



DEVELOPMENT College of Technology

An Autonomous Institution Affiliated to Anna University and Approved by AICTE Accredited by NAAC with 'A' Grade KOVAIPUDUR CAMPUS, COIMBATORE - 641 042.

VOL 24 - ISSUE 26 DEC 08 - DEC 14, 2024

THE PRIDE OF OUR REFLECTION





Team ID: 22643

Team Name: NERDDEV



In this photo (From Left): Mr. Sampeter S, Tarun M, Vaishnavi M, Soubarnika S, Suren S, Yashwanth S C, Vignesh Vasu

MENTORS Mr. Sampeter S, AP/CSE Ms. Kalpana P, AP/CSE







SIH1595-AICTE, MIC-Student Innovation



978-93-5895-815-7

Losers live in the past. Winners learn from the past and enjoy working in the present toward the future - Denis Waitley

Contact Us

0422-2984567 - 68 Kovaipudur,

Coimbatore - 641 042.













ARTIFICIAL INTELLIGENCE AND DATA SCIENCE

Placement

Mr Sai Krishna V, Student of Final B.Tech. ADS, received Internship offer from **EPAM** – **Hyderabad.**



Mr Sai Krishna V (727821TUAD039) Batch: 2021 - 2025















ARTIFICIAL INTELLIGENCE AND DATA SCIENCE

Student Achievement

Mr Jayasudhan M, Student of Third B.tech. ADS, has been selected for pursuing One-year Minor course in "Artificial Intelligence" from IIT- Ropar.



Your Report Card

Percentile 99.14

■ Marks 290

















ARTIFICIAL INTELLIGENCE AND DATA SCIENCE

Placement





Mr Arun Kumar M (727821TUAD006) Batch: 2021 - 2025



Ms Nikhitha Shri S (727821TUAD035) Batch: 2021 - 2025



Mr Sithik Ahamed (727821TUAD046 Batch : 2021 - 2025



Mr Sairam N (727821TUAD040) Batch: 2021 - 2025



Mr Chitharanjan T (727821TUAD010) Batch: 2021 - 2025











ARTIFICIAL INTELLIGENCE AND DATA SCIENCE

Students' Participation

Students' Achievements in Celonis Academy Courses

The following are the students completed courses through

Celonis Academy:

- 1. Ms Anushalakshmi S
 - 1. Build Analyses
 - 2. Review and Interpret Analyses
- 2. Ms Lavanya N
 - 1. Build Analyses
 - 2. Review and Interpret Analyses















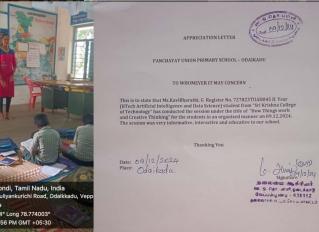


ARTIFICIAL INTELLIGENCE AND DATA SCIENCE

Student Participation

Ms Kavibharathi G, Student of Second B.Tech. ADS, conducted a session for the Students of Govt. School on "How things work and Creative Thinking."



















ARTIFICIAL INTELLIGENCE AND DATA SCIENCE

Student Participation

Mr Deepak R, Student of Third B.Tech. ADS, completed a 30-day Masterclass in "Data Analytics" through NOVITECH R&D Private Limited during 23 October-02 December 2024.

















CSE (IoT)

Student Participation

Mr Vinodhariharan R, Student of Third B.E. CSE (IoT), cleared in "Microsoft Certified: Azure Al Fundamentals" organised by Microsoft on 2024.

















CSE (CYS)

Students' Participation

The following students completed the Six-day Online Workshop on "Universal Human Values" organised by the AICTE during 23-28 September 2024:

Mr Jeeva J P, Ms Joselin Jennilia, Ms Kirubhashii F G, Mr Dakkshina, Ms Harini P, Mr Abilash P, Mr Kamalesh C, Mr Mohamed Anwar Basha M and Ms Vilashini V.























CSE (CYS)

Faculty Participation

Ms Sugitha A, Asst. Professor, completed the ATAL programme on "**Empowermnet of Robotic, AIML and Additive Manufacturing in Industry 4.0**" organised by Nalanda Institute of Technology during 02-07 December 2024.















