

IQAC - DOSSIER

September 2024



VISION

To institutionalize the quality assurance culture by evolving, enhancing and sustaining excellence in academics/co-curricular/research/extension activities and to catalyze it through regular evaluation.

MISSION

- Setting quality benchmarks, monitor and accelerate the process of attainment of outcomes
- Developing/enhancing the co-curricular initiatives/activities among students and facilitate its systematic implementation.
- Promoting research culture among the faculty and students.
- Assessing the annual progress through periodic internal and external audits.
- Building association with stake holders and stimulate social responsibility



IQAC - TEAM

The launch of the IQAC Dossier represents a significant advancement in our commitment to academic excellence. Following our recent NAAC accreditation, the IQAC is set to become an integral part of the college's operations, working closely with all departments to foster a cohesive quality culture. The Dossier will play a crucial role in this effort, serving as a monthly channel for disseminating key information about the college and its activities, thereby enhancing transparency and engagement.

IQAC - CHAIR

DR. S. MALARKKAN
Principal, MVIT

IQAC - COORDINATOR

DR. R. VALLI
Prof./ Dept. of ECE, MVIT

IQAC - DEPT. COORDINATORS

DR.K.SEDHURAMAN, AP/EEE

DR.R.SOFIA, AP/ECE

MS. I. VARALAKSHMI, AP/CSE

DR.A.MEIAPPANE, PROF/IT

MR. A.THAGARAJAN, AP/MECH

MS. S.K.SUGUNEDHAM, AP/AI&ML

MR. V.KUMARAGURU, AP/ICB

DR.R.BAGHYA NISHA, AP/FT

MS.J.V.PESHA, AP/RA

MS.M.SUMITHRA, ASP/PHY

MS.R.PRIYA, AP/EEE

DR.R.RAJALAKSHMI, ASP/CIVIL

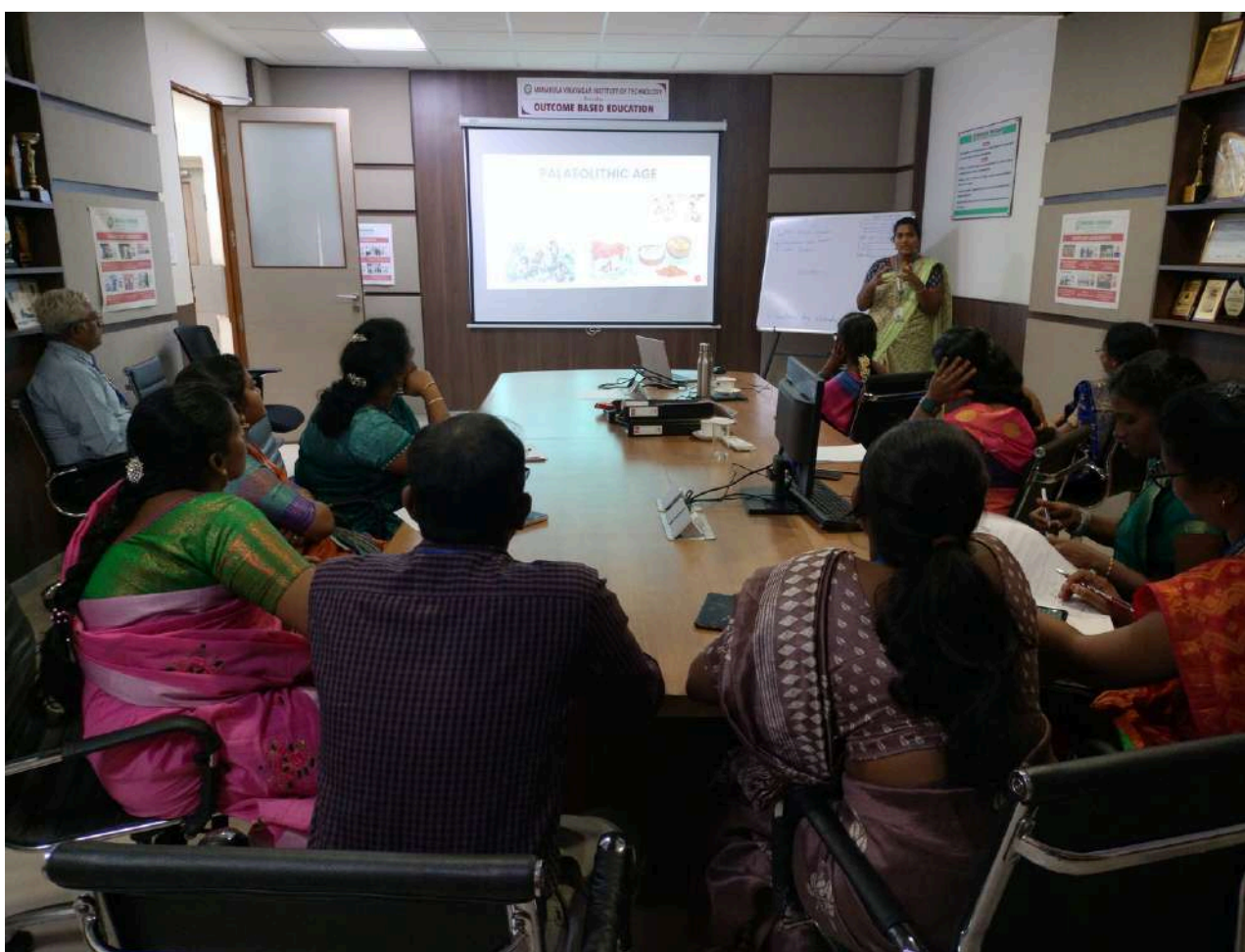
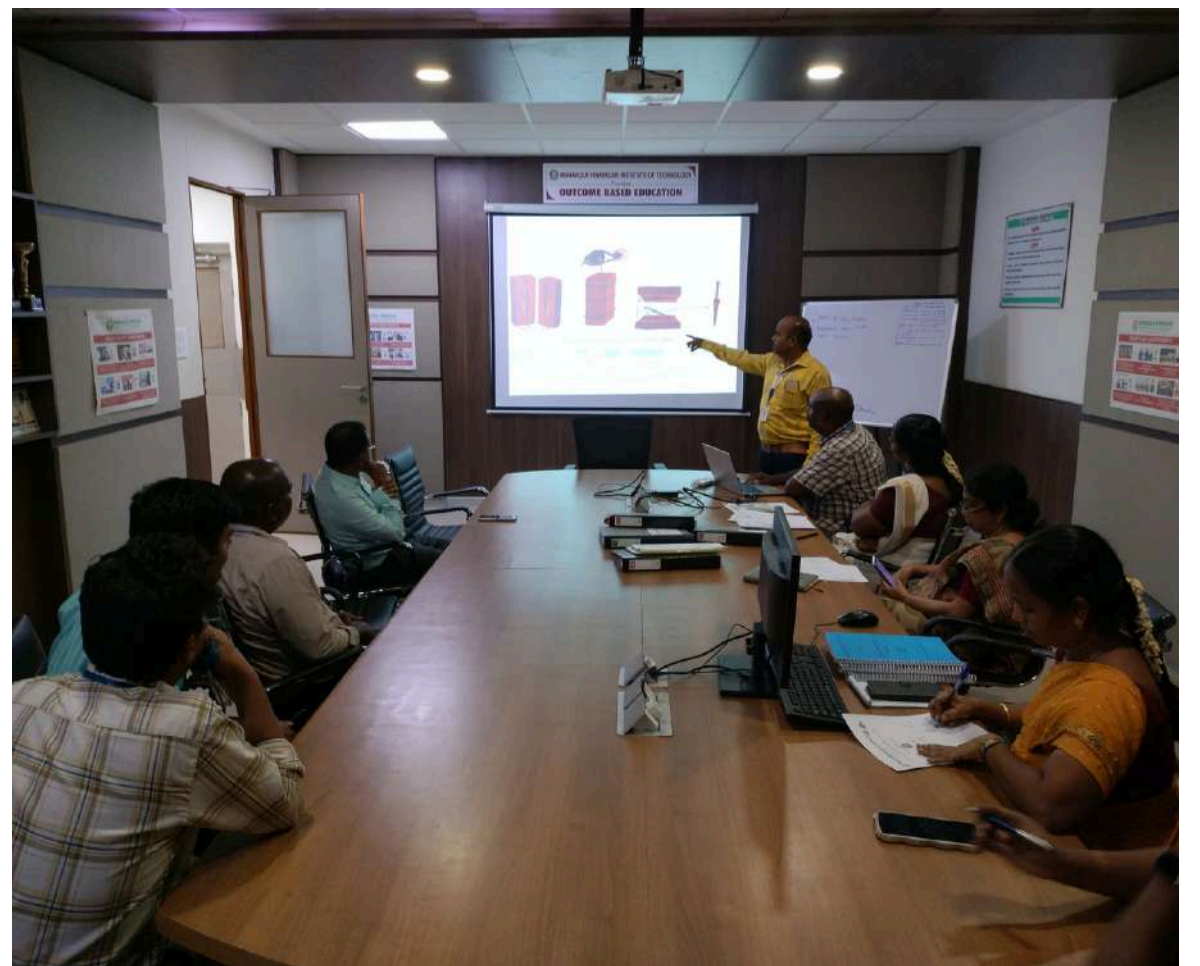
DR. BAIG MANSUR IBRAHIM, ASP/MBA

