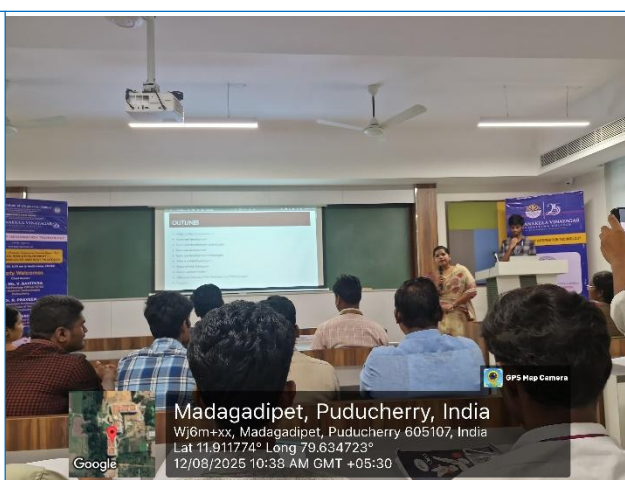


**REPORT FORMAT OF THE
ONE-DAY SEMINAR / WORKSHOP
ORGANISED BY CENTRES / OVERSEAS CHAPTERS
FOR PUBLICATION IN WEBSITE**

Name of Centre / Overseas Chapter:		PUDUCHERRY STATE CENTRE
Title of Activity:	ONE DAY SEMINAR ON “ ADVANCED WEB DEVELOPMENT: EMERGING TECHNOLOGIES AND BEST PRACTICES	
Activity under Divisional Board		COMPUTER ENGINEERING DIVISION BOARD
Date:	12.08.2025	Venue: SRI MANAKULA VINAYAGAR ENGINEERING COLLEGE , MADAGADIPET, PUDUCHERRY



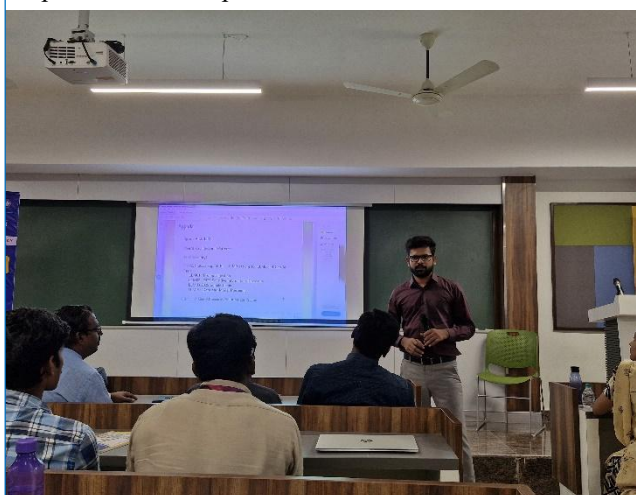
IEI seminar inauguration photos



IEI seminar session 1 Lecture by: Shri.Bavithra.V,
Chief Technology Officer , Aviz Aviation Technologies
Topic: Web Development



IEI seminar inauguration photos



IEI seminar session 2 Lecture by: Dr.Praveen.R,
Assistant professor, National Institute of Technology,
Karaikal
Topic: Introduction to Generative AI Application
Development & its Security



IEI seminar valedictory function and certificate distribution



IEI seminar session 3 Lecture by: Shri Ariharan.V,
Founder and CEO Neural organics Pvt Ltd,
Puducherry
Topic: Evolution of Web Development



IEI seminar session 4 Lecture by: Dr.Saravanan.R,
Professor.Sri Manakula Vinayagar Engineering college,
Puducherry, Topic: Large Language Model

Photo of Inaugural Session with banner of IEI

Photo of Technical Session

Report of One-Day Seminar/Workshop

Brief Details about the Programme:

A “ one Day Seminar “ was organized by the Pondicherry State Centre, Puducherry under the aegis of the Computer Engineering Division Board , IEI , Puducherry State Centre was held on 12.08.2025 at the Conference Hall of Sri Manakula Vinayagar Engineering college, Puducherry showcasing a blend of academic insight and industry expertise in the field of Advanced Web Development: Emerging Technologies and Best practices. An Inaugural session followed by four expert lectures was organized by the Department of Information Technology, Sri Manakula vinayagar engineering college, Puducherry. The seminar was planned in such a way that forenoon session had two expert lectures and in the afternoon session had two expert lectures were conducted respectively.