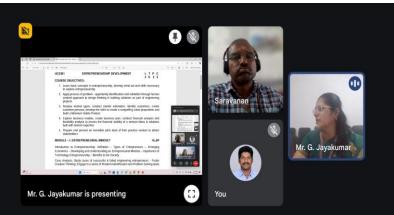


CIVIL ENGINEERING

BoS Meeting

The Department of Civil Engineering conducted the "17th Board of Studies Meeting" on 09 December 2024. The inputs for the development of curriculum and department were given by various industry and academic experts.



















CIVIL ENGINEERING

Program Advisory Committee Meeting

The Department of Civil Engineering conducted the "Program Advisory Committee Meeting" on 30 November 2024.















CIVIL ENGINEERING

Faculty Achievements

Dr V Sreevidya, Professor and Head, acted as the **Doctoral Committee Member** for Annual DC Meeting.

Annual DC Meeting 2024

KPR Institute of Engineering and Technology

Name of the Candidate : Mr. Kalaivanan P. Register No. : 21171697138

Department of Civil Engineering
KPR Institute of Engineering and Technology,
Coimbatore.













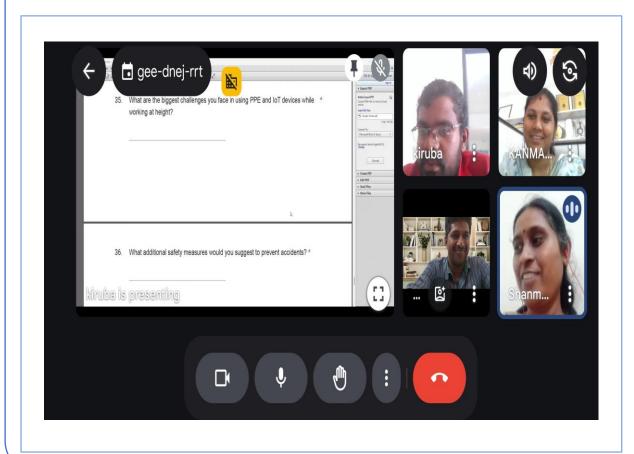




CIVIL ENGINEERING

Faculty Achievement

Dr V Sathish Kumar, Assoc. Professor, acted as the Doctoral Committee Member for Annual DC Meeting of a research scholar.

















CIVIL ENGINEERING

Faculty Participation

Dr V Sathish Kumar, Assoc. Professor, completed the ATAL FDP on "Geo-Al: Innovations in Al for Improved Spatial Data Processing" organised by Ramrao Adik Institute of Technology during 02-07 December 2024.

















COMPUTER SCIENCE AND ENGINEERING

Students' Achievement

Ms Soubarnika S, Mr Suren S, Mr Tarun M, Ms Vaishnavi M, Mr Vignesh Vasu and Mr Yashwanth S C, Students of Third B.E. CSE are the winners of "Smart India Hackathon 2024" in software category with a cash prize of Rs. 100000/-

















COMPUTER SCIENCE AND ENGINEERING

Student Participation

Ms Subasri R, Student of Second B.E. CSE, participated in a "**Sapling Plantation Activity**" as part of the AICTE activity points.





















COMPUTER SCIENCE AND ENGINEERING

Students' Achievement

Mr Balaji Rao N, Student of Second B.E. CSE, completed NPTEL online certification course on "Cloud Computing" with a Elite score of 57%.



Ms Udhaya Karthiga S, Student of Second B.E. CSE, completed a course on "Microsoft Power Bl Desktop for Business Intelligence" through Udemy.



Ms K Thilagavathi, Student of Third B.E. CSE, participated in India's largest Skill Contest and achieved a top score of 1% (99.51) and won a merit certificate.

















COMPUTER SCIENCE AND ENGINEERING

Students' Achievement

Mr B Mohan Kumar, Mr K Sibhi, Mr S Pradheesh, Students from B.E. CSE and Mr Rishwanth, Student from B.Tech. IT, bagged the First Prize in the BLITZ' 24-hour Hackathon organised by Dayanand Sagar College of Engineering, Bengaluru during 03-04 December 2024.



