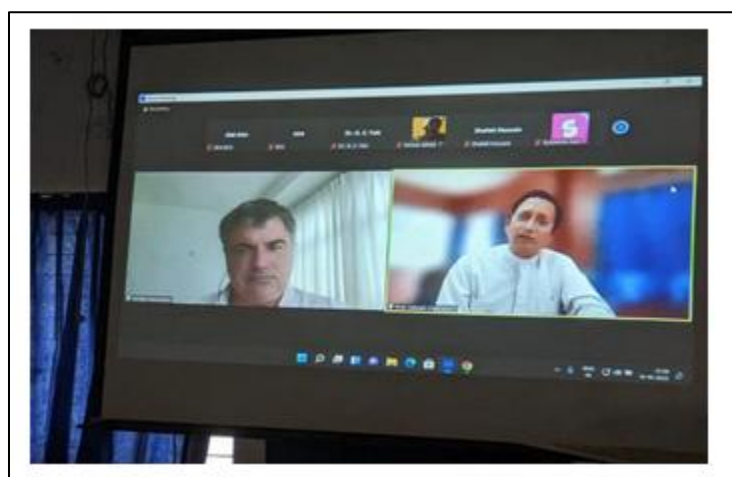


Prof. Dr. Priyanka Triparthi of IIT Patna talked about various aspects of language. During the session, she highlighted on multiple theories like Maslow's Hierarchy of Needs Theory, Trait Theory to make the students understand the fundamental needs of learning languages.

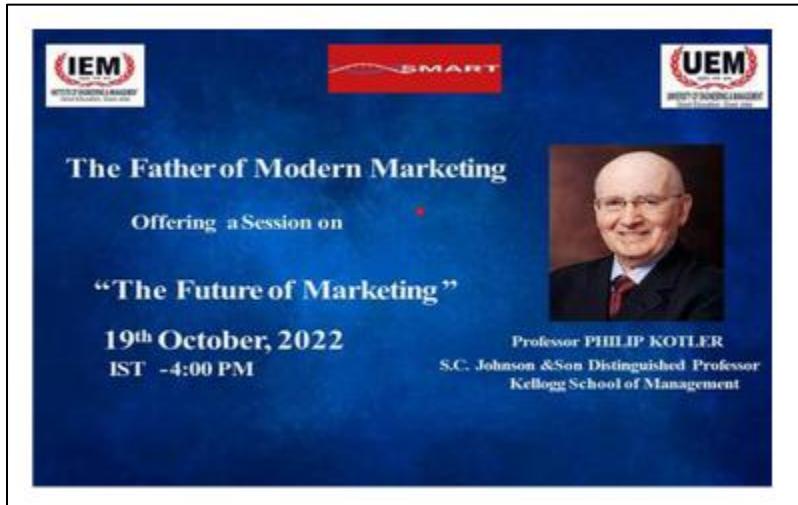




Various laboratory facilities



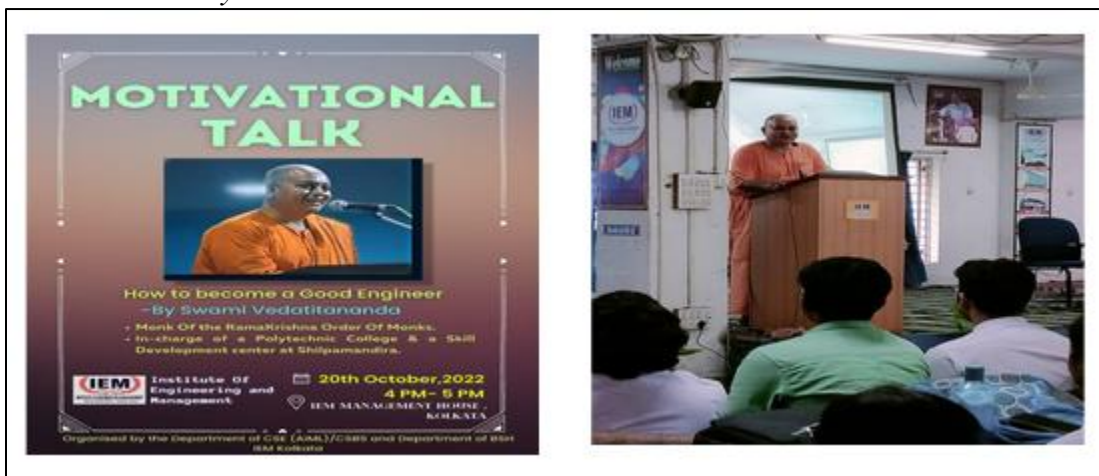
Lecture by Nobel Laureate, Prof. Konstantin Novoselov