IKS CONNECT- SERIES I

(Relevance of Indian Knowledge System across various Engineering Domains)

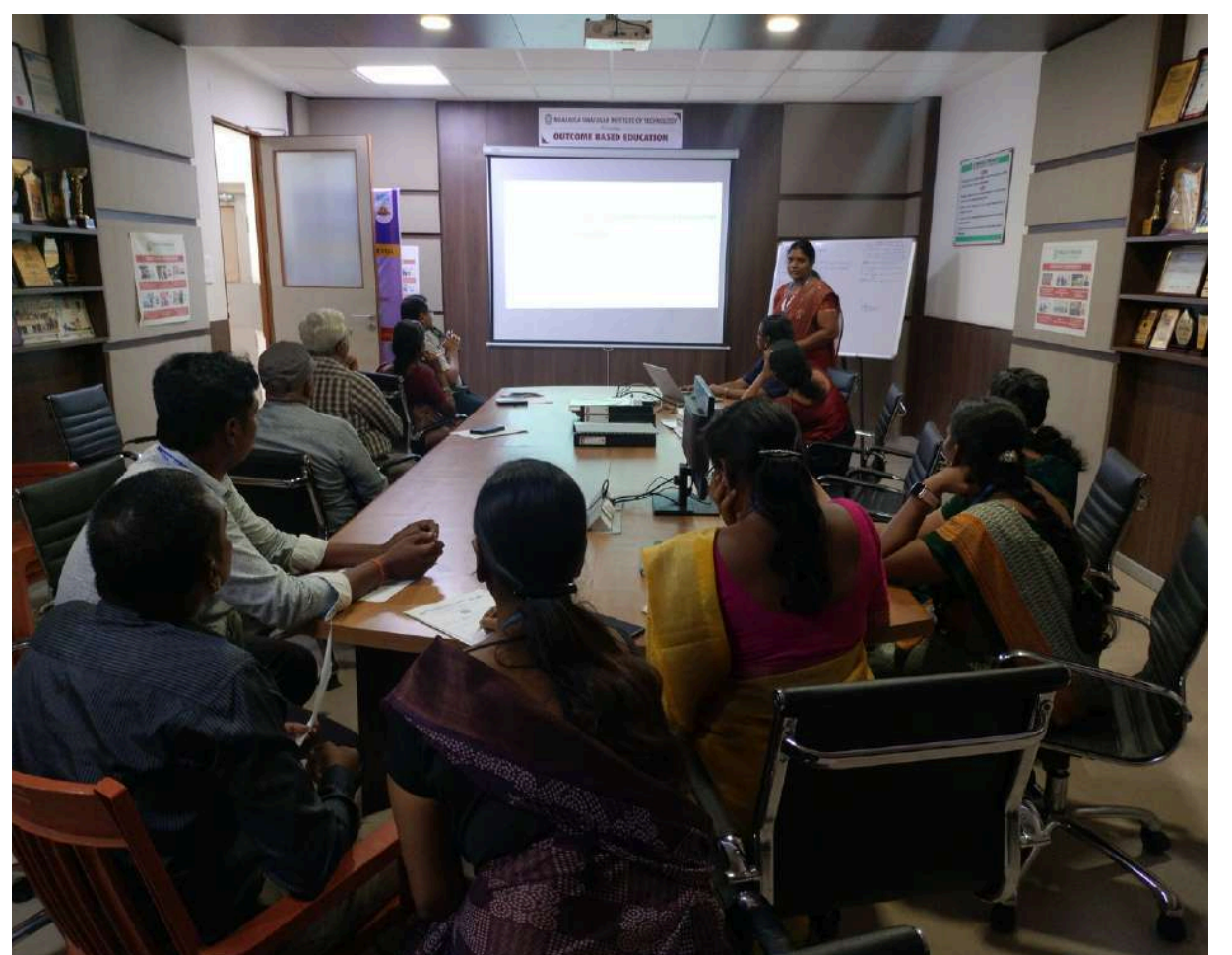
This series aims to explore the contributions and advancements of the Indian knowledge system in the field of Engineering and Technology and to appreciate how ancient Indian innovations have influenced modern Science and Engineering practices.

Mr. K. Selvam, AP/MECH, delivered a presentation titled "Historical Perspective for Metal Casting" as part of the IKS-Series I on 1st August 2024.

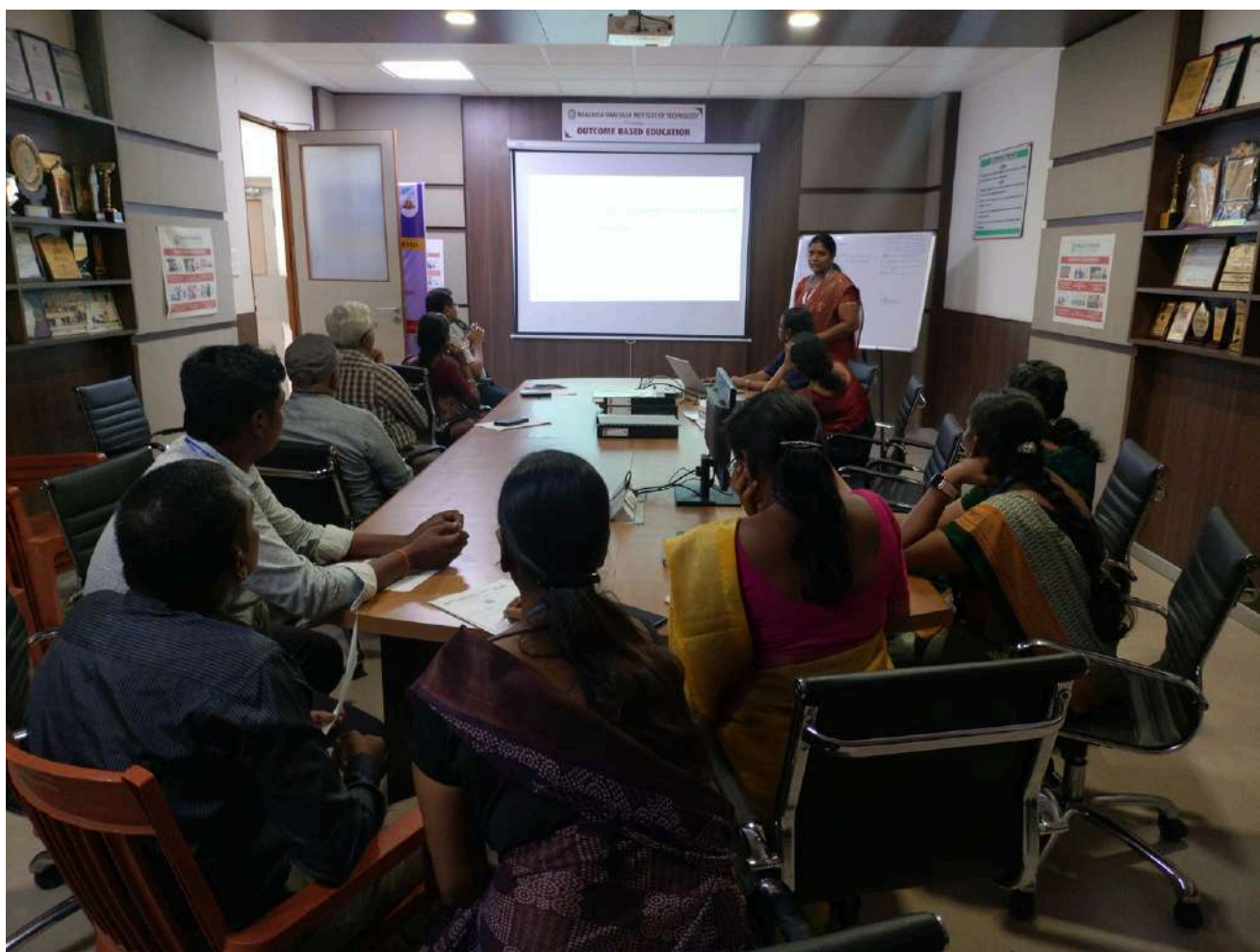


Dr. R. Baghya Nisha, AP/MECH, delivered a presentation titled "Traditional Foods Over the Ancient Times" during IKS-Series I, on 3rd August 2024.