Ms Thilagavathi K, Student of Third B.E. CSE, completed the certification course on "Cloud Computing" through AWS Educate.

















COMPUTER SCIENCE AND ENGINEERING

Students' Achievement

Ms T Shanmuhapriya, Student of Second B.E. CSE, completed an online course on "Blockchain 101" through Infosys Springboard.



Ms T Shanmuhapriya, Student of Second B.E. CSE, completed the NPTEL certification course on "**Programming** in Java" with Elite.

















COMPUTER SCIENCE AND ENGINEERING

Students' Achievement

Ms T Shanmuhapriya, Student of Second B.E. CSE, contributed towards a cleaner and healthier environment by actively participating in a "Cleanliness Drive" as a part of the AICTE initiative.



Ms Cathrin R, Student of Second B.E. CSE, conducted an awareness programme on "Pursuing Engineering as a Future Career" for the students at Girls' Higher Secondary School, Thanjavur, on 08 December 2024.















COMPUTER SCIENCE AND ENGINEERING

Faculty Participation

Ms A Gomathy and Dr N Saranya, completed the AICTE Training and Learning (ATAL) Academy Faculty Development Programme on "Cyber Security in AI" organised by CMR University during 02-07 December 2024.





Ms G Sandhya, Asst. Professor, completed the course on "Data Science with Python" offered througg Infosys Springboard on 10 December 2024.













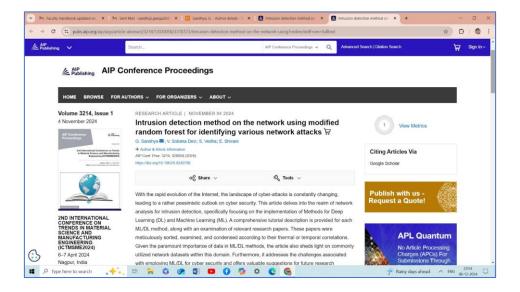




COMPUTER SCIENCE AND ENGINEERING

Faculty Publication

Ms G Sandhya, Asst. Professor, published a paper on "Intrusion Detection Method on the Network using Modified Random Forest for Identifying various Network Attacks" in the AIP Conference Proceedings (Vol. 3214, No. 1). AIP Publishing. (Indexed in scopus).















ELECTRONICS AND COMMUNICATION ENGINEERING

Students' Certification

Ms K Dhanushini, Ms S Gowsalya, Ms K Gayathri, Mr B Anbukumar, Ms V Devatha, Ms R A Charunethra, Ms V Ashika, Ms S Abitha, Ms S Adline Princy, Ms G Harpitha, Ms M Lakshmi and Ms G Poovitha, Students of First B.E. ECE, completed 6-day online workshop on "Universal Human Values" organised by the AICTE during 23-28 September 2024.

















ELECTRONICS AND COMMUNICATION ENGINEERING

Students' Certification

Ms M R Dharshini, Ms J Jayasrivaruni, Mr B B Athish, Mr S V Deepak Sanjay, Mr Fayaz Ahammed, Ms S Divina Magdalene, Mr C Divakar, Mr K Dhanavinth Vijay, Ms P Dalinee and Ms A Abarnaa, Students of First B.E. ECE, completed 6-day online workshop on "Universal Human Values" organized by the AICTE during 23-28 September 2024.



















ELECTRONICS AND COMMUNICATION ENGINEERING

Students' Internship

Ms R Gothai Nachiyar, Student of Second B.E. ECE attended a 10-day Internship at CSIR Karaikudi during 02 - 12 December 2024.

Ms S V Preethika and Ms K M Shreenithi, Students of Second B.E. ECE, attended a One-week Internship at Sakthi Sugars, Erode during 29 November – 07 December 2024.



















ELECTRONICS AND COMMUNICATION ENGINEERING

Students' Participation

Ms S V Preethika and Ms K M Shreenithi, Students of Second B.E. ECE, initiated the AICTE activity focused on "Environmental Sustainability" in collaboration with NCC students on 02 December 2024.

















ELECTRONICS AND COMMUNICATION ENGINEERING

Faculty Achievement

Dr M Thillai Rani, Assoc. Professor, has been recognised as the "**NPTEL Motivated Learner** and **NPTEL Believer**" during July – December 2024.

















