



SRI MANAKULA VINAYAGAR
ENGINEERING COLLEGE
(An Autonomous Institution)

**DEPARTMENT OF
COMPUTER SCIENCE AND ENGINEERING**

**DEPARTMENT
MAGAZINE
2022-2023**





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

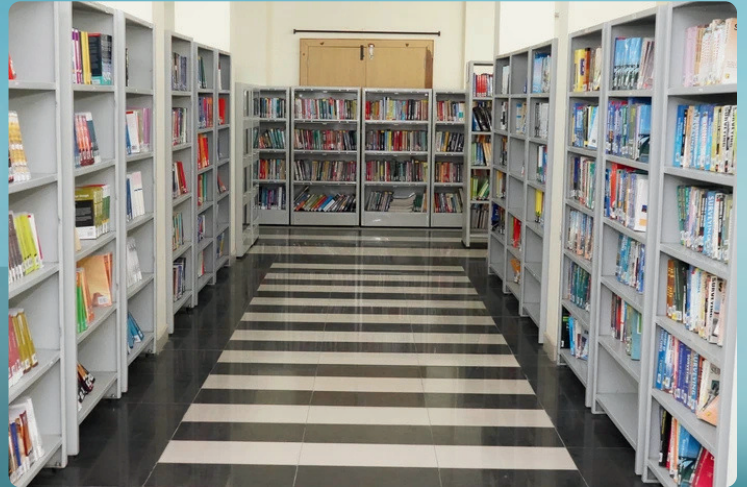
- HP PROLIANT SERVER
- ML 110 G5
- UNI PROCESSOR CABLE
- INTEL 3210 SERVER CHIPSET, INTEL XEON PROCESSOR
- X3120 2.13 GHz (800MHZ FSB)WITH 2048 KB L2 CACHE
- 2 GB MEMORY
- 2GB X 2 PC2 4200 DDR II MEMORY
- INTEGRATED 2 PORTS EMBEDDED SATA (RAID LEVELS 0/1)
- 80 GB X 2 SATA HDD
- DVD ROM INTERNAL SATA 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 2023 Batch Overall Placed Details



Company	Total Offers	Salary in Lakhs
FABC Dubai	3	12.00
Zoho	1	8.40
Zoho	3	7.00
Zoho	4	5.60
EmbedUR	1	8.00
Virtusa	3	6.50
Virtusa	18	5.50
TCS - Digital	7	7.00
TCS - Ninja	54	3.36
CTS – GenCNext	2	6.75
CTS - GenCPro	13	5.40
CTS – GenC Elevate	3	4.50
CTS – GenC	44	4.00
KAAR Technologies	4	6.50
Sopra Steria	5	6.00
Socite Generale	1	6.60
Caratlane	2	4.00
Movate (formally CSS Corp)	1	3.20
Movate (formally CSS Corp)	1	2.00
Integra	1	3.50
Integra	9	1.80
Just Dial	4	2.50 – 3.00
PEGA TCS - Digital	2	7.00
PEGA TCS - Ninja	4	3.36
PEGA Accenture	3	4.50
PEGA Hexaware	3	6.00
PEGA Infosys	2	4.40
PEGA Ford Motors	2	6.00
Total Offers	200	

Students Placed through Events

Events	Total	Salary in Lakhs
Virtusa – Campus Ambassador	3	6.50
TCS - Codevita	1	7.00
	2	3.36
Total	6	

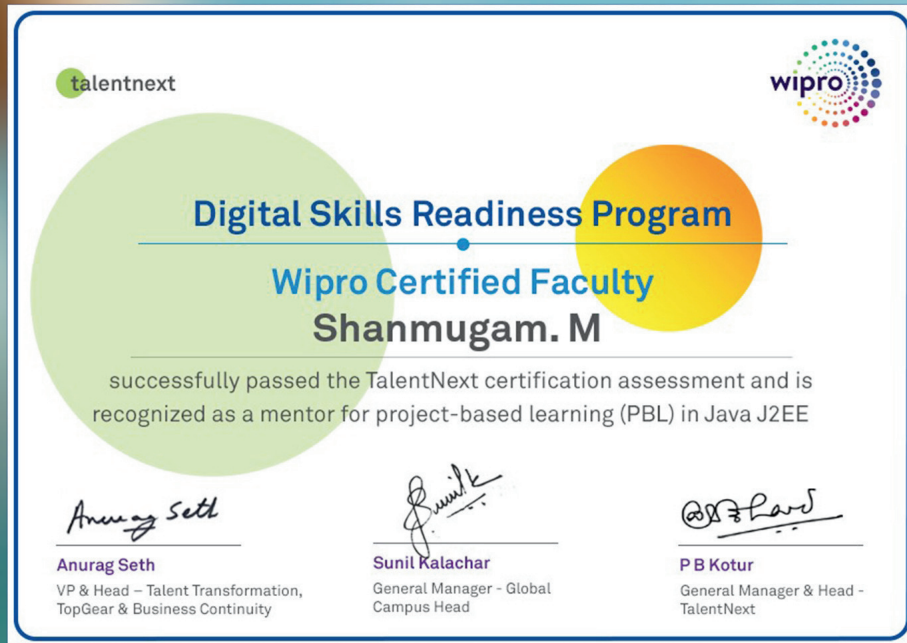
Placement coordinators

Placement Officer

Head of the Department

Director cum Principal

Wipro Certified Faculty



Virtusa Certified Staff



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)

