



MANAKULA VINAYAGAR

INSTITUTE OF TECHNOLOGY

Kalitheerthallupam, Puducherry - 605 107



DEPARTMENT OF INFORMATION TECHNOLOGY

IT-Xtra
in addition...

MAGAZINE
2022 - 2023 **Volume 8**



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

PRINCIPAL MESSAGE



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.

THE DEPARTMENT OF INFORMATION TECHNOLOGY

About the Department

The Department of Information Technology was established in the year 2008 with the objective of imparting knowledge in cutting-edge technologies in Information Technology. Department was started with an intake of 60 students in 2008; the sanctioned intake was increased to 120 seats in the year 2012. The Department was accredited by NBA, New Delhi. The Department has a team of dynamic, young and dedicated staff, with specialization in wide array of areas.



The Department has well-equipped labs, which include 124 computer systems with the latest configurations and 1.2 Gbps Internet access that are vital to train the students in both software and hardware. The Department always strives to reach the latest technology and advancement in this field to the young learners as well as aspirants by inviting the corporate legends and experienced academicians to enlighten the Information Technology community of our institution.

The department supports the self-learning capability of the students through its rich computing facility to take up online courses and department library which has more than 450 volumes of book. To enhance the technical skills of the students, the department also organizes various program such Guest Lecture, Workshop, Special Lecture, Value-added courses, participative learning, experiential learning, Project Expos and other co-curricular activities which would make them globally competitive.

Scope of IT:

B. Tech (IT) engineering is a popular domain chosen by the engineering aspirants to pursue a promising career. Students studying Information Technology course will be equipped with both theoretical knowledge and skills that will help them succeed in the Information Technology fields. IT Specialists are required in almost all ranges of employment fields such as finance, arts, medicine, defence and other areas. Many opportunities are available in various IT firms all over India and abroad. Students can field a job in TOP IT MNC's companies like TCS, Wipro, CTS, Virtusa, ZOHO, Kaar Technologies, IBM, Oracle, Infosys and Google.



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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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DEPARTMENT OF INFORMATION TECHNOLOGY

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.

STUDENT ACHIEVEMENTS

AWARD AND ACHIEVEMENT



Our department
IV Year students

M.Prakash Raj, Gokulan, Vasantha, Ganesh has won First Prize in
Paper Presentation Contest on 10th March 2023.



III year IT Students A.Deinessh & S.Jegathesh have won First Prize with cash award of Rs. 1000 in
Connection with MITILENCE'23 at MVIT, Puducherry on 24th March 2023.



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.





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



R.Vishvaa has received Runner up position with 3 Gold Medals, 8 Silver Medal & 2 Trophies and cash amount of Rs. 35000/- in National Memory Championship contest of Memorizing conducted at National Federation of India,



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



R. Sanjay, AB. Fadil & M.R. Riswana Third Year IT Students won III Prize with cash award of Rs. 600 at MITILENCE'23 on 24th March 2023.



I. Harini, S. Subagayathiri and R. Hema III Year Students have won second prize in Christ Tech 2K23- State Level Technical Symposium, Christ College of Engg & Technology on 10th March 2023



R. Sanjay, AB. Fadil & M.R. Riswana Third Year IT Students won III Prize with cash award of Rs. 600 at MITILENCE'23 on 24th March 2023.



