

Department of
Computer Science & Engineering

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Volume 6
JUL 2022

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

“If you only do what you've always done, you'll only get what you've always got” - It gives me a great opportunity to present the sixth volume of the CSE department newsletter “BITS & BYTES”. 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 chief editor Ms. Nikhila for her dedication and also Mr. Karthik R (4th Year CSE), Mr. Aneesh M Bhat (4th Year CSE) and Mr. Sachin A (4th Year CSE) for the attractive design and efforts taken in bringing out this department newsletter. Also, I congratulate and thank each and everyone 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



Dr Antony PJ
Chairman



Ms Nikhila
Chief Editor



Mr Karthik R
Designer



Mr Sachin A
Designer



Mr Aneesh M Bhat
Designer

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

Company	Name	USN
mResults	Prathiksha	4JK18CS064
Green Print	Karthikeya Nerolu	4JK18CS029
	Nireeksha Rai G	4JK18CS041
Jaro Education	Ashika	4JK18CS015
	Deeksha	4JK18CS020
	Deeksha D Shenoy	4JK18CS021
	Pujari Riya Prem	4JK18CS044
	Sabhyatha Murial Suvarna	4JK18CS052
Unschool	Deeksha	4JK18CS020
CRMIT	Lavanya Pushpakar	4JK18CS031
Mavericks	Akshaya Bhalikha D.S	4JK18CS005
	Nikita Rama Marathi	4JK19CS402
Juego Studio	Monisha D	4JK18CS036

Company	Name	USN
Capgemini	Karishma Shetty	4JK18CS027
	Deeksha	4JK18CS020
	Neha C Naik	4JK18CS039
	Sanjana Shetty	4JK18CS053
	Sarthak	4JK18CS054
	Shihab Abdul Rahiman	4JK18CS056
	Pujari Riya Prem	4JK18CS044
Cognitive Cloud	Sanjana Shetty	4JK18CS053
Hexaware	Monisha D	4JK18CS036
Quick Metrix	Bharathraj Shetty	4JK19CS401
Tata Elexsi	Bharathraj Shetty	4JK19CS401
Skolar	Chandana Ballala J.R	4JK18CS018
	K V Bhoomika	4JK18CS026
	Meghana Shetty	4JK18CS035
	Saachya S Shetty	4JK18CS051
	Ranjith N	4JK18CS048

Company	Name	USN
Cyber Sapiens United LLP	Nirmala NB	4JK18CS065
Knowledge Lens	Subhakar	4JK18CS060
Infosys	Neha C Naik	4JK18CS039
	Monisha D	4JK18CS036
	Meghana Shetty	4JK18CS035
	Lavanya Pushpakar	4JK18CS031
	Bhavna Sharma	4JK18CS017
	Shraddha	4JK18CS057
	Karthikeya Kumar	4JK18CS028
	Akshay D T	4JK18CS004
	Deeksha D Shenoy	4JK18CS021
	Pujari Riya Prem	4JK18CS044
	S Nithin	4JK19CS404
CompuCenter	Amshitha R	4JK18CS009
Verzeo Edutech Pvt. Ltd	Ramyashree	4JK18CS047
QSpider	Amshitha R	4JK18CS009

Student Projects

USN	Name	Title	Guide
4JK18CS064	PRATHIKSHA	Vagabond- the Travel App	Dr. Antony P J
4JK18CS061	UNNATI K		
4JK18CS060	SUBHAKAR		
4JK18CS034	MANU KASHYAP		
4JK18CS017	BHAVNA SHARMA	Smart Power Consumption Analyzer and Controller	Mr. Siju V Soman
4JK18CS057	SHRADDHA		
4JK19CS400	ARPITHA M J		
4JK18CS039	NEHA C NAIK	Android App for Dairy Farmers	Mrs. Archana S
4JK18CS041	NIREEKSHA RAI G		
4JK18CS043	PALLAVI SHETTY		
4JK18CS044	PUJARI RIYA PREM		
4JK18CS012	ANITA RAMAKRISHNA BHAT	Crown Services	Mrs. Sharon D`Souza
4JK18CS019	CHANDANA I K		
4JK18CS062	VISHAKHA KOTECHA		
4JK19CS402	NIKITA R M		
4JK18CS021	DEEKSHA D SHENOY	Carbon Emission Monitoring System	Dr. Laxmi Gulappagol
4JK18CS026	K V BHOOMIKA		
4JK18CS027	KARISHMA SHETTY		
4JK18CS030	KEERTHANA R		

