



MANAKULA VINAYAGAR

INSTITUTE OF TECHNOLOGY



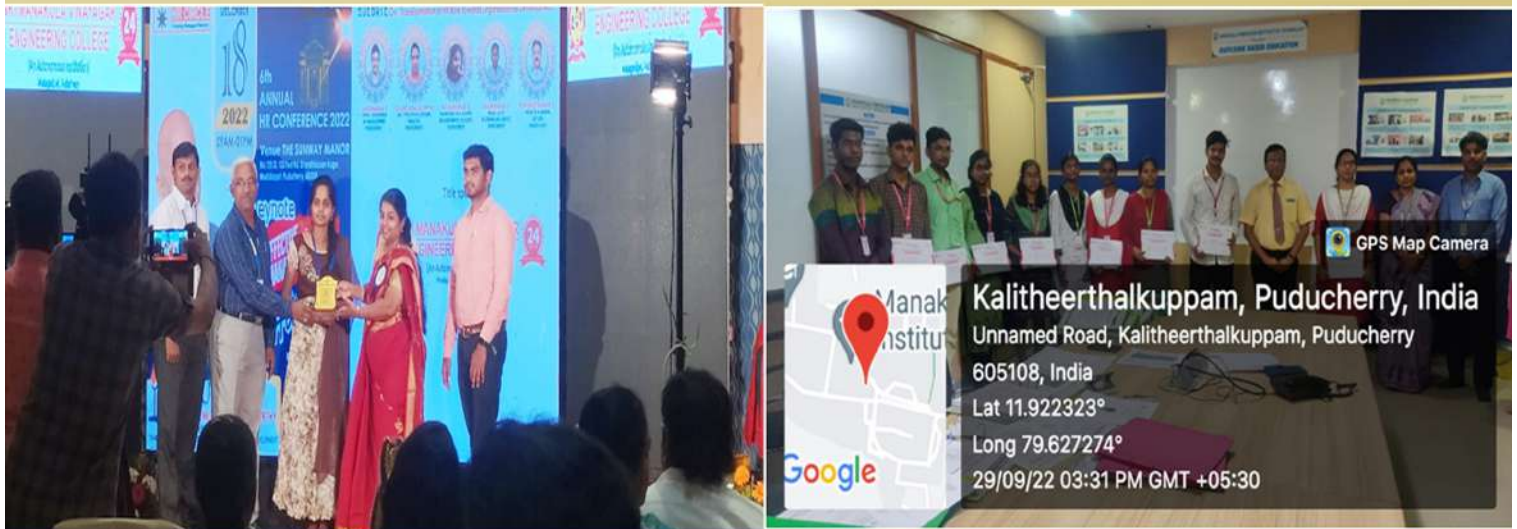
Kalitheerthal Kuppam, Puducherry - 605107

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



NEWS LETTER
2022-2023(ODD)
Volume 10

DEPARTMENT OF INFORMATION TECHNOLOGY



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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DEPARTMENT OF INFORMATION TECHNOLOGY

INSTITUTE VISION	DEPARTMENT VISION
To be a globally reputed Technical Institution creating Competent leaders and Skillful innovators in Science, Technology and Management.	To transform the individuals into globally proficient Information Technologists, to meet the challenges of the evolving society.
INSTITUTE MISSION	DEPARTMENT MISSION
M1: Providing a dynamic and creative learning environment for its students to acquire exemplary technical, analytical, professional skills.	DM1: Higher Order Thinking -To provide quality education in both theoretical and practical aspects in the field of Information Technology.
M2: Imbibing a spirit of innovation and research among its students and faculty for solving critical problems.	DM2: Competency - To equip the students to cater the industrial demands through providing advance training.
M3: Promoting Innovation, Employability and entrepreneurship skills through industry academia collaboration.	DM3: Continuous Learning - To encourage and guide the students to participate in research-oriented activities and pursue higher education.
M4: Serving the society through technical intervention and creating socially responsible Professionals.	DM4: Entrepreneurship - To inculcate the spirit of entrepreneurship among students to serve the nation.

Program Educational Objectives	
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.