The seminar had commenced at 09.30 a.m with a brief invocation setting a respectful tone for the day followed by welcome address by Dr.R.Raju, HoD/Information Technology outlining the seminar objectives and the relevance of Advanced Web Development: Emerging Technologies and Best practices. The event was followed by felicitation addresses by Dr.S.Thirougnaname, Chairman, IEI, Puducherry State Centre and Dr. L.M Varalakshmi, Professor ECE, IEI Student Chapter. In their felicitation address they highlighted the significance of technological innovations in Advanced Web Technologies. The importance of conducting this seminar and their relevance in the field of advanced web technologies were addressed. Presidential message was given by

Dr.V.S.K Venkatachalapathy, Director-cum-Principal, Sri Manakula Vinayagar Engineering College, emphasizing the necessity of bridging theoretical research in this area with real world examples and practical applications.

In the forenoon session, the first expert lecture was delivered by Shri.Bavithra.V, Chief Technology Officer , Aviz Aviation Technologies explained about Web development and the process of creating and maintaining websites or web applications for the Internet or private networks, their classification into front-end (client-side) and back-end (server-side) development. How Front-end development deals with the visual interface and user interaction, where technologies such as HTML provided structure, CSS handled layout and design, and JavaScript added interactivity. Back-end development, on the other hand, managed server-side operations, databases, and application logic using technologies like SQL for database management and PHP for handling dynamic content. Real-world scenarios used by Web developers, who categorize as front-end, back-end, or full-stack, were responsible for writing code, integrating multimedia, and collaborating with designers to transform client requirements into working functional websites.

In the forenoon session, the Second expert lecture was delivered by Dr.Praveen.R, Assistant professor, National Institute of Technology, Karaikal explained about overview of Generative AI (GenAI) application development and its associated security concerns. It begins by explaining Artificial Intelligence (AI) and Large Language Models (LLMs), highlighting their architecture, training process, and fundamentals such as tokenization, pretraining, and fine-tuning. It introduces GenAI architectural patterns, which include input processing, model architecture (transformers, GANs, diffusion models), generation layers, post-processing, and deployment. Different application models such as black-box LLM APIs, enterprise LLM apps, domain-specific fine-tuning (LLMOps), retrieval augmented generation (RAG), and multi-agent orchestration.

In the afternoon session the first expert lecture was delivered by Shri Ariharan.V, Founder and CEO Neural organics Pvt Ltd, Puducherry explained about insights into the evolution of web technologies, modern frameworks, architectures, and the emerging role of Web 3.0, AI, performance, and security in shaping the future of the internet. The web is transitioning from static, read-only pages (Web 1.0) to interactive social platforms (Web 2.0) and now towards a decentralized, user-owned ecosystem (Web 3.0). Modern frameworks, AI integration, and focus on performance and security are reshaping how the internet functions, making it more efficient, intelligent, and secure.

In the afternoon session the Second expert lecture was delivered by Dr.Saravanan.R, Professor,Sri Manakula Vinayagar Engineering College explained about the deployment of LLM (Large Language Model) pipeline which was a structured process designed for training, fine-tuning, and deploying advanced AI models for natural language tasks. He explained about data collection and preprocessing, ensuring high-quality input. The seminar ended with the valedictory speech and certificate distribution event.

Details of the Sessions:

Day-1 (Forenoon) Inaugural Session Inaugural programme, Two invited lectures	1. Lecture by: <u>Shri.Bavithra.V, Chief Technology Officer , Aviz Aviation Technologies</u> Topic: <u>Web Development</u> 2. Lecture by: <u>Dr.Praveen.R, Assistant professor, National Institute of Technology, Karaikal</u> Topic: <u>Introduction to Generative AI Application Development & its Security</u>
Day-1 (Afternoon) Technical Session I Minimum 3 papers or two invited lectures / presentations	3. Lecture by: <u>Shri Ariharan.V, Founder and CEO Neural organics Pvt Ltd, Puducherry</u> Topic: <u>Evolution of Web Development</u> 4. Lecture by: <u>Dr.Saravanan.R, Professor,Sri Manakula Vinayagar Engineering college, Puducherry,</u> Topic: <u>Large Language Model</u>

INVITATION



The Institution of Engineers (India)

(Established 1920, Incorporated By Royal Charter 1935)
(A Scientific & Industrial Research Organization)
(A century of Service to the Nation)



PUDUCHERRY STATE CENTRE

(Ground Floor, PWD Campus, No: 63, N.S.C.Bose Salai, Puducherry-605001)
www.ieipsc.org. Email: puducherry@ieindia.org, Mobile : 9489766701



SRI MANAKULA VINAYAGAR ENGINEERING COLLEGE

(AN AUTONOMOUS INSTITUTION)

