Department of Computer Science & Engineering

BITS AND BYTES

AJIET

NEWSLETTER

ENIGMA

Volume 3
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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

"Great things never come from comfort zones"- It gives me a great opportunity to present the third 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 editors Mrs. Sharon D'Souza and Mrs. Saranya Babu for their dedication and also Mr. Snehal (3rd 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
Sethu Pillai	Jaro Education
Maanvi Anchan	
Sahana Shetty	Robosoft Technologies
Keith Veigas	
Gokul N V	Juego Studios Pvt. Ltd.
Ajith Acharya	Infosys
Amaljith	SISA Information Pvt. Ltd.
Hansea Coelho	
Harshitha Prabhu	Novigo Solutions
Karthik Bhat	
Kannan	SLK Software
Kannan	Tata Consultancy Services
Karthik Bhat	
Keith Veigas	

Webinars Conducted

A Webinar on "Impact of Artificial Intelligence & Data Science" was conducted on 18th July. The resource person for the webinar was Mr. Shyam R, Associate Project Lead, Arnekt Solutions Pvt Ltd. The faculty coordinators were Mr. Pradeep Kumar and Mr. Chanchal Antony.

A Webinar on "Agile Framework and Devops" was conducted on 29th July. The resource person for the webinar was Ms. Harshini Shetty, Assistant Consultant, TCS Bangalore. The faculty coordinators were Mrs. Snitha Shetty and Mrs. Saranya Babu.
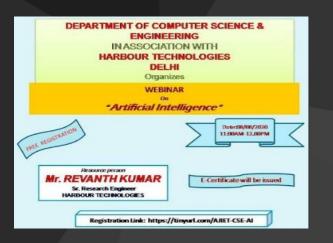

A Webinar on "Agile Framework and Devops" was conducted on 29th July. The resource person for the webinar was Ms. Harshini Shetty, Assistant Consultant, TCS Bangalore. The faculty coordinators were Mrs. Snitha Shetty and Mrs. Saranya Babu.

A Webinar on "Cyber Security" was conducted on 07th August. The resource person for the webinar was Mr. Anshu Kumar, Sr. Research Engineer, Harbour Technologies, Hyderabad. The faculty coordinators were Mr. Basappa Kodada and Mrs. Sharon C DSouza.

Webinars Conducted

A Webinar on "Artificial Intelligence" was conducted on 8th August. The resource person for the webinar was Mr. Revanth Kumar, Sr. Research Engineer, Harbour Technologies. The faculty coordinators were Mr. Nithin Heraje and Mrs. Aparna Shetty.

A Webinar on "Virtual IdeaThon" was conducted on 22nd August. The resource person for the webinar was Dr. Sachin, Asst.Professor, Amritha University. The faculty coordinators were Dr. Antony P J and Mr. Basappa Kodada.

A Webinar on "PerformTest --Performance and its testing tools" was conducted on 29th August. The resource person for the webinar was Ms. Aishwarya Saraswathi, Consultant for Supply Chain Services, IBM India Software Labs, Bengaluru. The faculty coordinators were Mr. Pradeep Kumar and Mr. Chanchal Antony.

FDP/Workshops Attended by Faculty

- Mrs. Snitha Shetty has attended 4 days online FDP on "Research Perspective in Futuristic Computing Technologies" by Dayananda Sagar University, Bengaluru, from 06th June to 09th June, 2020.
- Mrs. Saranya Babu and Mrs. Snitha Shetty has attended 5 days online FDP on "Natural Language Processing", by Reva University, Bangalore from 30th to 4th July, 2020.
- Mrs. Snitha Shetty has attended 3 days online FDP on "NLP and Related Technologies" by NMAM Institute of Technology, Nitte from 9th July to 11th July, 2020.
- Mr. Nithin K Heraje has attended 5 days online FDP on "Insights of writing research proposals and funding opportunity" by SJEC, Mangaluru from 20th July to 24th July 2020.
- Mr. Shreyas H has attended 4 days online FDP on "Research Methodology - A Detailed Research Process" by Sanathana Research and Training Institute, Mysore, from 29th July to 1st August 2020.
- Mr. Shreyas H has attended 5 days "Recent Trends in Biomedical Application" by Karunya Institute of Technology and Sciences, from 13 to 17 July 2020.

Faculty Achievements

- Mr. Chanchal Antony has published a paper titled "A Detailed Review of Security Breaches and Various Security Issues in Cloud Computing" in Scopus Journal of Seybold Report - August 2020, ISSN NO: 1533-9211.

- Mr. Chanchal Antony has published a paper titled "Need of Multi-Cloud Environment and Related Issues: A Survey" in Scopus Journal of Xi'an University of Architecture & Technology - October 2020, ISSN No: 1006- 7930.

- Mrs. Saranya Babu, Mrs. Snitha Shetty, Mrs. Aparna Shetty has published a paper titled "An Image Processing Based Model for Calculating Score in Electronic Target System Using WatershedAlgorithm" in International Journal for Research in Applied Science & Engineering Technology IJRASET- ISSN: 2321-9653, December 2020.

- Mrs. Snitha Shetty and Mrs. Saranya Babu has successfully completed 8 weeks course on "Programming for Everybody (GettingStarted with Python)" by Coursera in July 2020.