



MANAKULA VINAYAGAR INSTITUTE OF TECHNOLOGY



Kalitheerthall Kuppan, Puducherry - 605107

(Affiliated to Pondicherry University, Accredited by NBA & NAAC 'A' Grade)

DEPARTMENT OF INFORMATION TECHNOLOGY

2023-2024(ODD)
Volume 13



NEWS LETTER



VISION OF THE DEPARTMENT

To transform the individuals into globally proficient Information Technologists, to meet the challenges of the evolving society.

MISSION OF THE DEPARTMENT

M1: Higher Order Thinking: To provide quality education in both theoretical and practical aspects in the field of Information Technology.

M2: Competency: To equip the students to cater the industrial demands through providing advance training.

M3: Continuous Learning: To encourage and guide the students to participate in research oriented activities and pursue higher education.

M4: Entrepreneurship: To inculcate the spirit of entrepreneurship among students to serve the nation.

◆ Educate

◆ Empower

◆ Excel



Shri. M. DHANASEKARAN
Chairman and Managing Director, SMVE Trust



Shri. S.V. SUGUMARAN
Vice Chairman, SMVE Trust



Dr. K. NARAYANASAMY
Secretary, SMVE Trust



Shri. D. RAJARAJAN,
Treasurer, SMVE Trust

MESSAGE FROM PRINCIPAL



My heart is welcome to all the young and budding engineers who have joined in Manakula Vinayagar Institute of Technology.

With the guidance of our respected chairman and vice chairman with the help of highly qualified and dedicated faculty team we will be moulding the students to the required shape which will make them industry ready employable and will disciplined.

The Manakula Vinayagar Institute of Technology will strive hard to provide pleasant, ambience and conductive atmosphere for modeling the young minds to scale greater heights in their chosen field of study. In our college we give top priority to academic excellence, innovation and discipline. An effective Training and Placement Cell is in place to provide placement to all our students. Focus is given to Extra Curricular and co-Curricular activities through various club and societies instituted to augment the student's skills and knowledge.

State of the hot and up to date infrastructure facilities and good learning atmosphere are the hallmark of the institution I hope all the students admitted in the institution will enjoy their study in the campus. Let us all come together will together and that you together with the blessings of the all mighty for tomorrow's India.

With regards.

Dr.S Malarkkan Principal, MVIT.

MESSAGE FROM HOD



I am very happy to see our IT department newsletter 2023-24 being published with combined effort of our department faculty members as well as students. Let us set ourselves goal to reach new heights in this academic year. The department is focused to provide the students for wide range of IT careers equipping them with unique enriching experience of molding tomorrow's technocrats with high caliber and commitment.

I hope that this news letter will serve the purpose of reflecting all the activities of the departments and I wish good luck to the entire team of editors and look forward to your kind patronage of our news letter.

I sincerely hope that the newsletter will serve a bridge between the faculty, current students and alumini.

With regards,

Dr.P.Sivakumar,Professor & HOD/IT,MVIT.



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DEPARTMENT OF INFORMATION TECHNOLOGY

INSTITUTE VISION

To be a globally reputed Technical Institution creating Competent leaders and Skillful innovators in Science, Technology and Management.

DEPARTMENT VISION

To transform the individuals into globally proficient Information Technologists, to meet the challenges of the evolving society.

INSTITUTE MISSION

IM1: Providing a dynamic and creative learning environment for its students to acquire exemplary technical, analytical, professional skills.

IM2: Imbibing a spirit of innovation and research among its students and faculty for solving critical problems.

IM3: Promoting Innovation, Employability and entrepreneurship skills through industry academic collaboration.

IM4: Serving the society through technical intervention and creating socially responsible Professionals.

DEPARTMENT MISSION

DM1: Higher Order Thinking - To provide quality education in both theoretical and practical aspects in the field of Information Technology.

DM2: Competency - To equip the students to cater the industrial demands through providing advance training.

DM3: Continuous Learning - To encourage and guide the students to participate in research-oriented activities and pursue higher education.

DM4: Entrepreneurship - To inculcate the spirit of entrepreneurship among students to serve the nation.

Program Educational Objectives(PEO)

PEO1: Employability: Graduates apply the knowledge of computations, engineering and technology to pursue a good career in the Information Technology.

PEO2: Higher Education: Graduates will participate in life - long learning through the successful completion of advanced degrees, continuing education and other professional developments.

PEO3: Entrepreneurship: Graduates will have the ability to exhibit their leadership quality and enable them to become an entrepreneur.