MADAGADIPET, PUDUCHERRY

DEPARTMENT OF INFORMATION TECHNOLOGY

Jointly Organizes
One Day Seminar on

Under the aegis of the Computer Engineering Division Board (IEI)
**ADVANCED WEB DEVELOPMENT :
MERGING TECHNOLOGIES AND BEST PRACTICES**

12th August 2025, 9.30 am @ Auditorium, SMVEC

The Management, Director, Deans, HoDs and Faculty members
cordially invite you all for the event of

Chief Guests

Shri. Ms. V. BAVITHRA
Chief Technology Officer (CTO)
Aviz Aviation Technologies
Puducherry

Dr. R. PRAVEEN
Assistant Professor
National Institute of Technology
Karaikal, Puducherry

Shri. Mr. V. ARIHARAN
Founder and CEO
Neural Organics Pvt. Ltd.
Puducherry

Shri. M. DHANASEKARAN

Chancellor, Takshashila University, Tindivanam, Tamil Nadu
Chairman and Managing Director, SMVE Trust

Presides

Dr. K. NARAYANASAMY
Secretary, SMVE Trust

Shri. D. RAJARAJAN
Treasurer, SMVE Trust

Shri. S. VELAYUDHAM
Joint Secretary, SMVE Trust

Felicitates

Dr. V.S.K. VENKATACHALAPATHY
Director cum Principal
Welcomes

Guest of Honor

Dr. S. THIROUGNANME, FIE
Chairman, IE (I), PSC

Er. K. SOUNDARARAJAN, FIE
Honorary Secretary IE (I), PSC

Gratitude Note

Dr. S. JAYAKUMAR
Controller of Examinations

Dr. S. ANBUMALAR
Dean Academics

Dr. A.A. ARIVALAGAR
Dean Academics

Dr. N.S.N. CAILASSAME
Dean Placement

Dr. L. M. VARALAKSHMI
Professor / ECE, IEI Student Chapter

Dr. R. RAJU
HoD / IT

PROGRAM SCHEDULE



The Institution of Engineers (India)

(ESTABLISHED 1920, INCORPORATED BY ROYAL CHARTER 1938)
(Ground Floor, PWD Campus, No: 63, N.S.C. Bose Salai, Puducherry-605001)
www.iepsec.org, Email: puducherry@ieindia.org, Mobile : 9489766701
In association with



SRI MANAKULA VINAYAGAR
ENGINEERING COLLEGE
(AN AUTONOMOUS INSTITUTION)

Madagadipet, Puducherry

One day Seminar

On

ADVANCED WEB DEVELOPMENT : EMERGING TECHNOLOGIES AND BEST PRACTICES

Under the aegis of the Computer Engineering Division Board (IEI)

Date: 12-08-2025

Time: 09.30 a.m.

Venue: ECE Seminar Hall

Program Schedule

Inaugural Session	
9.30 a.m.	Invocation
9.32 a.m.	SMVEC Anthem
9.40 a.m. to 9.45 a.m.	Welcome address: Dr. R. Raju , HOD/IT
9.45 a.m. to 9.50 a.m.	Honoring Guest
9.50 a.m. to 10.15 a.m.	Felicitation address: Dr. S. Thirugnaname , FIE, Chairman, IEI, PSC
10.15 a.m. to 10.45 a.m.	Presidential Address: Dr. V.S.K. Venkatachalapathy , Director-cum-Principal, SMVEC
10.45 a.m. to 11.00 a.m.	Vote of Thanks: Er. K. Soundararajan , FIE, Honorary Secretary, IEI, PSC
11.00 a.m. to 11.15 a.m.	Tea Break
Session 1	
11.15 a.m. to 12.30 a.m.	Speaker : Shri. Dr. R Praveen , Assistant Professor Department of Computer Science and Engineering National Institute of Technology - Karaikal Puducherry
12.30 a.m. to 1.30 p.m.	Speaker : Shri. Dr. R Saravanan , Professor Department of Information Technology Sri Manakula Vinayagar Engineering College, Puducherry
1.30 p.m. to 02.30 p.m.	Lunch Break

PROGRAM SCHEDULE



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SRI MANAKULA VINAYAGAR

ENGINEERING COLLEGE

(AN AUTONOMOUS INSTITUTION)

Madagadipet, Puducherry

One Day Seminar

On

ADVANCED WEB DEVELOPMENT : EMERGING TECHNOLOGIES AND BEST PRACTICES

Under the aegis of the Computer Engineering Division Board (IED)

Program Schedule

Session 2	
02.30 p.m. to 03.30 p.m.	Speaker : Shri. V. Bavithra Chief Technology Officer (CTO) Aviz Aviation Technologies
03.30 p.m. to 04.30 p.m.	Speaker : Shri. V. Ariharan Founder and CEO Neural Organics Pvt Ltd.
4.45 p.m.	Certificate Distribution
4.50 p.m.	Vote of Thanks: Er. K. Soundararajan, FIE, Honorary Secretary, IED, PSC
***National Anthem ***	

ஸ்ரீ மணக்குள விநாயகர் பொறியியல் கல்லூரியில் கருத்தரங்கம்



புதுவை ஸ்ரீ மணக்குள விநாயகர் பொறியியல் கல்லூரியில் கருத்தரங்கம் நடைபெற்றது.