Mrs. J. V. Pesha, AP/RA, delivered a session titled "Echoes of the Past: Ancient Indian Knowledge in Modern Technology" in IKS-Series I on 3rd August 2024.

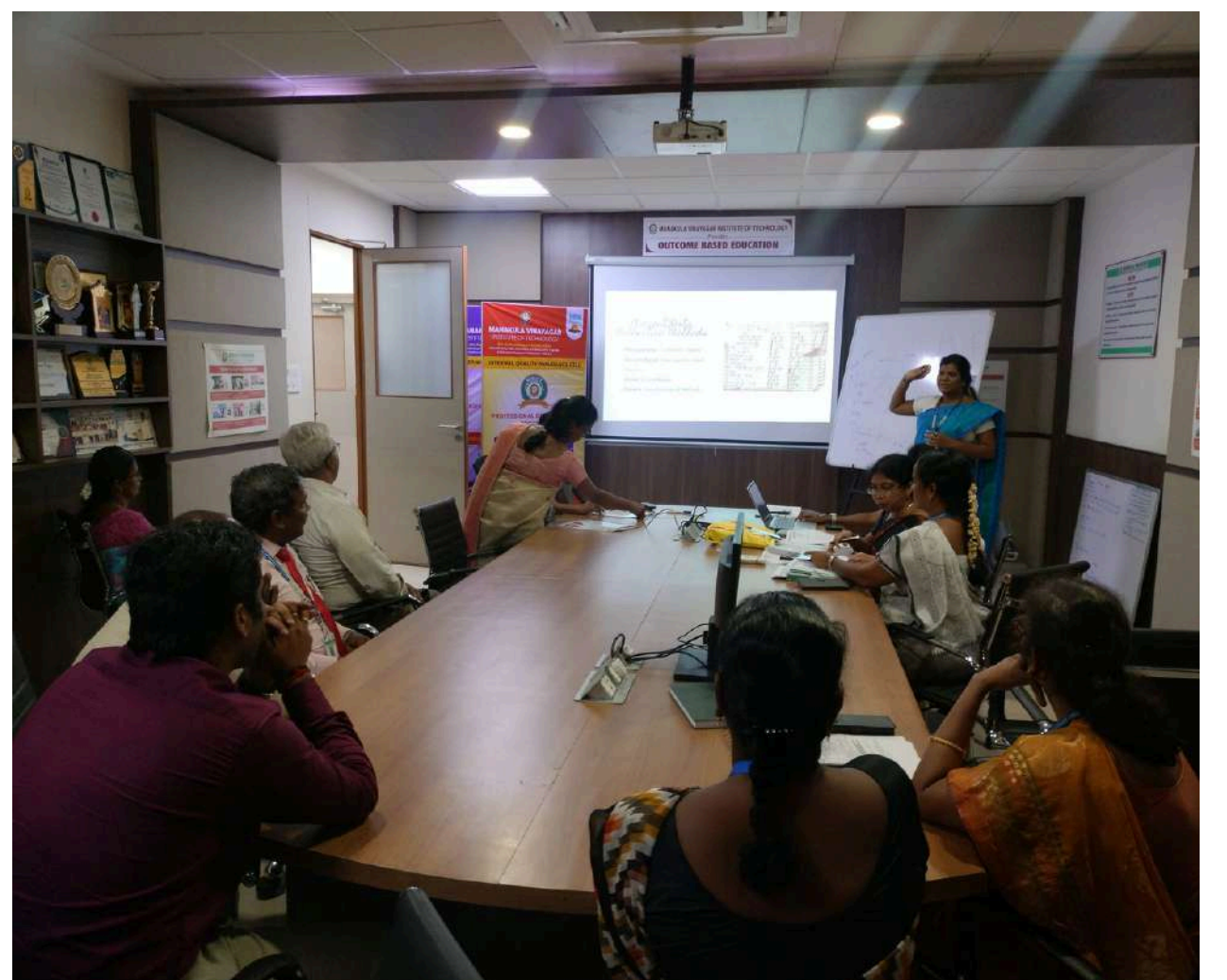


Ms. Anupriya, AP/AIML, delivered a session on “Transition of Ancient Knowledge Systems into Artificial Intelligence Systems” in conjunction with the IKS-Series I on 3rd August 2024.



Ms. D. Jasmine Susilah, AP/Robotics and Automation, presented a session titled “Automation in Sustainable Practices Derived from Ancient Indian Knowledge” in the IKS-Series I on 9th August 2024

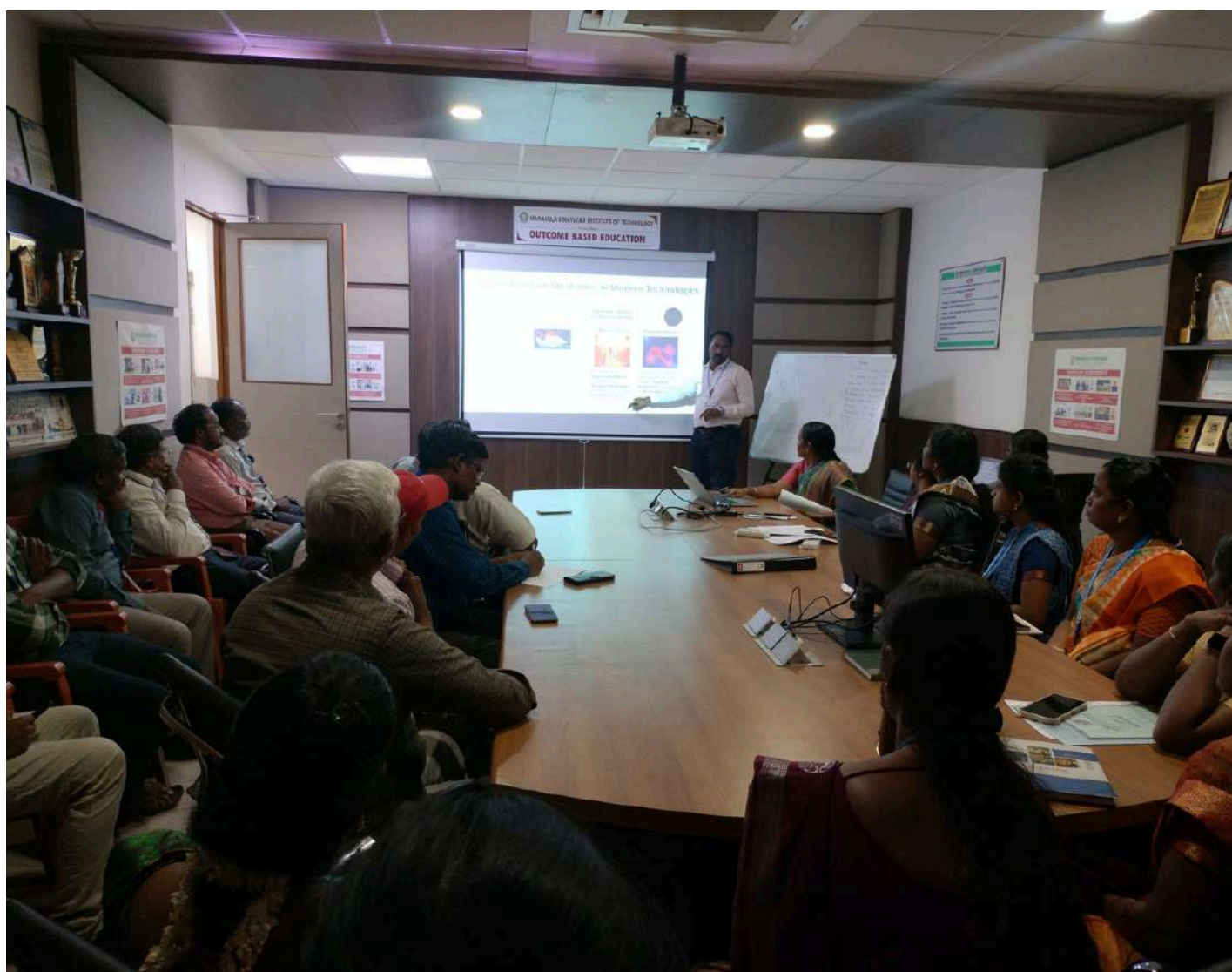
Mr. S. K. Sugunedham, AP/AIML, presented a session titled “Data Collection and Prediction Methods: From Ancient Times to Modern AI” during the IKS-Series I on 8th August 2024.