ELECTRONICS AND COMMUNICATION ENGINEERING

MoU Signed

The Department of ECE signed the Memorandum of Understanding (MoU) with **SALZER Electronics Private Limited**, Coimbatore on 12 December 2024.













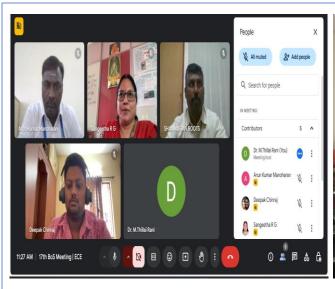




ELECTRONICS AND COMMUNICATION ENGINEERING

BoS Meeting

The Department of ECE conducted the "Board of Studies (BoS) Meeting" for the academic year 2024-2025 on 09 December 2024.

















ELECTRONICS AND COMMUNICATION ENGINEERING

Faculty Publication

Dr S Nithyadevi, Asst. Professor, published a research article on "Facial Skincare Product Recommendation Using Deep Learning Techniques" in the Journal of Communications on Applied Nonlinear Analysis, Vol 32, Issue No. 3, 2024 (Scopus Indexed).

Communications on Applied Nonlinear Analysis ISSN: 1074-133X Vol 32 No. 3s (2025)

Facial Skincare Product Recommendation Using Deep Learning Techniques

Dr.S.Nithyadevi¹, Biji Rose², S.Senthil Kumar³, Dr.A.Vijayalakshmi⁴, Dr.A.Kingsly Jabakumar⁵, Dr.V.Velmurugan⁶

¹Assistant Professor, Department of Electronics and Communication Engineering, Sri Krishna College of Technology Coimbatore, ndsnithva88@zmail.com

²Assistant Professor (SG), Department of Electronics and Communication Engineering, Dr. N. G. P Institute of Technology, Coimbatore, bijirose@drngpit.ac.in

³Assistant Professor, Department of Artificial intelligence and Data Science, Sri Krishna College of Engineering and Technology, Coimbatore, sentengg@gmail.com

⁴Associate Professor, Department of Electronics and Communication Engineering, Hindusthan College of engineering and technology, Coimbatore, vijayalakshmi.adhi@gmail.com

⁵Associate Professor & Head, Department of ECE, Christ the King Engineering College, Coimbatore, kingslyjkumar@gmail.com
⁶Associate Professor, Electronics and Communication Engineering, Vel Tech Rangarajan Dr. Sagunthala R&D Institute

of science and Technology, Chennai, drvelmuruganv@veltech.edu.in

Article History:
Received: 20-09-2024
Revised: 01-11-2024
Accepted: 19-11-2024

Abstract:

Skincare products are essential cosmetics, particularly in this day and age. Numerous online retailers offer a wide range of skincare products in their inventory. One issue with online skincare product purchases is that consumers are unable to test the product and must rely on reviews and ratings from other customers. To make this process easier and more effective, an innovative skincare product recommendation system has been developed. The system revolutionizes personalized skincare solutions by seamlessly integrating image processing and advanced deep learning techniques like Efficient Net B0. The system goes beyond traditional classifications, accurately identifying diverse skin types, including normal, oily, dry, sensitive or combination. It also takes a meticulous approach to assess skin tones. Users can effortlessly engage with this system through a user- friendly web interface, where they upload facial images. In return, they receive intricate recommendations tailored not only to their specific skin types but also to address individual concerns such as acne, pigmentation and dark circles. The suggestions provided are comprehensive, spanning a range of products nsers, moisturizers, serums and more. The system says the routine user. By offering personalized recommendations and valuable skincare routine with an















ELECTRICAL AND ELECTRONICS ENGINEERING

Faculty Participation

Ms Jeevitha K, Asst. Professor, completed One-week FDP on "Side Channel Attacks and Bloackchain Technology" organised by National Institute of Technology, Trichy during 03-07 December 2024.

















ELECTRICAL AND ELECTRONICS ENGINEERING

Faculty Participation

The Members of Faculty completed One-week FDP on "Next Generation Smart Grids for Sustainable Power Systems: The Path from Industry 4.0 to 5.0" organised by SKCT, Coimbatore during 02-07 December 2024.















