IQAC ANNUAL REPORT

2023 – 2024

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.

IQAC

INTERNAL QUALITY ASSURANCE CELL

2023-2024

A Stimulating Place to Learn and Practice Technology

TABLE OF CONTENTS

ABOUT THE INSTITUTION

Sri Manakula Vinayagar Engineering College has been conferred with autonomous status from UGC on September 26th 2019 for 10 years till 2029, the institute extends its shoulders to emerge new programs in Engineering, along with the ongoing courses of study in Engineering and Architecture. In the voyage of 25 years of academic excellence, it offers 13-B.Tech Programs including CSBS a program supported by TCS, 1-B.Arch , 8-Postgraduate programs including MBA, MCA and 11-Research programs. .

It's the only trend setting institution in Puducherry which records nearly 1000 plus incredible placement offers every year.

VISION

To be globally recognized for excellence in quality education, innovation and research for the transformation of lives to serve the society.

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.

MESSAGE FROM MANAGEMENT DESK

A huge thank you to everyone who's helped our institution reach new heights! We're dedicated to being the best in everything education - related, and that's what's pushed us forward. I'm especially proud of the IQAC team for keeping our quality top - notch. We won't stop aiming for greatness in both teaching and learning, and we'll always strive to give our students the best education in the world.
Thanks again!

Shri. M. Dhanasekaran
Chairman and Managing Director

Big thanks to everyone who helped our institution to become the best it can be! Our faculties, helpers, and students all pulled together to make our education top-notch. The IQAC team especially deserves a cheer for keeping quality high and making sure our students get a well-rounded education. We've come a long way this year, and I know we'll keep getting better and better at teaching and learning.
Thanks again, everyone!

Shri. S. V. Sugumaran
Vice Chairman

Big hello to everyone reading the IQAC News Letter! We're all about giving our students an education that covers everything, not just books. The IQAC team helps us keep our quality top-notch, and they deserve a big thanks for that! We couldn't do it without our amazing teachers, helpers, and students, either. You all work so hard to make our institution the best it can be, and we truly appreciate it.To wrap it up, we promise to keep giving our students the best education possible.
Thanks again for reading!

Dr. K. Narayanasamy
Secretary

Hi everyone! I'm your principal, and I'm super proud of what we've accomplished this year! Our institution has made big leaps thanks to the amazing work of our teachers, helpers, and students. The IQAC team deserves a special shout-out for keeping our quality top-notch.
We're still going strong on giving our students the best education possible, one that covers everything they need to know and helps them grow into well-rounded people. I have no doubt we'll keep getting better and better.A big thank you to everyone who's making our institution shine.

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

QUALITY INITIATIVES

- National Education Policy Implementation

- Dissemination of Club Activities in all Departments

- Formation of Institutional Social Responsibility Cell

- Initiatives for Research Promotion

- Initiation of 24 Hours Hachathon in the Institution

- Conduction of Faculty Development Programs in all Departments

- Focus on Sustainability Development

- Handbook for Human Values and Ethics

- Handbook for Outcome Based Education

- Placement Activities

HACK ELITE 2023 - 24 HOURS HACKATHON
conducted by IT Department

STUDENT ACHIEVEMENTS

On October 20, 2023, S.A. Ajay Kumar and R. Vijayaraghavan,IV Year ECE students, secured a spot in the Battle of Robots 2023 finals in Russia. Their outstanding performance on December 16, 2023,earned them the second prize and a reward of 20 lakhs. Now, they are set to compete in the Super Finals on February 21, 2024,against teams from 16 countries worldwide.

III Year students from Department of AIDS Feron Arockiam S, Mohammed Feroz A, Preetha A, and Thalirnila S have emerged victorious in the app-a-thon organized by "Intel and Awiros" in the field of computer vision. They have been awarded a FIRST PRIZE of 2 lakhs for their outstanding achievement.
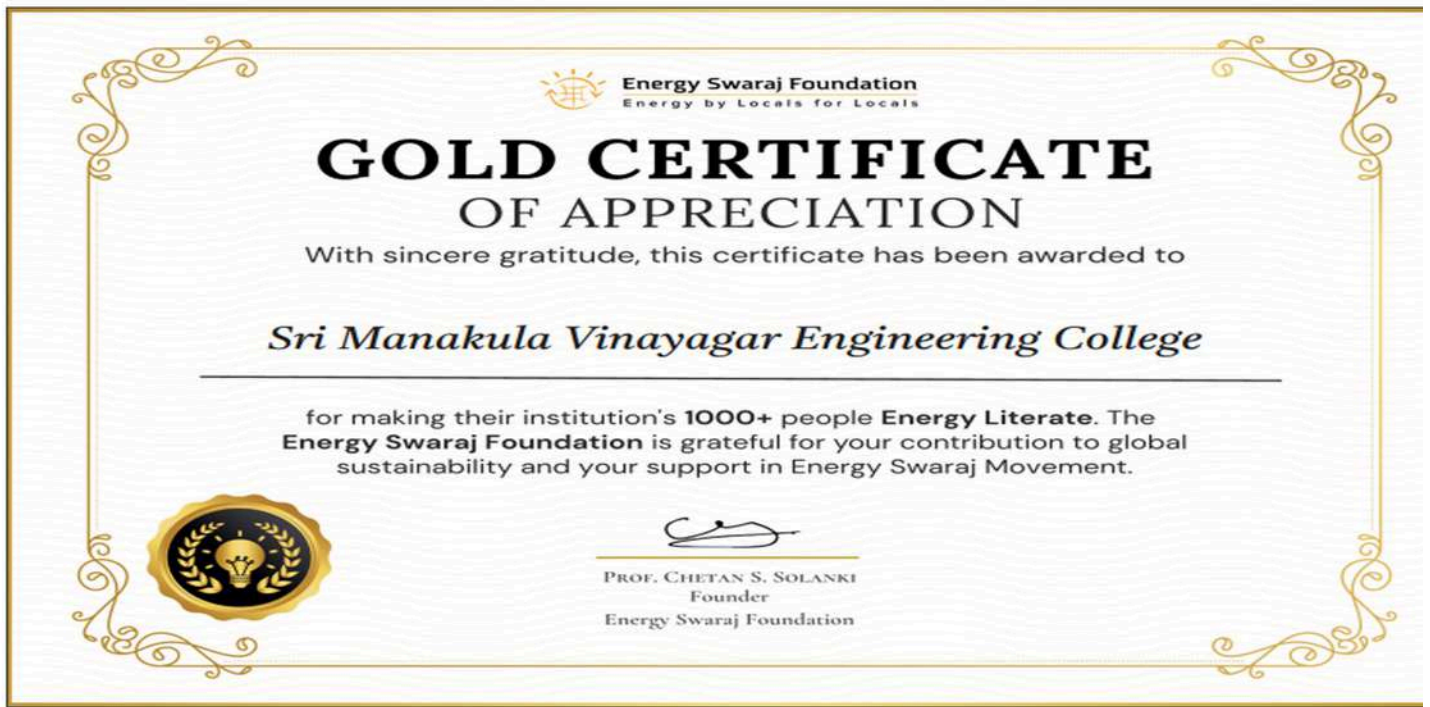

Web 3.0 Block Chain Hackathon 05/06/2023 HypermineDojima, Dorahacks, Banglore IT $1200 USD Worth in Dojimo Network

Department of CSE
PEGA Best Performer Award - 2023

Energy Swaraj Foundation
Energy by Locals for Locals

GOLD CERTIFICATE
OF APPRECIATION
With sincere gratitude, this certificate has been awarded to

Sri Manakula Vinayagar Engineering College

for making their institution's **1000+** people **Energy Literate**. The
Energy Swaraj Foundation is grateful for your contribution to global
sustainability and your support in Energy Swaraj Movement.

PROF. CHETAN S. SOLANKI
Founder
Energy Swaraj Foundation

Gold Certificate awarded by Energy Swaraj Foundation

talentnext   wipro

Wipro Certified Faculty Program

CERTIFICATE

AWARDED TO

Jenithamary C

For participating in the training program on .NET Full Stack conducted by
TalentNext from 27-Nov-2023 to 15-Dec-2023.

Bibhuti Patnaik
General Manager
Talent Skilling
Wipro Limited

Katari Nirmala
Head – TalentNext
Talent Skilling
Wipro Limited

15-Dec-2023

talentnext   wipro

Wipro Certified Faculty Program

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Vijaya Prabhu R

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Bibhuti Patnaik
General Manager
Talent Skilling
Wipro Limited

Katari Nirmala
Head – TalentNext
Talent Skilling
Wipro Limited

15-Dec-2023

WIPRO CERTIFIED FACULTIES

SRI MANAKULA VINAYAGAR ENGINEERING COLLEGE

An Autonomous Institution
Approved by AICTE New Delhi,
Accredited by NAAC with 'A' grade, Accredited by NBA-AICTE, New Delhi
Puducherry-605 107

25 years of ACADEMIC EXCELLENCE

MHRD

MIC

INSTITUTION'S INNOVATION COUNCIL

Viksit Bharat
@2047 Utsav

Inaugural Address by Hon'ble Prime Minister of India

Mon, 11th Dec, 2023 | 10:15 am onwards

INSTITUTION'S INNOVATION COUNCIL
(Ministry of HRD Initiative)

https://pmindiawebcast.nic.in/

Venue: Auditorium

| Date/Day	Name of the Activity
13.12.2023/Wednesday	Dissemination of 'VIKSIT BHARAT@2047' Posters and Presentations
13.12.2023/Wednesday	Seminar on Generative AI and its Applications
13.12.2023/Wednesday	An awareness Program for first year Student of CSE
14.12.2023/Thursday	Celebration of National Energy Conservation Day - Poster presentation and Essay Competition
15.12.2023/Friday	Participation of Faculties in webinar and Idea Presentation
15.12.2023/Friday	IDEA CONTEST
15.12.2023/Friday	Lecture on Viksit Bharat Utsav on 15.12.23 at 11:00 am at J.N Auditorium, Pondicherry University Campus:
16.12.2023/Saturday	Seminar on Effective Governance and Security and Interaction with External Expert
16.12.2023/Saturday	Workshop on Basic Electronics Components for Second Year Students
18.12.2023/Monday	Seminar on Cyber Security
18.12.2023/Monday	Viksit Bharat @2047- Voice of Youth
19.12.2023/Tuesday	Debate on Waste Management
19.12.2023/Tuesday	One Day Seminar on 'Solid waste management: Scope and the challenges of sustainability'
20.12.2023/Wednesday	Poster Presentation on the Topic of "ENERGY SAVING"
20.12.2023/Wednesday	Quiz Competition on Viksit Bharat
21.12.2023/Thursday	Drawing and Poster Making Competition Conduced for student on the topic "SUSTAINABLE ENERGY"
22.12.2023/Friday	"SMVEC Rolling Trophy"- Mega Quiz Contest
23.12.2023/Saturday	Campus Cleaning Program
23.12.2023/Saturday	ICE department organized a poster presentation competition for II year students