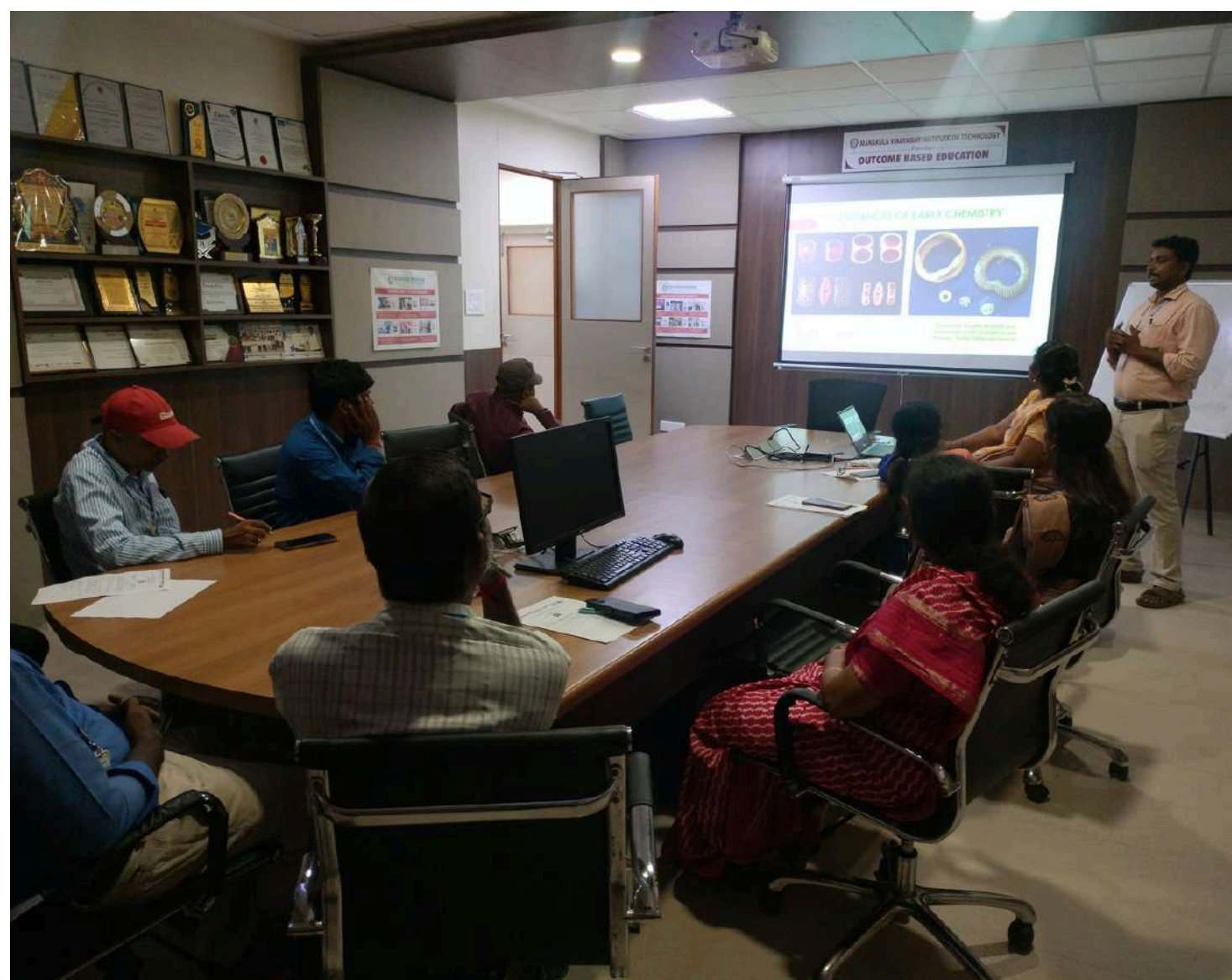
Ms. S. Adolphine Shyni, AP/CSE-ICB, presented a session titled “Incorporating Ancient Indian Cryptography Techniques in to Modern Cybersecurity Frameworks” in the IKS-Series I on 13th August 2024.



Dr. S. Shanthi, AP/Maths, conducted a session titled “Application of Fibonacci Numbers and the Golden Ratio” in the IKS-Series I on 20th August 2024.



Mr. R. Vijayaprasath, AP/Physics, delivered a session titled “Modern Quantum Physics and Its Connections to Ancient Indian Knowledge Systems (IKS)” in the IKS-Series I on 22nd August 2024.



Dr. V. Vinayagam, Assistant Professor of Chemistry, presented a session titled "Chemistry in Ancient India" as a key component of the IKS-Series I on 24th August 2024.

MANAGEMENT LECTURE SERIES

(Relevance to IKS - in View of Bhagavat Gita)

5th August to 28th August 2024

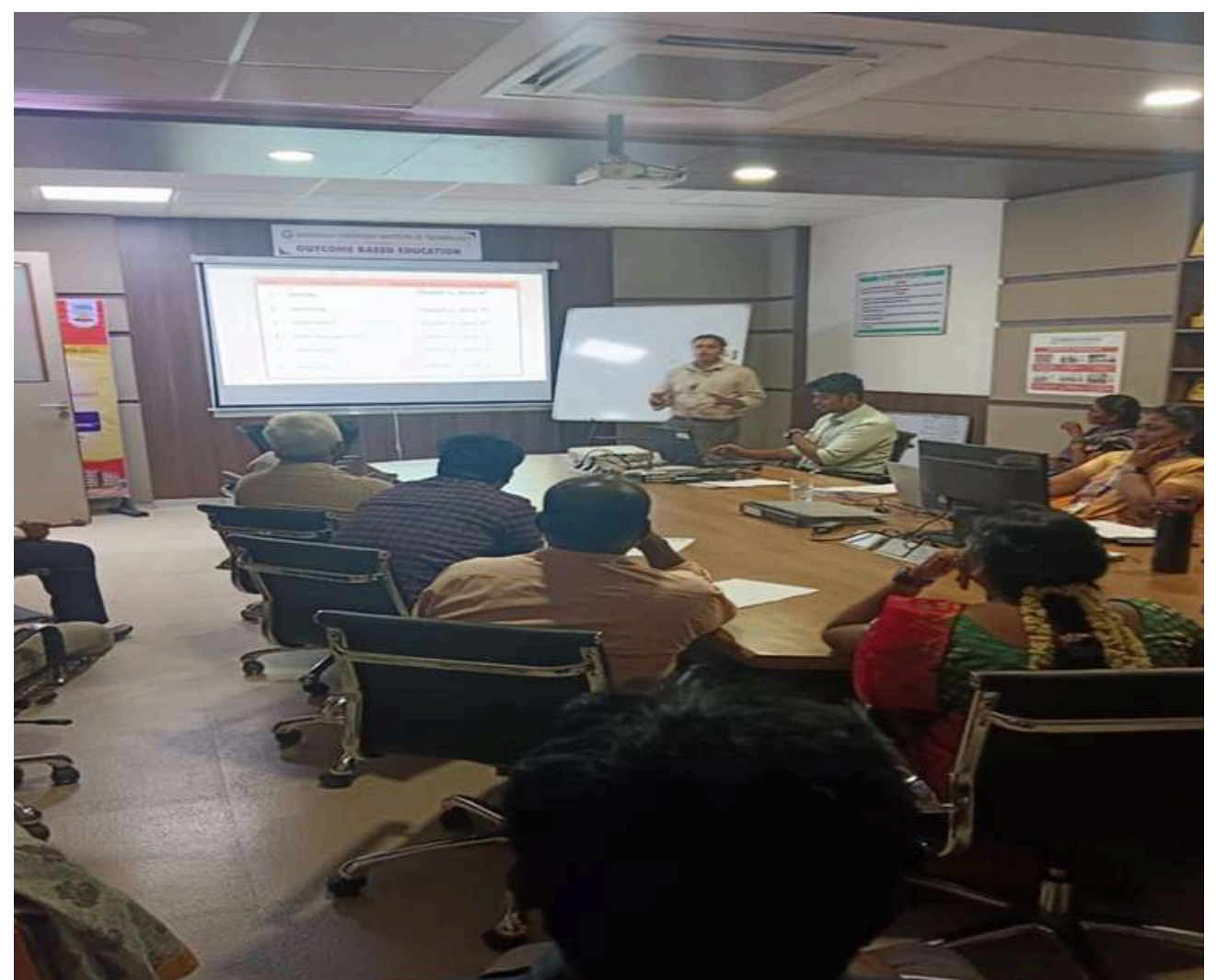
The session aims to appreciate the relevance of ancient Indian wisdom in contemporary Management concepts and to develop strategies for fostering the holistic development.