ELECTRICAL AND ELECTRONICS ENGINEERING

Faculty Certification

Dr Dilipkumar S, Asst. Professor, completed a course on "**Deep Learning with PyTorch: Generative Adversarial Network**" offered through Coursera.

















ELECTRICAL AND ELECTRONICS ENGINEERING

Faculty Certification

Dr Vishnumurthy K, Asst. Professor, completed a course on "**Introduction to Generative AI**" offered through Coursera.















ELECTRICAL AND ELECTRONICS ENGINEERING

Faculty Achievement

Dr Suresh K P, Asst. Professor, received appreciation for peer reviewing article in "ICISSGT 2024" organised by IEEE Vizag Bay Section during 02-03 November 2024.

SISSGT 2024







Certificate of Appreciation

This is awarded to

Mr. / Ms. _ SURESH K P

of

Sri Krishna College of Technology

in recognition of an outstanding contribution in Peer-Reviewing the papers submitted to 2024 - IEEE International Conference on Intelligent Systems, Smart and Green Technologies (ICISSGT-2024) held on 2nd and 3rd November, 2024 organized by IEEE Vizag Bay Section at Dr. Y V S Murthy Auditorium, Andhra University, Visakhapatnam, India.

General Chair

Organizing Chair / Secretary

Md. K.M. Chesty

TPC Chair















ELECTRICAL AND ELECTRONICS ENGINEERING

AAA Audit

The Dept. of EEE attended an external "AAA Audit" for academic accomplishments and courses at SKCT, Coimbatore on 06 December 2024.



















INFORMATION TECHNOLOGY

Students' Internship

Ms Varsha K S, Ms Shifana Sherin S and Ms Shanju Shree, Students of Second B.Tech. IT attended an Internship Training in ROOTS, Coimbatore during 03-07 December 2024.















INFORMATION TECHNOLOGY

Student Outreach Activity

Ms Inniyaa Sree B, Student of Second B.Tech. IT, served as the Chief Guest for "**Tamil Language Lit Fest**" on 12 December 2024 at Bvm Global Senior Secondary School, Coimbatore.



























INFORMATION TECHNOLOGY

Student Internship

Ms S Yamuna, Student of Second B.Tech. IT, completed a 10-day internship with the Product Team at Revature Technologies, Chennai during 02-13 December 2024.









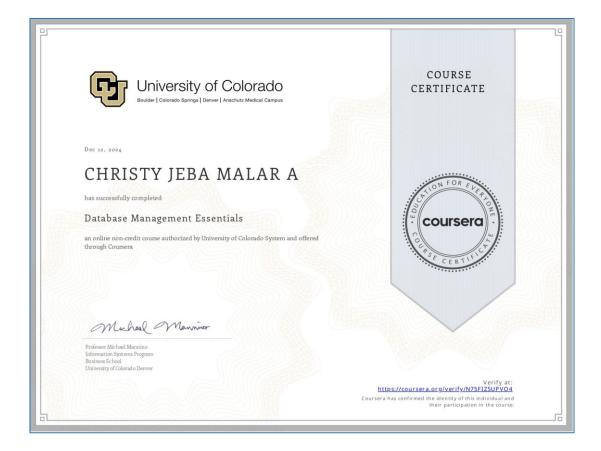




INFORMATION TECHNOLOGY

Faculty Certification

Ms Christy Jeba Malar A, Asst. Professor, completed an online course on "**Database Management Essentials**" authorised by University of Colorado System and offered through Coursera.















INFORMATION TECHNOLOGY

Faculty Certification

Ms P Manohari, Asst. Professor, completed an online certification course on "Compiler Design" through Udemy.

ûdemy

Certificate no: UC-9489b61d-2b19-49ba-a00c-b27d9738ab2c
Certificate url: ude.my/UC-9489b61d-2b19-49ba-a00c-b27d9738ab2c

CERTIFICATE OF COMPLETION

The Ultimate : Compiler Design - Module 1

Instructors Atchyut Kumar, Edufulness EFN

Manokari P

Date Dec. 2, 2024 Length 8.5 total hours













MECHANICAL ENGINEERING

BoS Meeting

The Dept. of Mechanical Engineering conducted the **Board of Studies (BoS)** Meeting facilitated by University Nominee Dr T Sekar, Assoc. Professor and Head, Government College of Technology, Coimbatore, Dr R Ramanujam, Professor, VIT, Vellore and Mr G Rathnasabapathy, Cameron India, Coimbatore.