SMVEC - AICTE IDEA LAB FDP Inauguration

YOU CAN FLY,
Your Backers Aero Modelling Pvt Ltd.,

PCB Making Introduction
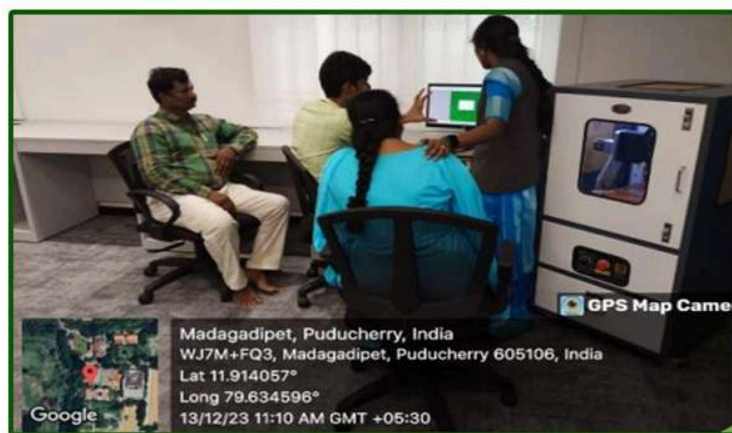
IoT Systems And Applications

Ideation Workshop

- The Department of Electrical & Electronics Engineering organized a Guest Lecture on "Trouble Shooting and Installation Procedure of Invertor cum Battery & Solar Panel" on 01.07.2023.
- The Department of Electrical & Electronics Engineering organized a Guest Lecture on "Trouble Shooting of Laptop and CPU" on 19.08.2023.
- The Department of Electronics & Communication Engineering organized a Guest Lecture on "Basics of Communication Protocols" on 10.07.2023.
- The Department of Electronics & Communication Engineering organized a Guest Lecture on "Recent Technology in Electric Vehicle and Charging Station" on 22.07.2023.
- The Department of Electronics & Communication Engineering organized a Guest Lecture on "Transforming Wireless Communication through Cutting-Edge Antenna Design" on 04.10.2023.
- The Department of Mechanical Engineering hosted a Guest Lecture on "Recent Technology Developments in Powder Metallurgy and Applications" on 04.11.2023.
- The Department of Management Studies conducted a Guest Lecture Series on "Recent Trends in Sustainable Management Practices" on 09.12.2023.
- The Department of MCA students attended a Guest Lecture on "Importance of Reading Skills" by Dr. R. Asokan on 19.06.2023.

RESEARCH AND DEVELOPMENT

Key Highlights from June 2023 to Dec 2023	
Category	Total
Research papers published in Reputed Journal	28
Consultancy projects	03
Product Patent Filed	07
MoU Signed	03
Programs conducted related to research	04

PUBLICATIONS

- Sundararaman, S., & Sathiyasree, D. (2023). A Systematic Review of Structural Health Monitoring in Composite Structures. European Chemical Bulletin, 12(Si6), 3649–3659. https://doi.org/ ISSN 2063-5346.
- Raju, R., & Kalaiselvi, N. (2023). Optimal Cryptographic Approach Based on Secure Post-Quantum Cryptographic Algorithms and Classical Algorithms. In Stochastic Processes and Their Applications in Artificial Intelligence - July, 2023 , IGI Global.
- Karunamurthy, A., Sackthivel, K., & Karthikeyan, T. (2023). Novelty Algorithm for Climate Change Mitigation and Adaptation: Dynamic Carbon Pricing with AI-Driven Emissions Forecasting. Madhya Bharti, Vol(Issue),ISSN 0974-0066.

MEMORANDUM OF UNDERSTANDING

Memorandum of Understanding with
PDY HR CIRCLE on 22.07.2023

Memoranda of Understanding with
HATTUSSA IT SOLUTIONS on 05.07.2023

RESEARCH AND DEVELOPMENT

One Day Seminar on 'Solid waste management'

Workshop on IPR for patent filing 20-11-202

Product Patent Filed CPR Number

Indian Patent Office Chennai

PATENT OFFICE
INTELLECTUAL PROPERTY BUILDING
G.S.T. Road, Guindy, Chennai-600032
Tel No. (091)(044) 22502081-84 Fax No. 044 22502066
E-mail : Chennai-patent@nic.in
Web Site : www.ipindia.gov.in

GOVERNMENT OF INDIA

INTELLECTUAL PROPERTY INDIA
PATENTS| DESIGNS| TRADE MARKS
GEOGRAPHICAL INDICATIONS

CHALLAN TR-5
Docket Number:71869

Date/Time : 20/07/2023
Agent Number:

To,
SRI MANAKULAVINAYAGAR ENGINEERING COLLEGE
MADAGADIPET, MANNADIPET COMMUNE, PUDUCHERRY-605107 jaijat07@gmail.com 9600914308

Sr No.	CBR No.	Reference Number /Application Type	Application Number	Title/Remarks	Amount Paid
1	32494	ORDINARY APPLICATION Pages:-9 , Claims:-0,Drawings:-3,Abstract:-1,Claims pages:-0	202341048884	NOVEL AIR COMPRESSOR FOR OXYGEN CONCENTRATOR	1750
2		E-101/10084/2023-CHE	202341048884	Correspondence	0
3		E-2/3346/2023-CHE Pages:-0 , Claims:-0,Drawings:-3,Abstract:-1,Claims pages:-0	202341048884	Form2	0
4		E-106/5265/2023-CHE	202341048884	Form28	0
Total :					1750

Received a sum of Rs. 1750 (Rupees One Thousand Seven Hundred & Fifty only) through

Payment Mode	Bank Name	Cheque/Draft Number	Cheque/Draft Date	Amount in Rs
Draft	Indian Overseas Bank	347781	03/05/2023	1750

Note: This is electronically generated receipt hence no signature required.

SPORTS ACTIVITIES

Inter College Basketball Tournament
held at Pondicherry University

Cricket ,Inter Colleiate Tournament 2023
conducted by Election Premier League

In the Department of Civil Engineering, Guruprassat, a III year student, participated in the National level tug of war Competition held from 04.12.2023 - 08.12.2023 in Maharashtra.

In the Department of Electrical and Electronics Engineering department organized "Intra department Chess tournament" on 10.07.2023 and 11.07.2023. Team from the department of CSBS won first prize, Second prize was won by BME department. EEE department won Third prize. Fourth place was shared by EEE and AI&DS in the tournament.

In the Department of Management Studies, P. Nidthiyavathi, a final year student, won the 2nd Prize in the Inter College Basketball Tournament held at Pondicherry University on 07.11.2023.

PLACEMENT RECORD (2023-2024)

S.NO	COMPANY	TOTAL OFFERS	SALARY PACKAGE
1	KAAR	5	6.5
2	HEXAWARE	66	4 to 6
3	TCS (PLM)	8	3.36
4	UNISYS	11	8.75
5	VIRTUSA	15	5.5
6	KORE.AI	18	5.5
7	TCS (PEGA)	18	3.86 to 7.0
8	ZOHO	7	5.5 to 7
9	SOCIETE GENERAL	5	5.43
10	RENAULT NISSAN	10	4.25
11	COMMVIVA	1	4.5
12	MITSOGO	1	4
13	ZIFO	3	4.76
14	VISTEON	7	7
15	VALEO	1	4.25
16	HEALTHWATCH	12	3.22
17	HFFC	6	5.5
18	VODAFONE	2	7
19	FORD	5	6
TOTAL OFFERS		201	

PHOTO GALLERY

Chief Guest:Shri.Elango Pandarinathan,MD
Hindusthan Oil Exploration Company

STUDENTS AWARDED DEGREE

About the Institution

Sri Manakula Vinayagar Engineering College was established in the year 1999. The Institution has been approved by AICTE, New Delhi, and affiliated to Pondicherry University. It is the first Institution established the 'Nila Community Radio Station' with the approval of Government of India. The University Grants Commission (UGC) granted Autonomous status for the period of ten years (2019 - 2029).

The Institute is accredited by NAAC with "A" grade and NBA - AICTE, New Delhi and also accredited by the IT giant Tata Consultancy Services (TCS). Within a short span of time, the Institution has attained an enviable reputation by possessing all the hall marks of a primer Institution in the pursuit of excellence. The Institution aims at equipping budding professionals with excellent theoretical and practical knowledge. It also pride in developing the students with leadership and interpersonal skills and thus shaping them as a strategic scholars with competitive spirit who will be capable of delivering their best in the technological world.

Vision

To be globally recognized for excellence in quality education, innovation and research for the transformation of lives to serve the society

Mission

M1: Quality Education: To provide a 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.

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

Dear Stakeholders,

I am delighted to inform that we conduct silver jubilee celebrations in a grand manner as Sri Manakula Vinayagar Engineering College established in the year 1999 completes 25 years of academic excellence. The silver Jubilee Celebrations include arranging expert lectures involving all stake holders on recent technological innovations, awareness and use of technology to meet Sustainable Development Goals, Intercollegiate projects exhibitions, Hackathon for circuit and core branches, Honouring top alumni and persons from all walks of life, adoption of villages, conduction of Marathon and cycle rally emphasizing on social good, conduction of National and International events, skilling program, opening photo gallery depicting the growth of SMVEC besides the mega music event and culturals for students.

Besides this, our Institution has been ranked in the band width of 201-300 by National Institutional Ranking Framework (NIRF-2024), Ministry of Education, Government of India. This is the testimony to our constant efforts striving for excellence. On this occasion, I extend my heartfelt gratitude to each one of you for your valuable support and contributions spanning over the past 25 years.

As we commemorate this milestone, I would like to express my deepest appreciation to IQAC for its involvement in ensuring quality, excellence and continuous improvement focusing on building the reputation of Institution and contributing to the growth of Society

Let us continue to work together in shaping the future of our students and contribute to the nation's building. Thank you once again, and looking forward to many more years of success and collaboration!

