



SRI MANAKULA VINAYAGAR ENGINEERING COLLEGE

(An Autonomous Institution)

(Approved by AICTE, New Delhi & Affiliated to Pondicherry University)
(Accredited by NBA-AICTE, New Delhi, Accredited by NAAC with 'A' Grade)
Madagadipet, Puducherry - 605 107



DEPARTMENT OF
COMPUTER SCIENCE AND BUSINESS SYSTEMS

TechHuntersBizz Club ANNUAL REPORT

(Academic Year: 2023 to 2024)

TechHuntersBizz Club
Mr. T. Karthikeyan
Assistant Professor
Faculty Coordinator

Preface

The TechHuntersBiZZ Club of the Department of Computer Science and Business Systems, Sri Manakula Vinayagar Engineering College, serves as an innovative platform dedicated to fostering technical excellence blended with business acumen among students. The club is established with the vision of integrating computing technologies with modern business practices, thereby bridging the gap between engineering solutions and industry-driven management strategies. TechHuntersBiZZ actively encourages students to explore emerging domains through hands-on workshops, industry-oriented training programs, expert talks, hackathons, case study discussions, startup mentoring sessions, and collaborative projects, the club promotes experiential learning and practical exposure beyond classroom teaching. By nurturing analytical thinking, problem-solving abilities, leadership qualities, and entrepreneurial mindset, TechHuntersBiZZ prepares students to become future-ready professionals capable of adapting to dynamic technological and business environments. The club emphasizes interdisciplinary collaboration, encouraging students to combine technical proficiency with strategic decision-making and innovation management skills. The successful functioning of TechHuntersBiZZ is driven by a committed team of office bearers, including the President, Vice President, Treasurer, Technical Lead, and Business Strategy Lead, who work collectively with enthusiastic members to conceptualize, organize, and execute impactful academic and co-curricular initiatives. Their coordinated efforts ensure that the club consistently aligns its activities with industry requirements and institutional goals.



Mr. T. Karthikeyan
TechHuntersBizz Club



HoD/CSBS
Dr. N. Danapaquame



IQAC Coordinator
Dr. Arivalagar A A



Director Cum Principal
Dr. V.S.K. Venkatachalapathy

ABOUT THE INSTITUTE

Sri Manakula Vinayaga Educational Trust was founded to provide quality and affordable education to the weaker sections of society. The trust established Sri Manakula Vinayagar Engineering College (SMVEC) in 1999. SMVEC is an autonomous institution affiliated to Pondicherry University. It offers 13 undergraduate, 8 postgraduate and 11 Research programs in engineering. SMVEC has been accredited by NAAC with “A” grade and NBA. The institution is also accredited by TATA consultancy services. The college has a good placement record with students getting job offers from top companies in India and abroad. SMVEC students have won many awards and accolades for their academic achievements. To be globally recognized for excellence in quality education, innovation and research for the transformation of lives to serve the society.

Vision

To nurture the cornerstone of excellence in engineering education and drive innovation by seamlessly integrating the fundamentals of Science and Humanities

Mission

M1: Quality Education: To provide comprehensive academic system that amalgamates the cutting edge technologies with best practices.

M2: Research and Innovation: To foster value-based research and innovation in collaboration with industries and institutions globally for creating intellectuals with new avenues.

M3: Employability and Entrepreneurship: To inculcate the employability and entrepreneurial skills through value and skill based training.

M4: Ethical Values: To instill deep sense of human values by blending societal righteousness with academic professionalism for the growth of society.



ABOUT THE DEPARTMENT

The Computer Science and Business Systems Department bridges computer science with strategic business applications, making it a popular choice among students looking for CSBS colleges in Pondicherry and the best CSBS engineering college in Tamil Nadu. This interdisciplinary unit equips learners with the skills to navigate today's fast-changing tech scene and its impact on business. SMVEC is recognised among the top CSBS colleges in Pondicherry for its innovative teaching methods and industry-aligned syllabus. Developed in collaboration with TCS, the curriculum integrates technical knowledge with business acumen, equipping students to address the multifaceted challenges of the modern business world.

Vision

To predict and shape future technology and business trends while producing technically adept graduates who can meet global demand. By maintaining its standing among the top 20 computer science engineering colleges in Tamil Nadu, the department aims to lead regional innovation with the updated CSE Syllabus.

