



MANAKULA VINAYAGAR INSTITUTE OF TECHNOLOGY

Kalitheerthal Kuppam, Puducherry - 605107

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



DEPARTMENT OF INFORMATION TECHNOLOGY

NEWS LETTER

**2024-2025
(ODD)**
Volume 15



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



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Dr. S Malarkkan Principal, MVIT

Our 'Manakula Vinayagar Institute of Technology', one of the Top 3 Engineering Colleges in Puducherry, stands as a beacon of academic excellence and innovation in the realm of Engineering education. Guided by our unwavering commitment to quality, integrity, and holistic development, we have consistently endeavoured to nurture future leaders and technocrats who are equipped to tackle the challenges of tomorrow. I wish you all a successful and rewarding academic year ahead, filled with endless possibilities and boundless opportunities for growth, learning and personal development leading to the overall development of the Society.

Welcome Message



Dr. P. Sivakumar, M.E., Ph.D.

Professor and Head, Department of Information Technology

The Department of Information Technology (IT) has consistently advanced in both teaching and research & development since its inception. Established in 2008 with an initial intake of 60 students, the department expanded its sanctioned intake to 120 in the year 2012. It is accredited by the National Board of Accreditation (NBA), AICTE, New Delhi. The department is committed to shaping future technocrats with strong technical expertise, integrity, and a passion for innovation, preparing them for a broad spectrum of careers in the IT industry. Students of the department have successfully executed a variety of innovative projects in domains such as Artificial Intelligence, Internet of Things (IoT), Machine Learning, Deep learning, blockchain Technology and Cloud Computing. Many of our graduates have secured placements in top-tier IT companies including TCS, Virtusa, ZOHO, Kaar Technologies, CTS, Infosys and Wipro.



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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.



NEWS LETTER



Value added course was conducted for II-year IT 'A' Sec students by VEI technology – Puducherry. 55 students of II year –IT “A” participated in the course which was scheduled from 3.7.24 to 5.7.24.



Workshop on Back end Development –DJANGO was conducted for II-Yr IT students by DATANERDZ.AI from 26.7.24 to 27.7.24 and 57 students of II-IT-‘A’ sec participated and made use of the course.



Our department II-IT A section 55 students underwent two days back end development training in DJANGO from 26.7.24 to 27.7.24.



Our Department students M.Praveen participated in the SHIKSHA ACTIVITIES FOR YOUTH –“Development of technical education in Government schools”



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Our Department II year IT student M.Praveen, V Kishore , R Balarajesh , A Sanjai , G Sachin , J Rogulnath participated in the Marathon on 28.7.24 held at Puducherry. Awareness on Say no to drugs –Marathon.



Guest Lecture on “Quality Standards in Cyber Security: Protecting Information with Precision” conducted for III IT students by Mr.S.Sudhakaran, Cyber Security Trainer and Full stack Developer, VEI Technologies, Chennai on 10.08.2024.



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Our Department Student Praveen M presented Technological improvement in Government Schools as Pre Independence Day celebration event on 14.8.24.



An Awareness programme on Blood Cancer and Stem Cell Donor Life Saving Act was organised by NSS and Our department II year IT students participated in the programme on 21.8.24.



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Our Department Student Praveen M ,Balarajesh R , Kishoare V,Jawagar N,Rogulnathe J have won special prize in video editing contest organised by NSS and SHIKSHAGRAHA on 22.8.24.for Development of Rural schools.



Our Department organized a Guest lecture on “Generative AI: The Next Frontier in Artificial Intelligence” our Second IT Students participated in the programme Resource person: Mr.Achintya Singh, Flutter Developer,Bangalore on 28.08.2024.



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An Internal Workshop on “Advanced Java Programming- Database programming with JDBC” by Mrs.J.Prabavadhi, AP/IT and Ms.R.Dhamayanthi, AP/IT on 29.08.2024.



Guest Lecture on Animation and Gaming using 3D software's.on 04/09/24 by IMAGE IT Solution Pudhucherry.



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Online Guest Lecture on “Advanced Quality Management in Cloud Computing” by Mr.V.Dharanidharan, Technical Specialist, Brillio Technologies, Bangalore Second Year IT Students on 09.09.2024.



Cognitive Skill Development in Memory enhancement by Master VISHVAA Final IT was organised for II- IT Students on 03.10.24



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An Awareness programme about “Study Abroad” was organised for II Year IT students by the CGC of our Institution on 7.11.24.