Warm regards,

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

BOARD OF STUDIES MEETING

The 8th meetings of Board of Studies were conducted for the following Programmes in Engineering and the Curriculum Advisory Committee of the department has framed the Syllabi as per SMVEC Autonomous Regulations 2023 and the details were submitted to Board of Studies. The Board of Studies members have given approval with some suggestions. Finally, after making the necessary corrections the Board of Studies approved the minutes.

www.smvec.ac.in

STUDENTS ACHIEVEMENTS

The Bureau of Indian Standards organized an Essay Writing Competition on the theme "Standards on Stainless Steel Bottles" on August 20, 2024. The students from for the Department of Computer Science and Engineering and Business Systems Harish S secured the 1st prize with a cash award of Rs. 1000, Guhan R won the 2nd prize with a cash award of Rs. 750, and Aseem Ahamed N and Mohit Aravind R S each received a cash prize of Rs. 250.

On 10th August 2024, Hariprabu, Dhanushgandh, and Navdeep from the Department of ICE, III year, participated in a Technical Quiz event held at Velammal Engineering College. They secured the 2nd prize and were awarded a cash prize of Rs. 750.

On 20th August 2024, students Sneha S. , Mohamad Fazil J. and Abilash G. S. from the Department of Mechatronics (Second and Third Year) participated in the Standards Writing Competition organized by the Bureau of Indian Standards in Chennai, where they secured the 1st prize and received a cash award of Rs. 1,000.

On 12th August 2024, Additya S. from the Department of Mechatronics (Final Year) participated in a Paper Presentation event at SRM Institute of Science and Technology (SRMIST), Chennai. He secured the 1st prize with a cash award of Rs. 3000.

STUDENTS ACHIEVEMENTS

On 31st August 2024, students from the Department of Information Technology participated in an online course titled "Introduction to MongoDB," offered jointly by the ICT Academy and MongoDB. A total of 253 students from the department completed the course and received certificates.

On 10th August 2024, A. Harikrishnan and Abdur Rehman III-year students from the Department of Computer and Communication Engineering, participated in the "Future Tech AI Hackathon" organized by Thamizhar Startup Company, Hosur. They secured the second prize, winning a cash award of Rs. 13,000.

On 19th July 2024, the "ICON OF VILLUPURAM AWARD 2024" event was organized by PRASAD STUDIO and CYS MULTIMEDIA in Viluppuram. The event featured the participation of film music composer Mr. Srikanth Deva, film producer Mr. Arikaran, comedian Mr. Cool Suresh, and other special guests. During the event, Mr. K. Vaishal Maalu, a second-year student of AI&DS at SMVEC, was honored with an award from CYS MULTIMEDIA.

The Bureau of Indian Standards organized an Essay Writing Competition on the theme "Standards on Stainless Steel Bottles" on 20th August 2024 for the Department of Electrical and Electronics Engineering. Arokia Anandu Prasanthu A secured the 1st prize with a cash award of Rs. 1000, Mukeshkumar R won the 2nd prize with a cash award of Rs. 750, and two other students received a cash prize of Rs. 250 each.

RESOURCE PERSON

Dr. S. Dhivya, Assistant Professor in the Department of ECE, delivered a guest lecture at Annamalai University on August 14, 2024. The lecture highlighted the promising future prospects of the Electronics and Communication Engineering program, driven by rapid advancements in technology and the growing demand for skilled professionals in areas such as telecommunications, IoT, AI, and embedded systems.

Ms. P. Kirithika, Assistant Professor from the Department of ICE , SMVEC, delivered a guest lecture on "Embedded Systems and LabVIEW" at St. Joseph Engineering College, Chennai on 14th August 2024,

EXPERT LECTURES
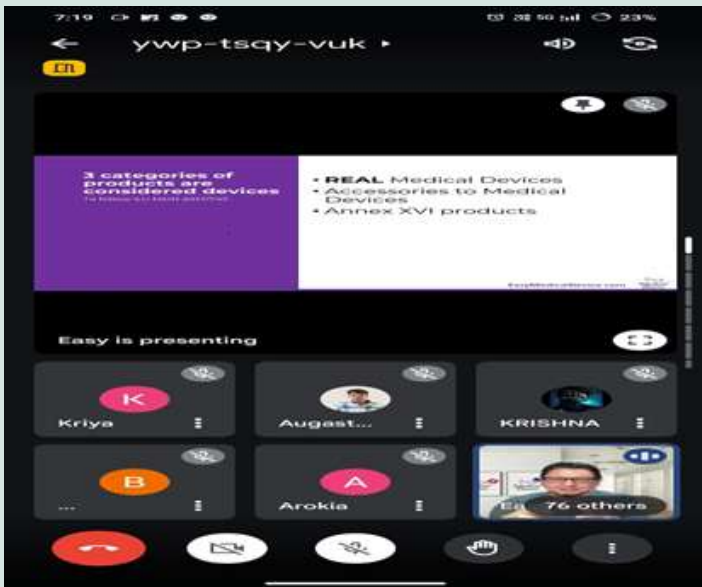
On July 6th, 2024, the Department of Biomedical Engineering organized an international webinar titled "How to Qualify a Medical Device in Europe." The resource person for the webinar was Dr. Monir El Azzouzi, Founder & CEO of Easy Medical Device, Basel Northwest, Switzerland. A total of 55 participants attended and benefitted from the webinar.

On July 19th, 2024, the Department of Biomedical Engineering organized an international webinar titled "The Modern Integrated Anesthesia Workstation." The resource person for the webinar was Er. Gedeon Ndayishimiye, Managing Director of the thanks HiFi Ltd, Rwanda, Africa. A total of 85 participants attended and benefitted from the webinar.

On July 27th, 2024, the Department of Biomedical Engineering organized an international webinar titled "Opportunities and Career Paths for Biomedical Engineers after Graduation." The resource person for the webinar was Mr. Khalid Ziada, Project Manager of the Biomedical Equipment Service Project at King Saud University, Riyadh, Saudi Arabia. A total of 94 participants benefitted from the webinar.

On July 31st, 2024, the Department of Biomedical Engineering organized an international webinar titled "Nanoscale Sensors & Actuators." The resource person for the webinar was Dr. S. Atheena Milagi Pandian, Founder & CEO of Atheena Pandian Pvt Ltd. A total of 55 participants attended the webinar.

On August 14th, 2024, the Department of Biomedical Engineering organized an international seminar titled "Medical Equipment 3D Design Simulation with Solidworks Software." The resource person for the seminar was Mr. Ashwinraj Rahul, Interior Designer at Ramadi Group, Dubai, UAE. A total of 101 participants attended the seminar.

On 29th July 2024, the Department of Civil Engineering hosted a national seminar titled "Living Sustainably in Harmony with Nature" in the Conference Hall. The seminar featured Dr. V. Krishnan, Officer on Special Duty (Retd.) at the State Training Centre, Directorate of School Education, Government of Puducherry, and Mr. P. Balagangadharan, Founder of MAIAM Foundation, who is also the Regional Head of THOFA (Tamil Organic Farmer Association) are the resource persons. A total of 214 participants benefitted from the seminar.

On 12th August 2024, the Department of Civil Engineering organized a national seminar titled "From Clicks to Progress: Youth Digital Pathways for Sustainable Development" in the Auditorium. The event featured Shri. Padma Jaiswal, I.A.S., Secretary to the Government (Sainik Welfare, Stationery & Printing, and FFC), Government of Puducherry, as the chief guest. The seminar saw an impressive participation of 472 attendees.

On 24th August 2024, the Fashion and Fusion Club of the Department of Fashion Technology organized a one-day hands-on training session on the SNLS machine, which was attended by third- and final-year students, providing them with practical exposure to the machine.

On 16th July 2024, the Department of Computer Science and Engineering organized a seminar on Artificial Intelligence in the Auditorium. Dr. N. Siva Kumar, Professor at Puducherry Technological University, was the chief guest and provided an insightful session on various AI tools. The event saw participation from 400 attendees, marking the occasion of World Artificial Intelligence Day.

On 8th August 2024, the Department of CSE organized a workshop on "Building Machine Learning Models" in the Auditorium. The session was led by Mr. S. Eswar, Associate at CTS, Chennai, who explained various machine learning models to an audience of 200 participants.

On 12th June 2024, the Department of Management Studies organized the "Innovative Managerial Practices" Programme for students. Group Captain Dr. R. Venkataraman (Retd), General Manager of MMA, delivered the Chief Guest address and shared his experience.

The Department of Electrical and Electronics Engineering (EEE) and the Center of Excellence for Electric Vehicles, in association with TVS Training & Services (TVSTS), organized a Four-Day Faculty Development Program (FDP) from 2nd July 2024 to 5th July 2024. The FDP focused on the Field of Electric Vehicles, with the aim of enhancing faculty members' understanding of electric vehicle technology and its applications. Experts from TVS Training & Services conducted sessions that included hands-on training and theoretical knowledge on the latest advancements in electric vehicles.

A guest lecture was hosted on 06.08.2024 for the Third Year C section students on the title "Advancing Real-Time Digital Signal Processing Through AI Integration: Techniques and Trends" with the resource person Mr.R.Sivavenkataesan , Senior Instructor, MSME Tool CITD Chennai, highlighted cutting-edge developments in DSP enhanced by AI technologies. It explored the use of machine learning models to improve real-time signal processing efficiency and accuracy. Key trends included deep learning for adaptive filtering and AI-driven algorithms for noise reduction. The lecture emphasized practical applications in fields like telecommunications and audio processing. It concluded with a discussion on future advancements and the potential of AI to revolutionize traditional DSP techniques.

A guest lecture was hosted on 27.08.24 for the Second Year C section students on the title " Exploring Sensor Technologies and their Impact on Modern Application" with the speaker Mr.Yeshvanth Muniraj . Embedded Systems Engineer, Analog Devices India pvt ltd. The session delved into the evolution and importance of sensors in various industries. It highlighted advancements in sensor technologies, including IoT, AI, and robotics. The speaker explained how sensors play a crucial role in data collection, automation, and real-time monitoring in healthcare, smart cities, and automotive sectors.

On 10th August 2024, the Department of ICE organized a guest lecture on "Internet of Things using Tinker CAD and Arduino UNO" for III-year students. The session was led by Er. A. P. Prabakaran, Director of Venus Electronics.

