



SRI MANAKULA VINAYAGAR
ENGINEERING COLLEGE
(An Autonomous Institution)

**DEPARTMENT OF
COMPUTER SCIENCE AND ENGINEERING
Magazine 2023-2024**





ABOUT INSTITUTION

Sri Manakula Vinayagar Engineering College, affiliated to Pondicherry University is among the best engineering college in Pondicherry and Tamilnadu. It was established in the year 1999 under the umbrella of Sri Manakula Vinayaga Educational Trust, with a vision to offer quality and affordable technical education to the weaker sections of the society. The institution has obtained autonomous status in the year 2019 and commemorated its Silver Jubilee in the field of educational excellence. At the apex of its standardization, the institute has been accredited by National Assessment and Accreditation Council (NAAC) with “A” grade.

To add an additional feather to the crown of SMVEC, all the eligible B.Tech Engineering programs offered are accredited by National Board of Accreditation (NBA), New Delhi. Besides, the institute is accredited by a global multinational company TCS. As one of the best engineering colleges in Pondicherry and a contender among the top private engineering colleges in Pondicherry, SMVEC stands out for its quality and commitment to education.

Vision

- To be recognized globally for providing high-quality education, innovation, and research.
- To transform lives and serve society.

Mission

The institution aims to provide:

- Quality education that combines cutting-edge technologies with best practices.
- Research and innovation that is value-based and collaborative with industries and institutions around the world.
- Employability and entrepreneurship skills through value and skill-based training.
- Ethical values that blend societal righteousness with academic professionalism.



CHAIRMAN AND MANAGING DIRECTOR



DIRECTOR CUM PRINCIPAL



SECRETARY



TREASURER



JOINT SECRETARY

VISION & MISSION OF THE DEPARTMENT

Vision

To achieve academic excellence in Computer Science and Engineering by imparting in-depth knowledge to the students, facilitating research activities and cater to the ever changing industrial demands and societal needs.

Mission

- M1: Quality Education: Empowering the students with the necessary technical skills through quality education to grow professionally.
- M2: Innovative Research: Advocating the innovative research ideas by incorporating with industries for developing products and services.
- M3: Placement and Entrepreneurship: Advancing the education by strengthening the Industry-Academic relationship through hands-on training to seek placement in the top most industries or to develop a start - ups.
- M4: Ethics and Social Responsibilities: Stimulating professional behaviour and good ethical values to improve the leadership skills and social responsibilities.



Facilities

JAVA & LINUX PROGRAMMING LAB

This lab is intended for novice programmers, with 106 computers. B.Tech & M.Tech students make use of this lab efficiently. Students utilize this lab, for Computer Networking, Operating System and some interactive Campus Training Programs.



Fully equipped air conditioned lab with 114 computers is available to the students make use in an innovative manner. Practical are based on Platform Technology, Web Technology, Object Oriented Programming, Data Structures, Database Management System, Algorithm Lab and Distributed Computing.

HARDWARE CONFIGURATION

- INTEL Core i3-2100 @ 3.1GHZ
 - 2GB PC3-10600 DDR3 1330 MHZ DIMM MEMORY
 - 320 GB SATA @ 7200 RPM HARDDISK
 - Inbuilt RJ-45
 - 6 USB 2.0
 - HDMI
 - DELL 18.5" TFT MONITOR
-
- INTEL CORE 2DUO E7200 PROCESSOR
 - (2.35 GHZ, 3MB L2 CACHE, 1066 MHZ FSB INTEL G33 EXPRESS CHIPSET)
 - 1GB DDR2 RAM PC5300 (667 MHZ)
 - 160 GB SATA 3.0GB/S 7200 RPM HDD
 - HP PS/2 STANDARD KEYBOARD
 - HP 2 BUTTON OPTICAL SCROLL MOUSE
 - REALTEK 8111C 10/100/1000 GIGABIT ETHERNET
 - 300 WATTS POWER SUPPLY
 - MICRO TOWER CHASSIS WITH FAN
 - HP 15" TFT MONITOR



Facilities

RESEARCH & DEVELOPMENT LAB

B.Tech, M.Tech students simulate their research work through valuable projects in this lab. This lab has 46 systems with advanced features.