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

DEPARTMENT OF INFORMATION TECHNOLOGY



MESSAGE FROM PRINCIPAL

Dear Students,

My heartiest welcome to all the young and budding Engineers who have joined in Manakula Vinayagar Institute of Technology (MVIT). 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 well disciplined.

The Manakula Vinayagar Institute of Technology will strive hard to provide pleasant ambience and conducive atmosphere for moulding 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 clubs and societies instituted to augment the students skills and knowledge.

A state-of-the-art and up-to-date infrastructure facilities and good learning atmosphere are the hallmarks of our Institution. I hope all the students admitted in this Institution will enjoy their study in the campus. Let us all come together, build together, and achieve together with the blessings of Almighty for Tomorrow's India.

With regards

Dr.S.Malarkkan Principal, MVIT



MESSAGE FROM HOD

I am very happy to see our IT department newsletter 2022-23 being published with the combined efforts of our department faculty members as well as students. Let us set ourselves goals to reach new heights in this academic year. The department is focused to provide

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

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

With regards

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

DEPARTMENT OF INFORMATION TECHNOLOGY

NEWS LETTER 2022-2023

STUDENTS ACTIVITIES

- *Paper Presentation*
- *Inter Collegiate Competition*
- *Mini Project*

DEPARTMENTAL ACTIVITIES

- *Project Expo*
- *Guest Lecture*
- *Special Lecture*
- *Orientation Program*
- *Workshop*
- *Alumni Programme*
- *Internship*
- *Industrial Visit*
- *Department Alumni Seminar*
- *Placement*

STAFF ACHIEVEMENTS

- *Staff Development Program*
- *Personality development Program*
- *Patent filling*
- *Publication*

DEPARTMENT OF INFORMATION TECHNOLOGY 2022-2023

AWARD AND ACHIEVEMENT

INTER COLLEGIATE COMPETITION

– Our department students participated in various Competition and won prizes

**IV Year Students
R.Priyadharshini
has won
First Prize in
Debugging Contest
at
All India Inter
collegiate cultural**



**S.Pravin Kumar,
IV- IT Student, has
won 1st prize with
cash award of Rs
50,000/- in
AMCATATHON –
Coding Contest -
Oculus Quest 2
Advanced AII-in-
One Virtual reality
headset, Organized
by AMCAT.**



DEPARTMENT OF INFORMATION TECHNOLOGY 2022-2023

AWARD AND ACHIEVEMENT

***Ms.Vandhana, III IT
Student (2019-23 Batch),
has received Active
participation certificate
in the VI Annual HR
Conference organized by
Puducherry HR Circle
held at the Sunway
Manor, Pondicherry on
18th December 2022***



***R.Sandhiya, Yazhini,
Sivasankari.B, Anuncia
Mary.A have won
III Prize in Technovation
Project Contest
titled "Detection of
Artificially Moulded
Fingerprint" At
Mailam Engineering
College
on 17.11.2022***



***Devi, Lavanya & Akshaya final
IT students Participated in Youth talk
Program organized by ICT Academy
on 27th September 2022.***



DEPARTMENT OF INFORMATION TECHNOLOGY 2022-2023

DEPARTMENT ACTIVITIES

Mini Project—EXPO 23'

*Our Department
Celebrated National
Technology week by
conducting Mini Project
Expo 2023 for III Year
Students on 13th June 2023*



Mini Project—EXPO 23'

*Our Department along with ICC, conducted Project Expo on
account of - National Technology Day Celebration - 2023 for III
Year Students on 16th June 2023*