Mission

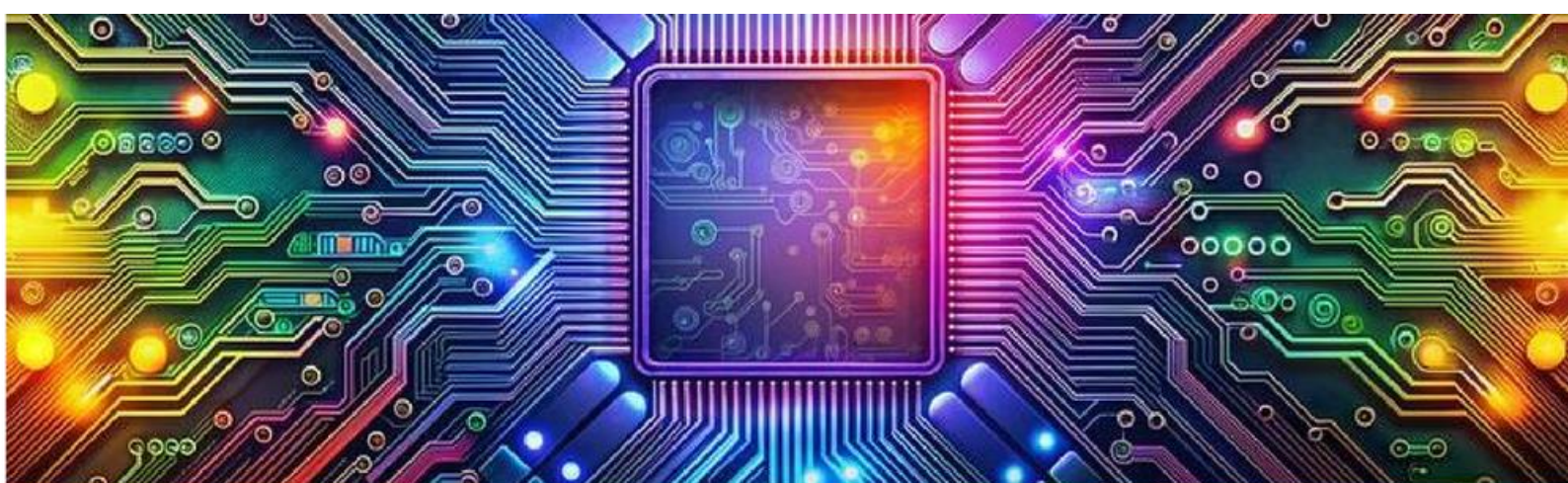
Implement innovative teaching tactics and a current curriculum to share information. Prepare graduates for the fast-paced IT field by teaching them fundamental computer and business skills.

Foster research and encourage ideas that keep us among the best CSE colleges in Pondicherry.

Instill moral values and ethical duties in graduates, training them to be socially responsible.

Programmes offered

- B.Tech - Computer Science and Business Systems



ABOUT TECHHUNTERSBIZZ CLUB

The TechHuntersBiZZ Club of the Department of Computer Science and Business Systems is dedicated to exploring the dynamic convergence of technology and business innovation, guided by the overarching theme of “Empowering Future Leaders through the Integration of Technology and Business Intelligence.” The club serves as a vibrant platform where students transform theoretical knowledge into practical, industry-relevant solutions that address real-world business and technological challenges. TechHuntersBiZZ nurtures analytical thinking, strategic decision-making, and entrepreneurial skills. By fostering creativity, collaboration, and leadership, the club prepares students to excel in technology-driven enterprises and competitive global markets. TechHuntersBiZZ aims to produce technically proficient and business-savvy professionals capable of leading digital innovation and sustainable growth in modern organizations.

Objectives of TechhuntersBiZZ Club

The primary goal of TechhuntersBiZZ club are as follows:

- To develop practical skills in technology-driven business solutions.
- To promote innovation and entrepreneurial thinking.
- To enhance analytical and strategic decision-making abilities.
- To update members on emerging technologies and business trends.
- To prepare students for competitions, placements, and startup initiatives.
- To encourage teamwork and interdisciplinary collaboration.



OFFICE BEARERS

The TechHuntersBiZZ Club is led by a dedicated team of office bearers who play a vital role in driving the club's activities and fostering a culture of innovation. The team typically includes a President, Vice President, Secretary, Treasurer, and Technical Leads, each bringing unique skills and responsibilities to the table. These office bearers coordinate workshops, manage resources, mentor junior members, and oversee project development. Their leadership ensures smooth operation of the club while encouraging creativity, collaboration, and hands-on learning in the field of robotics. Through their efforts, the club continues to be a hub of technical excellence and a launchpad for future innovators.



Mr. T. Karthikeyan
Assistant Professor
Faculty Coordinator



Darshanth V
III Year



Kayathri V
III Year



Kaveeraasane C
III Year



Shivani Umamaheswari K
III Year



Prakash I
III Year

LIST OF EVENTS

S.No	<i>Title of the Events</i>
01	Generative AI and Prompt Engineering
02	DevOps Fundamentals

Generative AI and Prompt Engineering

This forward-looking workshop addresses the most disruptive technology of the decade: Generative AI. It moves beyond simply "chatting" with bots to understanding the engineering behind Large Language Models (LLMs) like GPT-4 and Gemini. The session will teach "Prompt Engineering"—the art and science of structuring inputs to get precise, high-quality outputs. It will also cover "AI Copilots" for coding, showing students how to use AI to generate boilerplate code, write unit tests, and document their software, drastically increasing their productivity.