On 10th August 2024, the Department of Computer Science and Engineering organized an offline guest lecture on "Industry Trends in Software Project Planning and Estimation" at the CSE Seminar Hall. Mr. A. Abdul Hasif, a System Engineer at Tata Consultancy Services, Chennai, was the resource person, addressing 195 students. The lecture aimed to provide insights into the latest industry trends and best practices in software project planning and estimation, bridging the gap between academia and industry while equipping participants with practical knowledge and skills.

On 27th July 2024, the Department of EEE organized a guest lecture for third-year students on the core concepts of Electrical Engineering. Mr. Selvakumar, Senior Validation Engineer at Qualcomm, shared valuable insights and practical knowledge, linking key principles with real-world applications.

On 10th August 2024, Mr. S. Selvakumar, Senior Validation Engineer at Qualcomm, delivered a lecture for EEE students about careers in core industries. He shared insights into the various opportunities available in the field and the skills needed to succeed in these sectors.

On 6th July 2024, the Department of EEE organized a guest lecture on launching a career in electric vehicles. Mr. Mohammed Samiuddin, Deputy General Manager at TVS Training & Services (A TVS Group company), delivered the session, providing valuable insights into career opportunities for fresh graduates in the electric vehicle industry.

On 10th August 2024, Ms. Rajani Manchineela, Graduate System Engineer at HCL, Chennai, delivered a lecture on the awareness of IEEE membership and its benefits. She provided valuable insights into how joining IEEE can enhance professional development and networking opportunities for students in the engineering field.

An expert lecture titled 'Advancing Real-Time Digital Signal Processing Through AI Integration: Techniques and Trends' was organized by the Department of Electronics and Communication Engineering on August 6, 2024. Mr. R. Sivavenkataesan, Senior Instructor at MSME Tool Room, CITD Chennai, delivered the lecture

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Department of
Electronics and communication Engineering

Lecture on
Advancing Real-Time Digital Signal Processing through AI Integration: Techniques and Trends

Mr.R.Sivavenkatesan
Senior Instructor, MSME Tool Room
CITD (Govt of India), Chennai

Date : 06 Aug 2024   Session Timing : 10.30 AM

Venue : Lecture Hall

Event coordinator
Dr.S.Dhivya

FACULTY RECOGNITION

REVIEWER CERTIFICATE | 2024

This certificate is awarded to

Dr. N. Saranya

in recognition of their hard work as a peer reviewer for

IETE Journal of Research

Thank you for your contribution to the journal. The dedication of our reviewers is invaluable in safeguarding the quality and high standard of academic integrity in the research we publish.

Taylor & Francis
Taylor & Francis Group

Routledge
Taylor & Francis Group

In July 2024, Dr. N. Saranya, Assistant Professor in the Department of ECE, achieved notable recognition as a peer reviewer for two esteemed journals. She received an award certificate from the IETE Journal of Research for her contributions and also earned a certificate from the Engineering Review Journal for her role as a peer reviewer.

Mr. J. Muruganandham, Assistant Professor, successfully completed the Master Training Program from 3rd June to 14th June 2024. During this program, he gained advanced knowledge and skills in High-Performance Computing (HPC), covering key topics such as HPC basics, computer architecture, HPC clusters, Linux and shell scripting, Parallel Programming Models, Job Schedulers, and CUDA programming.

MEMORANDUMS OF UNDERSTANDING

Madagadipet, Puducherry, India
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he Research and Development(R&D) Cell signed an MoU with ICAR-Central Institute of Fisheries Technology (CIFT), Kerala on June 19, 2024.

The Research and Development Cell signed an MoU with Factor Y, a German-based organization specializing in CBaaS (Company Building as a Service), at Hyderabad On June 15, 2024.

PLACEMENT HIGHLIGHTS
(June - August 2024)

102 OFFERS

85 OFFERS

Hexaware
TECHNOLOGIES

06 OFFERS

tcs PEGA

06 OFFERS

American Megatrends

05 OFFERS

unisys

We are proud to announce the placement achievements for the period of June to August 2024 and continues..........

Sponsored two-day's workshop on
SkyCraft - Insights into Drones

The Department of Electronics and Communication Engineering successfully organized an IEEE-sponsored two-day workshop titled "SkyCraft - Insights into Drones" on August 9-10, 2024. This event provided a unique platform for students and professionals to delve into the advanced concepts of drones and emerging technologies. The workshop was inaugurated by Mr. R. Navaneethakrishnan, Chairman of the IEEE Education Society Madras Section, who formally launched the event and provided an insightful overview of the IEEE workshop. His address highlighted the importance of such initiatives in fostering technical skills and knowledge among young engineers. The workshop sessions were led by Dr. Krishna Prasad, CEO and Co-Founder of KANPROKAGNO INNOVATION Private Limited. With his extensive expertise, Dr. Prasad conducted highly engaging and informative sessions on the integration of the Internet of Things (IoT) with drone technologies. His practical demonstrations and expert insights enriched participants' understanding of these cutting-edge fields.

During the valedictory function, Mr. Sai Prashanth Mallelu, Chair of IEEE Education Society Young Professionals, Adhoc Committee, India, delivered an inspiring address. He commended the participants for their enthusiasm and dedication, while also emphasizing the importance of commitment to one's goals and aspirations as IEEE members. Mr. Niranjan Kumar S, Vice Chairman (Industry Relations & Entrepreneurship), IEEE Educational Society Global YP Adhoc Committee, and Organizer from the IEEE Madras Section, concluded the event with a heartfelt vote of thanks. He encouraged students to actively seek project funding opportunities and pursue innovative projects, further motivating them to excel in their technical endeavors.

KARGIL VIJAY DIWAS 25TH ANNIVERSARY CELEBERATION

The 25th anniversary of Kargil Vijay Diwas, commemorated on July 26, 2024, was marked with events across India to honor the bravery and sacrifice of Indian Armed Forces during the Kargil War of 1999. The day symbolizes India's victory in Operation Vijay, reclaiming strategic positions in Kargil, Ladakh, from intruding forces.

On 26th July 2024, SMVEC hosted a celebration for the 25th Anniversary of Kargil Vijay Diwas in the auditorium. Kargil Vijay Diwas is observed annually to commemorate India's victory against Pakistani invaders during the Kargil War of 1999. This day also honors the countless Indian soldiers who sacrificed their lives in this Pakistan-initiated conflict. The chief guest for the event was Subedar Major K. Paramasivam, a respected 62-year-old ex-serviceman.

78TH INDEPENDENCE DAY CELEBRATIONS

Viksit Bharat, or Developed India, is an ongoing carnival celebrating the 78th year of India's independence. The theme aims to reflect on India's progress and envision its growth by 2047. On 15th August, Independence Day was celebrated at the college, symbolizing the vision of a developed nation and the government's commitment to transformation. The college chairman hoisted the flag at 9am, followed by a march-past by students from various departments to showcase their patriotism. The chief guests distributed prizes to academic rank holders and winners of various Independence Day events.

SMVEC AICTE - IDEA LAB ACTIVITIES

A Hands-on Training Program on Electronic Section Tools and Equipment was organized for the host institute students from 5th July to 11th July 2024

A Skilling Program on 3D Printing Training was organized for the host institute students from 6th to 12th July 2024.

Two batches of the Hands-on Learning and Exploration Through Drone Workshop were organized. Batch-I was held from 9th August to 16th August 2024, followed by Batch-II from 10th August to 17th August 2024. Both workshops provided practical training and exploration opportunities for participants in drone technology.

On 21nd August 2024, an Open Day event was organized at the IDEA Lab for students from Primrose School. The event provided the students with an opportunity to explore the lab's facilities, engage in hands-on activities, and gain insights into innovative technologies. The open day aimed to inspire and encourage young minds by showcasing the potential of creative and technical learning environments.

On 22nd August 2024, an Open Day event was organized at the IDEA Lab for the students of Sri Manakula Vinayagar Polytechnic College. The event provided an opportunity for the students to explore the lab's advanced facilities and engage in interactive sessions, fostering a hands-on learning experience in various technological fields

CENTER OF EXCELLENCE ELECTRIC VEHICLE ACTIVITIES

A comprehensive series of Life Skills Programmes on Electric Vehicles, organized by the Center of Excellence Electric Vehicle (EV), were conducted for students from various departments. The training sessions were led by Mr. Vinoth Rajasekar, EV Manager at TVS-T&S, Ambattur Industrial Estate, Chennai.

1. Batch 1 (IV Year/VII Sem): A 5-day training program was held from 25th September to 1st October 2024, benefiting 14 students
2. Batch 2 (III Year/V Sem): Another 5-day training program was organized in four phases from 26th August to 30th August 2024, 2nd September to 9th September 2024, 10th September to 14th September 2024, and 18th September to 24th September 2024, benefiting 32 students.
3. Batch 3 (II Year/III Sem): The same 5-day training program was conducted in the same four phases as above, benefiting 23 students.

The training covered essential topics related to electric vehicles, including battery selection, electric motor choices for different vehicle capacities, fundamentals of electric vehicles, and components such as the Battery Management System (BMS), spot welding, Advanced Driver Assistance Systems (ADAS), Controlled Area Network (CAN), and testing of PMSM (Permanent Magnet Synchronous Motor) and BLDC motors. Power converters and tools used in electric vehicles were also explored, providing students with both theoretical insights and hands-on experience

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வெள்ளி விழா கொண்டாட்டம்: கல்வியால் மனித வள மேம்பாடு

உலகில் நீர் வளம், நில வளம், கனிம வளம் மற்றும் மனித வளம் என எண்ணற்ற வளங்கள் இருந்தாலும், அவற்றில் முதன்மையான வளம் மனித வளம் மட்டுமே. உலகில் வளர்ந்த நாடுகளின் முன்னேற்றத்திற்கு மனித வளமே முக்கிய பங்காக இருந்து வருகிறது.

இந்த மனித வளத்தை பயன்படுத்துவதற்கான முயற்சி இந்தியாவில் பல்வேறு காலகட்டங்களில் பல பரிணாமங்களை அடைந்துள்ளது. இந்தியாவின் சுதந்திரத்திற்கு பின் (1947-1960), தொழிலாளர்களின் நலன் மற்றும் தொழில்துறை உறவுகள் மையமாக இருந்தன. 1970-80களில் தொழிலாளர் நலத்திட்டங்கள் முக்கியமாக இருந்தாலும், இந்தியாவில் பொருளாதார வளர்ச்சி மந்தமாகவே இருந்தது.

