Department of Computer Science & Engineering

BITS AND BYTES

AJIET

NEWSLETTER

ENIGMA

Volume 1
JAN 2020

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

It gives me great pleasure for releasing the first volume of our CSE department newsletter "Bits&Bites". I would appreciate and congratulate the staff chief editor Mr. Nithin Kumar Heraje, the editorial board, students and staff of Computer Science & Engineering department of AJIET for the sincere hardwork and coordination for bringing out this newsletter beautifully. I express my sincere gratitude to our management, Laxmi Memorial Educational Trust (R.), for providing the excellent facilities. The various activities conducted by the department, Academic and extracurricular achievements of both students and faculties are beautifully captured in the first edition of this department newsletter. The CSE department has been travelling in right direction by providing outcome based, value based and skilled IT education. To cope up with today's evolutionary changes in IT field, we train our students to become more critical thinker and real problem solver, so that they can achieve excel in future. Right now we are just a beginner and we have travelled very little. For the rest of our journey, I assure our subsequent department newsletter volumes definitely would come up with more and more insights focusing the growth of the CSE department. Once again I thank each and every one and wish all the very best.

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.
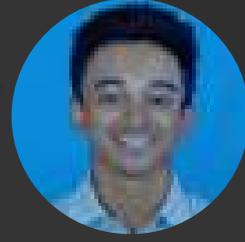2.To impart the professional skills, innovative research activities and entrepreneurial capabilities in students

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.

Student Achivements

- Srujana 100mts 2nd Prize AJIET (Sports Day)
- Srujana Long Jump 1st Prize AJIET (Sports Day)
- Srujana 4*100mts 1st Prize AJIET (Sports Day)
- Srujana Treasure Hunt 1st Prize AJIET (Tech Fest)
- Srujana Group Dance 2nd Prize AJIET (Cultural Fest)
- Shashank H Technical Paper Presentation 3rd Prize AJIET (Tech Fest)
- Savyashree A Dance (Cultural) 1st prize AJIET (Cultural Fest)
- Savyashree A 100mts, 200mts, high jump, 4*100mts relay 1st prize AJIET (Sports Day)
- Sampreetha Tech Collage Dance 1st Prize AJIET (Tech Fest)
- Shylesh English Essay 3rd Prize AJIET
- Amandas T P Marzuk Technical Quiz 2nd Prize AJIET (Tech Fest)
- Ramya Mehndi, Hair Style 2nd Prize AJIET
- Ramya Group Dance, Group Song 2nd Prize AJIET
- Ramya 4*100 mtr Relay 3rd Prize AJIET (Sports Day)
- Second year cse won the overall championship in annual sports meet 2017-2018
- Shrijal Nail Art 2nd Prize AJIET (Cultural Fest)
- Shrijal Essay 1st Prize AJIET (Tech Fest)
- Srujana High Jump 2nd Prize AJIET (Sports Day)
- Srujana 400mts 2nd Prize AJIET (Sports Day)
- Deekshith K Coding 1st Prize AJIET (Tech Fest)
- Deekshith K 100mts, 200mtr, 400mtr, 4*100mtr 1st PrizeAJIET
- Deekshith K Cover Page Design Participation AJIET
- Nayana Krishna P Digit Hunt 1st Prize AJIET
- Savyashree A Paper Presentation (Tech) 3rd PrizeAJIET (Tech Fest)
- Zuha Hair Style 3rd Prize AJIET (Cultural Fest)
- Zuha Essay 3rd Prize AJIET (Tech Fest)

