

THE AGENDA

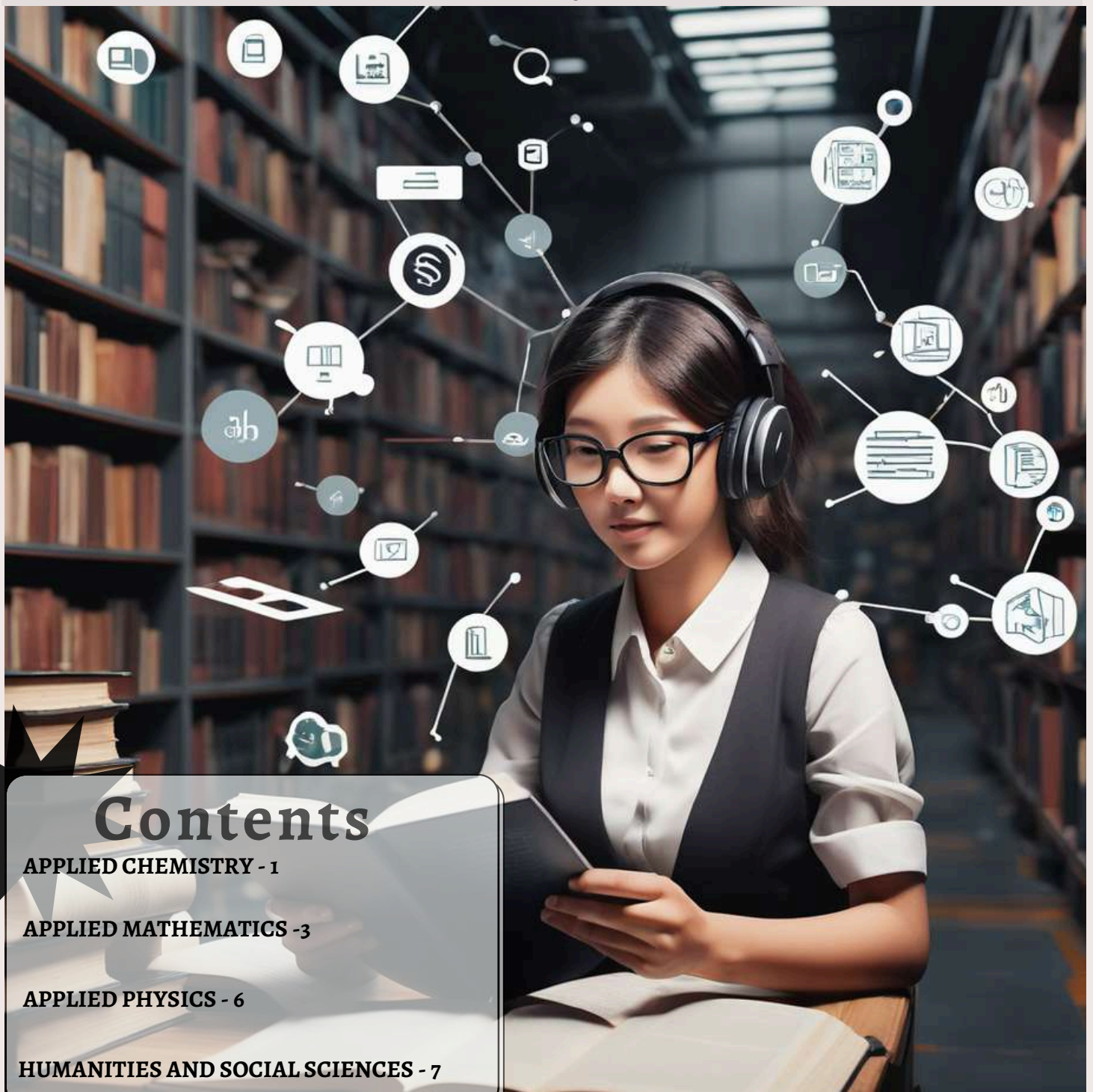


Newsletter.....

FROM THE DEPARTMENTS OF SCIENCE AND HUMANITIES

(APPLIED CHEMISTRY, APPLIED MATHEMATICS, APPLIED PHYSICS & HUMANITIES AND SOCIAL SCIENCES)

SRI VENKATESWARA COLLEGE OF ENGINEERING
SRIPERUMBUDUR - 602117 TAMILNADU, INDIA



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VOLUME 02; ISSUE 6 JUNE 2024 MONTHLY UPDATED

FACULTY DEVELOPMENT PROGRAMME

APPLIED CHEMISTRY

1 Dr. S. Stanly (Professor and Head), Dr. S. Ananda Babu (Assistant Professor), and Dr. S. Anandhavelu (Assistant Professor) actively participated in a five-day online Faculty Development Programme on "The Road Ahead: Challenges and Trends in Automotive Technologies." This program equipped them with the latest knowledge and insights in the rapidly evolving automotive industry.

