

Department of  
Computer Science & Engineering

**BITS**

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Volume 5  
DEC 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

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Dr Antony PJ

“dreams don’t work unless you do” - It gives me a great opportunity to present the fifth 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. Chanchal Antony for his dedication and also Ms. Chandana I K (4th Year CSE) and Mr. Aneesh Bhat (3rd 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

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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

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- 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



Mr Chanchal Antony  
Chief Editor



Ms Chandana I K  
Designer



Mr Aneesh Bhat  
Chief Designer

## Program Specific Outcomes(PSOs)

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

### PS01

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

### PS02

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

USN	Name	Company
4JK18CS034	Manu Kashyap	Novigo Solutions, Mangalore
4JK18CS058	Snehal	
4JK18CS046	Ninad Rai Bhaskar	
4JK18CS024	Insha Naz	
4JK18CS017	Bhavna Sharma	
4JK18CS058	Snehal	Robosoft, Udupi
4JK18CS017	Bhavna Sharma	
4JK18CS024	Insha Naz	TCS
4JK18CS062	Vishakha Kotecha	
4JK18CS016	Ashwika V Shetty	
4JK18CS061	Unnati K	
4JK18CS013	Anusha Dsouza	
4JK18CS055	Shetty Chirag Divakar	
4JK18CS032	Lavita Gloria Lobo	
4JK18CS030	Keerthana R	
4JK18CS400	Arpitha M J	SAP
4JK18CS064	Prathiksha	mResults

# Gems Who Made Us Proud

USN	Name	Company
4JK18CS015	Ashika	Jaro Education
4JK18CS020	Deeksha	
4JK18CS021	Deeksha D Shenoy	
4JK18CS044	Pujari Riya Prem	
4JK18CS052	Sabhyatha M Suvarna	
4JK18CS019	Chandana I K	Wipro Ltd.
4JK18CS062	Vishakha Kotecha	
4JK18CS010	Ananya R Shetty	
4JK18CS027	Karishma Shetty	
4JK18CS060	Subhakar	
4JK18CS061	Unnati K	
4JK18CS032	Lavita Gloria Lobo	
4JK18CS040	Nidhi K	
4JK18CS031	Lavanya Pushpakar	Sasken Technologies
4JK18CS057	Shraddha	
4JK18CS043	Pallavi Shetty	
4JK18CS012	Anita Ramakrishna Bhat	



# Gems Who Made Us Proud

USN	Name	Company
4JK18CS009	Amshitha R	iWave Systems, Bangalore
4JK18CS019	Chandana I K	
4JK18CS039	Neha C Naik	
4JK18CS057	Shraddha	
4JK18CS062	Vishakha Kotecha	
4JK18CS010	Ananya R Shetty	
4JK18CS020	Deeksha	Unschool
4JK18CS029	Karthikeya Nerolu	Green Print
4JK18CS041	Nireeksha Rai G	
4JK18CS050	Rifthashia	Unicourt India, Mangalore
4JK18CS060	Subhakar	Birlasoft Ltd.



# Certifications

USN	Name	Organized By	Course Title
4JK18CS009	Amshitha R	Great Learning	Front End Development- CSS
4JK18CS010	Ananya R Shetty	mycaptain	Web Development
4JK18CS012	Anita R Bhat	Great Learning	Front End Development-HTML
4JK18CS013	Anusha D`Souza	Great Learning	Front End Development-HTML
4JK18CS015	Ashika G P	SoloLearn	HTML
4JK18CS016	Ashwika Shetty	SoloLearn	JavaScript
4JK18CS019	Chandana I K	SmartKnower	Web Development
		Great Learning	Java Programming
4JK18CS021	Deeksha D Shenoy	Great Learning	Data Structures in C
4JK18CS024	Insha Naz	Great Learning	Introduction to Digital Marketing
4JK18CS026	K V Bhoomika	Great Learning	MYSQL Basics
4JK18CS027	Karishma	Great Learning	MYSQL Basics
		Great Learning	SQL for Data Science
4JK18CS028	Karthikeya Kumar	Great Learning	Front End Development-HTML
4JK18CS030	Keerthana R	Great Learning	MYSQL Basics
4JK18CS031	Lavanya Pushkar	Great Learning	Front End Development-HTML
4JK18CS032	Lavita Gloria Lobo	Udemy	HTML, CSS & JavaScript