Student Achivements

- Shrijal Group Dance 2nd Prize AJIET (Cultural Fest)
- Sowjanya Group Dance 1st PrizeAJIET (Cultural Fest)
- Sowjanya Paper Presentation (Tech) 3rd Prize AJIET (Tech Fest)
- Varsha Shetty Group song 2nd Prize AJIET (Cultural Fest)
- Varsha Shetty Paper Presentation (Tech) 1st Prize AJIET (Tech Fest)
- Hitesh Kumar Coding 2nd Prize AJIET (Tech Fest)
- Avaneesh A Photography 2nd Prize AJIET
- Avaneesh A Digit Hunt 1st Prize AJIET (Tech Fest)
- Zuha Group Dance 2nd Prize AJIET (Cultural Fest)
- Deekshith K Paper Rocket 1st Prize AJIET
- Zuha Group song 1st Prize AJIET (Cultural Fest)
- Hitesh Kumar Paper Rocket 3rd Prize AJIET (Tech Fest)
- Hitesh Kumar Group Song 3rd Prize AJIET
- Hitesh Kumar Mini Project 2nd Prize AJIET
- Keith Veigas and Shashank S Mayya seminar related to Graph QL, Electure.js participated CEOL, Mangalore
- Shashank S Mayya Inter Collegiate Monsoon Chess Tournament 8th Prize 39th Dakshina Kannada, Udupi and Kodagu district
- Sethu pillai yashassu nimma kaiyalli workshop organized by Gillette guard in association with Vijaya Karnataka won a cash prize of Rs.10000 Bangalore ,Shashank S Mayya, Mr Karthik V Bhat, Mr Manish TECHNICAL HACKATHON in AAKRITHI 20191st prize Canara Engineering College
- Second year CSE won overall championship in sports meet the year 2018-19
- Sethu Pillai Turncoat Contest at EMPARCH 2019 Zonal contest 2nd Prize Sahyadri College of Engineering & Management, Mangalore
- Sethu Pillai Humorous speech Contest at EMPARCH 2019 Zonal contest 3rd prize Sahyadri College of Engineering & Management, Mangalore
- Keith Veigas and Shashank s mayya secured 2nd place in technical quiz competition "CHANAKYA" held at Sahyadri college of Engineering Mangalore

Student Achivements

- Keith Veigas and Shashank s mayya secured first place in technical quiz competition held at st Joseph mca and bca college Mangalore
- Shashank s mayya secured Best Dakshina Kannada category award in International chess competition held at Belthangadi.
- Anusha BM secured first in 800mts race
- Sethu s pillai secured second in 3000mts race
- Ardhara babu secured second in 200 mis race
- Sahana shetfy secured first in 200,400 mis race
- Second year CSE won overall championship in sports meet the year 2018-19
- Sahana shetfy secured second in long jump
- Sahana shetfy,Aishwarya shetfy,Ardhara babu,Priyatha manohar secured first in relay race
- Gokul NV secured second in 1500 mis race
- Gokul NV secured first in 3000 mis race
- Gokul NV, Athul, Sahal Kasim, lrtadul Haque secured second in relay

CSE DEPARTMENT WON OVERALL CHAMPIONSHIP IN ANNUL SPORTS MEET 2018-2019

Gems Who Made Us Proud

Company	Name
SilverPeak Global	Ashika Sab
	Ashwitha
	Ishwarya Lakshmi
	Ramya
	Anvitha Rai
	Adhya Rai
	Srujana
	Shrijal
	Vishal Shet
	Nayana Krishna
DXE Technology	Ashika Sab
	Prajwal
	Ishwarya Lakshmi
	Ashwitha
	Ramya

Gems Who Made Us Proud

Company	Name
24[7].ai	Hitesh Kumar Siwan
	Adhya Rai
	Anvitha Rai
	Srujana
Wipro	Astle Russel Fernandez
	Chiranthan M V
	Nayana Krishna P
Infosys	Glen Reuben DSouza
	Sampreetha
	Chiranthan
IBM	Glen Reuben DSouza
	Varsha Shetty
	Zuha Vaseem
TCS	Alex B James
	Manish Raj

Gems Who Made Us Proud

Company	Name
Juego Studio	Deekshith K
	Manish Raj
	Savyashree
	Shashank H
Jaro Education	Mohammed Ashab
Capgemini	Sampreetha J
Codecraft Technologies	Ranjith B N
HashedIn	Deekshith K
The Syndicate Tech	Ramya R

Workshops

Workshop on Android Application Development & Java Application Development

The Departments of Computer Science and Information Science and Engineering jointly organized a 3 day hands on workshop on 11Android Application Development" on 23rd, 24th, and 26th September 2019. Mr. Chelan S P,Team Leader at Lemonaid Software Technologies Pvt Ltd was the resource person.

Telematics Engineering-IOT Connected Cars

The workshop was inaugurated by Mr. Sudarshana Karkala, Technical Manager, McAfee Software Private Limited, Bangalore in presence of The Principal Dr. Shantharama Rai C, AJIET, Mangaluru, Dr. Nagesh H R Professor & HOD of ISE and Dr. Anthony P J Professor & HOD of CSE

Industrial Visit

Industrial Visit To MPHASIS, Mangalore

Held On 04/1012017 An Industry Visit was conducted by CSE and ISE department to MPHASIS, Mangalore campus on 04/10/2017 from 10am to 1 :30pm for all the students of 3rd semester CSE and ISE branches.