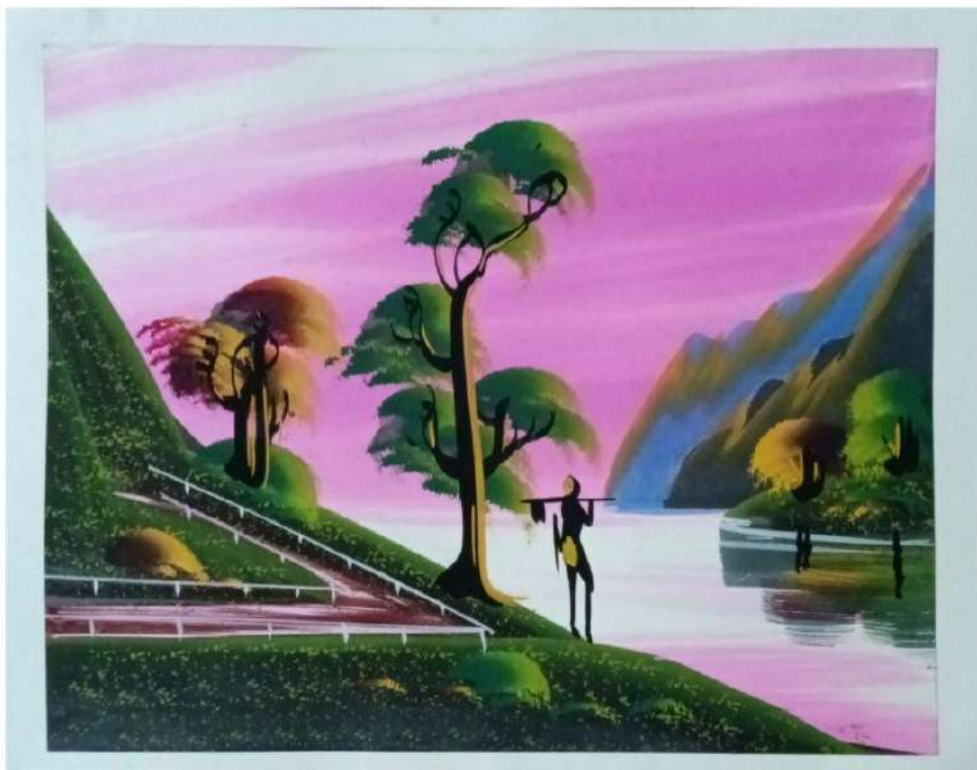
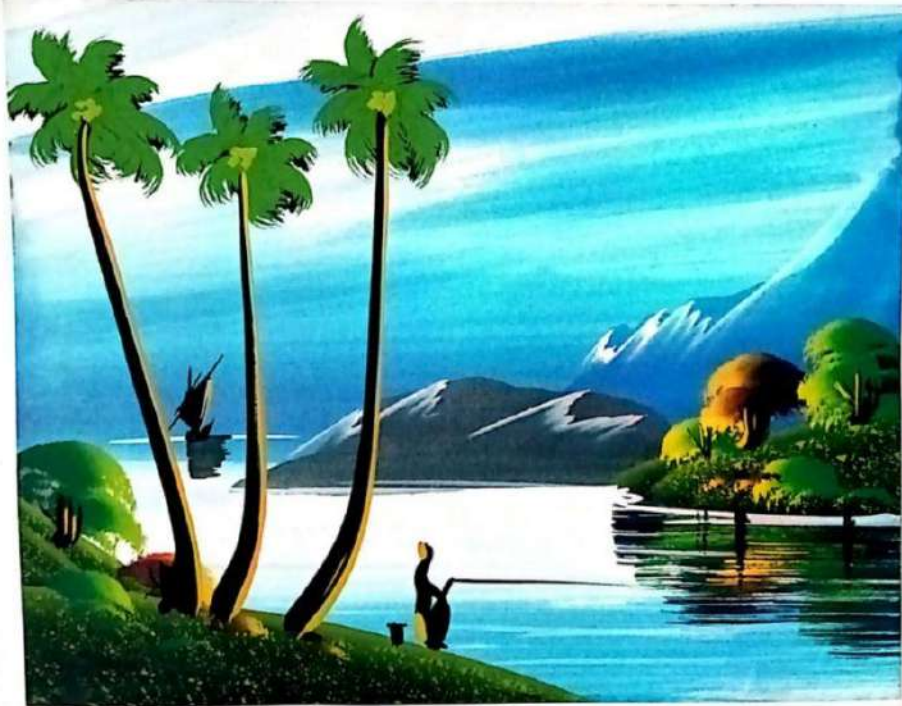
I.Harini, S.Subagayathiri and R.Hema III Year Students have won second prize in Christ Tech 2K23- State Level Technical Symposium, Christ College of Engg & Technology on 10th March 2023



STUDENT ACTIVITY



RISWANA.MR III YR - B



RISWANA.MR III YR - B



KARTHIK KARAN. K II yr - A

Indian Knowledge System Display



Traditional Wisdom in Cardboard: Thanjavur Temple Model

This student-created cardboard model of Thanjavur Temple showcases Indigenous Knowledge Systems through ancient Vastu Shastra proportions, traditional structural engineering techniques, and sacred geometric principles that Chola architects perfected over 1000 years ago. The artwork demonstrates how indigenous wisdom in astronomy, mathematics, and construction methods continues to inspire modern learning, bridging ancestral knowledge with contemporary educational creativity.



BRUSH STROKES



FADIL. A.B IIIYR - B

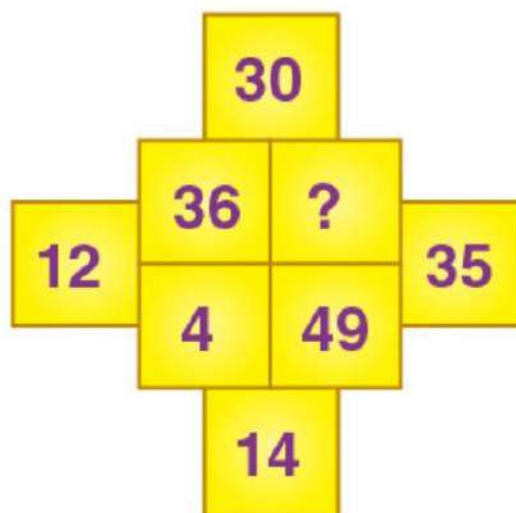
MATHS PUZZLE

$$\text{Glass with juice and straw} + \text{Glass with juice and straw} + \text{Glass with juice and straw} + \text{Glass with juice and straw} = 28$$

$$\text{Teacup} + \text{Teacup} + \text{Glass with juice and straw} = 17$$

$$\text{Teacup} + \text{Mug} = 9$$

$$\text{Glass with juice and straw} + \text{Teacup} + \text{Mug} - \text{Glass with juice and straw} = ?$$



