



# MALNAD COLLEGE OF ENGINEERING

(AN AUTONOMOUS INSTITUTION UNDER VTU, BELAGAVI)  
HASSAN, KARNATAKA 573202, INDIA

## Department of Computer Science and Engineering

Newsletter: Mar- June 2022

### Institute Vision

“To be an Institute of Excellence in Engineering education and research, producing socially responsible professionals”

### Institute Mission

- ◆ Create conducive environment for learning and research.
- ◆ Establish industry and academia collaboration.
- ◆ Ensure professional and ethical values in all institutional endeavors.



*The Department of Computer Science and Engineering has been actively promoting the development of students' skills and attributes through various events and initiatives.*

*The Department of Computer Science and Engineering conducted a range of technical events in collaboration with our esteemed alumni. These events covered a wide range of topics, including computer networks, software engineering, and the effective writing of technical articles and project reports using LaTeX. The students were able to interact with alumni, build their network, and gain valuable insights into their respective fields.*

*In celebration of World Earth Day, the department created a garden space within the department. This was an important initiative to raise awareness about the need for environmental conservation and sustainability.*

*The department also held an event called AURA, which showcased the best projects from our students. The presentations were of an exceptional quality and the best projects were awarded.*

*Finally, the department has achieved great success through placement of students in corporates, by publishing a patent and publications in peer reviewed journals that have made a significant contribution to the research community. These achievements demonstrate our commitment to advancing the field of computer science and engineering and driving innovation in our field.*

*I am happy to present this edition of the newsletter, and I hope it provides you with valuable insights into the exciting developments taking place in our department.*

**Dr. Geetha Kiran A**  
Prof. & HoD, CS&E



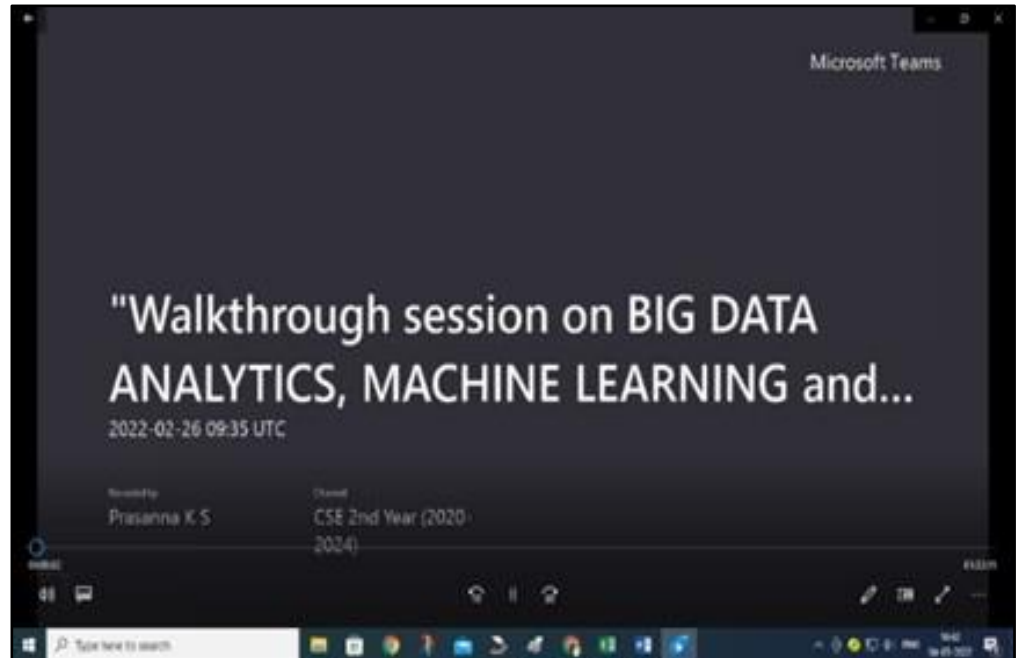
## Institute Vision

“To be an Institute of Excellence in Engineering education and research, producing socially responsible professionals”

## Institute Mission

- ◆ Create conducive environment for learning and research.
- ◆ Establish industry and academia collaboration.
- ◆ Ensure professional and ethical values in all institutional endeavors.