PEO4: Ethics: Graduates cultivate professional and ethical attitudes with effective communication skills, team work and multi-disciplinary approach related to engineering issues.



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Program Outcomes (POs)

- PO1: Engineering Knowledge:** Apply the knowledge of Mathematics, Science, Engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
- PO2: Problem Analysis:** Identify, formulate, research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
- PO3: Design/Development of solutions:** Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
- PO4: Conduct Investigations of Complex problems:** Use research - based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
- PO5: Modern Tool Usage:** Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.
- PO6: The Engineer and Society:** Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
- PO7: Environment and Sustainability:** Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
- PO8: Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
- PO9: Individual and Team Work:** Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
- PO10: Communication:** Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
- PO11: Project Management and Finance:** Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
- PO12: Life-Long Learning:** Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

Program Specific Outcomes (PSOs)

- PSO1:** Ability to use knowledge in various domains to apply the logical thinking in analyzing real world problems and provide solutions using open-source software.
- PSO2:** Ability to apply, analyze and develop IT based solutions using cutting edge technologies Artificial Intelligence, Machine Learning, Deep Learning, Cloud Computing and Internet of Things that meets the needs of the society and industry.



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DEPARTMENT OF INFORMATION TECHNOLOGY

ACADEMIC YEAR-2023-2024

STUDENTS ACTIVITIES



Mohan raj.G and Devesh.A, II Year IT Students, has won 1st Prize for Paper Presentation conducted by Puducherry Technical University on 04.10.2023 to 06.10.2023



Vishvaa, III Year IT Student, has won 3rd Prize for speed cards in adults category at the IAM world memory championship 2023 at Cidco Exhibition centre, Mumbai, India on 24th, 25th & 26th November 2023



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N.Covya , II Year IT Student has won 2nd Prize for Speech competition conducted by DMK Engineers Association on 04.11.2023

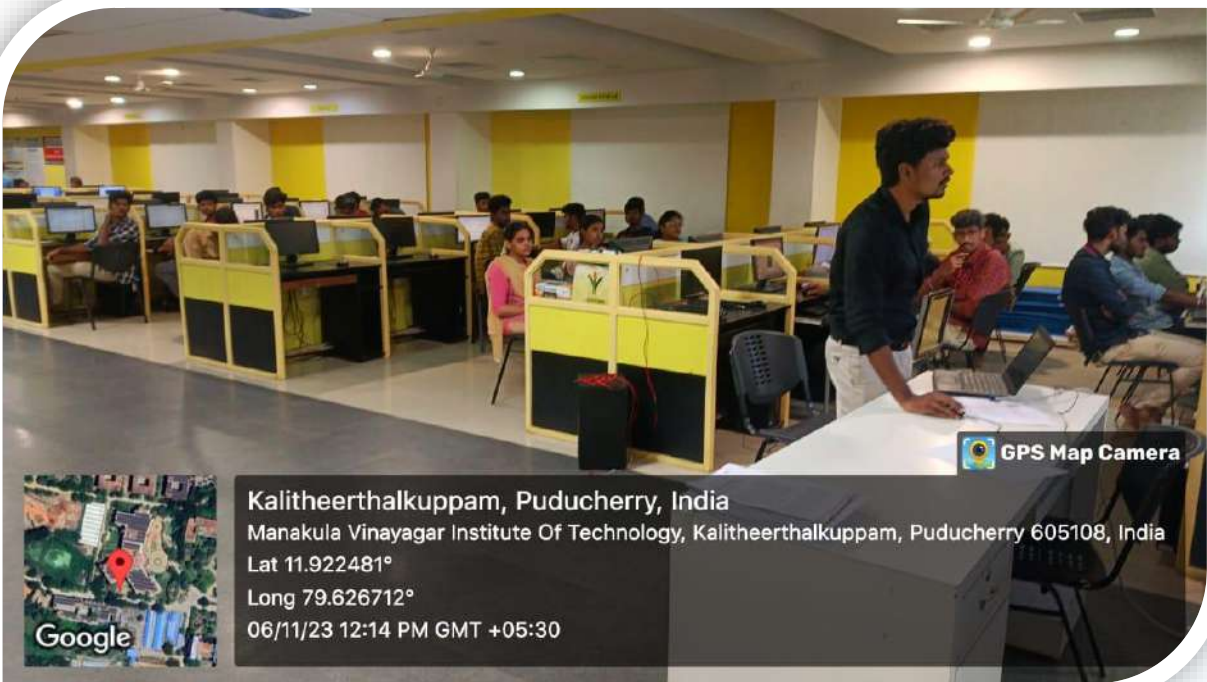


Vishvaa, III Year IT Student has participated in 14th Indian national championship 2023, conducted by Indian Memory Sports Council, in the adult category held on 1st October 2023 in Bengaluru, India

DEPARTMENT ACTIVITIES



Our Department organized Workshop on “Python” for II & III Year IT students by Mr.E.Vijay, TCS, Chennai. On 15.09.2023.