இந்த வளர்ச்சியைத் துரிதப்படுத்துவதற்காக, 1991ஆம் ஆண்டு சர்வதேச நாணய நிதியின் ஆலோசனைப்படி இந்தியா உலகமயமாக்கல் கொள்கையை ஏற்று செயல்படுத்தியது இதனால்

- இந்தியாவில் உற்பத்தி மற்றும் சேவைத் துறைகளில் தொழில்நுட்பத் திறன்களுடன் கூடிய திறமையான தொழிலாளர்களுக்கான தேவை அதிகரித்தது.
- அறிவியல் மற்றும் தொழில்நுட்ப கண்டுபிடிப்புகளில் பிறசார்பு நிலையிலிருந்து தற்சார்பு நிலைக்கு இந்தியா மாற வேண்டிய அவசியம் ஏற்பட்டது

இந்த தேவைகள் அனைத்தையும் மனித வளத்தை மேம்படுத்தினால் மட்டுமே நிறைவேற்ற முடியும் என்ற நிலை உருவானது. இந்த நிலையை உணர்ந்து தரமான கல்வியை அளிப்பதன் மூலம் மனித வளத்தை மேம்படுத்தி அதன் மூலம் சமூக மற்றும் பொருளாதார முன்னேற்றத்திற்கும் தேச கட்டமைப்பிற்கும் வழி வகுக்கும் என்ற எண்ணத்தில் 1999ஆம் ஆண்டு ஸ்ரீ மணக்குள விநாயகர் பொறியியல் கல்லூரி தொடங்கப்பட்டு இது வரை 7000 மேற்பட்ட மாணவர்களுக்கு வேலை வாய்ப்பினை ஏற்படுத்தி கொடுத்து உள்ளது. தொழில்நுட்ப புரட்சி, திறன் மேலாண்மை மற்றும் எண்முறை யுகத்தில் ஏற்பட்ட மனித வள தேவையை பூர்த்தி செய்வதில் பெரும் பங்கு ஆற்றியுள்ளது. இதன் மூலம் இந்தியாவின் பொருளாதார வளர்ச்சியில் பங்குபெறுவதில் நமது கல்லூரி பெருமை கொள்கின்றது.
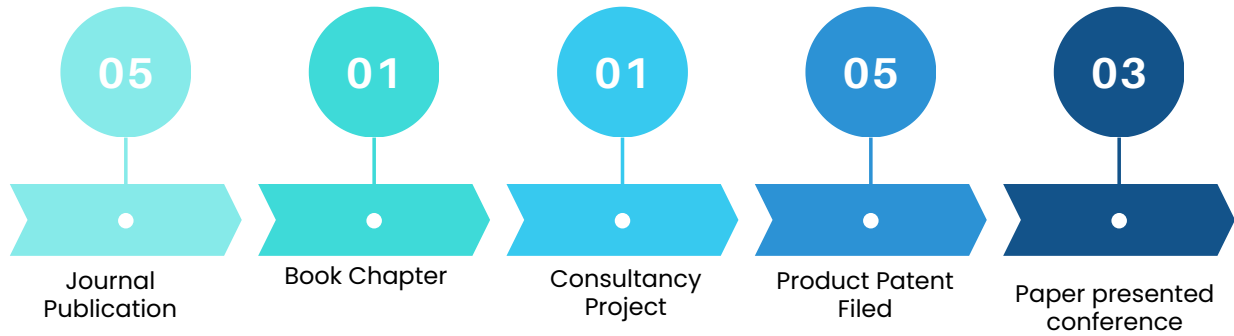
இந்த வெற்றிகரமான பயணத்தின் ஒரு பகுதியாக, தனது 25ஆம் ஆண்டில் அடியெடுத்து வைத்து, வெள்ளி விழாவை கொண்டாடுவதில் ஸ்ரீ மணக்குள விநாயகர் பொறியியல் கல்லூரி மகிழ்ச்சி அடைகிறது.

இதற்கு உறுதுணையாக இருந்த பெற்றோர்கள், தொழில் நிறுவனங்கள், தொழில் வல்லுநர்கள், முன்னாள், இந்நாள் மாணவர்கள், ஆசிரியர்கள் மற்றும் இதற்கு பேருதவியாக இருந்த கல்லூரி நிர்வாகத்திற்கும் தனது வெள்ளி விழா ஆண்டில் நன்றியை தெரிவிப்பதில் அகத் தர உறுதிக் குழு (IQAC) மகிழ்ச்சியும் பெருமையும் அடைகின்றது.

சிந்தனைக்காக...

அகத் தர உறுதி குழு(IQAC)

RESEARCH AND DEVELOPMENT CELL

05	01	01	05	03
Journal Publication	Book Chapter	Consultancy Project	Product Patent Filed	Paper presented conference

On 30th August 2024, the Research and Development Cell organized a seminar on "Accelerate Team Collaboration and Connectivity for Successful Consultancy Projects" by Dr. G. Balaganesan, Project Coordinator, Central Skill Training & Fabrication Facility, IIT Madras, Chennai.

SILVER JUBILEE CELEBRATION   KICK OFF EVENT

The festivities kick off in spectacular fashion with a Grand Mela, brimming with energy, excitement, and a showcase of rich cultural heritage

- Banner Dropping Ceremony: Witness the grand unveiling of our Silver Jubilee banner, symbolizing the legacy and milestones we've achieved over the years.
- Poikal Attam: Delight in the vibrant and dynamic performance of this traditional Tamil Nadu folk dance, where performers on stilts captivate audiences with their artistry.
- Mayilattam: Experience the grace and beauty of dancers embodying the majestic peacock, blending rhythm and storytelling in a visual treat.

SILVER JUBILEE CELEBRATION

KICK OFF EVENT | 24-07-2024

BANNER DROPPING

SILVER JUBILEE CELEBRATION

MARATHON | 24-07-2024

SILVER JUBILEE CELEBRATION

ALUMNI TALK

On 05.08.2024, Mr. Krishna Chandhar J, UX Module Lead, and Mr. Balaji Ramesh, Senior UI/UX Designer from Aspire Systems, Chennai, delivered the inaugural lecture of the "Journey into UX/UI Design" series as part of SMVEC Alumni's Silver Jubilee Celebration held in the Auditorium from 2:00 PM. The lecture offered valuable insights into UX/UI design, blending creativity and functionality, and was well-received by all.

ALUMNI TALK

On 09.09.2024, Mr. Krishna Kumar, Chief Executive Officer of Support Studio Technologies, Puducherry, delivered an insightful alumni talk on "How to Become an entrepreneur". The session, attended by eager students and faculty members, began a 12:00 PM, offering valuable guidance on the entrepreneurial journey, particularly in the tech industry

EXTENSION ACTIVITIES

On 26th June 2024 our students took part in World Drug Day, also known as the International Day Against Drug Abuse and Illicit Trafficking, held at Orleanpet Police Station and organized by the Police Department.

On 14th June 2024 our volunteers participated in the Walkathon program organized by JIPMER Hospital in celebration of World Blood Donor Day 2024.

On 18th August 2024, our volunteers were involved in a beach cleaning activity at Pondy Marina.

On 30th August 2024, our students participated in the RED RUN blood donation awareness marathon at Puducherry Beach.

On 19th August 2024, our students participated in the Native Herbal Plants Awareness program

On 30th August 2024, our college conducted an Orientation Programme for NSS officers on the MY BHARATH portal.

On 19th August 2024, our volunteers participated in the AIDS Awareness Human Rally.

EDITORIAL BOARD

- **Dr.A. A. Arivalagar** - IQAC Coordinator
- **Dr.P. Raja** - Member IQAC Core
- **Dr.S. Sundararaman** - Member IQAC Core
- **Dr.S. Balaji** - Member IQAC Core
- **Dr.A. Vinoth** - Member IQAC Core

SMVEC – IQAC

About the Institution

Sri Manakula Vinayagar Engineering College (SMVEC) established in the year 1999. SMVEC is an autonomous institution affiliated to Pondicherry University. It offers 14 undergraduate, 8 postgraduate, and 11 research programs in Engineering, Architecture, Management Studies and Computer Applications. 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 MNC companies in India and abroad. SMVEC students have won many awards and accolades for their academic achievements.

Vision

To be globally recognized for excellence in quality education, innovation and research for the transformation of lives to serve the society

Mission

M1: Quality Education : To provide a 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 a deep sense of human values by blending societal righteousness with academic professionalism for the growth of society.

Dear Stakeholders,

I am delighted to share our IQAC Newsletter for April to June 2024. This quarter has been marked by outstanding academic and extracurricular accomplishments by our students, whose dedication makes us all proud. Our faculty's innovative teaching and research contributions continue to enrich our academic environment, underscoring their commitment to excellence.

This period has seen significant progress across various domains. Our students have excelled in national and international competitions, and our faculty and students have published papers in reputed journals. Participation in community service programs has provided valuable experiences, while workshops and seminars have fostered learning and collaboration.

Looking ahead, let's continue to strive for excellence and embrace innovation. I extend my gratitude to the IQAC team for their efforts in compiling this newsletter and for dedicating one page to Tamil Language in the IQAC Newsletter. Thank you, everyone, for your continued support and cooperation.

Warm regards,

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

STUDENTS ACHIEVEMENTS

SMVEC students consistently excel in both academics and extracurricular activities, bringing great pride to our institution. From April to June 2024, they demonstrated outstanding achievements in various fields, reflecting their dedication, talent, and potential.

On May 8, 2024, Hemachander and Hemapushbavathy from final year CSE, along with Akshya and Kalaivani from first year ECE, secured the Third Prize worth Rs 1.5 lakhs along with job offers and internship opportunities at the Unisys Innovation Program Y15 2024, a national-level contest organized by Unisys in Bangalore.

On April 29, 2024, students Balaji N, Pavan K, and Divakar E from the Department of Information Technology secured the 2nd prize at Hackerrupt 24, a prestigious national-level hackathon held at IIT Madras Research Park.

On April 16, 2024, Pooja P., a second-year MBA student, won the Best Manager Award at SYNAPSE'24 symposium held at Pondicherry University, Puducherry.