2 Dr. T. Balusamy participated in the Disaster Awareness and Management Training organized by the Disaster Management Team (Authorized by Government of Tamilnadu) and Sri Sathya Sai Seva Organisation (SSSO) on June 1st, 2024, at SVCE. This training strengthens our commitment to safety and preparedness.

IIT RESEARCH PARK VISIT

Dr. G. Baskar, Associate Professor, and Dr. S. Stanly, Professor and Head, Department of Applied Chemistry, along with Dr. S. Natarajan, Associate Professor and Convenor of the Institution's Innovation Council (IIC) at SVCE, met with Mr. S. Guru Shankar and Dr. T. Karthikeyan on campus.

Mr. Shankar and Dr. Karthikeyan are the founders of Sphererulers Solutions, a startup located at the IIT Research Park. During their visit, they met with Dr. V. Vidhya (Professor and Head), Dr. T. Sukumar (Professor and AHoD) from the Department of Information Technology (IT), and Dr. R. Anitha (Professor and Head) from the Department of Computer Science and Engineering (CSE).

They also toured the facilities in the IT and CSE departments.



Dr. T. Balusamy's research, titled "Imparting a better corrosion resistance and bioactivity for magnesium through the formation of zinc-zinc oxide-zinc phosphate (hopeite)-magnesium ammonium phosphate (struvite) composite coatings," was published in the prestigious Journal of Alloys and Compounds (Impact Factor: 5.8). This innovative work significantly contributes to the development of advanced materials with improved corrosion resistance and bioactivity, paving the way for advancements in biomedical applications, particularly for implants.

Dr. S. Anandhavelu, collaboration with researchers from Dongguk University, South Korea, published their collaborative research titled "Highly sensitive and selective detection of dopamine using atomic layer deposited HfO₂ ultra-thin films" in Electrochimica Acta (Impact Factor: 5.5). This exciting research paves the way for significant advancements in biosensor technology by enabling the highly sensitive and selective detection of dopamine, a crucial neurotransmitter.

These publications are a testament to the caliber of research conducted by our faculty members and their dedication to pushing the boundaries of their respective fields.

Congratulations to Dr. Balusamy and Dr. Anandhavelu on their outstanding achievements!

RESOURCE PERSON:

Dr. S. Stanly (Professor and Head), served as a resource person for the Free Online Programme for Marine Common Entrance Test, organized by the Department of Marine Engineering, SVCE, from 13/5/2024 to 24/5/2024.

ATTENDED:

1. Dr. K Vijayalakshmi, Assistant Professor, has attended Five-Day International Online FDP on Exploring Recent Trends in Applied Mathematics and Machine Learning, organized by Department of Mathematics, Koneru Lakshmaiah Educational Foundation (Deemed to be University), Bachupally Campus, Hyderabad from 20/5/2024 to 24/5/2024.

2. Dr. R Umadevi, Assistant Professor, has participated in an online Intensive Training in Algebra, Analysis, Topology, and Applications organized by Manipal Institute of Technology, Manipal, from 27/5/2024 to 1/6/2024.

3. Dr. R Suresh, Assistant Professor, attended a seven days Microsoft Excel Training Program conducted by Magnetic Beacon Analytics from 12/6/2024 to 19/6/2024.

BOARD OF STUDIES MEMBER:

Dr.R Muthucumaraswamy, Professor & Head, has been nominated as Board of Studies Expert member for the Department of Science and Humanities, RMK College of Engineering and Technology, Chennai for a period of 3 years from 2024-2025 to 2026-2027.

RESOURCE PERSON:

1. Dr. B Thilaka, Professor, served as a Resource Person for Summer Training Programme in Mathematics (Offline mode) organized by Department of Mathematics, Anna University, Chennai; The Academy of Sciences, Chennai, Sponsored by Science City, Chennai on 05.06.2024.

2. Dr.V Gayathri, Assistant Professor, served as a Resource Person for One-Day FDP on "Applications of PI Index in computer-aided design of bioactive compounds", organized by Saveetha College of Liberal Arts & Sciences on 18.06.2024.

- A research article entitled "Chemical Process Effects on Sloped Surface with Changing Mass and Consistent Temperature" by Nagarajan G, Sundar Raj M, Venkatesan J, Venkata Mohan Reddy P, Muthucumaraswamy R has been accepted for publication in the Journal Chemical Industry, Chemical Engineering Quarterly (Listed in Anna University Annexure).
- R Muthucumaraswamy et al., published a paper titled "Effects of Chemical Reactions in the presence of Temperature Variations and Isothermal Mass Diffusion over an Inclined Plate" in International Journal of Applied Mechanics and Engineering (Scopus), 2024, vol.29, No.2, pp.104-117. DOI: 10.59441/ijame/187050.
- An article entitled "Effects of MHD and Viscous Heat Generation in Esterification" authored by K Vijayalakshmi, R Umadevi, M Gomathi and R Sumathy has been accepted for publication in Indian Journal of Natural Sciences (Web of Science), vol.15/ Issue 85 Aug 2024. IF:2.452