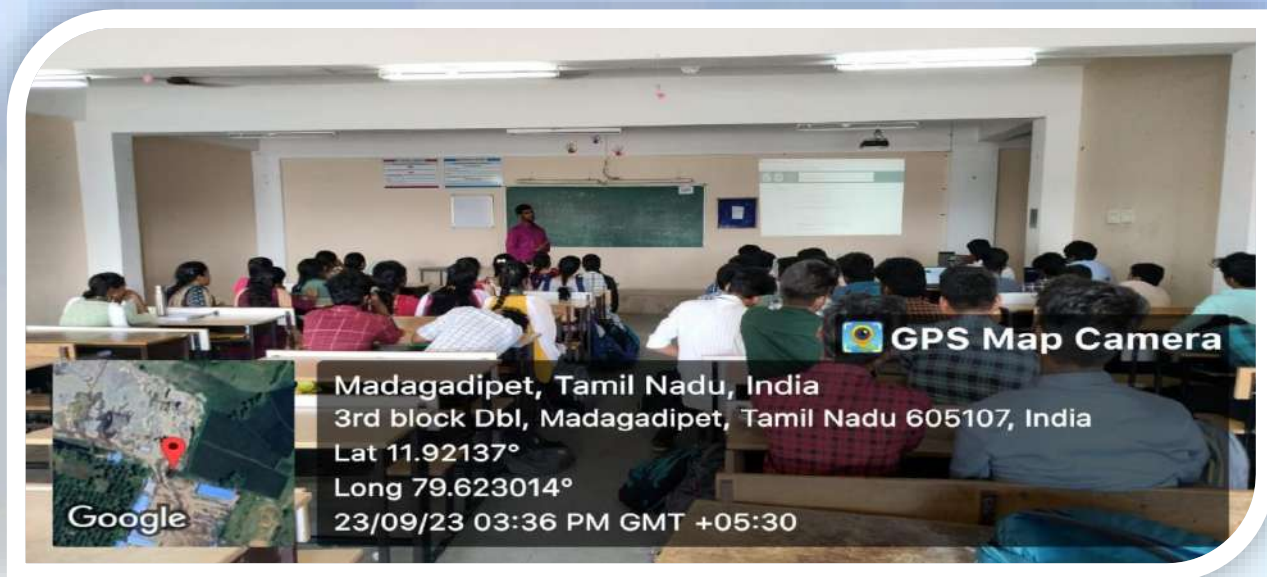
Our department organized Workshop on “Software Testing using Selenium Tool under MoU Activities” for IV Year IT students by Mr.C.Monish, Automation Test Engineer, Pantech E-learning, Chennai on 06.11.2023



Our Department organized Workshop on “Machine Learning concepts and application” for III Year IT students by Dr.S.SivaSathya,Dean, School of Engineering and Technology ,Pondicherry University on 24.11.2023



Our department organized Guest Lecture on “Processor Performance in Robotics” for II Year IT students by Dr.B. Ezhilavan, Founder & CEO, VEI Technologies Pvt Ltd, Chennai on 22.09.2023.



Our Department organized Guest Lecture on “Internet of Things Using Raspberry Pi and Arduino” for II Year IT Students by Mr. M. Mugesh, Software Developer & Trainer, VEI Technologies Pvt Ltd, Chennai on 23.09.2023.