## AN ALUMNI TALK ON : “BIG DATA ANALYTICS, MACHINE LEARNING and ARTIFICIAL INTELLIGENCE”



- ◆ **Event Title** : An Alumni Talk on “BIG DATA ANALYTICS, MACHINE LEARNING and ARTIFICIAL INTELLIGENCE”
- ◆ **Date**: 26<sup>th</sup> February 2022
- ◆ **Beneficiaries**: 2<sup>nd</sup> year students
- ◆ **Resource Persons**: Mr. Shyama Sundar L B,  
Alumnus 2012 batch  
Senior AI Analyst, AIE, Bengaluru
- ◆ **Program Co-Ordinator**:
  - ◆ Dr. A Geetha Kiran, Prof & Head, CS&E.
  - ◆ Mr. B B Neelakantappa, Associate Professor, CS&E.



**VISION**  
 “To become a prominent department of Computer Science & Engineering producing competent professionals with research and innovation skills, inculcating moral values and societal concerns”

## Workshop on LATEX



- ◆ **Event Title :** Workshop on “LATEX”
- ◆ **Date:** 08<sup>th</sup> April 2022
- ◆ **Beneficiaries:** 3<sup>rd</sup> year students
- ◆ **Resource Persons:** Dr. S. V. Arunakumar  
Associate Professor, CS&E, MCE
- ◆ **Program Co-Ordinator:**
  - ◆ Dr. A Geetha Kiran, Prof & Head, CS&E.
  - ◆ Dr. S. V. Arunakumar, Associate Professor, CS&E.

## World Earth Day



- ◆ **Event Title :** Celebration of “World Earth Day”
- ◆ **Program Co-Ordinator:**
  - ◆ Dr. A Geetha Kiran, Prof & Head, CS&E.
  - ◆ Mrs. Nayana R. Assistant Professor, CS&E.





### MISSION

- ◆ Provide learning ambience to generate innovative and problem solving skills with professionalism.
- ◆ To create facilities and expertise in advanced computer technology thereby promote research.
- ◆ Enhance Industry Institute Interaction program to get acquainted with corporate culture.
- ◆ To induce ethical values and spirit of social commitment.

## Workshop on Concepts of Computer Networks



- ◆ **Event Title :** Two Days Workshop on “Concepts of Computer Networks”
- ◆ **Date:** 13<sup>th</sup> & 14<sup>th</sup> May 2022
- ◆ **Beneficiaries:** 3<sup>rd</sup> year students
- ◆ **Resource Person:** Mr. Vinod Kumar A,  
Trainer, Network engineer, Netcon
- ◆ **Program Co-Ordinator:**
  - ◆ Dr. A Geetha Kiran, Prof & Head, CS&E.
  - ◆ Mr. Tejonidhi M. R. Assistant Professor, CS&E.





*“You never change things by fighting the existing reality.*

*To change something, build a new model that makes the existing model obsolete.”*

— **Buckminster Fuller**

## Workshop on Software Engineering



- ◆ **Event Title : One Day workshop on “Software Engineering”**
- ◆ **Date:** 10<sup>th</sup> June 2022
- ◆ **Beneficiaries:** 2<sup>nd</sup> year students
- ◆ **Resource Person:** Mr. Vinayaka Naik  
Founder, Tahron
- ◆ **Program Co-Ordinator:**
  - ◆ Dr. A Geetha Kiran, Prof & Head, CS&E.
  - ◆ Mr. Ravi Kumar D, Assistant Professor, CS&E, MCE
  - ◆ Mrs. Sangeetha S, Assistant Professor, CS&E, MCE
  - ◆ Mrs. Varshitha K. C, Assistant Professor, CS&E, MCE





*“First we thought the PC was a calculator. Then we found out how to turn numbers into letters with ASCII — and we thought it was a typewriter. Then we discovered graphics, and we thought it was a television. With the World Wide Web, we've realized it's a brochure.”*