Our II Year IT students visited COMMUSOFT 2, DLF IT Park Rd, Manapakkam, Chennai, and Tamil Nadu 600125 on 9.11.24.



A Workshop and Internship training was conducted for II-IT Students on IoT Fundamentals: Bridging Devices and Data from 09.12.24 to 17.12.24



Value added course was conducted for II-year IT students by our college Centre of Excellence. 57 students of II year –IT participated in the course which was scheduled from 18.12.24 to 24.12.24



**Our Department has organized Internal Workshop for III year IT students.
Total 121 students attended the Internal Workshop
“Introduction to Operating system” by Mr.S.Uthayashangar AP/IT, at
Manakula Vinayagar Institute of Technology on 29.06.2024**



**Our Department III year B Students A.Mohan Raj, Mohana Krishnan,
V.Viswaha have participated in open hackathon competition (online) conducted by
CODE SLUSH (Devfolio).
PROJECT TITLE: Let me Chat (An Integrated application)
from 18.07.24 to 21.07.2024**



Our Department III year IT students attended a guest lecture “How the industry uses AI/ML to Build Products using large scale Distributed system & Interview tips” in Manakula Vinayagar Institute Of Technology on 1.08.2024



Our Department III year IT students attended a Guest Lecture on “Machine Learning And Graph Analysis” Program by Mr. Brainard Samuel in Manakula Vinayagar Institute Of Technology on 10.08.2024



Our Department III year students attended a Guest Lecture “Master Class On Data Science And AI” Program by Mr.Praveen Kumar in Manakula Vinayagar Institute Of Technology on 10.08.2024



Our Department III year students attended a Guest Lecture “MongoDB” program by Ms. C. Ilamathi, Asst. Manager & Tech Lead, DATANERDZ.AI, Pondy and Mr. K.Prasanna Ganesh, TCS – Full Stack Developer, Chennai. has delivered a Lecture on 26.08.2024



Students Participation in various Events at Other Colleges



Our Department III year IT-B Nithiyashree.S participated in “KALAINGAR’s Centenary celebration Speech Competition”. This program was held at Kamban Kalaiarangam in Puducherry on 26.08.2024



Our Department III year IT-B students Abinaya Vaitilingam.B, Kaviya.K , Mohanraj.A, Thaiyalnayagi.V participated in the HR meeting. This program held at Alpha School in Puducherry on 24.08.2024



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Our Department III year students attended” சுதந்திர தின சிறப்பு கருத்தரங்கம்” “விடுதலை வரலாறும் வெற்றிச்சுவடுகளும்”

Program by

“ஆகாஷ்வாணி புதுச்சேரி வானொலி நிலையம்” at

Manakula Vinayagar Institute Of Technology on 12.08.2024



Our Department III year IT students attended programme on “Blood Cancer Awareness” in Manakula Vinayagar Institute Of Technology on 21.08.2024



Our Department III year IT students attended the programme on “ Career Opportunities after GATE-2025” This session was handled by Mr.Kaushik, ACE Engineering Academy,Chennai. The program was held at Manakula Vinayagar Institute Of Technology on 23.08.2024.



Our Department III year IT-B Abinaya Vaitilingam.B has participated in “YOUTH TALK”, on 14.08.2024



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Our Department III year IT-B Students Shreenidhi.S, Suvedha.T, Travidraj.A participated and got 3rd prize in “Poster Presentation” Conducted by Department Of Food Technology. This program was held at Manakula Vinayagar Institute Of Technology on 30.08.2024



Our Department III year IT-B Student Mohanraj.A participated and got 1st prize in “Poster Presentation” conducted by Department Of Food Technology. This program was held at Manakula Vinayagar Institute Of Technology on 30.08.2024