Our Department organized Guest Lecture on “How to do the research Project under MoU Activities” for IV-year IT students by Mr.Uthayakumar, Genysis Academy, Puducherry on 29.09.2023



Our Department organized Guest Lecture on “RTOS-ML & AI Integration” for III Year IT students by Mr.M.SriRam,Senior Testing Engineer, Syncfusion software private LTD, Chennai on 07.10.2023



Our Department organized Workshop on Research Methodologies - Big Data and Machine Learning in computer science research: analyzing complex data on 28.10.2023



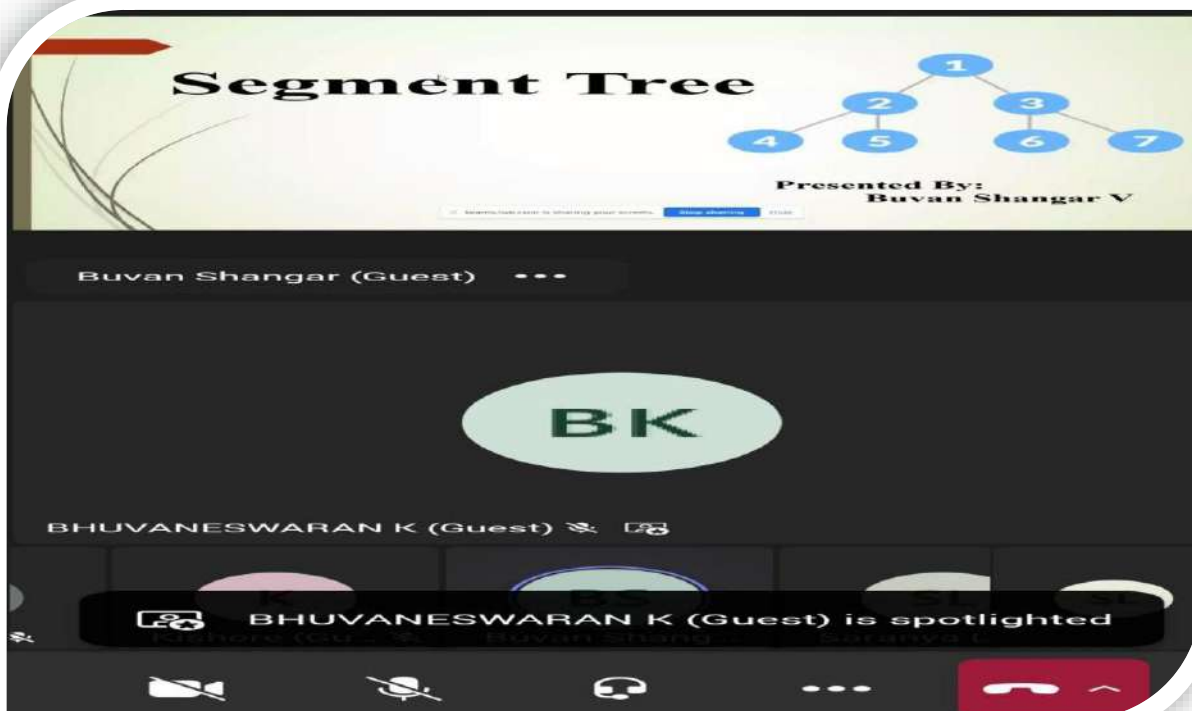
Our Department organized Programme on Dare to dream, Dare to start: A journey to entrepreneurial Greatness for II Year students by Dr. S. Vaidheeswaran, AP/MBA Dept, MVIT on 30.11.2023



Our Department organized PDP on SDG Clean Water and Sanitization by R.Rajalakshmi, AP/Civil Engineering for IV IT Students on 30th October 2023.



Our Department organized PDP on Advanced Excel by Dr.B.N.Sreeharan, Dept. of Mechanical Engg., Kumaraguru College of Technology, Coimbatore for all Teaching faculty on 12.08.2023



Our Department organized Online Guest Lecture on “Advanced Data Structures” for II Year IT students on 09.11.2023 by Mr.V.Buvan Shangar, Software Engineer, Sak Software Solutions, Pune.



The Institution of Engineers (India), Puducherry State Center under the aegis of Computer Science Engineering Division Board IE(I) in association with Department of Information Technology, Manakula Vinayagar institute of Technology, Puducherry 605107 organized one day Workshop on “Machine Learning Concepts and Applications” on Friday, 24th November 2023.



Our Department III Year Students Undergone Industrial Visit to UST, Kochin, on 03rd and 4th November 2023.



Our Department III Year Students Undergone Industrial Visit to Kerala Electrical and Allied Engineering, on 03rd and 4th November 2023



Our Department Faculty Ms.L.Yuvapriya,AP/IT has handled Special lecture on “Introduction to 5G Technologies” IV Year IT A&B students on 06.09.2023.



Our Department Faculty Mrs.S.Saranya, AP/IT has handled Special Lecture On “ADVANCED DATA STRUCTURES(K-Dimensional Set)” for II Year IT A Sec students on 11.09.2023.