HARDWARE CONFIGURATION

- Intel Core 2 Duo E7500 Processor
- 2.93GHz/3 MB L2 Cache, 1066 MHz FSB
- Intel G41 Express Chipset
- 2GB DDR3 RAM PC3-10600/1333MHZ
- 320GB SATA 3.0GB/s 7200 RPM HDD
- Realtek 8111C 10/100/1000 Gigabit Ethernet
- HP 18.5" TFT Monitor

SOFTWARE AVAILABLE

- Microsoft Office XP Professional
- Microsoft Visual Basic 2008
- Rational Rose Enterprise Edition
- Redhat Linux
- Oracle 8i
- SQL Server – Standard 2008
- SQL Server – Enterprise 2008
- HP Windows High Performance Computing Server 2008
- Visual Studio Professional Edition 2008

SERVER CONFIGURATION

- HP PROLIANT SERVER
- ML 110 G5
- UNI PROCESSOR CABLE
- INTEL 3210 SERVER CHIPSET, INTEL XEON PROCESSOR
- X3120 2.13 GHz (800MHZ FSB)WITH 2048 KB L2 CACHE
- 2 GB MEMORY
- 2GB X 2 PC2 4200 DDR II MEMORY
- INTEGRATED 2 PORTS EMBEDDED SATA (RAID LEVELS 0/1)
- 80 GB X 2 SATA HDD
- DVD ROM INTERNAL SATA CABLE
- HP 15" TFT MONITOR
- PS/2 KEYBOARD & MOUSE

Facilities

DEPARTMENT LIBRARY

Student's place to explore technology.

- Number of Books : 782
- National Journals : 26
- International Journal : 26
- CDs, VCDs, Multimedia : 375



Activities

The Department library books are available for reference. The books are also given to the students and staff on request. The students can use the digital volumes of various materials available for reference. The Digital contents can be obtained from the library for reproduction.



B.TECH COMPUTER SCIENCE & ENGINEERING

B.Tech Computer Science course is designed to offer a clear understanding of the basic concepts and principles of Computer Science and specialized skill sets required to design, develop and handle the projects required by the IT Companies. The course almost covers all the core subjects in Computer Science domain.

ADMISSION PROCEDURE

Admission to B.Tech is based on the marks, scored by the students in Maths, Physics & Chemistry or Computer Science during their Higher Secondary Board Examination. According to those marks, the CENTAC allocates seats to the students, and also the students are allowed to join through Management Quota.

- **DURATION:** 4 Years / 8 Semester
- **No. of Subjects:** Hardcore: 43, Softcore: 23
- **Intake:** 180



M.TECH COMPUTER SCIENCE & ENGINEERING

The course structures for M.Tech in Computer Science and Engineering is designed to enhance the skills of Computer Professionals, particularly towards Research and Development. As a highlight of the curriculum, Project work of the last two semesters has provided an ample opportunity to the students to carry out intensive work, on a chosen topic.

ADMISSION PROCEDURE

Admission to M.Tech Computer Science and Engineering Programme is based on the performance in the Entrance Examination. The entrance examination paper consists of 100 objective questions.

- **DURATION:** 4 Years / 8 Semester
- **No. of Subjects:** Hardcore: 13, Softcore: 3
- **Intake:** 24

CSE 2024 Batch Overall Placed Details

Company	Total Offers	Salary in Lakhs
KAAR Technologies	4	6.50
Unisys	6	8.40
Hexaware	17	4.00
ZOHO	3	5.60
Socite General	1	5.43
Infiniti	3	3.50
Accenture	12	4.00
TCS(Digital)	23	7.00
TCS(Ninja)	57	3.36
Tech Mahindra(Pega)	1	4.50
Ford Motors(Pega)	1	6.00
Vodafone (Pega)	1	7.25
TCS (Pega)	3	3.86
Movate	4	2.50
Integra	10	2.00-2.50
CTS(GenCPro)	1	5.40
UST Global	5	4.25
American Mega Trends	1	4.00
CTS (GenC)	11	4.00
Deloitte	1	4.70
LSE	1	2.00
Bahwan Cybertek	1	3.50
Connect Training Solutions	1	6.00
Total Offers	167	

Other Activities

Wipro Certified Faculty



Virtusa Certified Staff



Other Activities

RESEARCH IN THE DEPARTMENT

Research, in the Department, affords on the integration of theory and implementation, with broad perspective, on computing system.