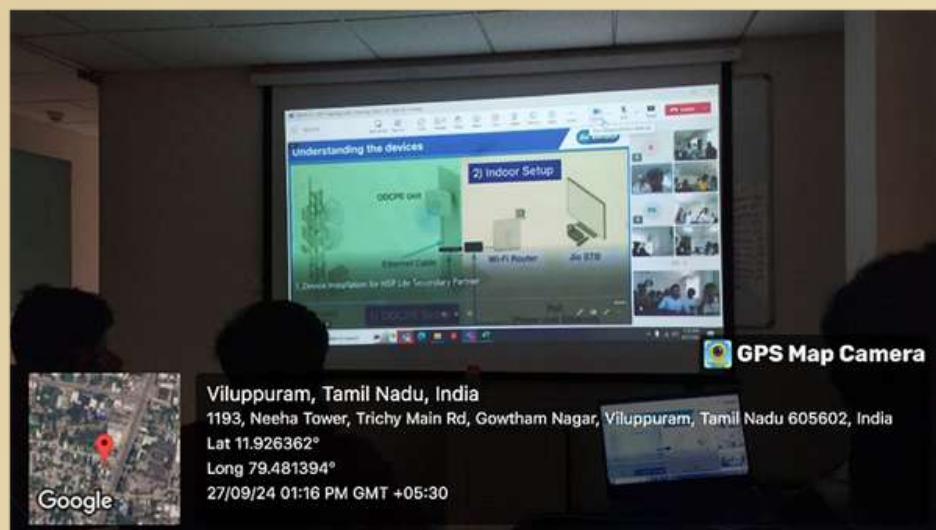
Our Department III year IT-B Students Abinaya Vaitilingam.B, Kaviya.K, Mohanraj.A, Thaiyalnayagi.V participated in the HR meeting. This program held at Alpha School in Puducherry on 24.08.2024



Our Department III year IT-B students participated in “INNOVATORS DAY” held at Sri Manakula Vinayagar Engineering College-Puducherry on 13.09.2024



Our Department III year IT-B Students Arjun.B, Pravin.K,Kaviarasan.P,Mohan Raj.A,Vishva.V participated in “CODE N”SURGE, at the National Level Hackathon”on Full Stack Web Development. This program held at SIMATS ENGINEERING COLLEGE in Kuthambakkam Tamil Nadu on 24.09.2024



Our Department III year IT-B Students Aravind.R, Kameshwaran.S participated in the “RELIANCE JIO FREELANCER TECHNICIANS”. This program was held at Jio office in Villpuram on 27.09.2024



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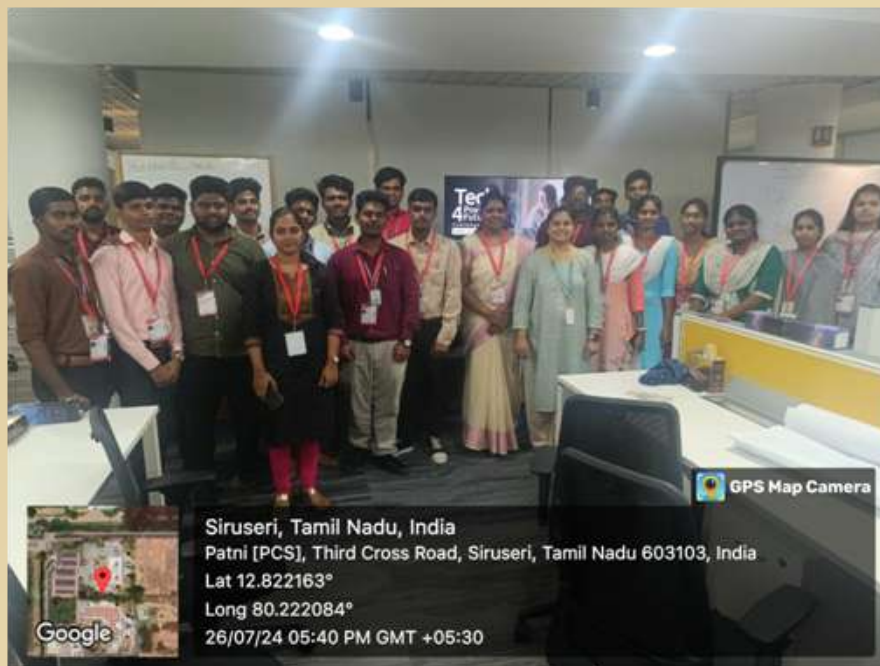
Our Department III year IT-B Students Mohanraj.A, Saravanan.S participated in EDP CELL .This program held at Manakula Vinayagar Institute Of Technology on 25.09.2024.



Our Department III year IT-B Students Mohanraj.A, Saravanan.S participated in the EDP CELL programme.This program was held at Manakula Vinayagar Institute Of Technology on 25.09.2024.



**IV Year IT Students Visited
eSales Technologies
Thavalakuppam, Puducherry on
27.06.2024.**



**Our Department IV year A, Students Aswin.N.C,
Bharanidharan.V, Naveen.B has participated in Tech 4
Sustainable Futures (Youth Voices) conducted by Capgemini,
Chennai on 26.07.2024.**



Our Department IV year A Student Vishvaa. R won Maharashtra Open Memory Championships on July'24.



