Department of
Computer Science & Engineering

BITS
AND
BYTES

NEWSLETTER

Volume 4
JUN 2021

Our Patrons

Dr. A. J. Shetty
President, LMET

Mr. Prashanth Shetty
Vice-President, LMET

Dr Shantharama Rai C.
Principal, AJIET

Vision of Institute

To produce top-quality engineers who are groomed for attaining excellence in their profession and competitive enough to help in the growth of nation and global society.

Mission of Institute

- To offer affordable high-quality graduate program in engineering with value education and make the students socially responsible.
- To support and enhance the institutional environment to attain research excellence in both faculty and students and to inspire them to push the boundaries of knowledge and base.
- To identify the common areas of interest amongst the individuals for effective industry-institute partnership in a sustainable way by systematically working together.
- To promote the entrepreneurial attitude and inculcate innovative ideas among the engineering professionals.

HOD's Message

Dr Antony PJ

Every day is a change to be better", It gives me a great opportunity to present the fourth volume of the CSE department newsletter "BITS & BITES". In the past semester, we have succeeded in conducting several different activities by the students and faculties in various streams such as academic, co-curricular, extra-curricular as well as research & development. This volume of the CSE newsletter would mirror the overall activities conducted in the last few months and will motivate our students and faculties to continuously carry out further more achievements in the coming days. I express my deep gratitude to our college Management and our Principal for all the support and encouragement. I would like to congratulate the staff editor Mr. Shreyas Harady for his dedication and also Ms. Anitha R Bhat (3rd year CSE) Mr. Sachin (2nd Year CSE) for the attractive design and efforts taken in bringing out this department newsletter. Also, I congratulate and thank each and every one who directly and indirectly has contributed to nurturing our department.

Vision of Department

To adapt the evolutionary changes in computer science and expose the students to the cutting-edge technologies to produce globally competent professionals.

Mission of Department

1. To mould the students by providing quality computer education and by strengthening the Industry-Academic interface.
2. To impart the professional skills, innovative research activities and entrepreneurial capabilities in students

Editorial Board

Program Specific Outcomes(PSOs)

At the end of the program, graduates will be able to

PSO1

Apply engineering principles, professional ethics and fundamental science in designing systems and communication models (protocols).

PSO2

Design and develop smart and intelligent based applications in computational environment.

Program Educational Objectives (PEOs)

PEO1

To develop in students, the ability to solve real life problems by applying fundamental science and elementary strengths of computer science courses.

PEO2

To mold students, to have a successful career in the IT industry where graduates will be able to design and implement the needs of society and nation.

PEO3

To transform students, to excel in a competitive world through higher education and indulge in research through continuous learning process.

Program Outcomes (POs)

Engineering Graduates will be able to:

- Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
- Problem analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
- Design/development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
- Conduct investigations of complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
- Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.
- The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
- Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
- Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
- Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
- Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
- Project management and finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
- Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

Gems Who Made Us Proud

Name	Company Name
Unni	Mangalore Infotech Solutions Pvt. Ltd.
Roopa S Nayar	
Sonali Acharya	
Maanvi Anchan	Jaro Education
Rashmi R Rao	7Edge Pvt. Ltd.
Janmitha Bangera	
Safvan	
Aishwarya B Shetty	SilverPeak Global
Harshitha Amin	
Sinchana Lahari	
Sahal Kasim	
Chaithraly	
Smitha A S	
Sonali L	
Sahal Kasim	CodeCraft Technologies Pvt. Ltd.
Sheeba H Bangera	

Gems Who Made Us Proud

Name	Company Name
Chaithrali Salian	WebWings Global Solutions
Safvan	
Janmitha Bangera	
Maanvi Anchan	
Shreelatha	QSpiders
Shravya	
Shravya	Talentio Solutions India