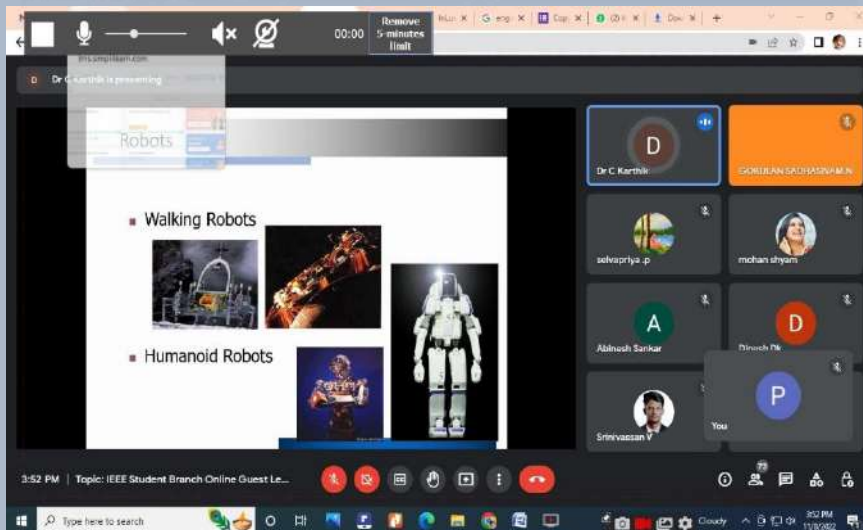
DEPARTMENT OF INFORMATION TECHNOLOGY

2022-2023

GUEST LECTURE --- 2022-2023



Our Department organized Guest Lecture Programme on "How to become an Entrepreneur" for II-year Students on 20th May 2023



Our Department organized an Online IEEE Guest Lecture Programme on "Artificial Intelligence & Robotics" for IV year Students on 8th October 2022.

Our Department has organized Online Guest Lecture Programme on "Android Development" for II-year Students on 01.12.2022



DEPARTMENT OF INFORMATION TECHNOLOGY 2022-2023

GUEST LECTURE --- 2022-2023



*Our Department has organized IIC Sponsored Guest Lecture Programme on
“Innovative Idea for Product Development” for IV Year Students on
28.10.2022*

ORIENTATION PROGRAM



*Our IT Department Head Dr.P.Sivakumar, has handled the UGC-AICTE- Orientation
Program on Universal Human Values in Education for I year IT Students from 28th October to 3rd
November 2022.*

DEPARTMENT OF INFORMATION TECHNOLOGY

2022-2023

SPECIAL LECTURE



Our Department Faculty A.Punitha delivered a Special Lecture on “JFLAP Automata Tool” for III year on 22.12.2022



Our Department Faculty Mr.S.UthayaShanagar delivered a Special Lecture on “Qualitative Risk Assessment” for IV-year Students on 23.12.2022.

DEPARTMENT OF INFORMATION TECHNOLOGY

2022-2023

WORKSHOP & TRAINING PROGRAMME



Our Department has organized CSI -Workshop on “Testing of Electronic Devices” for II Year Students on 17.10.2022 & 18.10.2022

DEPARTMENT OF INFORMATION TECHNOLOGY 2022-2023

WORKSHOP & TRAINING PROGRAMME

Our Department organized an Internship Training programme on “Java full Stack Development” for III Year Students from 19.9.2022 to 24.9.2022



Our Department organized Internal Workshop on “Linux Commands & Shell Programming” for III year Students on 29.9.2022



INDUSTRIAL VISIT



- *Our Department III Year Students has Undergone Industrial Visit to iROID Technologies and TECHBYHEART Private Limited, Cochin, Kerala on 25.11.22 and 26.11.2022.*
- *Our Department II Year Students has Undergone Industrial Visit to KGISL Technology*

DEPARTMENT OF INFORMATION TECHNOLOGY

2022-2023

Toppers List --2022-23

IV Year IT A – 2019-23

S. No	Register Number	Student Name	CGPA
1	19TH0434	Kalyani Varshini. B	9.6
2	19TH0422	Gajalakshmi R	9.44
3	19TH0453	Nanthini.N	9.44
4	19TH0440	Lavanya.S	9.41
5	19TH0412	Devi.P	9.36
6	19TH0411	Bharathi.P	9.34
7	19TH0479	Suruthi.S	9.27
8	19TH0433	Kalaivani. M	9.2
9	19TH0421	Ezhilaraci N	9.19
10	19TH0437	Keerthana.S	9.08