Student Projects

USN	Name	Title	Guide
4JK18CS032	LAVITA GLORIA LOBO	Detection and Diagnose of Malnutrition in Children	Mrs. Saranya Babu
4JK18CS036	MONISHA D		
4JK18CS040	NIDHI K		
4JK18CS053	SANJANA SHETTY		
4JK18CS035	MEGHANA SHETTY	Cervical Cancer prediction system using Convolution Neural Network	Mrs. Sharon D`Souza
4JK18CS048	RANJITH N		
4JK18CS050	RIFTHASHIA		
4JK18CS058	SNEHAL		
4JK18CS014	ANUVINDA K V	Password Manager	Mr. Basappa Kodada
4JK18CS065	NIRMALA N B		
4JK18CS024	INSHA NAZ		
4JK18CS018	CHANDANA BALLALA J R		
4JK18CS037	MUHAMMAD IHJAZ EBRAHIM	Design and Implementation of Student and Staff Score Card Generator	Mr. Basappa Kodada
4JK18CS038	MUHAMMED SHAMEEL A		
4JK18CS049	RASSAL T		
4JK17CS007	AKASH	RECO - Online Rental	Ms. Nikhila
4JK17CS030	MEHROOF		
4JK17CS039	R SRINIVAS		
4JK17CS003	ABLE SOBICHAN		

Student Projects

USN	Name	Title	Guide
4JK19CS403	NITHISH N SHETTY	Automated Shopping Trolley	Mrs. Archana S
4JK19CS404	S. NITHIN		
4JK19CS405	SHIVASHANKAR B. N.		
4JK18CS028	KARTHIKEYA KUMAR		
4JK18CS004	AKSHAY D T	Skin Disease Detection	Mrs. Saranya Babu
4JK18CS029	KARTHIKEYA NEROLU		
4JK18CS054	SARTHAK		
4JK19CS401	BHARATH RAJ SHETTY		
4JK18CS046	RAI NINAD BHASKAR	Sign Language Recognition	Mr. Siju V Soman
4JK18CS055	SHETTY CHIRAG DIVAKAR		
4JK18CS056	SHIHAB ABDUL RAHIMAN		
4JK18CS047	RAMYASHREE	Sharing is Caring-Charitable Trust Website	Mr. Chanchal Antony
4JK18CS051	SAACHYA S SHETTY		
4JK18CS010	ANANYA R SHETTY		
4JK18CS052	SABHYATHA MURIAL SUVARNA		
4JK18CS003	AKASH PRASAD	Blood Bank Application	Dr. Antony P J
4JK18CS022	DEVANARAYANA P C		
4JK18CS023	FAYEZ UMARUL FARUK		

Student Projects

USN	Name	Title	Guide
4JK18CS001	ADON BIJU	Canteen Food ordering and managing System	Mr. Chanchal Antony
4JK18CS006	AMAL KURIAKOSE		
4JK18CS025	JISMON M U		
4JK18CS007	AMAL MATHEW		
4JK18CS005	AKSHAYA BHALIKHA D S	Condensing Hindi text using numerical technique	Ms Nikhila
4JK18CS013	ANUSHA DSOUZA		
4JK18CS031	LAVANYA PUSHPAKAR		
4JK18CS059	SOURAB SURESH		
4JK18CS016	ASHWIKA V SHETTY	Leaf Disease Detection using Image Processing	Dr. Laxmi Gulappagol
4JK18CS015	ASHIKA		
4JK18CS009	AMSHITHA R		
4JK18CS020	DEEKSHA		

Project Grants for Academic Year 2021-22

Name of the Contest	Project Title	Student	Guide	Remarks
KSCST 45th Series Student Project Program by Karnataka State Council for Science & Technology, Bangalore	Smart Power Consumption Analyzer & Controller	Ms. Bhavna Sharma Ms. Shraddha Ms. Arpitha M J	Mr. Siju V Soman	Received funding worth Rs. 6000/-

Student Publication Details 2021-22

USN	Name	Title of Paper	Name of Journal	Details
4JK18CS064	Prathiksha	Vagabond - Travel App Using Android Studio	International Journal of Innovative Research in Science, Engineering & Technology (IJIRSET)	Volume 11, Issue 7, July 2022
4JK18CS061	Unnati K			
4JK18CS060	Subhakar			
4JK18CS034	Manu Kashyap			
4JK18CS017	Bhavna Sharma	Smart Power Consumption Analyzer & Controller - A Survey	International Journal of Creative Research Thoughts	Volume 10, Issue 6, June 2022, UGC Approved Journal
4JK18CS057	Shraddha			
4JK18CS400	Arpitha M J			
4JK18CS039	Neha C Naik	PASHUPALAK (An Android App for Dairy Farmers)	International Research Journal of Modernization in Engineering Technology & Science	Volume 4, Issue 6, June 2022
4JK18CS041	Nireeksha Rai G			
4JK18CS043	Pallavi Shetty			
4JK18CS044	Pujari Riya Prem			