On April 16, 2024, Snega V., Vijayalakshmy L., and Narmatha R., second-year MBA students, secured the First Prize in the Business Quiz at SYNAPSE'24, a student symposium held at Pondicherry University, Puducherry

On April 29, 2024, S. Dilip Kumar, D. Devanathan, and T.S. Gowtham, first-year MBA students, secured the First Place in the event "Digital Adventure" at the National Inter-Collegiate Management Fest "Data Analytics 2024," hosted by the Department of Management Studies, Pondicherry University, Puducherry

On April 16, 2024, Department of Mechanical Engineering students achieved remarkable success at events conducted by Pondicherry Technological University. Our II-year students won 1st prize in Robo Soccer, while II and III-year students secured 1st prize in the Sketch Up event. Additionally, R.S. Oviya from II-year won the second prize in the Super Science Bowl event.

On April 29, 2024, students from the I year MCA program achieved notable success at the DIGITRIX 2K24 event held at Achariya Arts and Science College. Thamizhpathi S. and Arunkumar C. won the first prize in the Code-Drive competition, while Charulatha R. and Nivetha U. secured the second prize in the same category. Additionally, Imran B. and Anirudhone V. clinched the first prize in the Technophilia competition.

On 3rd and 4th May 2024, Department of IT II-year students Ashigha M, Abishek Palani S, and Shobika G won the Second Prize in the Recursion 24 Hackathon organized by the Department of Computer Science at Pondicherry University.

On April 5, 2024, Abishek Palani and Thamimul Ansari M, students from the Department of IT II year achieved the Third Prize in a paper presentation at New Prince Sri Bhavani College of Engineering and Technology (An Autonomous Institution) Chennai.

On April 23, 2024, Poornima R and Megha K, students from the Department of IT I year B section, secured the First Prize in a paper presentation at Sai Ram Institute of Technology (An Autonomous Institution) Chennai.

On April 15, 2024, students from the Department of CCE received the Best Performance Award in INSTRONX'24, a technical event organized by Puducherry Technology University, Pondicherry.

On April 15, 2024, Bradhan S. and Naresh S., III-year students from the Department of CCE, won the First Prize in ROBO RACE at INSTRONX'24, a technical event organized by Puducherry Technological University, Pondicherry.

On April 25, 2024, Charumathi, Naviya Nikitha, Savundarya, and Niveda, III-year students from the Department of CSE, won the Second Prize in a paper presentation at University College of Engineering

On April 25, 2024, Nithish Kumar G., Agilashe A., and Jayaselan R., students from the Department of CSE, won the Second Prize in a technical quiz at a technical symposium organized by the Department of ECE, University College of Engineering

On April 17, 2024, Akshay Kumar, Abhay Pramod, and Ajay P., students from the Department of CSE, won the Third Prize and certificates in Coding and Debugging at the Tetronex event held at Pondicherry Technical University

On April 17, 2024, Benil, Harish Charan, and Pranav Kessavan, students from the Department of CSE, won the Third Prize in Idea Ignition and Paper Presentation at the Tetronex event held at Pondicherry Technical University

On April 15 and 16, 2024, Roshan P. from the Department of CSBS participated and won the Second Prize in the Anime Quiz event at TETRON-X 2K24, conducted by the Department of Mechatronics Engineering, Puducherry Technological University

On April 25, 2024, Edison James from the Department of CSBS participated and won the First Prize in the Pushups event at INSTRONIX 2024, conducted by the Department of Electronics and Instrumentation Engineering, Puducherry Technological University

On April 24 and 25, 2024, Gurupriya from the Department of CSBS participated and won the First Prize in the Technical Quiz at INSTRONIX 2024, conducted by the Department of Electronics and Instrumentation Engineering, Puducherry Technological University

On April 15, 2024, Logesh S., Keerthivasan S., and Govardinan S., students from the Department of ECE, won the First Prize in ROBO SUMO at a technical symposium organized by PTU

On April 23, 2024, Bhuvaneshwaran M., Balakumaran R., and Vijaisriram G., students from the Department of ECE, won the First Prize in Circuit Debugging at a technical symposium organized by Info Institute of Technology

Ø The final year students from the Department of Civil Engineering have been awarded the "Best Performance Award" for their paper presentation at the International Conference, "ICREAMER '24," held at Dhanalakshmi Srinivasan College of Engineering and Technology in Chennai.

On April 23, 2024, Bhuvaneshwaran M., Balakumaran R., and Vijaisriram G., students from the Department of ECE, won the First Prize in Treasure Hunt at a technical symposium organized by Info Institute of Technology

On April 17, 2024, Rijul Nambiar P., Sudarsan C., Sujith S., Swetha J., and Mohan Raj, students from the Department of ECE, participated in the Election Awareness Reels Competition conducted by the Chief Election Commission and won a cash prize of Rs. 15,000

On April 23, 2024, Nithya Shree, Bhavani Shree S., and Gayathri D., students from the Department of ECE, participated in Avesha 2024 conducted by Anna University, Tiruchirapalli, and won the First Prize in the Technical Quiz

On April 23, 2024, Nithya Shree and Bhavani Shree S., students from the Department of ECE, participated in Avesha 2024 conducted by Anna University, Tiruchirapalli, and won the Third Prize in the Project Expo
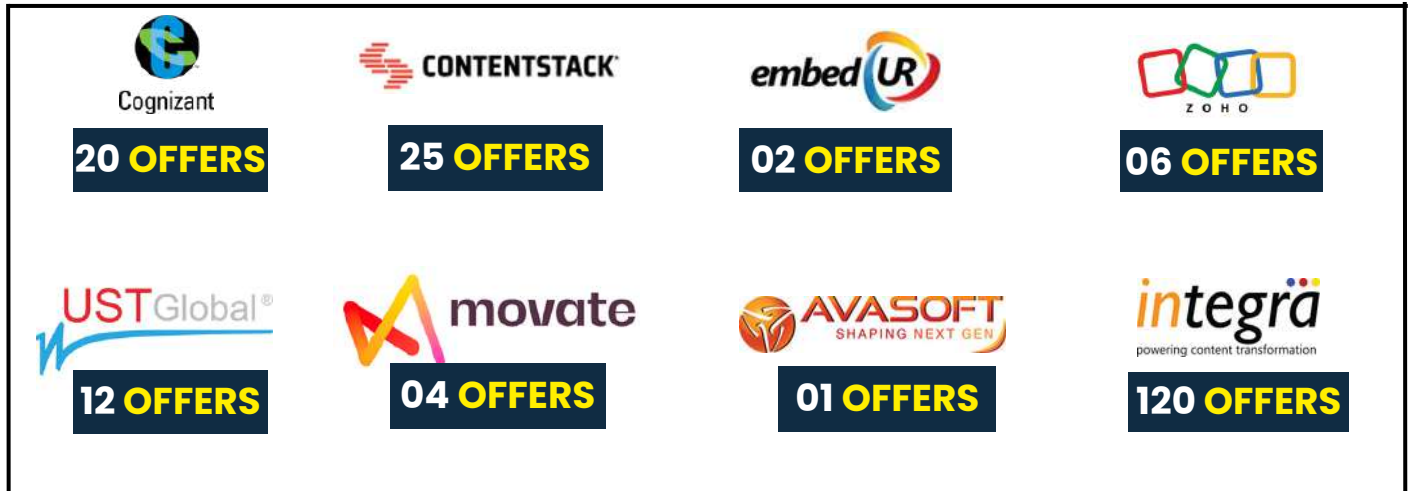
On April 24, 2024, Jessena Rose S., a student from the Department of ECE, participated in Codesy 2k24 at Dhanalakshmi Srinivasan College of Engineering, Chennai, and won the First Prize in Paper Presentation. Additionally, Hemashree P. and Vibha Rincy D., also from the Department of ECE, participated in the same event and won the Third Prize in Paper Presentation

On April 15, 2024, Devanesh S. and Yuvanesh Balaji M., students from the department of ECE, won the First Prize in Robo LINE at TETRONIX 2K24 held at PTU Puducherry

Our students' achievements reflect their dedication and the support of our faculty and parents. Together, we will continue to strive for excellence

STUDENTS PLACEMENTS

Building on our strong foundation, the placement cell has achieved remarkable milestones in the past quarter. Witness the surge in opportunities, top company collaborations, and student successes

Cognizant	CONTENTSTACK	embed UR	ZOHO
20 OFFERS	25 OFFERS	02 OFFERS	06 OFFERS

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12 OFFERS	04 OFFERS	01 OFFERS	120 OFFERS

EVENTS ORGANIZED BY THE DEPARTMENTS

The Departments of Sri Manakula Vinayagar Engineering College regularly host a variety of events, such as workshops, training sessions, guest lectures, conferences, and seminars. These activities aim to enhance students' learning, develop industry-relevant skills, and offer valuable insights from experts. Here are the events completed during this period.

The Department of Biomedical Engineering organized a two-day Faculty Development Program on "Biomedical Equipment" from April 17 to 18, 2024. Mr. Muhammed Nadeer Ibrahim and his team, Directors of Leeway Biomedical in Bengaluru, conducted the hands-on training session

The Department of Mechanical Engineering, in association with the SAE INDIA Collegiate Club, organized a one-day hands-on training in NDT for third-year Mechanical Engineering students on April 13, 2024

On April 29, 2024, the Department of ECE organized a one-day hands-on training session on "Exploring Future Trends in Chip Design," led by Ms. Chanda Prasanthi, Co-Founder and Managing Director of Semi Design

On April 1 and 2, 2024, the Department of ECE organized a two-day workshop on "Cloud & DevOps in the Modern Digital Landscape" at Sri Manakula Vinayagar Engineering College. The workshop was led by Mr. V. Rubankumar, a Cloud & DevOps Engineer at Tata Consultancy Services

On April 2, 2024, the Department of Electronics and Communication Engineering IETE Student Forum organized a one-day workshop on "Web Development

On April 13, 2024, the Department of EEE organized a workshop on "Mobile Servicing and Troubleshooting" in the EEE Seminar Hall. The session, conducted by Er. Suresh @Manikandan, Supply Chain Analyst at NCR Corporation Pvt. Ltd., provided practical knowledge to students on identifying and rectifying faults in mobile phones