ON-GOING PROJECTS

Inspired by the fillip and encouragement, given by the Management, to enhance the research ambience, our Department has sent major Project Proposals to the UGC for securing financial assistance.

- Bot-c-lara
- Invoice Automation
- Su Pilvi
- Spella
- IRIS
- Envirinsta
- Bay Care
- Smart Energy Meter
- Cardio Purg
- Wee Chef

MAJOR PROJECTS

- Face Recognition
- License Plate Recognition
- Smart Meter
- Pro Track
- Aurobindo App
- Chatbot Creation
- KONFIGURE

DETAILS OF THE ON-GOING PROJECTS, THE FOR PAST TWO YEARS

A large number of new research projects are initiated, every year, with fund facilities from various national and international industries. In addition, the Institute funds number of projects, to new faculty members, initiating research and also projects, in specialized areas. The flow of funds has been steadily growing over the years. To promote research, among the faculty members we have encouraged a number of faculties to register themselves for their Doctoral Programme by providing all facilities.

Achievements

Achievements

UNIVERSITY GOLD MEDALISTS

B.Tech



N. Revathy
(2003-2007)



S.Sri Lakshmi
(2003-2007)



K. Prashanthi
(2004-2008)



S.Alagammai
(2005-2009)



R.Hariharan
(2006-2010)



G.S. Sujeetha
(2007-2011)



M. Shyamala
(2008-2012)



A. Ilakkiya
(2009-2013)



S. Priyadharshini
(2010-2014)



G. Priyadharshini
(2011-2015)



P.Narmada
(2013- 2017)



Balla Sri Satya
(2015- 2019)

M.Tech



P.Iyappan
(2006-2008)



P.Uma
(2008-2010)



V.Vijayalakshmi
(2009-2011)



A.Kalaiselvi
(2010-2012)



B.Selvarani
(2015- 2017)



G.Anuja
(2016-2018)



D.Keerthiga
(2017-2019)



Staff Publications

International Journals

M. Shanmugam, V.Prasanna Venkatesan, V.Sajith kumar, R.Gowtham @ Surya, D.Srigiridharan, "Short Circuit Detection in Home using Augmented Reality", Design Engineering, Issue:7,204-221, ISSN: 0011-9342, October 2021

V.Vijayakumar,A.Aysa Parveen, R.Chandira Keerthana, P.Vaishnavi, "Geophonics Crop Yield Prediction using Machine Learning Techniques",Alochana Chakra Journal, Volume IX, Issue VI, ISSN: 2231-3990,Page 2112-2130, June 2020

J.Madhusudanan, S.Geetha,Madhumithra M, Malavika.M,Ramya Ramin R, "Taxonomy Creation using Natural Language Processing",Journal of Xidian University, ISSN: 1001-2400, Page 2255-2260, June 2020.

J.Kanimozhi, V. Swathilakshmi, B.Thiyagarajan, R.Subramanian, "A Perturbed Self-organizing Multiobjective Evolutionary Algorithm to solve Multiobjective TSP", ADBU Journal of Engineering Technology, Volume.9,Issue1, Page 1-9,June 2020.

J.Kanimozhi, B.Thiyagarajan, V. Swathilakshmi, "A Personal Assistant in Chatbots with different Technologies", International Journal of Computer Science Engineering, Vol. 9 No. ,Page 199-204, June 2020.

P. Bhavani, S.Swathi,R.Subasri,K.Thamizharasi, " Organizing Meeting Inside the company", International Journal for Research in Applied Science & Engineering Technology, Volume 8, Issue VI, Page 2401-2406,June 2020.