Distinguished Foreign Lecture by Prof. Philip Kotler, known as the "Father of Modern Marketing,"



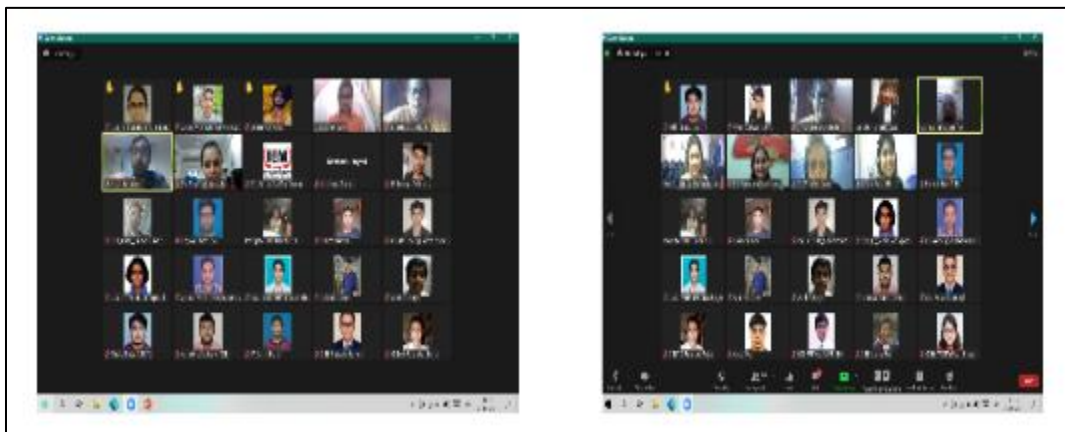
Lecture by Eminent Persons: Worldview Sessions and Interactive Talks



Swami Vedatitananda of Belur Shilpamandir came and delivered a motivational and inspirational talk for the newly inducted students at Management House auditorium



Dr. Binu James Mathew, College of Banking and Finance, Oman gave his engaging Talk on the “Maladies of Online Teaching Learning Process and Strategies to Shift to a Flipped Classroom Model”



An interactive and motivational session conducted by IEM Alumnus Mr. Alomoy Banerjee during the Student Induction Program



Workshop on cloud computing



The poster features a vibrant, isometric illustration of a city skyline with various buildings, a Wi-Fi symbol, a lightbulb, and a cloud, all set against a dark purple background with a starry pattern. The text 'ENGAGE 3.0' is prominently displayed in a large, white, stylized font within a blue and purple gradient banner. Above the main title, the letters 'EN' are visible in a large, blue, 3D font. The dates '1-2 NOVEMBER 2023' and the prize information 'WIN EXCITING CASH PRIZES UPTO ₹15,000' are written in white. The website 'engage.ncuindia.edu' is shown with a globe icon. The contact information for Manya Jain and Shivam Kalra is provided, along with a row of logos for various organizations including Google, DSC, IEM, and others.

THE NORTHCAP UNIVERSITY

ENGAGE 3.0

1-2 NOVEMBER 2023

WIN EXCITING CASH PRIZES UPTO ₹15,000

 engage.ncuindia.edu

CONTACT:
Manya Jain : 9818029660
Shivam Kalra : 9667742733



Google DSC IEM collaborated with The NorthCap University to bring ENGAGE 3.0

IEM
Institute of Engineering & Management
Department of Computer Science and Engineering



Khuli Kitab 2.0

Open Book Challenge

04, Nov 2022 - 06, Nov 2022

- 04** Round 1: Quiz ⌚ 07:30 PM - 08:30 PM
- 05** Round 2: Problem Solving ⌚ 09:00 AM - 09:00 PM
- 06** Round 3: Presentation ⌚ 10:00 AM - 05:00 PM

Rs.1500
Rs.1000
Rs.500


Teams: Solo/Maximum 3 members

Collaborators



IEM
Institute of Engineering & Management
Department of Computer Science and Engineering

takes pleasure in presenting this Plaque to



DR. AMIT KUMAR DAS
Chief Technical Officer
AchieveX Solutions Pvt Ltd

in recognition and appreciation for being the judge of the
Open Book Challenge - KHULI KITAB 2.0

Date: 06th November, 2022



Khuli kitab event