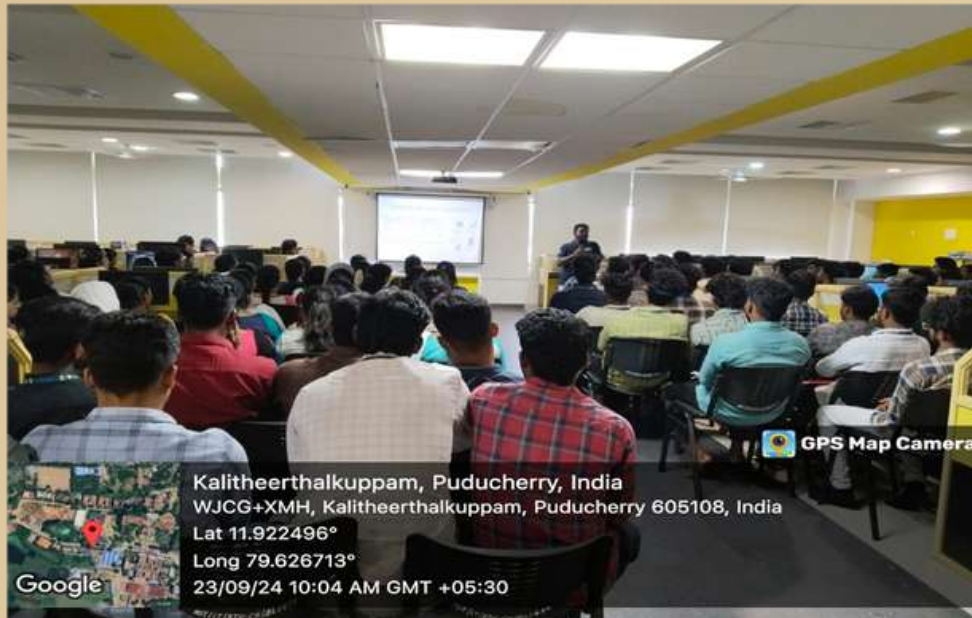
Our Department & Career Guidance Cell organised an Awareness Session on “Opportunities abroad for Engineering Graduates” for all IV year students on 26.07.2024, session was delivered by Mrs. Devi Priya, Founder & Director, Sree Ramanujar Intellect Services (SRIS), Puducherry.



**IT Department has Organized School Program SDG 4
- Quality Education: “Awareness program on equitable
quality education and promote lifelong learning
opportunities for all” at Sri SankarsVidhyalaya School,
Villianur at on 03.08.2024.**



**Yashwini, Rishitha, Harini, Balan, Yogeshwaran, Balan,
Baluprakash have presented Project SDG 4 - Quality
Education: “Awareness program on equitable quality
education and promote lifelong learning opportunities for
all” Sri SankarsVidhyalaya School, Villianur on
03.08.2024.**



Our Department IV year B Students conducted one day workshop on Data Analytics using R Language by Mr.M.Mugesh(Software Developer and Trainer) from VEI Technologies.



Our Department IV year IT B Student Yashwini Sai.M.A has participated in the Youth Talk regional pre-finals organized at MVIT.



Mr.Praveen Kumar Sr.Trainer,Boston Institute Of Analytics delivered an Guest Lecture on Master Class On Data Science and AI on 10/08/2024 to III Year IT students



Akashavani in collaboration with Manakula Vinayagar Institute of Technology conducted an seminar on “Viduthalai Veerargalum Vetri Suvadugalum” on 12/08/2024

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Ms.C.Ilamathi and K.Prasanna Ganesh from DataNerdz.Ai delivered an Guest Lecture on Mongo DB for III Year IT students on 26/08/2024



Mr.Achintya Singh Flutter Developer delivered an One Day Guest Lecture on Generative AI: The Next Frontier In Artificial Intelligence for III Year IT students on 28/08/2024



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One Day Workshop on Oracle by Mrs.Gokila Prabha on 29.08.2024 for III-Year IT Students



**Devesh.A of III year IT delivered an speech about Git
Hub on 29/07/2024**



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“Industrial Visit” -II- IT ‘B’ students visited “Ladera Technology” at 2, DLF IT Park Rd, Manapakkam, Chennai, Tamil Nadu 600125.



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