USN	Name	Title of Paper	Name of Journal	Details
4JK18CS012	Anita Ramakrishna Bhat	Crown Services Connecting Neighbourhood Services	International Research Journal of Modernization in Engineering Technology & Science	Volume 4, Issue 5, May 2022
4JK18CS019	Chandana I K			
4JK18CS062	Vishakha Kotecha			
4JK19CS402	Nikita R M			
4JK18CS021	DEEKSHA D SHENOY	Carbon Emission and Battery Monitoring System	International Journal for Research in Applied Science & Engineering Technology	Volume 10, Issue 5, May 2022
4JK18CS026	K V BHOOMIKA			
4JK18CS027	KARISHMA SHETTY			
4JK18CS030	KEERTHANA R			
4JK18CS032	LAVITA GLORIA LOBO	A Survey on Detection and Diagnose of Malnutrition	International Journal for Research in Applied Science & Engineering Technology	Volume 10, Issue 5, May 2022
4JK18CS036	MONISHA D			
4JK18CS040	NIDHI K			
4JK18CS053	SANJANA SHETTY			
4JK18CS035	MEGHANA SHETTY	Cervical Cancer Prediction System Using Convolutional Neural Network	International Research Journal of Modernization in Engineering Technology and Science	Volume 4, Issue 05, May 2022
4JK18CS048	RANJITH N			
4JK18CS050	RIFTHASHIA			
4JK18CS058	SNEHAL			

USN	Name	Title of Paper	Name of Journal	Details
4JK18CS014	ANUVINDA K V	Literature Survey Paper on Password Manager	International Journal of all Research Education & Scientific Methods	Volume 10, Issue 05, May 2022
4JK18CS065	NIRMALA N B			
4JK18CS024	INSHA NAZ			
4JK18CS018	CHANDANA BALLALA J R			
4JK17CS007	AKASH S	Peer to Peer Online Rental Platform	International Journal of Engineering Research & Technology	Volume 11, Issue 6, June 2022
4JK17CS030	MEHROOF			
4JK17CS039	R SRINIVAS			
4JK17CS003	ABLE SOBICHAN			
4JK19CS403	NITHISH N SHETTY	AUTOMATED SHOPPING TROLLEY USING RFID	International Research Journal of Modernization in Engineering Technology and Science	Volume 04, Issue 05, May-2022
4JK19CS404	S. NITHIN			
4JK19CS405	SHIVASHANKA R B. N.			
4JK18CS028	KARTHIKEYA KUMAR			
4JK18CS004	AKSHAY D T	Survey on Skin Disease Detection	International Journal of Innovative Research in Science, Engineering and Technology (IJIRSET)	Volume 11, Issue 7, July 2022
4JK18CS029	KARTHIKEYA NEROLU			
4JK18CS054	SARTHAK			
4JK19CS401	BHARATH RAJ SHETTY			

USN	Name	Title of Paper	Name of Journal	Details
4JK18CS047	RAMYASHREE	Sharing is caring- Charitable Trust Website	International Journal of Innovative Research in Science, Engineering and Technology (IJIRSET)	Volume 11, Issue 6, June 2022
4JK18CS051	SAACHYA S SHETTY			
4JK18CS010	ANANYA R SHETTY			
4JK18CS052	SABHYATHA MURIAL SUVARNA			
4JK18CS037	MUHAMMAD IHJAZ EBRAHIM	SCORECARD GENERATOR	International Research Journal of Modernization in Engineering Technology and Science	Volume 04, Issue 06, June 2022
4JK18CS038	MUHAMMED SHAMEEL A			
4JK18CS049	RASSAL T			
4JK18CS001	ADON BIJU	Canteen Food Ordering and Managing System	International Journal of Current Science Research and Review	Volume 05, Issue 06, June 2022
4JK18CS006	AMAL KURIAKOSE			
4JK18CS025	JISMON M U			
4JK18CS007	Amal Mathew			

USN	Name	Title of Paper	Name of Journal	Details
4JK18CS005	AKSHAYA BHALIKHA D S	A Brief Study on Hindi Text Summarization using Natural Language Processing	International Research Journal of Modernization in Engineering Technology and Science	Volume 04, Issue 06, June 2022
4JK18CS013	ANUSHA DSOUZA			
4JK18CS031	LAVANYA PUSHPAKAR			
4JK18CS059	SOURAB SURESH			
4JK18CS016	ASHWIKA V SHETTY	Leaf Disease Detection Using Image Processing	International Research Journal of Modernization in Engineering Technology and Science	Volume 04, Issue 05, May 2022
4JK18CS015	ASHIKA			
4JK18CS009	AMSHITHA R			
4JK18CS020	DEEKSHA			
4JK18CS003	AKASH PRASAD	BLOOD BANK APPLICATION	International Research Journal of Modernization in Engineering Technology and Science	Volume 04, Issue 06, June 2022
4JK18CS022	DEVANARAYANA P C			
4JK18CS023	FAYEZ UMARUL FARUK			