Dr.P.Baskaran, HOD / MBA has delivered the session titled “Holistic approach to management: Perspectives from The Bhagavad Gita” on 5th August 2024



Dr.S.Vaidheeswaran, ASP / MBA has delivered the session titled “Strategic management from Bhagavat Gita” on 7th August 2024

Dr.Baig Mansur Ibrahim, ASP / MBA has delivered the session titled “Financial Management: Perception from Bhagavat Gita” on 10th August 2024



Mr.C.Arun, AP / MBA has delivered the session titled “Work-Life Management Practices in Bhagavat Gita” on 12th August 2024

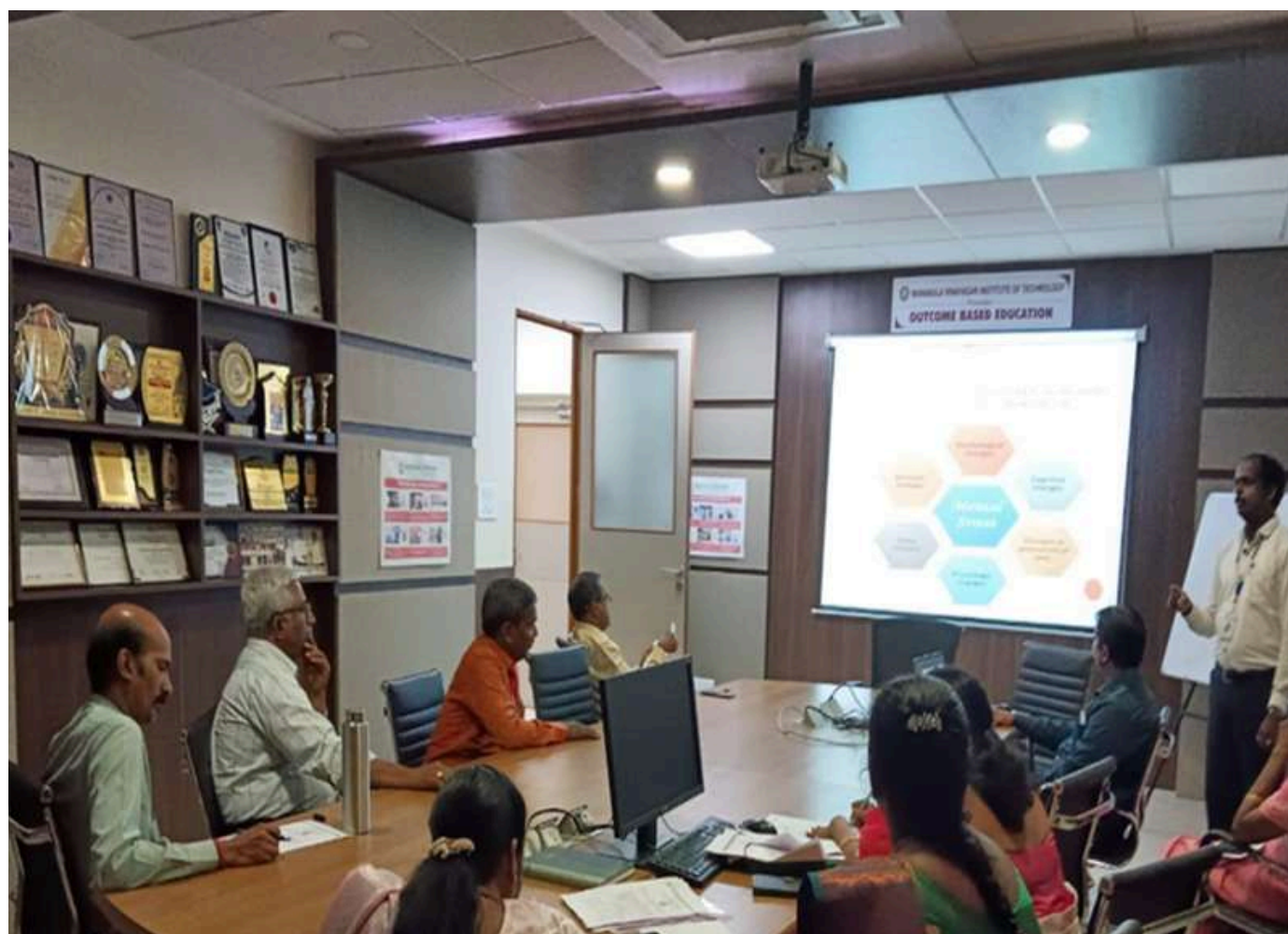


Ms.G.Agalya, AP / MBA has delivered the session titled “Ethical Principles of the Bhagavad Gita for Sustainable Leadership” on 14th August 2024

Ms.K.Kalaivani, AP / MBA has delivered the session titled “Effective Communication: Learning from Lord Krishna’s Teachings” on 19th August 2024



Dr.G.Manoja, AP / MBA has delivered the session titled “Managing oneself to be a Productive Manager: Understanding from Bhagavad Gita” on 21st August 2024



Mr.D.Jayanthan, AP / MBA has delivered the session titled “Stress Mitigation and Holistic Well-Being: Approach from Bhagavat Gita” on 24th August 2024



Mr.S.Vasanthan, AP / MBA has delivered the session titled “Emotional Intelligence: Insights from Bhagavat Gita” on 26th August 2024

Mr.M.Nishant, AP / MBA has delivered the session titled “Human Resource Management for Productive and Fulfilling Workplace: Lessons from Bhagavad Gita” on 29th August 2024



PROFESSIONAL DEVELOPMENT PROGRAMME MATHEMATICS: THE FOUNDATION OF ENGINEERING

(7th August to 13th August 2024)

This PDP aims to enhance mathematical knowledge, skills relevant to engineering applications and foster inter disciplinary collaborations and integrations.