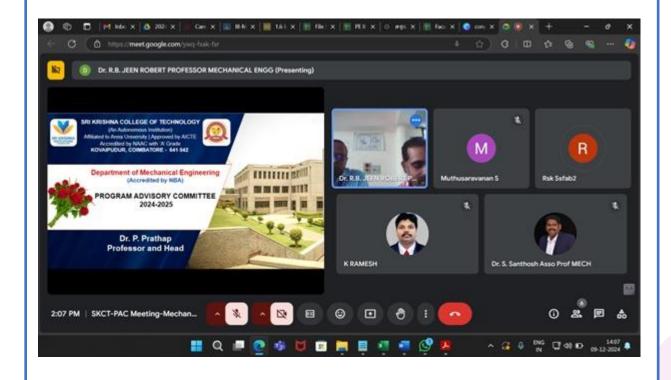




MECHANICAL ENGINEERING

PAC Meeting

The Dept. of Mechanical Engineering conducted **PAC Meeting** through online mode with experts on 09 December 2024.















MECHANICAL ENGINEERING

Faculty Participation

Mr N Aravindkumar, Asst. Professor, attended a Six-day ATAL Faculty Development Programme (Virtual Mode) on "Advanced Functional Materials: Fabrication, Characterization and Applications" organised by Mepco Schlenk Engineering College, Sivakasi.













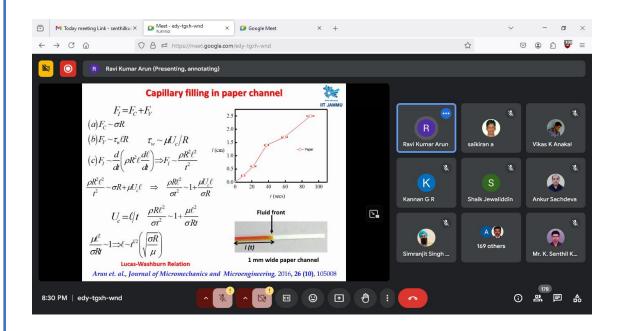




MECHANICAL ENGINEERING

Faculty Participation

Mr K Senthil Kumar, Asst. Professor, attended a 6-day Atal FDP on "Green Hydrogen Generation Opportunities and Challenges in India" organised by the School of Mechanical Engineering, SMVDU, Katra, J&K.















SCIENCE AND HUMANITIES

Faculty Participation

Ms V Tharakeswari, Asst. Professor, completed online courses on "R Data Structures" and "Advanced Visualizations & Dashboards Visualization using R" through Infosys Springboard.



||||||| COURSE COMPLETION CERTIFICATE ||||||||

The certificate is awarded to

Tharakeswari V

for successfully completing the course

on December 1, 2024



Infosys | Springboard

Congratulations! You make us proud

isued on: Monday, December 2, 2024 o verify, scan the QR code at https://verify.onwingspan.com



| | | | | | | COURSE COMPLETION CERTIFICATE

The certificate is awarded to

Tharakeswari V

for successfully completing the course

Advanced Visualizations & Dashboards: Visualization Using R

on December 10, 2024



Congratulations! You make us proud!

Thirumala Arohi

Executive Vice President and Global Head
Education, Training & Assessment (ETA)
Inflores i impled

















SCIENCE AND HUMANITIES

Faculty Participation

Dr N Nalini, Asst. Professor, attended a National webinar on "Research Ethics and Academic Publishing" organised by the Central University of Tamil Nadu, Thiruvarur in Collaboration with Balani Infotech Pvt. Ltd., Noida on 27 November 2024.















SCIENCE AND HUMANITIES

Faculty Participation

Ms V Tharakeswari, Asst. Professor, published an article on "A Novel Approach to Hexagonal Fuzzy Number Ranking in Multi - Objective Fuzzy Linear Programing Problem Solving" in Advances in Nonlinear Vibrational Inequalities in Scopus indexed journal.