Our Department Faculty Dr. P. Sivakumar, Professor/Head of IT Department has handled Special lecture on “Multi-processors Operating Systems” III Year IT A students on 16.09.2023



Our Department Faculty MS.A. Punitha,AP/IT has handled Special Lecture on “JFLAP Automata Tool” for III Year IT B students on 23.09.2023.



Our Department Faculty MS.A. Punitha,AP/IT has handled Special Lecture on “JFLAP Automata Tool” for III Year IT A students on 30.09.2023.



Our Department Faculty MS.C. Kavitha,AP/IT has handled Special Lecture on “Software Engineering in Life cycle models on Agile Methodologies” for III Year IT students on 04.10.2023



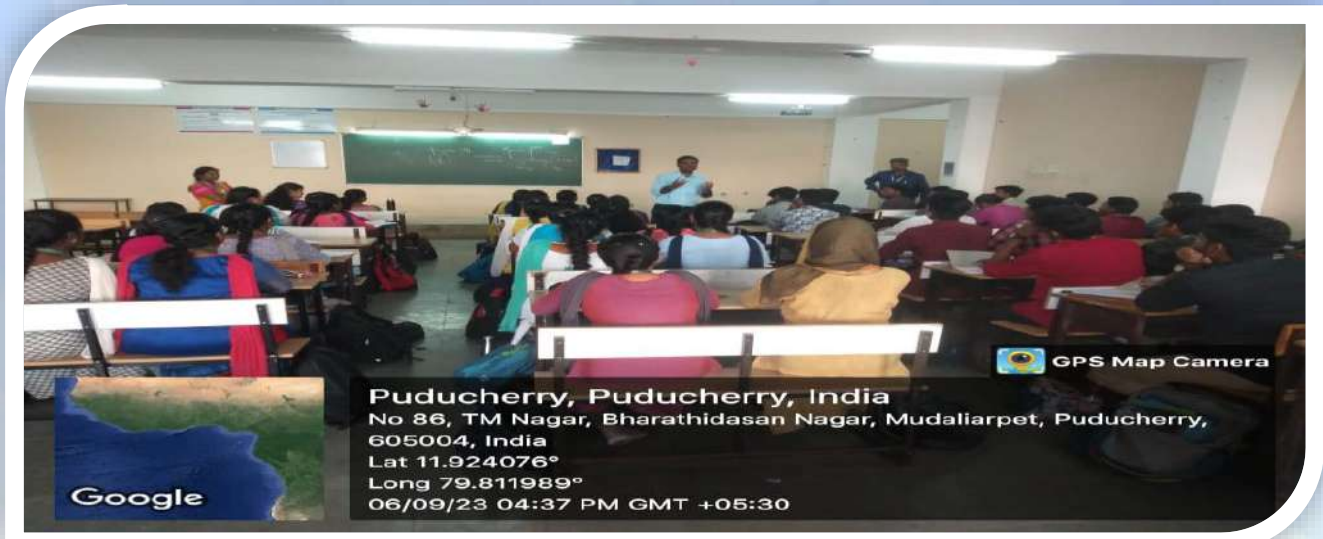
Our Department Faculty Ms.S.Gayathiri,AP/IT has handled Special lecture on “Operating System in Introduction to various system calls” III Year IT B students on 06.10.2023



Our Department Faculty Dr.A.Meiappane,Professor/IT has handled Special lecture on “Modern Computer Organization & Architecture” II Year IT A&B students on 06.10.2023