IV Year IT B – 2019-23

S. No	Register Number	Student Name	CGPA
1	19TH0446	Mirunalinidevi.N	9.65
2	19TH0483	Vandhana .K	9.36
3	19TH0418	Divyadharshini.S A	9.15
4	19TH0402	Aashifa.S	9.09
5	19TH0465	Selvapriya.P	8.95
6	19TH0468	Sharmila.M	8.94
7	19TH0469	Sneha.U	8.88
8	19TH0416	Dheepasri .G	8.79
9	19TH0428	Gunaselan S	8.78
10	19TH0472	Subashini.G	8.74

DEPARTMENT OF INFORMATION TECHNOLOGY

2022-2023

INDUSTRY COLLABORATIONS

MOU Signed

 MANAKULA VINAYAGAR INSTITUTE OF TECHNOLOGY Affiliated to Pondicherry University. Accredited by NBA, New Delhi and NAAC with 'A' grade Kalitheerthai Kuppam, Puducherry - 605107  		
DEPARTMENT OF INFORMATION TECHNOLOGY		
MOU SIGNED		
 Why Global Services, Chennai	 Pantech e Learning DIGITAL LEARNING SIMPLIFIED Pantech e Learning Technologies	 GENESYS ACADEMY OF COMPUTER SCIENCE Learn Life Technology Education Genesys Academy
 VEI Technologies, Chennai	 Ridsys EXPLORING THE DIGITAL WORLD Ridsys Tech. Pvt. Ltd	 Cherri Technologies Push for business Cherri Technologies
 RAJA ELECTRONICS Raja Electronics	 ASKAN TECHNOLOGIES Askan Technologies	 Ocean Academy

Professional Member-Bodies

Name of the Professional society	Membership Details (Class/No of Students)
CSI	IV Year IT : 88 III Year IT : 93 II Year : 120
ISTE	ALL Students : 300 Faculty : 10
IEI -IT	IV Year IT : 88 III Year IT : 93 Faculty: 1

DEPARTMENT OF INFORMATION TECHNOLOGY 2022-2023

Total number of Industrial Visits: 04 Companies

1. iROIDTechnologies ,Cochin, Kerala
2. TECHBYHEART Private Limited, Cochin, Kerala
3. KGISL Technology , Coimbatore
4. Gate way Solutions, Coimbatore

Total number of Internships : 02 Companies, 4 Students

- KAAR Technologies, Chennai - S.A Divyadharshini -IV IT
- ZOHO Corporate, Chennai -G.Dheepasri, K.Vandhana,
N.Nandhini-IV IT

MoU Signed : 02 Companies

1. Askan Technologies, Puducherry
2. Why Golbal Services, Chennai



DEPARTMENT OF INFORMATION TECHNOLOGY 2022-2023

Faculty Research Activities – 2022-23



Dr.Meiyappan received the Best Nodal Officer Award by Election Department in National Voters day on 25.01.2022.

Ms.J.Prabavadhi, AP/IT is certified in the Advanced Technology Program on Bigdata, organized by Talent Next, Wipro on 12th Dec to 16th Dec 2022

Mr.S.Uthayashangar, AP/IT is certified in Cyber Security organised by the “Train the Trainer Program” conducted by ICT Academy on 14th - 18th Nov 2022.



DEPARTMENT OF INFORMATION TECHNOLOGY

2022-2023

IT- Faculty Paper Publications & Special Course – 2022-23

S.No	Name of the Author	Title of the Article	Name of the Conference/ Journal	ISSN No/ Page No	Year
1	A.Punitha	Automated climate prediction using pelican optimization-based hybrid deep belief network for Smart Agriculture	Journal of Measurement : Sensors	100714	2023
2	G.Nandakumar	Performance evaluation of Deep learning technique for lung cancer prediction	Journal of Soft Computing	9191–9198 (2023)	2023
3	Dr.M.Suresh, AP/IT	“Artificial Intelligence and Machine Learning”	Veda Publisher, Chennai	ISSN Number - 978-93-91930-26-4	2022
4	K.Vijiyakumar	Hybridization of Deep Convolutional Neural Network for Underwater Object Detection and Tracking Model in Microprocessor and Microcontroller Indexed in Elsevier & SCI	Volume 94	Article:104628	2022