P. Bhavani, A. Kayalvizhi, K. Monisha,G. Aradhana, "Patient Monitoring System using Beacon", International Journal for Research in Applied Science & Engineering Technology, Volume 8, Issue VI, Page 547-551, June 2020.

D. Rajesh, S. Cindhuja, K.DhivyaLakshmi, P. Jaisheela, " Intelligent Trolley based on Internet of Things", International Journal of Computer Sciences and Engineering, Vol.8, Issue.6, Page 40-44, June 2020.

V. Vijayalakshmi, A. Prakash, " Developing an Optimized Feature Selection Process for Designing Efficient ContentManagement System using Educational Data", International Journal of Advanced Research in Science & Technology, Volume 7, Issue 1, Page 15-24, July 2020.

Arokiaraj Christian St Hubert, A.Punitha, " Cloud Computing in HealthCare Management for Electronic Record(EHR) in M-Health Care Application", International Research Journal of Engineering and Technology, Volume: 07, Issue: 06, Page 1-4, June 2020.



Achievements



Our Students final year CSE Hemachander and Hemapushbavathy and First year students of ECE Akshya and kalaivani got III Prize of Rs 1.5 lakhs with offers and internship offers. Unisys Innovation Program Y15 2024 National level contest organized by Unisys, Bangalore on 08th May 2024.



Our CSE Third year students ASWATHAMAN. R, KALAIARASAN.S, SAKTHI. R, MATHEW SAMUEL got First Prize in AICTE IDEALAB 48 Hour Nationwide Hackathon held at Gokaraju Rangaraju Institute of Engineering and Technology. They got a Prize Money of INR 50000 and a Certificate was issued on Oct 08, 2023, Hyderabad



Our CSE III year / A sec students, Aswathaman. R, Kalaiarasan.S, Sakthi. R, Mathew Samuel have been awarded as one of the top six teams in CII - Innovation contest on 3rd Feb 2024. They were awarded with ₹7000 cash prize.



Our II year / A sec CSE students Prakash.P, Madhan V, Rishob Kumar Singh, Santhosh D, Suriyan SR won the Best Technology User award at Panimalar Engineering College 36-hour Hackathon, from 27th and 28th JAN 2024 at Chennai.



Our CSE III year / A sec students, Aswathaman. R, Kalaiarasan.S, Sakthi. R, Mathew Samuel have been awarded as one of the top six teams in CII - Innovation contest on 3rd Feb 2024. They were awarded with ₹7000 cash prize.



Our II year / A sec CSE students Prakash.P, Madhan V, Rishob Kumar Singh, Santhosh D, Suriyan SR won the Best Technology User award at Panimalar Engineering College 36-hour Hackathon, from 27th and 28th JAN 2024 at Chennai.



Our student BARANI M, II Year / A Sec won first prize in CODE DEBUGGING at “ICON” Pondicherry Technological University held on 25-10-2023, got Certificate and Cash Award 1200.



Our student RISHAB KUMAR SINGH, II Year / A Sec won Second prize in CODE DEBUGGING at “ICON” Pondicherry Technological University held on 25-10-2023, got Certificate and Cash Award 500.



Our students Joushya C and Ashwini R, II Year / A Sec won Third prize in CODE GULF at “ICON” Pondicherry Technological University held on 25-10-2023, got Certificate and Cash Award 1000.



Our students Dhinesh Saravanan V and Sharath Jayan GM, II Year / A Sec won First prize in MOBILE APP DEVELOPMENT “ICON” Pondicherry Technological University held on 25-10-2023, got Certificate and Cash Award 800.



Our girls team JANANI.V, ANOUPRIYA.P, SIVASANKARI.R from the second year won second price in the election PREMIER LEAGUE conducted by the Election Department, Government of Puducherry with Cash Price 5000, Trophy and Medals.



Our Student HARINI. M, II Year / A Sec won First prize in Table Tennis held in Rajiv Gandhi Veterinary College and she got Medal and certificate.