On May 3, 2024, the Department of Management Studies organized one-day intercollegiate management meet, DREAMZ2K24. Mr. V. Shanmuganathan, Chairman of the CII Puducherry chapter, served as the chief guest for the event, while the Treasurer of the SMVEC Trust, Mr. T. Raja Rajan, participated and distributed prizes to the winners
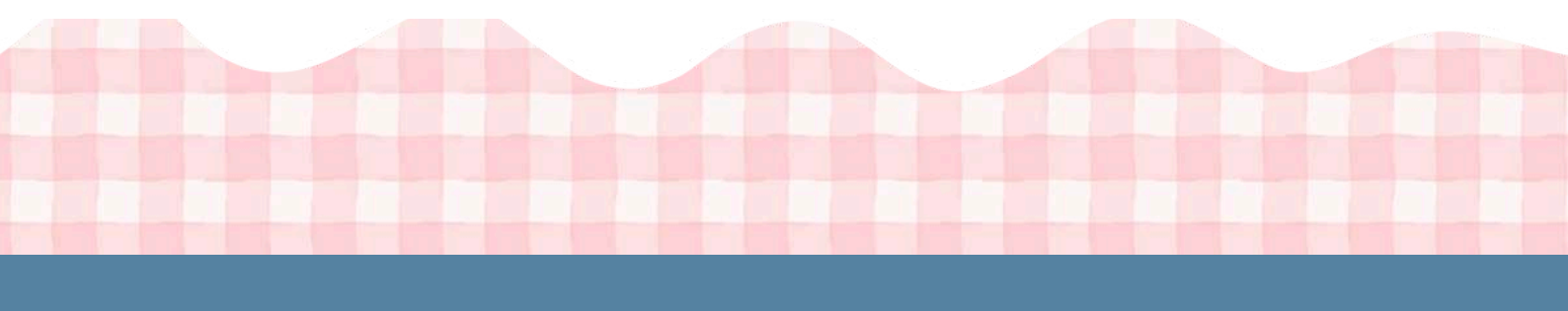
On 3rd June 2024, the Department of Management Studies (MBA) organized an event titled "Management and Industry Connect: Roadmap to Success." The resource person was Ms. S. Gayathry, CEO of M/S Laurier Consultancy Services, Chennai. The event featured a presidential address by Dr. R. Vaishnavi Devi from the SMVE Trust and was attended by MBA students

On 4th June 2024, the Department of Management Studies organized a Career Guidance Programme to create awareness about Public Sector Bank Examinations. Mr. N. Prasanna, Assistant Manager at SBI, Bangalore, delivered the Chief Guest address and shared his experience

On 12th June 2024, the Department of Management Studies organized the "Innovative Managerial Practices" Programme for students. Group Captain Dr. R. Venkataraman (Retd), General Manager of MMA, delivered the Chief Guest address and shared his experience

On April 26, 2024 the Department of CIVIL organized a Guest lecture on "World Earth Day 2024" in the EEE Seminar Hall. The session, conducted by Dr.K.Srinivasamoorthy Professor and HOD of Earth science Department, Pondicherry University provided Earthday insights: Interplay of climate change resources

On 9th May 2024, the Department of Civil Engineering at Sri Manakula Vinayagar Engineering College organized a guest lecture on the "Importance of Solar System in Buildings" from 10:30 A.M. to 12:30 P.M. Third and final-year civil engineering students attended. The lecture covered the integration of solar systems in modern building designs, highlighting their benefits, basic principles, and components

MEMORANDUMS OF UNDERSTANDING

SMVEC strengthens industry connections through MoUs, enriching student learning with real-world projects and expert lectures. From April to June 2024, four new MoUs were signed, expanding global opportunities

The Department of Biomedical Engineering signed an MoU with Leeway Biomedicals, Bengaluru on April 18, 2024. This partnership aims to enhance student learning and research opportunities

On March 27, 2024, the Department of Electrical and Electronics Engineering signed an MoU with TVS Training & Services to establish a Centre of Excellence for Electric Vehicles

On June 19, 2024, the Research and Development(R&D) Cell signed an MoU with ICAR-Central Institute of Fisheries Technology (CIFT), Kerala

On June 15, 2024, the Research and Development Cell signed an MoU with Factor Y, a German-based organization specializing in CBaaS (Company Building as a Service), at Hyderabad

RESEARCH AND DEVELOPMENT CELL

The primary roles of a professor encompass teaching, research, and extension activities. Recognizing research as a cornerstone of nation-building, our faculty members and R&D Cell have made significant contributions to research during the April-June 2024 period. A detailed overview of these contributions follows

Key highlights from April 2024 to June2024

- Number of Research papers published in Reputed Journal : **38**
- Number of Consultancy projects   : **05**
- Number of Product Patent Filed   : **16**
- Mou Signed   : **03**
- Number of Programs conducted related to research   : **05**

- Faculties published research paper in Spectrochemical Acta Part A: Molecular and Biomolecular Spectroscopy, Elsevier with impact factor of 4.831
- Faculties published research paper in the Journal of Biomass Conversion and Biorefinery from Springer with impact factor of 4.0

Faculty Members successfully filed Design Patent
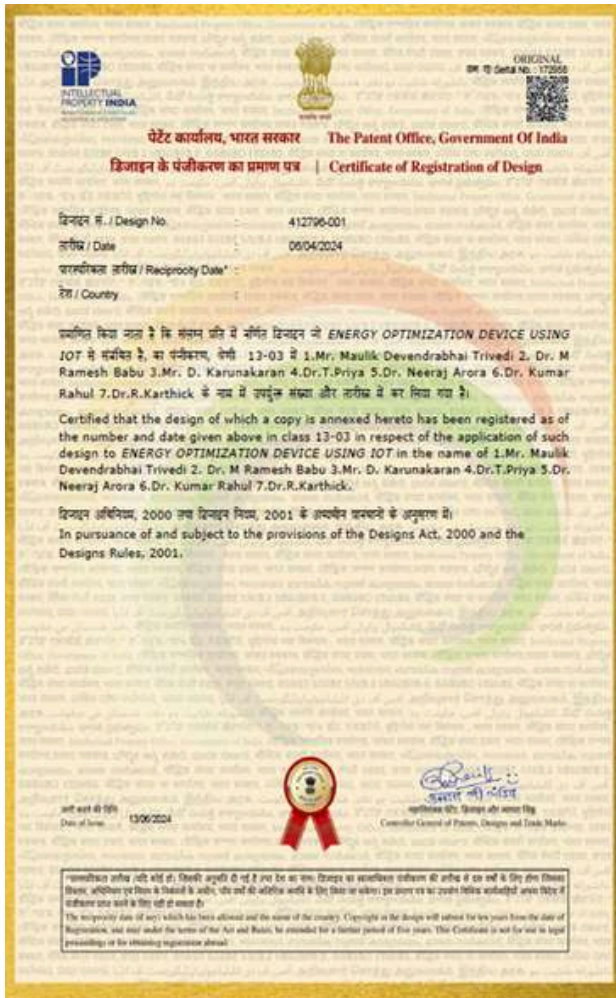
Design No-412796-001 date: 06-04-2024
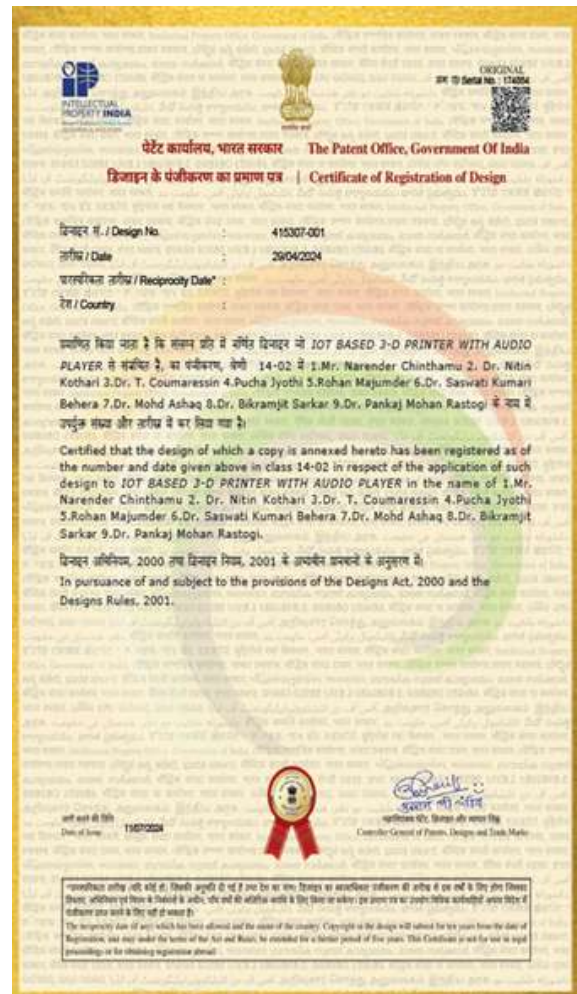
Design No- 415307-001date: 29-04-2024

In the June 2024 issue, the activities of the SMVEC ASM Material Advantage Student Chapter were published in the prestigious Journal of Materials & Processing by ASM International (American Society of Metals).

Centre of Excellence for Electric Vehicles (CoE EVs)

Sri Manakula Vinayagar Engineering College (SMVEC) and TVS Training & Services, Chennai, have signed a Memorandum of Understanding (MoU) to establish a Centre of Excellence in Electric Vehicles. Equipped with state-of-the-art facilities worth 50 lakhs, the Centre's laboratory, located on the SMVEC campus, will provide a conducive environment for research and development in electric vehicle technology.

TVS Training & Services will deliver training programs at the Centre. This collaboration aims to foster innovation, research, and collaboration in cutting-edge electric vehicle technology. The Centre will serve as a platform for knowledge exchange, idea sharing, and skill development in the field.