- R Umadevi et al., published a paper on "Heat Transfer in a Reversible Esterification Process of Hydromagnetic Casson fluid with Arrhenius activation energy" in an Anna University Annexure Journal- Case Studies in Thermal Engineering 60 (2024) 104616. DOI:10.1016/j.csite.2024.104616. IF:6.8.
- M Radhakrishnan, G. Palani published a paper titled "Impact of MHD and Nanofluid flow through a Vertical Plate with varying Heat and Mass Flux" in Journal of Naval Architecture and Marine Engineering, vol.21, Issue 1, pp:15-26, June 2024 (Web of Science and Scopus). DOI: 10.3329/jname.v21i1.55428.

NEW PORTFOLIO (COLLEGE-LEVEL):

Dr. M Radhakrishnan, Assistant Professor, has been appointed as a Co-ordinator for Internal Assessment, SVCE. His new portfolio (College-level) came into effect from 5/6/2024.

RESEARCH ARTICLE REVIEWED:

Dr. V Gayathri, Assistant Professor, reviewed a research article titled "On Physical Analysis of Topological Indices and Entropy Measures for Terbium Niobate via Logarithmic Regression Models" for The Journal of Supercomputing.

Dr.T.Senthilnathan, Assistant Professor, Department of Applied Physics have published a book chapter entitled "Impacts of nano materials and nano fluids on the robot industry and environments" in the International Academic Book Publishers , IGI Global publishers, USA, DOI: 10.4018/979-8-3693-5767-5.ch012.

WORKSHOPS/FDP PARTICIPATED

- Dr.Sampath Krishann, Professor, Department of Applied Physics has attended the live webinar on "Essential Skills for Crafting Quality Research". Conducted by SVCE during May 23, 2024, to May 25, 2024
- Dr.Sampath Krishann, Professor, Department of Applied Physics has attended the Webinar on Carbon Nanotube Macro Assemblies Based Polymer conducted on 18th May 2024 by the Department of Physics, School of Sciences and Humanities, SR University, Warangal, India.
- Ms.G.Bharathy, Assistant Professor ,Department of Applied Physics has participated in the Disaster Awareness and Management Training Program on June 1,2024

EVENTS ORGANISED

Dr. N.R. Sheela, Associate Professor and Head, Department of Applied Physics and Coordinator of SVCE Science Club Organised a Career Guidance program and conducted Quiz Program followed by Exposure visit in association with BIS for Government Girls Higher Secondary school, Sriperumbudur



FDPS PARTICIPATED:

Dr.Murugavel.T / Professor & Head has completed the following FDPs:

- a) One Week of Faculty Development on Teaching Content Writing Skills for Web-World from 17/06/24 to 23/06/24 organized by Gokul Global University, Gujarat.
- b) One Week National Faculty Development Program on Empowering Educators: Crucial Role of Technology in Today's Classroom from 31/05/24 to 06/06/24 organized by Gokul Global University, Gujarat.

Ms. Anichamalar / Assistant Professor has completed the following virtual FDPs:

- a) Business Model Canvas on 31/5/24 organized by Sri Venkateswara College of Engineering.
- b) Empowering Educators: The Crucial Role of Technology in Today's Classroom from 31/05/24 to 06/06/24 organized by Gokul Global University, Siddhpur.
- c) Content Writing Skills for the Web-World from 17/06/24 to 22/06/24 organised by Gokul Global University, Siddhpur.

DEPARTMENT OF HSS HOSTS VIRTUAL CONFERENCE!

The Department of Humanities and Social Sciences is set to organize "A Three-day Virtual Conference" in collaboration with English Language Teachers' Association of India (Elt@i) on Interface of Language and Literature in Technology in the Era of Industry 5.0 from 07/08/24 to 09/08/24.

ILLTEI - 2024

INTERFACE OF LANGUAGE AND LITERATURE WITH TECHNOLOGY IN THE ERA OF INDUSTRY 5.0

SVCE Sri Venkateswara College of Engineering
(Pennalur, Siperumbudur, Kanchipuram Dt, Tamil Nadu)
Autonomous institution, Affiliated to Anna University, Chennai

ELT@I
English Language Teachers' Association of India

Department of Humanities and Social Sciences
Organizes
A Three-day Virtual Conference
in collaboration with
English Language Teachers' Association of India (ELTAI)

7th - 9th
(Wed - Fri)
August, 2024
(9.00 a.m. - 4.00 p.m.)

The Agenda

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FROM THE DEPARTMENTS OF SCIENCE AND HUMANITIES

(APPLIED CHEMISTRY, APPLIED MATHEMATICS, APPLIED PHYSICS
& HUMANITIES AND SOCIAL SCIENCES)

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