# Certifications

USN	Name	Organized By	Course Title
4JK18CS035	Meghana Shetty	SoloLearn	SQL
4JK18CS036	Monisha D	AJIET, Mangalore	Mobile Application Development
4JK18CS039	Neha C Naik	Cognitive Class.AI	Introduction to Data Science
4JK18CS040	Nidhi K	Great Learning	Introduction to Data Mining
4JK18CS041	Nireeksha Rai	SoloLearn	SQL
4JK18CS043	Pallavi Shetty	GUVI	Python
4JK18CS047	Ramyashree	Great Learning	Introduction to Django
4JK18CS050	Rifthashia	SoloLearn	Python for beginners
4JK18CS052	Sabyatha Murial Suvarna	ShapeAI	Python and Deep Learning
4JK18CS055	Shetty Chirag Divakar	Google	Technical Support Fundamentals
4JK18CS062	Vishaka Kotecha	Bridget Learning Academy	Python Programming
4JK19CS400	Arpitha M J	Yonsei University	IoT Wireless and Cloud Computing Emerging Technologies
4JK19CS403	Nithish N Shetty	Great Learning	Java Programming
4JK19CS404	S Nithin	Great Learning	Java Programming
4JK19CS405	Shivashankar B N	Great Learning	Java Programming

# Student Association Activity#1

## Enigma Cricket League



Staff Coordinators: Mr Chanchal Antony

Date: 4th December 2021

The Department of CSE under the banner of student association conducted Enigma Cricket league on December 04 2021 at 2:30 PM. There were 4 teams that took part in this event. The 4 teams that participated were Firstly, Binary Beasts, their leader is Shameel and Dr. Antony P J as staff coordinator, Secondly, Hypertext Asians, their leader is Snehal and Dr. Basappa BK as staff coordinator, Thirdly, Trojans, their leader is Bharath Raj and Mr. Chanchal Antony as staff coordinator and Lastly Syntax terror, their leader is Ninad and Mr. Siju soman as staff coordinator. Team Trojan ended up winning this league, and team Binary beasts were the runner ups.

# Student Association Activity#2

## Branch Inaugral Ceremony



Staff Coordinators: Mr Chanchal Antony, Ms Nikhila G  
Date: 22nd November 2021

The Department of CSE conducted branch inauguration ceremony of 2nd year students conducted by ENIGMA, the student association on 22nd November 2021 at 1.30 PM at Seminar hall 3. Mr Deepak Raj who works in Manager-Risk investigation Perfect Order Experience Amazon Development centre Bangalore was the chief guest. The formal function was followed by informal function as a part of branch entry event where cultural program and games were conducted by the 3rd and 4th year students to welcome their juniors, i.e the 2nd year students.

# Student Achievements

Name	Event	Place	Date
Namratha Shetty	800 m free style	Third	15-Dec-2021
Namratha Shetty	200m IM	Third	15-Dec-2021
Namratha Shetty	400m IM	Third	15-Dec-2021
Namratha Shetty	100m Butterfly	Third	15-Dec-2021
Namratha Shetty	200m Backstroke	Third	15-Dec-2021

# Faculty Achievements

## PhD Awarded

Name of the Faculty	University	Year of Award
Dr. Basappa B Kodada	VTU, Belagavi	2021

## Patent Applied

Name of the Faculty	Topic	Applied Date
Dr. Basappa Bharmappa Kodada	SMART SYSTEM FOR THE MENSTRUAL CUP USING MACHINE LEARNING	25/11/2021

## Training

NAME OF THE EVENT	CO-ORDINATORS	DATE	RESOURCE PERSON	NUMBER OF PARTICIPANTS
Technical talk of “Introduction to Data Analytics in IOT”	Mr Pradeep Kumar KG Mrs Shilpa Shetty A	08-jul 2021	Mr.Chaitanya Sharma , Mindtree limited	150

## Sponsored Research

Project Title	Team Members Funding	Agency	Year & Amount Sanctioned	Status
Design and Implementation of security Solution for Healthcare Systems	Dr. Nagesh H R(PI) Dr. Kiran Kumar (CoI-1) Dr. Basappa B Kodada (CoI-2)	VTU Research Grant Scheme-2021	2021-22  Rs. 4.44 Lakhs /-	In Progress

## Memorandum of Understanding (MOU)

Name of the Event	Address	Motive	Number of Participants
KAKUNJE SOFTWARE PVT. LTD	Door No, 7S-7-336/t7, #205, 2nd floor, Abhiman Plaza, Bunts Hostel circle, Mangalore-575003	<ul style="list-style-type: none"> <li>To encourage interactions between the Engineers, Scientists, Research fellows, faculty members and students of both the organizations</li> <li>To involve in research activities with the aim of bridging the gap between academia and industry</li> </ul>	150