- Total Number of Participants:
- Year of Students: III/VI
- Venue: Sri Manakula Vinayagar Engineering College, Madagadipet, Puducherry
- Date: 28.03.2024
- Event Coordinator: Devika
- Mode of Seminar: Offline Club Activity

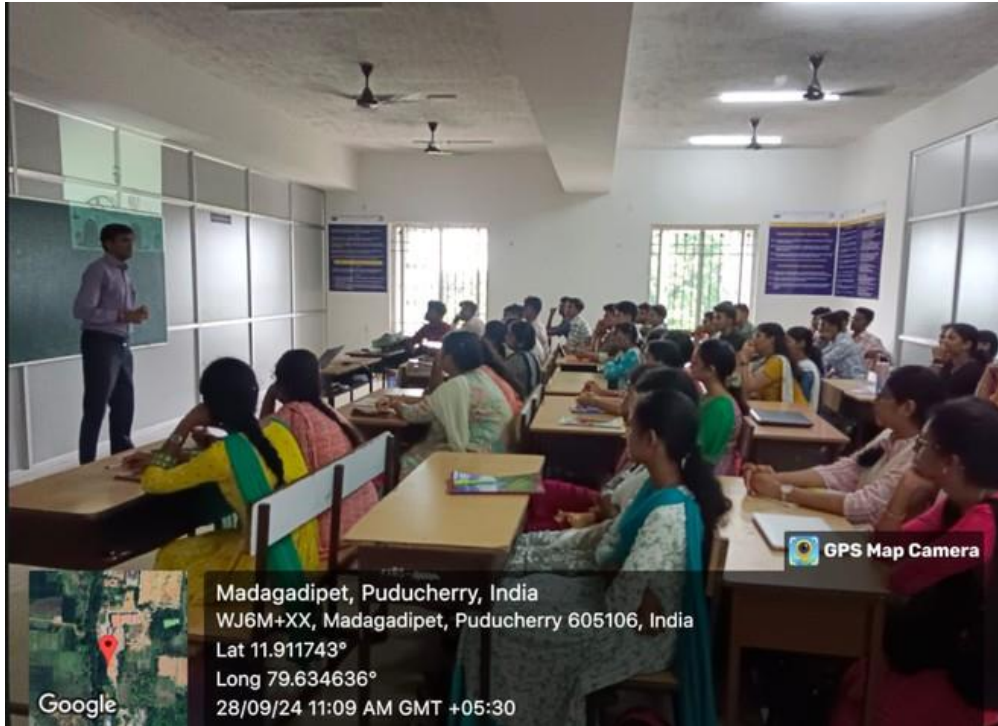
OBJECTIVES OF THE SEMINAR

- **Advanced Prompting Techniques:** To teach students specific methodologies like "Chain-of-Thought Prompting" and "Few-Shot Learning" to make AI models solve complex reasoning problems accurately.
- **AI-Assisted Development:** To demonstrate how to integrate AI tools into the coding workflow (VS Code extensions) to speed up debugging and feature implementation without becoming reliant on them.
- **Ethical & Critical Analysis:** To educate students on the limitations of AI, including "hallucinations" (confident but false answers) and bias, ensuring they use these tools responsibly.

OUTCOME OF THE SEMINAR

- **Productivity Framework:** Students will develop a personal "AI workflow" that helps them complete assignments and projects 30–40% faster while maintaining quality.
- **Prompt Library:** Participants will create a library of reusable prompts for common tasks like "Explain this code," "Generate SQL queries," and "Refactor this function."
- **Future-Proofing:** Students will gain a competitive edge in the job market, where "AI Literacy" is becoming a required skill for software engineers.

PHOTO GALLERY



DevOps Fundamentals

This technical seminar bridges the critical gap between "Software Development" (writing code) and "IT Operations" (running code). It addresses the classic problem: "It works on my machine, but not on the server." Students will be introduced to Docker, a tool that packages code into "containers" that run reliably anywhere. The session will then cover Kubernetes, the industry-standard system for managing these containers at scale. This is a heavy infrastructure topic essential for any student aiming for roles in Backend Engineering or Cloud Architecture.

- Total Number of Participants: 50
- Year of Students: II/IV
- Venue: Sri Manakula Vinayagar Engineering College, Madagadipet, Puducherry
- Date: 10.09.2024
- Event Coordinator:
- Mode of Seminar: Offline Club Activity

OBJECTIVES OF THE SEMINAR

- Containerization Mastery: To explain how Docker isolates applications, bundling the code with all its dependencies (libraries, settings) so it runs consistently on any OS.
- Orchestration Logic: To introduce Kubernetes (K8s) and explain how it automatically "heals" applications—restarting crashed servers and scaling up resources when user traffic spikes.
- CI/CD Pipeline Awareness: To familiarize students with "Continuous Integration/Continuous Deployment," the modern workflow where code changes are automatically tested and pushed to production servers.

OUTCOME OF THE SEMINAR

- Docker Proficiency: Students will learn to write a Dockerfile and build their own custom image for a Python or Node.js application.
- Infrastructure Insight: Participants will understand the architecture of modern tech giants (like Netflix and Uber) and how they handle millions of users without crashing.
- Cloud Readiness: Students will be better prepared for cloud certifications (like AWS or Azure) as they now understand the underlying virtualization technology

PHOTO GALLERY