Student Association Activities

InfoQuest



The Department of CSE along with the ENIGMA Association conducted a “InfoQUEST”, Technical quiz competition on 17th of January 2022 at 10:00 am in the college Seminar Hall. It was graced with the presence of our principal Dr. Shantharama Rai C, HOD of CSE department Dr. Antony P J, association coordinators Mr. Chanchal Antony and Ms. Nikhila G, teaching staffs, association members and the students from various departments.

Technical Talk on “Emerging Trends in Post COVID World”

The Department of Computer Science and Engineering in Association with the Student Association-ENIGMA conducted a technical talk on “Emerging Trends in Web Application and Opportunities Post Covid World” on 21st May 2022 at 11:00am in Seminal Hall 1. The Resource person for the event was Mr. Vipin Kumar Nittoor, Specialist java technologies, Infosys Ltd, Mangalore.



Farewell of 2018 Batch



The Farewell Celebration for the final year students of batch 2021 was held on 30th April 2022 at 3:00 pm in the seminar hall 3. All the newly graduates were welcomed with flowers as they entered the venue. The dignitaries of the event included HOD of CSE department Dr. Antony P J, Association coordinator Mr. Chanchal Antony, President of ENIGMA Mr. Ninad Rai, Mr. Manu Kashyap the Vice President of ENIGMA, Staffs of the CSE department and the current final year students. The seminar hall was beautifully decorated with photographs of the students reminding them of the times they have spent in the college and the friends that they have made.

Workshops/SDP/Technical Talk

5-Day Skill Development Program On “Mobile Application Development”



The Department of Computer Science and Engineering organized a 5-Day Skill Development Program (SDP) on "Mobile Application Development" for the 6th semester students and the faculties. There was a total of 60 students and 16 faculties who participated in this SDP. The Resource person were Mr. Chetan S P, Founder & CEO, Tackle -D Private Limited and Mr. Navile Nageshwara Naveen, HoD Dept. of CSE, MIT-T.

Bridge Course On “C++”

The Department of Computer Science and Engineering organized a 3-Day bridge course on "C++" for the 4th semester students. There was a total of 54 students who participated in this bridge course. The bridge course started with a brief introduction on the need for learning C++ by Mrs. Sharon C D'Souza. Students were made aware of the software need to execute the program. All the session were conducted by the internal faculties from the department.



Workshops/SDP/Technical Talk

Project Expo-2022



The Technical Committee of AJIET has organized Project Expo 2022 for the projects designed by students on innovative ideas and it was attracted to the students of various branches on 21st June 2022 from 10:00 am onwards. The Project expo for the Computer Science and Engineering Department was judged by Dr. Vandana B S, Associate Professor & Director MCA, Vivekananda College of Engineering and Technology, Puttur. The students demonstrated their working models along with the poster. There were 18 teams, with around 3-4 students in a team.

Workshop on “Advances in Database & SQL”

The Department of Computer Science and Engineering organized 3-days online workshop on the topic “Advances in Database & SQL” from 31st January 2022 to 02nd February 2022. Mr. Navile Nageshwara Naveen, Corporate Trainer, Speaker on Java programming & Android App Development, Bengaluru, Karnataka, India was the resource person for the event.



Technical Talk on “Kick Start on IoT Technologies”



The IoT and Developer's Community Club in association with Department of Computer Science and Engineering organized a Technical Talk on the topic “Kick-Start to IoT Technologies” on 5th February 2022, Saturday. Mr. Saurabh Samanta, Senior Research Staff in Bharat Electronics Limited Bengaluru was the resource person for the event. The technical talk by Mr. Saurabh Samanta briefed about the various application areas where IoT comes into picture, challenges and solutions with regard to certain problems in the society which can be solved through IoT technology. He also gave an insight about the architecture of IoT where it will help the students to build their projects based on the system requirement.

Student Achievements

Name	Semester	Event	Place	Date
Harshith Poojary	6	Web Designing Pirates	Mangalore Institute of Technology & Engineering	1st Place
Abhishek Mankame	6	Web Designing Pirates	Mangalore Institute of Technology & Engineering	1st Place
Pratheeksha	6	4*100 meters Relay	AJIET, Mangalore	1st Place