Industrial Visit Company: DIYA SYSTEMS

Dept.of CSE AJIET Mangaluru Industrial Visit was organized by the department of computer science and engineering, to DIVA SYSTEMS, Mangaluru pvt ltd, Marry Hill Mangaluru campus on 05/06/2018 from 10:00am to 11:30am for all the students of 4th semester CSE and ISE department

Industrial Visit Company: IQUEST TECHNOLOGY

IQuest Technology Pvt Ltd.
Mysore Date: 03.05.2019 The 33 students from 3rd year CSE accompanied by 2 faculty members have vis ed IQuest Technology pvt ltd. Mysore on 03.05.2019.

Technical Talks

Technical Talk by EPITAS SOFTWARE

Association of Computer Science Engineering and Information Science Engineering had conducted a Technical talk on 13th August 2018, at AJIET first floor seminar hall, Mr Prabhjit singh, director of EPITAS software and office barriers of the EPITAS software were present on the occasion.

Talk on "SharePoint Online by Microsoft"

Technical Talk on 11SharePoint Online by Microsoft" ORGANISED BY Organized by Dept. Of Computer Science and Engineering COORDINATORS Mr. Basappa 8 Kodada DATE 08 May 2018 TI me 1 Day (2:00 to 4:30) Resource Persons: Mr. Sachin Shetty UI Designer, Information Architect MResult Mangalore

Tec nical tal on "Agile Scrum Methodology"

ITechnical talk on "Agile Scrum methodology" ORGANISED BY ENIGMA, A student association STAFF COORDINATOR: Mrs Bincy Joseph DATE: 26th March 2019 Time 2:00pm to 3:30pm RESOURCE PERSON: Mr. Desmond Joseph Rego, founder director and CEO, Town Hub Innovative Solutions Private Limited, Mangaluru .

Faculty Achievements

Dr Antony P J

- He is having more than 19 years of teaching/research experience.
- He presented and published more than 75 research articles in various reputed journals and con/ erences.
- He is an Editor in-Chief of the International Journal of Engineering Research in Computer Science and Engineering (ISSN: 2394-1310) and also the Editor in- Chief of KVGCE Journal of Computer Science (ISSN: 2394-2310).
- He also delivered number of technical talks and also the resource person for various technical programs.
- Based on his research he also published a book titled "Natural Language Processing for Indian Languages A Literature Survey" with ISBN - 13: 978-36592/ 5278.
- For his research contribution lo Kannada Language Computerisation, he has honoured with "Kodagu Sahitya Sammelana Award" by Kannada Sahitya Parishattu in the year 2015 and "Rest Citizens of India Award" in the year 2013.

Mr. Basappa B. Kodada

- He has 15 publications i11 reputed journals and conferences in his credit and participated in more than 14 workshops.
- He has given nearly 10 invited talks in different technical institutions. He was awarded as Bronze Partner Faculty by Infosys Bangalore, also selected for Sabbatical project in Infosys Bangalore.
- He is a life member of ISTE, SIT, AIRCC, UACE, SIE, IAENG, and ACEEE.

Mr.Chanchal Antony

- 14 publications in various International journals, national and international conferences.
- Life member of /STE chapter.

Mr. Nithin Kumar Heraje

- He is an active researcher in the area of digital image processing (Iris Recognition).
- He is having 03 publications in reputed international journals and conferences in his credit and participated in more than 20 workshops.
- He was awarded with A+ grade by Infosys during FEP on foundation program 4.0. He is the President of Kudroli Yuvaka Sangha (R.) as well known organization/or its social activities Estd. in 1963.
- He is also the life member of ISTE, IDES.

Mrs. Sharon C Dsouza

- She is a trained SAP-ABAP professional
- She is having 01 publication in an International Journal, 02 publications in National Conferences to her credit

Mr.Pradeep Kumar K.G

- He has published the papers in reputed journals and conferences and participated in more than 10 workshops.
- He has given invited talks in different schools, technical and non-technical institutions.
- He participated the successful Guinness World Record Attempt by INDIA along with 1234 participants for the longest single line bicycles moving, held at Hubballi, Karnataka.
- He is a life member of Indian Red Cross Society, Dakshina Kannada, CSTA, UACEE, IAENG, and IACSIT.

Mrs. Sharon C Dsouza

- Presented paper titled Identification And Enhancement Of Virtual Machine Scheduling Algorithm In Cloud Computing at International Conference On Network, Information And Communication-2014 (ICNIC),
- Published paper titled Identification And Enhancement Of Virtual Machine Scheduling Algorithm In Cloud Computing in Elsevier proceedings for International Conference on Networks, Information and Communications, 2014.
- Successfully completed NPTEL certification 12 weeks course on Software Engineering in November 2018.
- She is Lifetime member of Indian Society for Technical Education(ISTE).