புதுச்சேரி, ஆக. 13-
இந்திய பொறியியலாளர்
கழகம், புதுச்சேரி மாநில
மையம், மணக்குள
விநாயகர் பொறியியல் கல்
லூரியின் தகவல் தொழில்
நுட்பத்துறையும் இணைந்து
கல்லூரியின் வளாகத்தில்
நேற்று மேம்பட்ட வலை
உருவாக்கம், உருவெடுத்த
துவரும் தொழில்நுட்பங்
கள் மற்றும் சிறந்த நடைமு
றைகள் என்ற தலைப்பில்
ஒரு நாள் கருத்தரங்கத்தை
நடத்தினர்.

தகவல் தொழில்நுட்ப
துறைத்தலைவர் ராஜ்
அனைவரையும் வாழ்த்தி
வரவேற்புரையாற்றினார்.
அதன் தொடர்ச்சியாக
கருத்தரங்கத்தில் முக்கிய
விருந்தினராக திரு. ஞானம்,
உறுப்பினர், தலைவர்,
இந்திய பொறியியலாளர்
கழகம், புதுச்சேரி மாநில
மையம் கலந்துகொண்டு
மேம்பட்ட இணைய
வளர்ச்சி மற்றும் வளர்ந்து
வரும் தொழில்நுட்பங்கள்

முக்கியத்துவத்தை எடுத்து
ரைத்து முக்கிய உரையாற்றி
னார். அதையடுத்து, பொறி
யாளர் சௌந்தராஜன்,
கௌரவ செயலாளர்,
இந்திய பொறியியலாளர்
கழகம், புதுச்சேரி மாநில
மையம், மேடையில் மற்
றும் மேடைக்கு வெளியே
உள்ள அனைத்து சிறப்பு
விருந்தினர்களுக்கும் நன்
றியுடன் தனது உரையை
வழங்கினார். இந்த கருத்த
ரங்கிற்கு இயக்குனர் தன
சேகரன், செயலாளர்
டாக்டர் நாராயணசாமி
கேசவன், பொருளாளர்
ராஜ் ராஜன், இணை
செயலாளர் வேலாயுதம்,
கல்லூரியின் இயக்குனர்
வெங்கடாசலபதி ஆகி
யோர் தலைமையில் நடை
பெற்றது.

கருத்தரங்கில் முனை
வர் பிரவீன், உதவி பேரா
சிரியர், கணினி அறிவியல்
மற்றும் பொறியியல் துறை,
தேசிய தொழில்நுட்ப
நிறுவனம்-காரைக்கால்,

புதுச்சேரி செல்வி.பவித்ரா,
முதன்மை தொழில்நுட்ப
அதிகாரி (CTO), Aviz Aviation
Technologies, திரு. அரிஹ
ரன், நிறுவனர் & CEO,
Neural Organics Pvt Ltd,
பேராசிரியர் சரவணன்,
தகவல் தொழில்நுட்பத்
துறை ஸ்ரீ மணக்குள விநாய
கர், ஆகிய நான்கு தொழில்
நுட்பம் சார்ந்த நிபுணர்கள்
சிறப்புரையாற்றினர்.

பல்வேறு துறைகளிலி
ருந்து சுமார் 150 மாண
வர்கள் நிகழ்வில் கலந்து
கொண்டனர். அவர்களில்
பலர், நிபுணர்கள் வழங்கிய
தலைப்புகளின் உள்ளடக்
கத்திற்கு தங்களின் முழு
திருப்தியையும் தெரிவித்த
னர். ஒவ்வொரு தலைப்பிற்
கும் தொடர்புடைய பல
நிஜ வாழ்வியல் உதாரணங்
கள் வழங்கப்பட்டதால்,
அதை எளிதில் புரிந்து
கொள்ள முடிந்தது என்
பது கருத்தரங்கு அமர்வில்
கலந்துகொண்ட மாணவர்
கள் வழங்கிய கருத்தாகும்.