Our Student SHRI ASHIKA S from final year CSE won Individual Performer and Best Individual Performer awarded by TCS PEGA



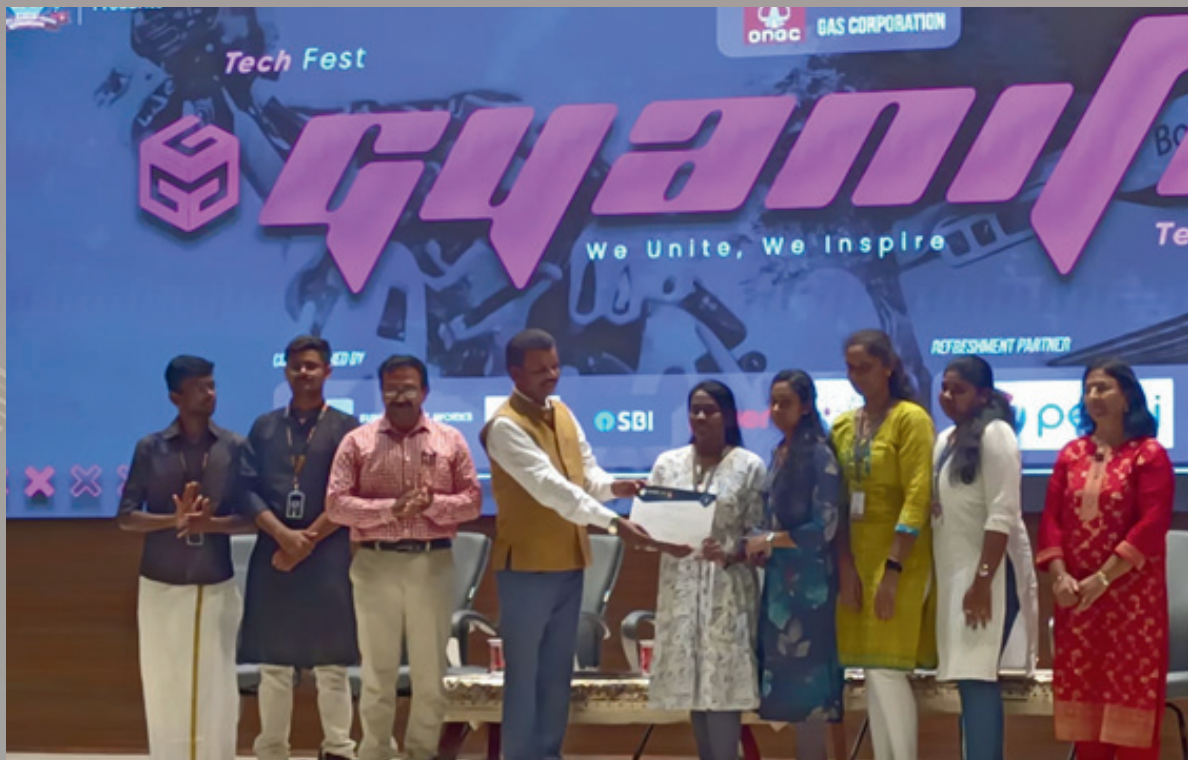
Our Student SRI HARIHARAN A from Final year CSE won First Prize in Hackathon Conducted by TCS PEGA events



Our CSE II year B section student Gokul. L got first prize in Paper Presentation in National Level Symposium CARAXE-2024 conducted by Velammal Engineering College Chennai on 02.03.2024.



Our CSE II year B section student Dhivya Prasath. J got First prize in Tech Quiz, Third prize in Bug Bash Challenge and Third prize Upside Down in National Level Symposium CARAXE-2024 conducted by Velammal Engineering College Chennai on 02.03.2024.



Our CSE II year B section student Veronica. A got Second prize in Hackathon conducted by NIT on 02.03.2024 and 03.03.2024.



Our CSE Third year C Sec student Niranjana. K, Manibala. V, Sababathirajan and Saravana Bharathy won First prize in Technical Paper Presentation at Christ Technoks24 on 26.02.2024

Glimpse of Department





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