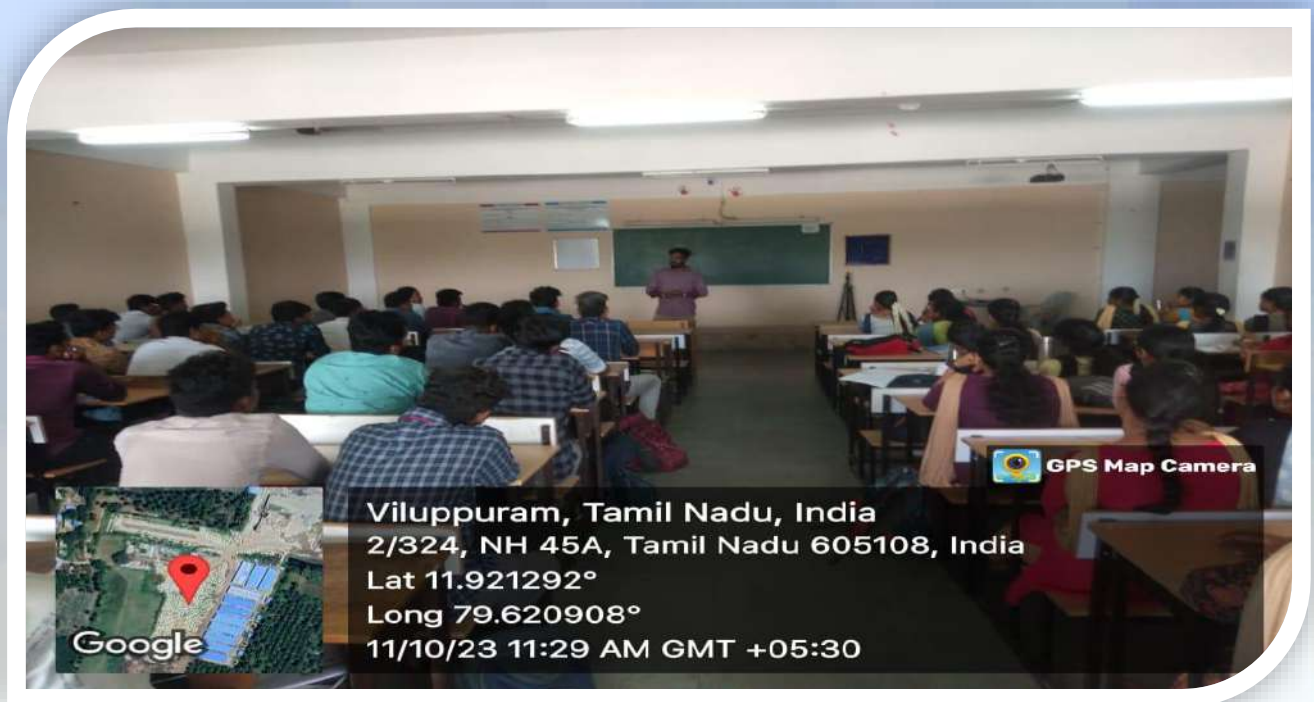
Our Department Faculty Mr.S.Uthayashangar AP/IT has handled Special lecture on “Text Steganography in Cryptography” IV Year IT A&B students on 05.12.2023



Our department conducted Alumni Talk titled Placement Awareness and SIH Awareness by our Alumni. Mr.V.Dharanidharan, Tech Specialist, Brillio Technologies, Bengaluru interacted with our Third year & Final year IT Students about his company experience on 6th September 2023



Our department conducted Alumni Talk titled recent trends in IT field by our Alumni. Ms.Alexia, Software Developer, HCL Technologies, Chennai for second year IT Students on 16th September 2023.



Our department conducted Alumni Talk titled Placement awareness by our Alumni. Mr. Abinash, Sutherland Global Services, Chennai for IV year IT Students on 11th October 2023

STAFF ACHIEVEMENTS



Dr.P.Sivakumar , Prof/IT received active SPOC Appreciation certificate from SWAYAM – NPTEL, IIT-Madras consistently for 6 years (from 2017 to 2023)and also completed 11 NPTEL certificate Courses with one Gold Medal.



Dr.Suresh Chander Pal Memorial Award For the Year 2023 - Dr.A.Meiappane, Professor/IT has been Awarded by IEEE ADSF Madras section on 31.12.2023.



Ms.S.Saranya, AP/IT has successfully completed Program on .Net Full Stack organized by Talent Next, Wipro on 27th Nov 2023 to 15th Dec 2023.

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KALITHEERTHALKUPPAM , PUDUCHERRY-605107



CERTIFICATE OF APPRECIATION

THIS IS TO CERTIFY THAT

Dr. P. Sivakumar Prof & HOD/IT.

has demonstrated exemplary dedication and commitment in effectively handling Universal Human Values for the first-year students (2023-24) of Manakula Vinayagar Institute of Technology, Puducherry. In recognition of their outstanding contributions towards nurturing the moral and ethical values of our students, we express our heartfelt appreciation and gratitude.



Dr. S. Malarkkan
Principal

Our Department Faculty Dr.P.Sivakumar, Prof&HOD/IT has handled Universal Human Values for first year students of MVIT, Puducherry.

EDITORIAL BOARD MEMBERS:

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- PRAVIN.K III/IT
- PRAVEEN.M II/IT

Department of Information Technology