Technical Webinars presented by Students

Name	Topic
ABHIJITH A V	Phishing
ABHINAND P	Digital Forensics
AISHWARYA B SHETTY	Block chain
AJITH	Starlink
AKSHAY P	Advanced Driver Assistance Systems(ADAS)
ALBIN SUNNY	Search Engine Optimization
AMALJITH	Honeypots
ANUSHA B M	E-BALL Technology
ARDHRA BABU	Image Classification
ATUL K	Elon musk & AI
BENDITTA CHACKO	IP Spoofing
CHAITRALY	Face Recognition System
GOKUL N V	Brain ComputerInterface
HANSEA COELHO	Payment Card Industry Data Security Standard
HARSHAKRISHNA A	Touchless touchscreen Technology
HARSHITA PRABHU B	Cloud Technology
HARSHITHA AMIN	Mobile computing
IRFADUL HAQUE C T	Polymer memory

Technical Webinars presented by Students

Name	Topic
KARTHIK V BHAT	Neuro evolution of Augmented Topologies
KEITH LENNOR VEIGAS	5G Technology
MAANVI ANCHAN	Big Data Analytics
MRUDUL P K	Firewall
MUHAMMAD RAYEES N. P	Detection of reviews using sentiment analysis
NIKHIL MANOHAR K	Augmented Reality
SETHU PILLAI	Electronic paper display
PRIYATA MANOHAR	UX design
RASHMI R RAO	IOT and Smart City
ROOPA S NAYAR	Deep learning in web browser
SAFVAN T	Blue Eyes Technology
SAHAL KASIM M P	Parasitic Computing
SAHANA SHETTY	React Js
SAMEEKSHA SHETTY	Cyber Crime
SHASHANK S MAYYA	Nano Technology
SHEEBA HENRITA BANGERA	Silent Sound Technology
JANMITHA SMRITI BANGERA	OTT technology
KANNAN	Quantum computing

Technical Webinars presented by Students

Name	Topic
SMITHA A S	5 Pen PC Technology
SNEHA JOSEPH	Augumented reality and virtual reality
SONALI L	Electronic voting based on blockchain
UNNI	Cryptocurrency
VARSHA V SHETTY	Cluster computing
ANUGRAH C	Voice over Internet Protocol (VoIP)
SWATHI S	Green computing
KARTHIK	Extended Reality Technology
SHRAVYA	Microsoft Power BI
SHREELATHA	Network security
SHRUDDHA	Fog screen technology
SINCHANA LAHARI	itwin technology

Faculty and Student Achievements

- Mr. Pradeep Kumar KG, Mr. Ajith, Mr. Karthik, Mr. Harshakrishna A, and Ms. Janmitha Smrithi Bangera "A Study on Learning – Teaching Methodology for Visually Impaired Children", Journal of Pensée, Volume 51 Issue 2, pp 453-469, February 2021.
- Saranya Babu, Rashmi R Rao, Shraddha, Sinchana Lahari, Varsha V Shetty "An Exploratory Study on Face Recognition Based Attendance Monitoring System'' International Journal of Creative Research Thoughts, Volume 9, Issue 2, pp 2522-2526, February 2021.
- Mr. Pradeep Kumar, Shreelatha, Sameeksha Shetty, Harshitha C Prabhu, Chaithrali "An Approach to Analysis on Covid-19 Data Through Web Scraper and Voice Assistant – A Survey" IEEE paper Elsevier Journal SSRN Publications, International Conference on Computational Intelligence and Data Science, 4th February 2021 - Won the Best Paper Award.
- Chanchal Antony, Aishwarya B Shetty, Harshitha Amin, Maanvi Anchan and Sonali L "Online Proctored Exam Monitoring System to Avoid Malpractice", Complex Systems and Complexity Science Journal, volume 8, issue 4, 2021
- Mrs.Snitha Shetty, Mrs. Aparna Shetty, Mrs. Saranya Babu, Mrs. Sharon D'Souza "Text identification system for the translation of English Language" IEEE paper Elsevier Journal SSRN Publications, International Conference on Computational Intelligence and Data Science, 4th February 2021.
- Arpitha M J has secured 3rd place in Hack4Happiness Hackathon organized by Dayananda Sagar University, Bengaluru on 13th and 14th March 2021.
- Chandana I K has successfully cleared the assessment for the skill Java conducted by HackerRank.