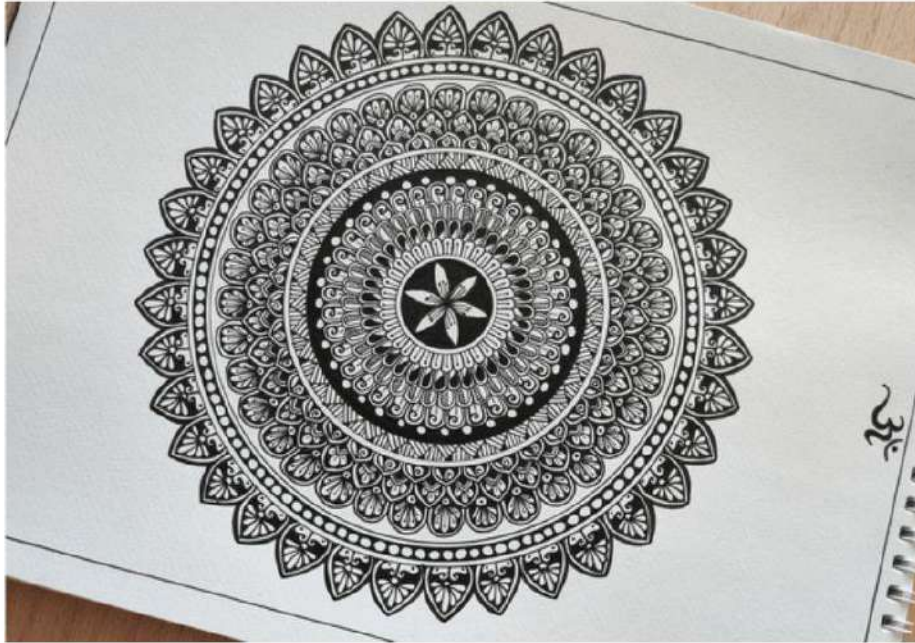
$$\text{Witch} + \text{Witch} + \text{Witch} = 30$$

$$\text{Witch} + \text{Pumpkin} + \text{Pumpkin} = 20$$

$$\text{Pumpkin} + \text{Bats} + \text{Bats} = 9$$

$$\text{Pumpkin} + \text{Bats} \times \text{Witch} = ?$$

MANDELLA ART WORKS



ABIRAJ.R II yr - B



DEPARTMENT ACTIVITIES

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**



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

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 and Gate way Solutions, Coimbatore on 16.12.22 and 17.12.2022.

Placement Report -2022-23

Academic Year	Student Strength	No of Students Placed	No of Students Placed in Tire 1 Company	No of Students Placed in Tire 2 Company	Placement Percentage
2022-2023	87	78	53	25	89.66%

S.No	Name of the Organization	Date of Campus Drive	Tier I / Tier II	Salary Package	No of Student Placed
1	ZOHO	25th Apr 2022	DREAM	Rs.7,00,000	2
2	KAAR Technology	27th Aug 2022	DREAM	Rs.6,50,000	1
3	VIRTUSA JATTAYU)	15th & 27th May 2022	DREAM	Rs.5,50,000	8
4	CTS	30th Aug 2022	TIRE I	Rs.4,00,000	15
5	ENTERPRISES MIND	23 th June 2023	TIRE I	Rs.4,00,000	1
6	HEXWARE	14th Sep 2022	TIRE I	Rs.3,70,000	1
7	INTEGRA	2nd Feb 2023	TIRE II	Rs.3,50,000	4
8	TCS NINJA	29th Apr 2022	TIRE I	Rs.3,36,000	15
9	LSE	11th Jan 2023	TIRE II	Rs,2,64,000	5
10	LAKSH SOURCE	27th Feb 2023	TIRE II	Rs,2,64,000	3
11	KUMAR SYSTEM	14 th Oct 2022	TIRE I	Rs.2,50,000	1
12	I GLOBAL	16th Dec 2022	TIRE I	Rs.2,50,000	5
13	SURETI	5th & 6th Jan 2023	TIRE I	Rs.2,50,000	4
14	SUTHERLAND	1st Nov 2022	TIRE II	Rs.2,50,000	13
Total Placed Student's Count					78

**VIRTUSA JATAYU -COMPETITION
PLACED STUDENTS-2022-23**



AAKASH.G
(BATCH: 2019-2023)



KARTHIKEYAN.K
(BATCH: 2019-2023)



PRAKASHRAJ.M
(BATCH: 2019-2023)



VASANTHA GANESH.R
(BATCH: 2019-2023)

INDUSTRY COLLABORATIONS

MOU Signed

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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 Genesys Academy
 VEI Technologies VEI Technologies, Chennai	 RIDSYS EXPLORING THE DIGITAL WORLD Ridsys Tech. Pvt. Ltd	 Cherri Technologies Push for Excellence Cherri Technologies
 RE RAJA ELECTRONICS Raja Electronics	 ASKAN TECHNOLOGIES Askan Technologies	 CA 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

FACULTY ACHIEVEMENTS



**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.**





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2. Ms.A.Punitha, AP

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2. MOHANA PRIYA M
3. ABINESH.S

II Year IT

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Thanks.....