Domain Highlighted Point

- Cell Chemistry, Battery Selection and testing
- Battery Pack Construction
- Battery management system
- BLDC/PMSM Motor Test Bench with loading
- Vehicle Station - EV Car open model
- ADAS (Advanced Driver-Assistance Systems) hardware model
- CAN Communication- Application for Autonomous connected IVehicle

Mr. Vinoth Rajasekar, EV Manager at TVS Training & Services, demonstrated the working process of an electric four-wheeler, showcasing its setup and functionality
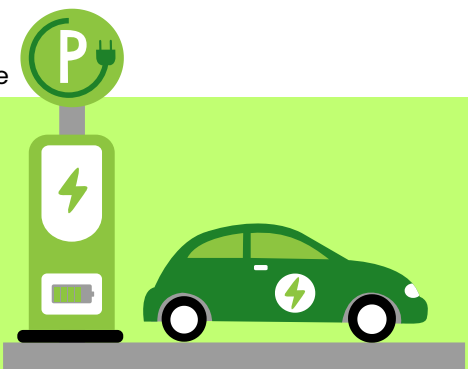
தாய்மொழி வழியில் இந்தியாவின் உயர் கல்வி

கல்வி என்பது ஒரு வாழ்நாள் பயணம், அது நம்மைச் சுற்றியுள்ள உலகத்தைப் பற்றிய புரிதலை விரிவுபடுத்தவும், நம் திறன்களை வளர்த்துக் கொள்ளவும் நமக்கு உதவுகிறது. நமது சங்க இலக்கியங்களும் சமய நூல்களும் கல்வியை மனிதகுலத்திற்கு மிக உயர்வான மற்றும் இன்றியமையாததாகவே கூறுகின்றன. ஏனெனில் **கல்வியின் நோக்கமே அறிவும், அறிவின் வெளிப்பாடாக ஒழுக்கமும், ஒழுக்கத்தின் நீட்சியாக அன்பையும், அன்பின் முதிர்ச்சியே அருளாகவும் வெளிப்பட்டு தனி மனித உயர்வுக்கும் சமூக நலனுக்கும் வழி வகுக்கிறது. இதையே வள்ளுவமும் வலியுறுத்துகின்றது**.

மனிதர்களின் பேசும் மொழி, எழுதும் மொழி மற்றும் சிந்திக்கும் மொழி ஆகிய மூன்றும் ஒரே மொழியாக இருந்தால், அவர்கள் தங்கள் தேர்ந்தெடுத்த துறையில் சிறந்து விளங்க வாய்ப்புகள் அதிகம். தாய்மொழி வழி கல்வி இதற்கு சிறந்த வழிவகுக்கும். ஏனெனில், தாய்மொழியில் கல்வி கற்பதன் மூலம், கருத்துக்களை எளிதாகவும் ஆழமாகவும் புரிந்துகொள்ள முடியும். இது அறிவாற்றல் வளர்ச்சிக்கு வலுவான அடித்தளத்தை அமைத்து, சிந்தனைத் திறனை வளர்க்கிறது. மேலும், தாய்மொழி கல்வி மாணவர்களுக்கும் ஆசிரியர்களுக்கும் இடையே தெளிவான தகவல்தொடர்பை ஊக்குவிக்கிறது.

தாய்மொழி கல்வியின் முக்கியத்துவத்தை வலியுறுத்தும் வகையில், உயர்கல்வியில் தாய்மொழி வழி கல்வியைப் பின்பற்றும் பல நாடுகளை இங்கு சுட்டிக்காட்டலாம். உதாரணமாக,ஜப்பான்,ரஷ்யா,பிரான்ஸ், தென்கொரியா, சீனா மற்றும் பல ஐரோப்பிய நாடுகளில் உயர்கல்வி முழுவதும் தாய்மொழியே கற்பித்தல் மொழியாகப் பயன்படுத்தப்படுகிறது. இதன் விளைவாக, இந்த நாடுகள் அனைத்துத் துறைகளிலும் சிறந்து விளங்குகின்றன.

19ஆம் நூற்றாண்டில் ஏற்பட்ட தொழில்புரட்சியின் விளைவாக உருவான கண்டுபிடிப்புகள் மற்றும் அறிவியல் தொழில்நுட்ப முன்னேற்றங்கள் அனைத்தும் பெரும்பாலும் ஆங்கில மொழியிலேயே வெளிப்பட்டன. மேலும், இரண்டு நூற்றாண்டுகளுக்கு மேலாக ஆங்கிலேய ஆட்சியின் கீழ் இருந்த இந்தியாவில், உயர் கல்வி மற்றும் ஆராய்ச்சி முறைகள் ஆங்கில மொழியையே அடிப்படையாகக் கொண்டிருந்தன.இந்த நிலைமை இந்திய மாணவர்கள் சிந்தனை மற்றும் புதுமைத் திறனை வளர்த்துக் கொள்வதில் பல சிரமங்களை ஏற்படுத்துகிறது. தங்கள் தாய்மொழியில் கல்வி கற்பிக்கப்பட்டால், ஆராய்ச்சி மற்றும் புதுமைத் திறன் வெளிப்பாடு கணிசமாக அதிகரிக்கும் என்பதில் சந்தேகமில்லை. தங்கள் சொந்த மொழியில் சிந்திக்கவும், கற்றுக்கொள்ளவும், புதிய யோசனைகளை வெளிப்படுத்தவும் வாய்ப்பு கிடைக்கும்போது, மாணவர்கள் தங்கள் படைப்பாற்றல் மற்றும் அறிவுத்திறனை முழுமையாக வெளிப்படுத்த முடியும்.

இந்த நிலைமையை மாற்றும் முயற்சியில், தமிழ்நாடு அரசு, 2010-11 கல்வி ஆண்டு முதல் பொறியியல் பாடப்பிரிவுகளையும், 2021-22 கல்வி ஆண்டு முதல் வேளாண்மை படிப்புகளையும் தமிழ் வழியில் வழங்கும் முன்னோடித் திட்டத்தை அறிமுகப்படுத்தியது. மாணவர்களுக்கு தங்கள் தாய்மொழியில் கல்வி கற்கும் வாய்ப்பை வழங்கும் நோக்கில், **தேசிய கல்வி கொள்கை 2020**-ன் அடிப்படையில், இந்திய அரசு ஒரு முக்கிய முடிவை எடுத்துள்ளது. பள்ளி மற்றும் உயர்கல்விக்கான அனைத்து பாடப்பிரிவுகளுக்கும் தேவையான பாட நூல்களை உருவாக்க இந்திய அரசியலமைப்பு எட்டாம் பட்டியலில் இடம்பெற்ற மொழிகளில் எண்மின்(Digital)வடிவில் கிடைக்கச் செய்ய அரசு முடிவு செய்துள்ளது.**பொறியியல், மருத்துவம், சட்டம், இளநிலை, முதுநிலை மற்றும் திறன் மேம்பாட்டு புத்தகங்களை அனுவாதினி என்ற செயற்கை நுண்ணறிவு அடிப்படையிலான பயன்பாட்டின்(AI-based application)மூலம் மொழிபெயர்த்து வருகிறது. இந்த புத்தகங்கள் மின்குடம் இணைய வாசலில்**(e-kumph Portal) **கிடைக்கின்றன**.

தாய்மொழி கல்வியும் ஆங்கிலக் கல்வியும் ஒன்றுக்கொன்று எதிரானவை அல்ல; மாறாக, இவை ஒன்றுக்கொன்று துணைபுரிகின்றன. பல மொழிகளைக் கற்றுக்கொள்வது மாணவர்களின் சிந்தனைத் திறனை மேம்படுத்தி, பல மொழித் திறனை வளர்க்க உதவுகிறது. எனவே, கல்வியின் ஆரம்ப நிலைகளில் தாய்மொழி கல்விக்கு வலுவூட்டல் அளிப்பதோடு, அதே நேரத்தில் உயர் கல்வியில் ஆங்கில மொழித் திறனை வளர்ப்பதற்கும் சமநிலையைப் பேணுவது அவசியம். **தேசிய கல்வி கொள்கை 2020 இதையே வலியுறுத்துகிறது**. இதன் மூலம், மாணவர்கள் தங்கள் சொந்த மரபைப் பற்றிய பெருமையுடனும், உலக அரங்கில் வெற்றி பெறுவதற்கான திறனுடனும் திகழ முடியும்.

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சிந்தனைக்காக...
அகத் தர உறுதி குழு(IQAC)

</div>

SMVEC AICTE IDEA LAB

In the SMVEC Idea Lab during the period from April to June 2024, 36 programs were organized for host students and school students. Some of the highlighted events are as follows

On 13th May 2024, a Hands-on Training on IoT, Python Programming, and Robotics for +2 Students was organized, running until 17th May 2024

From 7th May to 11th May 2024, a Skilling Program on Real-Time Projects Using Arduino Tools and Techniques was conducted

From 16th April to 21st April 2024, the Ideation Workshop on Product Development Using Electronics and 3D Printing took place

From 15th April to 19th April 2024, a Skilling Program on Electronic Section Tools and Equipment for Artificial Intelligence and Data Science Students was conducted

From 9th April to 14th April 2024, a Skilling Program on Electronic Section Tools and Equipment for Information Technology Students was conducted

From 1st April to 7th April 2024, a Hands-on Training on 3D Scanning for Computer Science and Engineering Students of the host institute was conducted

From 3rd April to 9th April 2024, a Skilling Program on Arduino Simulation Using TINKERCAD for Mechanical Engineering Students was conducted

From 8th May to 12th May 2024, an Ideation Workshop on Product Development Using Electronics and 3D Printing was conducted.

From 3rd May to 7th May 2024, a Skilling Program on Product Development (Batch II) conducted for school students

From 2nd May to 6th May 2024, a Skilling Program on Product Development (Batch I) for school students was conducted

FACULTY PARTICIPATION

On April 24, 2024, Dr. L. Martin, Associate Professor from the Department of Mechanical Engineering, visited Valeo India Pvt. Ltd. and Danfoss Company in Chennai through CII

EXTENSION ACTIVITIES

SMVEC has been consistently engaged in extensive extension activities through the NSS unit during this period. The following initiatives have been successfully implemented

June 26, 2024: Our students took part in World Drug Day, also known as the International Day Against Drug Abuse and Illicit Trafficking, held at Orleanpet Police Station and organized by the Police Department

June 14, 2024: Our volunteers participated in the Walkathon program organized by JIPMER Hospital in celebration of World Blood Donor Day 2024

April 24, 2024: Our volunteers participated in the "Our Land, Our Future" awareness program in observance of World Environment Day 2024

April 19, 2024: Our student volunteers joined the "Enable Pondy" Voters Assistance Program on Polling Day

April 16, 2024: A special voluntary blood donation camp was organized in support of the "Youth for the Nation and Youth in Service" initiative, aiming for 100% voting participation among fresh voters

April 15, 2024: Our students participated in the electoral awareness programme conducted by the Electoral Literacy Club

April 5, 2024: Our students participated in the Human Rally program on "Health for All" organized by the Health Department, Government of Puducherry

April 2, 2024: One of our students donated blood to meet an emergency need at PIMS Hospital

STAND UP FOR SOCIAL WORK

SRI MANAKULA VINAYAGAR

ENGINEERING COLLEGE

(AN AUTONOMOUS INSTITUTION)

INTERNAL QUALITY ASSURANCE CELL