Advances in Nonlinear Variational Inequalities ISSN: 1092-910X Vol 28 No. 2s (2025)

A Novel Approach to Hexagonal Fuzzy Number Ranking in Multi-Objective Fuzzy Linear Programming Problem Solving

V.Tharakeswari1.2, M. Kameswari3", Sripriya Ranganathan4, John De Britto C5

¹³ Department of Mathematics, Kalasalingam Academy of Research and Education, Krishnankoil, Virudhunagar, Tamilnadu, India-626126
² Sri Krishna College of Technology, Kovaipudur, Coimbatore, Tamilnadu,

4.5 Department of EEE, Saveetha Engineering College, Chemai, Tamilnadu, India-602105
1.5E-mail: thara.maths@gmail.com, 5E-mail: kameshwari.tee@gmail.com, 5E-mail: priya_emmkay@yahoo.com
5E-mail: yjohnde@gmail.com

Article History: Received: 10-09-2024

Revised: 28-10-2024 Accepted: 05-11-2024

Abstract:

This paper presents a ranking process based on hexagonal fuzzy numbers (HFNs) applied to linear programming multi-objective problems with fuzzy measurements. By utilizing this ranking method, any fuzzy linear multi-objective programming problem can be converted into a classical value problem, facilitating the determination of a suitable exact solution. This method offers valuable insights for planners operating in uncertain organizational environments. In an society where numerous opportunities and variables such as manufacturing, inventory, commercial management, costing, and miscellaneous other parameters are involved, this ranking procedure proves to be an efficient approach. The paper includes a















SCIENCE AND HUMANITIES

Department Advisory Board Meeting

The Dept. of Science and Humanities conducted the **Department Advisory Board (DAB)** meeting for the academic year 2024-2025 on 11 December 2024.









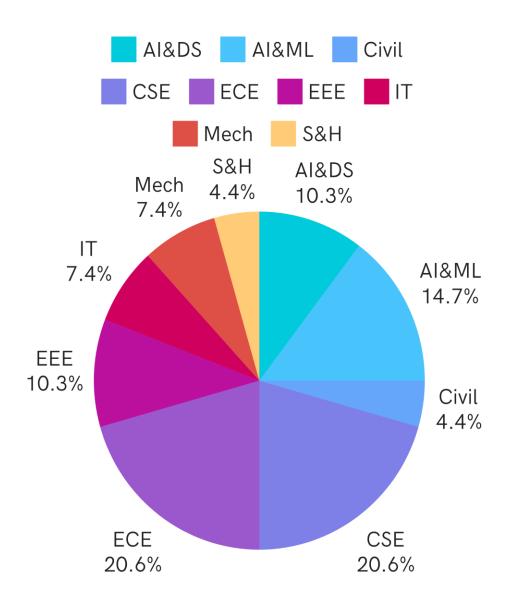








CONTENT CONRIBUTIONS BY THE DEPARTMENTS





















CHIEF EDITOR

Dr M G Sumithra

Principal

DESIGN & CONTENT EDITORS

Mr M K Prabhu

Assistant Professor Mechanical Engineering

Ms B Pavithra **Assistant Professor** English

DEPARTMENT COORDINATORS

- Ms P Deepa, AP/ADS
- Ms S Priyadharsini AP/IoT
- Ms A Gomathy, AP/CSE
- Ms K Mythili, AP/IT
- Mr K M Manoj, AP/Civil
- Mr G Santhakumar, AP/ECE
- Mr Ajith B Singh, AP/EEE
- Mr K Senthil Kumar, AP/Mech
- Ms S Jaya Preethi, AP/MBA
- Dr B Koqilavani, AP/English

STUDENT EDITORS

Mr T Lokesh

Mr R Yashwanthraja

Mr Nithin S

III B.E. Mechanical Engineering IV B.Tech. ADS

I B.E. CSE (CyS)

Mr Mathan Raj S

Ms Aparna Sulochana N

Mr Riyash D

I B.E. CSE (CYS)

I B.Tech. (ADS)

I B.E. CSE (CYS)