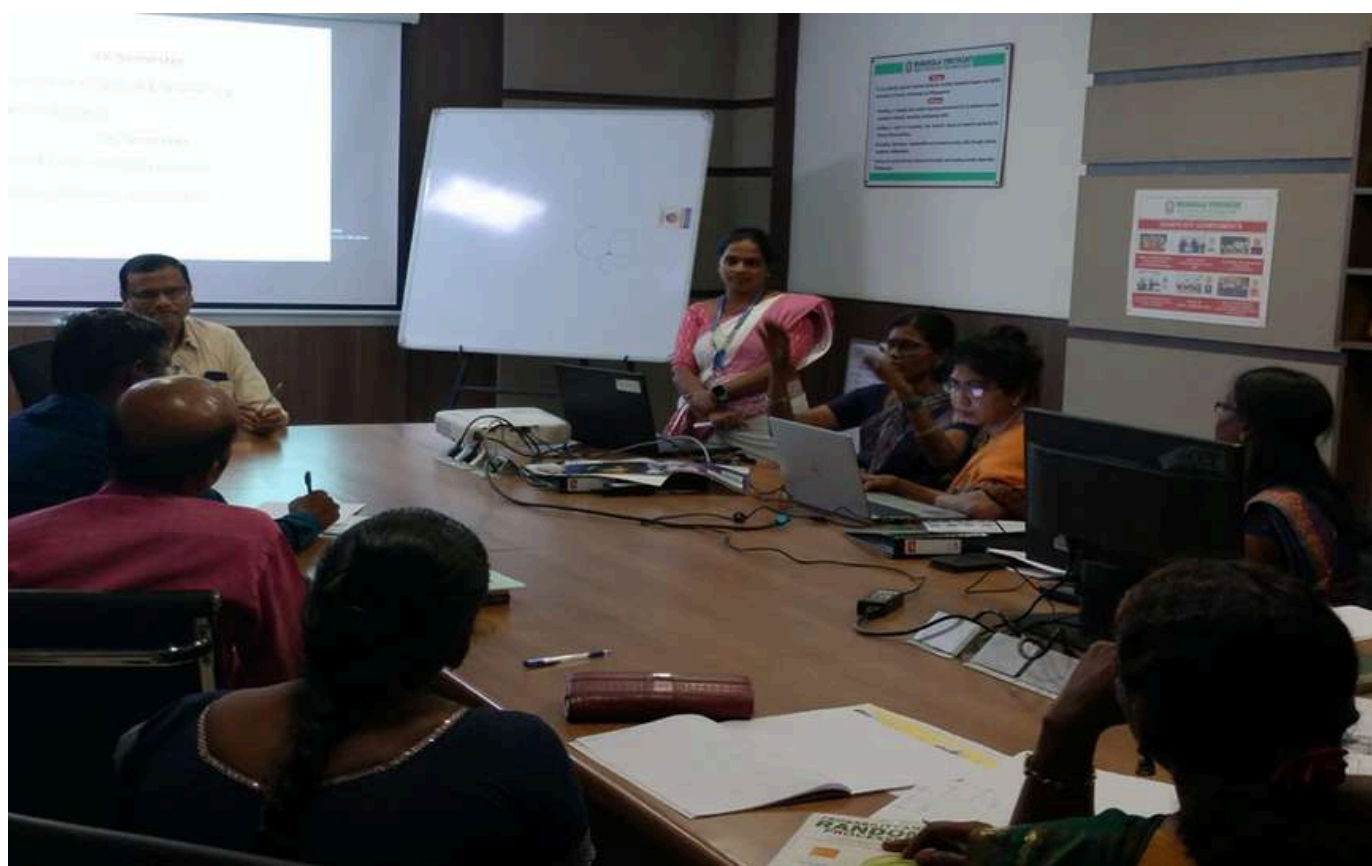
Dr.K.Sedhuraman, Assistant Professor/EEE delivered the session titled “Mathematical Principles & Their Applications in Electrical Engineering” on 7th August 2024



Ms.R.Priya, Assistant Professor/EEE delivered the session titled “Mathematical Principles & Their Applications in Electrical Engineering” on 8th August 2024

Mr.R.Rajbharath, HOD/AI &ML delivered the session titled “The Mathematical Framework behind Modern Algorithms” on 9th August 2024





Ms.K.Alamelu, Assistant Professor/ ECE delivered the session titled “Mathematics in Network Analysis” on 10th August 2024

Mr.S.Ganeshkumar, Assistant Professor/ Mech delivered the session titled “Fourier series and FEA” on 12th August 2024



Ms.D.Dharani, Assistant Professor/RA delivered the session titled “Mathematics foundation in Robotics and Automation” on 13th August 2024

PROFESSIONAL DEVELOPMENT PROGRAMME - (NON - TEACHING)

MASTERING WORKPLACE DYNAMICS

(5th AUGUST TO 9th AUGUST 2024)

This PDP aims to enhance awareness, understanding of workplace ethics and foster a culture of integrity, respect and professionalism for the non teaching staffs.

Dr.S.Malarkkan, Principal delivered the session titled “Code of Conduct” on 5th August 2024.



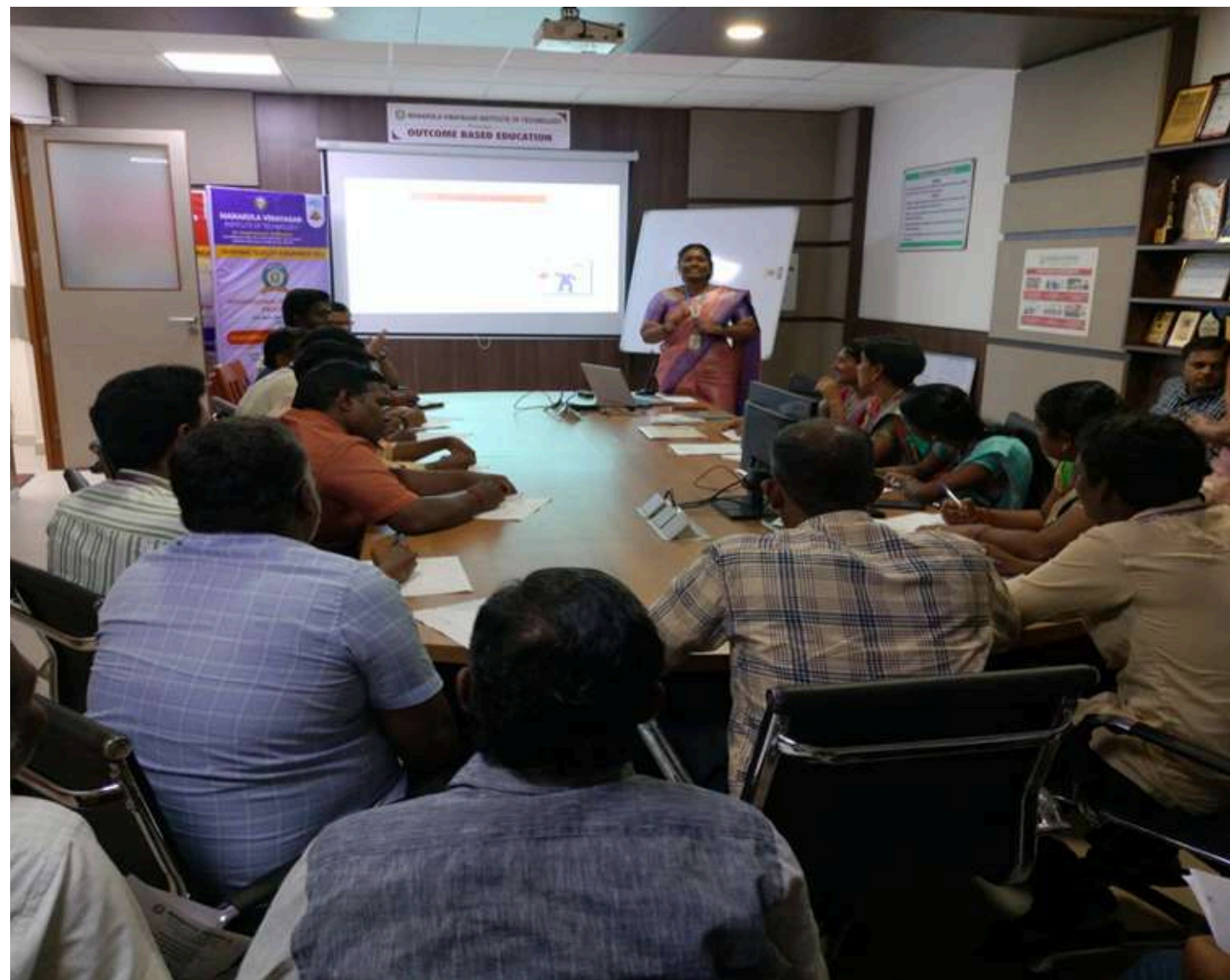
Dr.R. Valli, Professor/ECE, R&D Head delivered the session titled “Up Skilling” on 6th August 2024.



Dr. Baig Mansur Ibrahim, Assistant Professor, MBA delivered the session titled “Team Building” on 7th August 2024



Dr.R.Rajalakshmi, Associate Professor, CIVIL delivered the session titled “Work Ethics” on 8th August 2024



Ms.I.Varalakshmi, Assistant Professor/ CSE delivered the session on “Time Management” session on 9th August 2024

CAREER GUIDANCE CELL(CGC)

Career guidance programs empower individuals to make informed career choices, foster personal and professional growth.

Mr.K.Gokul, Senior Engineer, TVS Sundaram, has delivered a seminar on “The Role of Electrical Engineers in the Development of Electric Vehicles” on 13th August 2024 for Final year students



Mr.V.G.Girish, Associate Professor, The Catholic University of Korea, South Korea, delivered a seminar on “Unlocking the Avenues of Higher Studies Abroad, Specifically in East Asia” for the third year students on 20th August 2024.

Mr. Jayabaskaran- Digital Marketing Manager, Mr. Samchay Jain- Marketing Executive & Mr. Shakthivel-Trainer Pondicherry International Safety Training Academy (PISTA), Puducherry has delivered a lecture on “OFFSHORE, OIL & GAS INDUSTRIES” for Mechanical Engineering students on 21st August 2024.