Achievements

UNISYS CLOUD 20/20 Prize Winners



Lokeswaran.J



Subhash.N



**Nasreen
Banu.A.K**



Nishintha.B



Securing Your Tomorrow®



**AND THE
2nd Runners Up are**

Project Name
Sarvatrika

Team Members
Lokeswaran J, Subhash N, Nasreen Banu A K, Nishintha B

Guide Name
Dr. V. Vijayakumar

INSTITUTE
Sri Manakula Vinayagar Engineering College, Puducherry



Technology
disrupts.
We innovate.
Cloud 20/20™ Year 12



Achievements

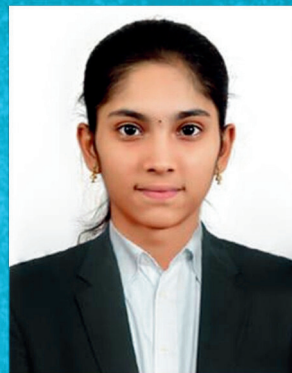
INTERNATIONAL EVENT - SUPERHERO U RUNNERS



Dharakeshwary G



Ramya R



Kaviya P



Megha S



Dhivya S

Prizes

- \$5000 Scholarships
- Virtual Internship
- \$100 Gift Card
- Super Hero U Badge
- Super Hero U Merchandize

Competitors

- Countries Participated: **88**
- Teams Participated: **1432**
- Finalists over the world: **87**



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Accredited by NAAC with 'A' Grade & An ISO 9001 : 2000 Certified Institution
MADAGADIPET, PUDUCHERRY - 605 107.

An Autonomous Institution

Department of Computer Science and Engineering

TCS - INNOVATE WINNERS



J. Shyamsuganth and S. Thamaraiselvan



S. Hariharasudhan and M. Subash



A. Nevinkumar and R. Jawahar



Accredited by



Stimulating place to learn



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Department of Computer Science and Engineering

UNISYS CLOUD 20/20 Prize Winners

won
1.25 Lakhs
prize



A. Gautham, Eathindar, Eniyanilavan, Hemachandiran

won
1 Lakh
prize



J.Shyamsuganth, M.Subash, S.Thamaraiselvan, S.Hariharasudhan

Accredited by



Success is not the Destination
It's just a journey....



Technical club of CSE, Tech Knocks organized the Alumni honoring programme “Fest of Tech Knocks” on 27th October 2018, Ms. Radhika Ravi, Campus Head-Tamil Nadu and Puducherry, TCS-Chennai has kindly consented to address the students on the opportunities and importance in business 4.0 for the carrier and motivated them as Chief Guest.

LEARNATHON



Technical club of CSE, Tech Knocks organized the Learnathon contest on 15th & 16th August 2019, in this contest II year and III year students participated and learn in the diffirent domains like web technology, Block chain, Mobile App and Programming languages.

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 ambiance, 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



Our CSE Final year student SARATH S got Best Outgoing Student of the Pega University Program 2022-23 held at Sri Manakula Vinayagar Engineering College. He got a Prize Money of INR 20000 and a Certificate was issued on Nov 11,2022 at Sheraton Hotel, Hyderabad.



Our students S. KALAIARASAN, II Year / A Sec and S. PRABHAKARAN, II Year / B Sec won first prize in the Project Competition and got a prize amount of 3000/- in “TECHNOVATION” Mailam Engineering College Project Competition held on 17-11-2022.

Achievements



Our students S. KALAIARASAN & S. PRABHAKARAN got 1st Prize in INNOVATORS DAY with cash prize Rs.7000 and Certificate on 14.09.2022



Our student NISHATHINI V got 3rd Prize in INNOVATORS DAY with a cash prize of Rs.3000 and a Certificate on 14.09.2022.

Achievements



Our students Jayasurya, Gokul S, Sasidharan got 1st Prize in INNOVATORS DAY with cash prize Rs.5000 and Certificate on 14.09.2022.



Our Students got 3rd prize and certificate in South Zone Shooting Ball Championships 2022 conducted by Andhrapradesh Shooting Association

OUR RECRUITERS



Glimpse of Department





TECH KNOCKS

AN TECHNICAL CREW

A Technical Club for Department of Computer Science & Engineering was created for the students benifits.



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