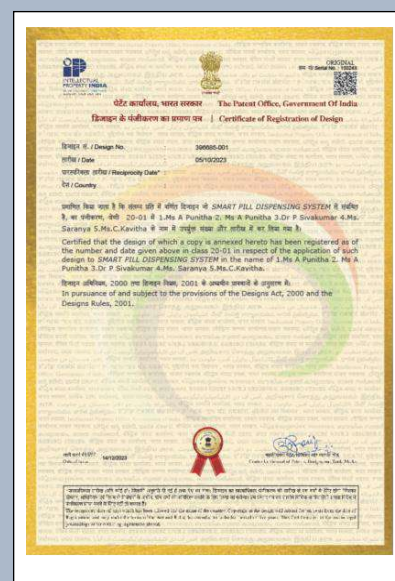
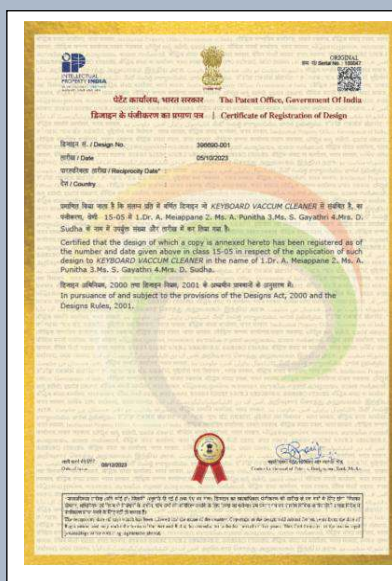
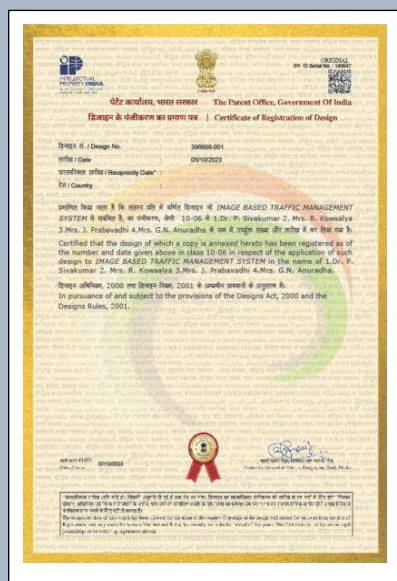
- Dr.P. Sivakumar, has successfully completed the crash Course on Python, authorized by Google offered through Coursera on 17th October 2022.

- Mr.P.Mathivanan underwent Innovation Ambassador (IA) training “Advanced Level” (Tata 15 Sessions of 30 Contact Hours) Conducted in online mode by MoE’s Innovation Cell & AICTE during the IIC on 20th August 2022.

DEPARTMENT OF INFORMATION TECHNOLOGY 2022-2023

IT- Faculty Patents – 2022-23

Patent details	Application No. & Date of Registration	Pattern (Design /Product	Status (Awarded / Filed)
Ms A Punitha	Smart Pill Dispensing System	396685-001 05/10/2023	Design GRANTED
Dr P Sivakumar	Image Based Traffic Management System	396688-001 05/10/2023	Design GRANTED
Ms S Gayathri	Portable Barrier For Restricted Entry	396689-001 05/10/2023	Design Filed
Dr A Meiappane	Keyboard Vacuum Cleaner	396690-001 05/10/2023	Design GRANTED
Mrs J Prabavathi	Portable Air Blower	396691-001 05/10/2023	Design Filed
Dr P Sivakumar Mr.Premkumar	Pressure cooker Whistle Counting Device	347154-001	Product Submitted



DEPARTMENT OF INFORMATION TECHNOLOGY 2022-2023

IT Dept. 2019-2023 BATCH STUDENTS



EDITORIAL BOARD MEMBERS:

➤ CHIEF EDITOR :

Dr. P. Sivakumar, Prof & HOD/IT

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- Mrs. A. Punitha, AP/IT***

➤ STUDENTS MEMBER

- Harishankar IV/IT***
- R.Parthiban, IV/IT***
- G.Prasanna, IV/IT***

Department of Information Technology



★ Educate

★ Empower

★ Excel