Mr.Vimal Herbert, AP/FT, delivered a career counselling seminar on “Career Paths in Food Safety Audit” for Second year Food Technology Students on 21st August 2024

Dr. R. Sofia AP/ECE, delivered a seminar on “Beyond the Degree: Preparing for the Future of Work and Industry Trends” on 24th August 2024 for Second year ECE A section students



INDUSTRIAL VISITS

The Industrial visits enhance the understanding of theoretical concepts through real world applications and promote Industry academia collaboration.



An industrial visit to “M/s Codebind Technologies Solutions” at Chennai was organized on 10th August 2024 for the second-year CSE (ICB) students. The visit was coordinated by Mr. V. Kumaraguru, AP/CSE (ICB), and Ms. Nithyasri, AP/CSE (ICB).



An industrial visit to “M/s. Radio Astronomy Centre” at Ooty was organized on 23rd and 24th August 2024 for the third-year ECE students. This visit was meticulously coordinated by Mr. V. Rajesh (AP/ECE), Mr. K. Kumaran (AP/ECE), Mr. V. Suresh (Technical Assistant), Mrs. K. Alamelu (AP/ECE), and Dr. N. Dhurga (AP/English).



On 24th August 2024, an industrial visit to “M/s. Vei’s Technologies Pvt Ltd” at Chennai was arranged for the second-year AI & ML students. The visit was coordinated by Ms. P. Suganya, AP/AI & ML, Mr. A. Jainullabdeen, AP/AI & ML, Ms. S. Chitra, AP/AI & ML, and Ms. S. Lavanya, AP/AI & ML.



An industrial visit to “M/s. SUJA SHOEI Industries Pvt Ltd”, Tindivanam, was organized for the second-year Mechanical students on 24th August 2024.



An industrial visit to “M/s. PISTA (Pondicherry International Safety Training Academy and Accommodation)” at Puducherry was scheduled for the second, third, and final-year Mechanical students on 27th August 2024.



An industrial visit to “M/s. NLC India Limited” at Neyveli was organized on 30th August 2024 for the third-year EEE students. The visit was coordinated by Dr. K. Sedhuraman, ASP/EEE, Mr. S. Rajkumar, AP/EEE, and Mr. J. Vijaya Raghavan, AP/EEE.

COMMEMORATIVE DAYS CELEBRATION - MAPPING SDG GOALS

Activities foster a deeper understanding of global challenges, encourage student engagement, and drive meaningful action. By aligning commemorative days with the SDGs, we ensure that the focus is not only on raising awareness but also on taking concrete actions towards achieving global goals



Mr. R. Sambathkumar, AP/ECE, conducted various events such as a Poster Presentation, Debate, and Poetry Competition to celebrate "National Friendship Day" on 10th August 2024.

The activities organized in National Friendship Day promote well-being (SDG 3) by fostering social interaction, reduce inequalities (SDG 10) through inclusive participation, and encourage peaceful dialogue and mutual respect, supporting strong communities (SDG 16).

Ms. Suganya, (AP/CSE), organized a seminar titled "Threats in the World Wide Web," delivered by Ms. Amala Margret, in observance of "International World Wide Web Day." The seminar was held on 12th August 2024 for second-year students.

The seminar on "Threats in the World Wide Web" enhances education quality (SDG 4) and develops cybersecurity skills, while promoting the rule of law in cyberspace (SDG 16) and fostering global partnerships for sustainable development (SDG 17).



Mr. J. Vijaya Raghavan, AP/EEE, conducted a poster presentation in celebration of "International Youth Day" on 12th August 2024.

The posters presented on "International Youth Day" enhance education and engage with youth issues (SDG 4), while also promoting gender equality (SDG 5) and fostering decent work and economic growth through youth development opportunities (SDG 8).





Dr. Bagya Nisha, AP/FT organised a Guest lecture on “Importance of Food Safety” delivered by Mr. M. Ravichandran, Food Safety Officer, FSSAI, Puducherry on the occasion of World Food Safety Day on 28th August 2024.

The importance of food safety, directly contributing to SDG 3 (Good On August 28, 2024, Health and Well-being) by promoting practices that prevent food borne illnesses and support overall health.

Mr. M. Ravichandran, Food Safety Officer, FSSAI, Puducherry delivered a lecture on “World Food Safety Day” on 28th August 2024

Millet competition was held on 29th August, 2024 for MVIT Students to showcase the benefits of millets. This event aligns with SDG 2 (Zero Hunger) by highlighting millets as a nutritious and sustainable food source that can help improve food security and address hunger



Poster presentation was conducted on 30th August 2024 for MVIT students to present their work on topics related to food systems and sustainability.

This activity supports SDG 12 (Responsible Consumption and Production) by raising awareness about sustainable food practices and efficient resource utilization.





On 30th August 2024, Mr. M. Imran Khan, AP/CSE, organized the MVIT Grandmaster Chess Tournament to celebrate International Chess Day. The tournament attracted 205 students, engaging chess enthusiasts of all skill levels.

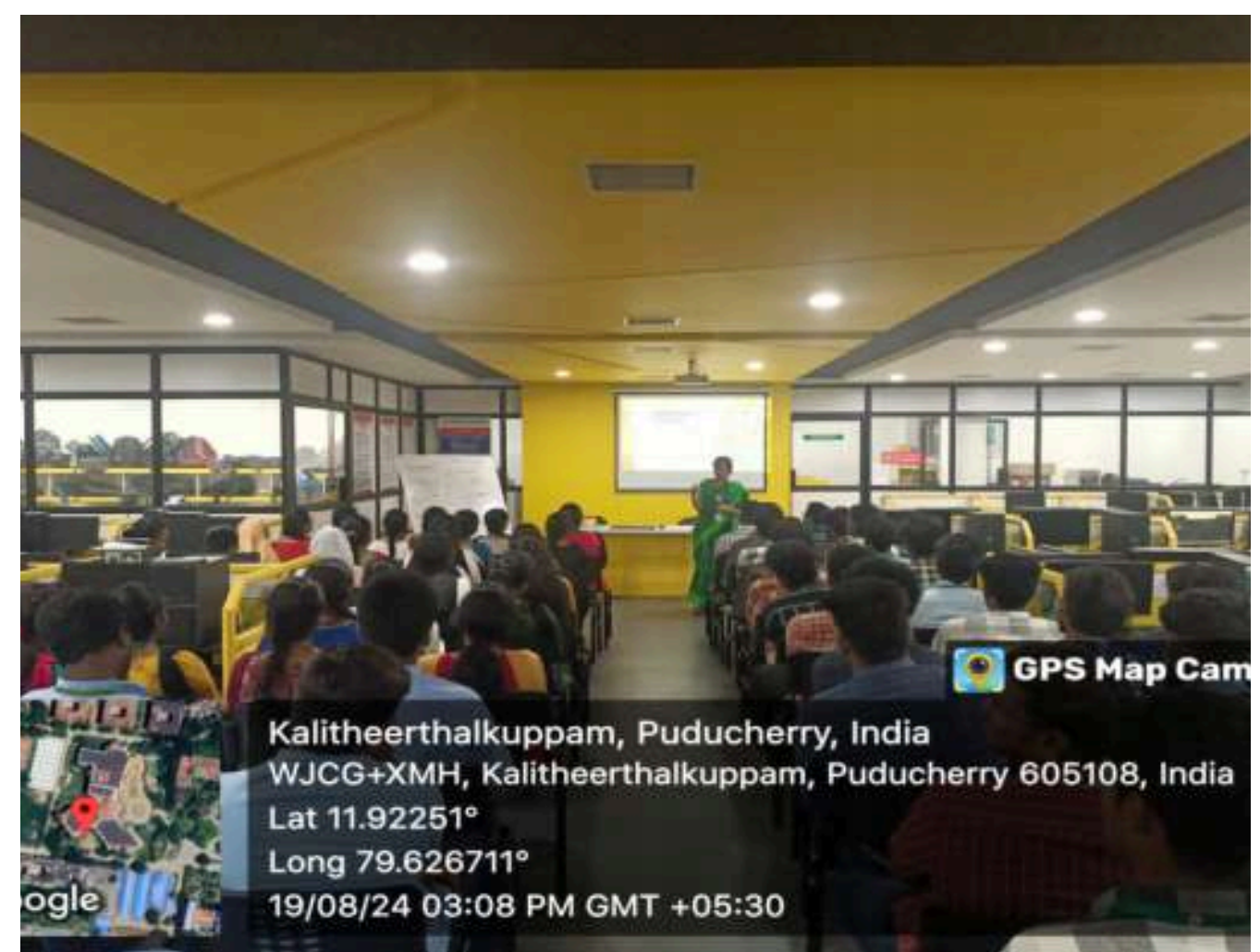
This event aligns with SDG 4 (Quality Education) by promoting strategic thinking and problem-solving skills, SDG 10 (Reduced Inequalities) by fostering inclusivity across different skill levels, and SDG 16 (Peace, Justice, and Strong Institutions) by encouraging fair play and fostering peaceful, inclusive participation.

QUALITY IMPROVEMENT PROGRAM (QIP)

The Quality improvement program enhance student learning outcomes and promotes creativity and innovation.



A Quality Improvement Program on "Ancient Culture, Heritage, and Secret Decoding Techniques" was conducted by Ms. I. Varalakshmi, AP/CSE, and Mr. R. Sathish Kumar, AP/CSE, for third-year CSE students on 5th August 2024.



A Quality Improvement Program titled "Harnessing Traditional Knowledge for Quality in AI: A Journey From Ancient Methods to Modern Predictive Systems" was conducted by Mrs. S. K. Sugunedham, AP/AI&ML, and Mrs. K. Anupriya, AP/AI&ML, for third-year AI&ML students on 19th August 2024.



On 14th August 2024, Mr. Sudhagar from VEI Technologies, Chennai, facilitated a Quality Improvement Program titled "Quality Standards in Cyber Security: Protecting Information with Precision" for third-year IT students.



A Quality Improvement Program titled "Mapping IKS for Quality Enhancement in Image Processing" was conducted by Dr. R. Sofia, AP/ECE, for second-year ECE students on 19th and 20th August 2024.



A Quality Improvement Program titled "Synergizing Quality & IKS in Electrical Engineering" was conducted by Dr. K. Sedhuraman, ASP/EEE, and Mr. S. Rajkumar, AP/EEE, for third-year EEE students on 21th August 2024.



A Quality Improvement Program titled "Quality Optimization in Supercomputing: Lessons from Ancient Indian Algorithms" was conducted by Mrs. J. Prabavadhi, AP/IT, for second-year IT students on 23th August 2024.

A Quality Improvement Program titled "The Evolution of Food Processing: Quality from Ancient to Modern" was conducted by Dr. R. Baghya Nisha, AP/FT, for third-year FT students on 27th August 2024.





A Quality Improvement Program titled "Bridging Eras: Ancient Indian Science and Modern Innovation" was facilitated by Mrs. J. V. Pesha, AP/R&A, for second-year students on the 10th of August 2024.

A Quality Improvement Program entitled "Indian Knowledge System in Modern Cryptography" was conducted by Ms. S. Adolphine Shyni, ASP/CSE (ICB), for second-year CSE (ICB) students on 28th August 2024.



Memorandum of Understanding (MoU)



The Robotics and Automation Department signed a Memorandum of Understanding (MoU) with Brite Wissen Training Academy, Chennai, on the 12th of August 2024.



The AI & ML Department signed a Memorandum of Understanding (MoU) with Top Skilled Academy on 20th August 2024.

RESEARCH METHODOLOGY

(Workshops/Seminar)



A research seminar titled “Cyber Security in 360 Degrees” was conducted by Mr. Rajkumar Kalaimani, Senior Engineer at Altimetrik India (P) Ltd., for second and third-year CSE (ICB) students on 5th August 2024.



On August 20, 2024, Mr. V.G. Girish, Associate Professor at The Catholic University of Korea, South Korea, delivered a research seminar titled “Unveiling the Ethos of Research – A Few Pertinent Thoughts” for the faculty members of MVIT, organized by the R&D Cell.



WJFG+6G7, Kalitheerthalkuppam, Puducherry 605107, India
Lat 11.922746°
Long 79.626681°
26/08/24 01:45 PM GMT +05:30



WJFG+6G7, Kalitheerthalkuppam, Puducherry 605107, India
Lat 11.922763°
Long 79.626663°
26/08/24 01:34 PM GMT +05:30

A research seminar titled “Cybersafe in the Banking Sector” was conducted on August 26th, 2024, featuring Mr. Dhinesh Kumar, Chief Information Security Officer of Indian Bank, Global Support Service Ltd, Chennai, as the speaker for the final-year students.



A research workshop titled “Translating NEP 2020 into Actionable Strategies in Technical Education” was conducted by Dr. Sheela Ramachandran, Pro Chancellor of Atmiya University, Rajkot, Gujarat, for faculty members on August 31st, 2024. This event was organized by the R&D Cell.



On 24th August 2024, Dr. C. Shanmugasundharam, Professor and Head of the Department of Electrical and Electronics Engineering, delivered a research seminar entitled "Decentralized Energy Systems" for the faculty members.

A research seminar titled "Software Tools in Engineering for Research" was conducted by Dr. R. Sofia, Assistant Professor in the Department of Electronics and Communication Engineering, for second-year ECE students on 27th August 2024. The seminar explored the significance of software tools in enhancing engineering research methodologies and outcomes



A research seminar titled "Advanced Multivariate Analysis Techniques in Food Research" was conducted by Dr. D. Tiroutchelvame, Assistant Professor in the Department of Food Technology, for third and final-year Food Technology students on 27th August 2024. The seminar focused on the application of advanced multivariate analysis techniques in food research to enhance data interpretation and decision-making processes.



Alumni Contribution



An Alumni Contribution session on “Industry Trends and Insights” was conducted for final-year students by Mr. M. Pragashraj, an Associate Engineer at Virtusa, Chennai (Batch: 2019-2023), on 10th August 2024. The session provided valuable insights into current industry trends and best practices, enhancing students' understanding of the professional landscape.

An Alumni Talk and Mock Interview session was conducted for final-year IT students by our alumnus, Mr. Srinivasan, Senior Production Engineer Manager in Bangalore (Batch: 2008-2012), on 10th August 2024. This session aimed to equip students with practical interview skills and industry insights, fostering their preparedness for the job market.



An Alumni Contribution session on “Machine Learning and Graph Analysis” was conducted for third-year students by our alumnus, Mr. Brainard Samuel, Data Scientist at TCS Chennai (Batch: 2016-2020), on 10th August 2024. This session provided valuable insights into the application of machine learning techniques and graph analysis in real-world scenarios, enhancing the students' understanding of these critical concepts.





Mr. S. Prakashkumar, a Quality Executive at Food Swing Enterprise in Chengalpattu, delivered a talk titled “Mastering Quality Assurance in Food Production: Best Practices and Strategies” for third and final-year Food Technology students on 20th August 2024. This session focused on essential quality assurance methodologies and strategies to enhance food production processes, providing valuable insights to the students in the field.

Mr. S. Anandhaeswar, a Quality Analyst at Gayathri Cashew Processing in Tindivanam, delivered a talk titled “Cashew Processing: Ensuring Excellence from Farm to Table” for final-year Food Technology students on 29th August 2024. This presentation provided insights into the quality control measures and best practices involved in the cashew processing industry, highlighting the importance of maintaining excellence throughout the production chain.



Intellectual Property Rights (IPR)



Dr. B. Hemakumar, Associate Professor in the Department of Electronics and Instrumentation Engineering (EIE) at PTU, delivered a session titled “Digital Intellectual Property” on 22th August 2024 for third-year ECE students. This session focused on the significance of Intellectual Property Rights (IPR) in the digital age, emphasizing the protection of innovations and creative works in technology and engineering.

Endowment Lecture



Mr. V. Githendra, a Quality Analyst at HCL, Chennai, and Mr. V. Aswin, an Engineer at Renault Nissan, Chennai, delivered a session titled “The Next Frontier: Exploring the Convergence of Artificial Intelligence and Quantum Computing” on 24th August 2024 for second-year ECE B Section students. This session focused on the emerging intersection of artificial intelligence and quantum computing, highlighting potential advancements and applications in various industries.

DOSSIER EDITORS

DR. S. MALARKKAN
Principal, MVIT
principal@mvit.edu.in

DR. R. VALLI
IQAC Coordinator, MVIT
iqac@mvit.edu.in

MS. I. VARALAKSHMI
Assistant Professor/ CSE, MVIT
varalakshmicse@mvit.edu.in



MANAKULA VINAYAGAR

INSTITUTE OF TECHNOLOGY

Approved by the AICTE, New Delhi - Affiliated to Pondicherry University
Accredited by NAAC WITH 'A' Grade and NBA (National Board of Accreditation)
Kalitheerthalkuppam, Puducherry - 605 107
Ph: 0413 2643007 / Website: www.mvit.edu.in