**– Douglas Adams**

## AURA: Project and Poster presentation



- ◆ **Event Title :** **AURA: Project and Poster presentation**
- ◆ **Date:** 24<sup>th</sup> June 2022
- ◆ **Beneficiaries:** 3<sup>rd</sup> and 4<sup>th</sup> year students
- ◆ **Juries:**
  - ◆ Dr. V. N. Manjunath Aradhya, Associate Professor & Head, Department of Computer Applications, JSS S&T University, Mysuru.
  - ◆ Dr. B. S. Harish, Professor, Department of Information Science and Engineering, JSS S&T University, Mysuru.
  - ◆ Dr. M. S. Maheshan, Assistant Professor, Department of Information Science and Engineering, JSS S&T University, Mysuru.
  - ◆ Dr. Mohana Lakshmi J, PROGRAM Lead, L&T Private Limited, Mysuru
- ◆ **Program Co-Ordinator:**
  - ◆ Dr. A Geetha Kiran, Prof & Head, CS&E.
  - ◆ Dr. Aruna Kumar S. V, Associate Professor, CS&E, MCE
  - ◆ Mr. Vinod A. M, Assistant Professor, CS&E, MCE



## Placements

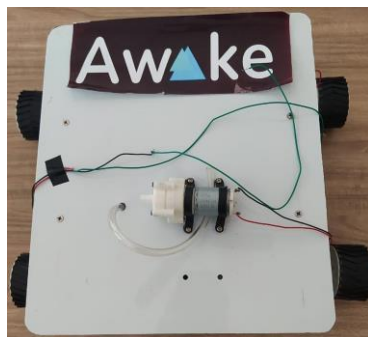
Sl.No	Company Name	No. of Students	Package (in Lakhs)
1	Noesys Software	02	5.5
2	MBRDI	07	10
3	Accenture	20	4.8
4	Coditas	01	3.5
5	Global logic - hitachi	01	5.51
6	Capgemini	11	4
7	OneTrust	11	6
8	Wipro	31	3.5
9	Spurtree	11	3.8
10	TCS	20	3.36
11	Healthasyst	02	3.4
12	IBM	01	3.6
13	Happiest minds	05	4.2
14	Robosoft technologies	01	4.5





## K-tech Innovation Hub (NAIN – New Age Incubation Network) Projects

### Title: Automated Mopping Device



Project Guide: Dr. Geetha Kiran A

Project Members: Achal,  
Chinamyi R Shankar,  
Shashank D S

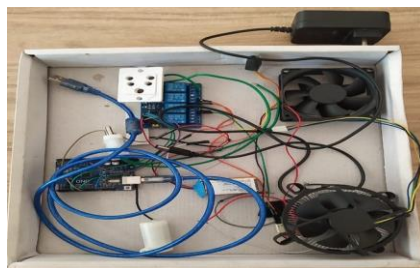
### Title: Tesla Dored



Project Guide: Dr. Aruna Kumar

Project Members: Tharun  
Tejas Kumar K  
Shreyas P S

### Title: Vision



Project Guide: Mr. Madhu C K

Project Members: Karan H B  
Madhavan D  
Navya B H  
Nikhitha B R







## Puzzle: Cut blocks

Cut blocks There are two rules that must hold of a completed cut block puzzle.

1. Each area marked out by darker lines must contain the numbers from 1 up to the number of squares in the area. For example, the top most area in the first puzzle below consists of 5 squares so those squares must be filled with the numbers: 1, 2, 3, 4 and 5 with no repeated numbers. If the area has two squares, like the one bottom left below, then it must be filled with the numbers 1 and 2.
2. No number can be next to the same number in any direction, whether horizontally, vertically or diagonally. So in the grid below, the fact that there is a 4 on the side means there cannot be a 4 in any of the 5 squares surrounding it. Here are two simple cut block puzzles, and then a harder one.

		2
4		
2		

	3	
	5	

		1	4			
			3			
		6				
2		3		5		4





## PUBLICATIONS:

- **Mrs. Kavyasri M N, Dr. Ramesh B** “**Key-Cipher-Policy based ABE with Efficient Encryption of Multimedia Data at Data Centers of Cloud**”, **International journal of recent technology and Engineering** , May 2022.
- **Mrs. Kavyasri M N, Dr. Ramesh B** “**Secure Access of Multi- media Data at Cloud storage using Key-Cipher Policy-Based ABE Algorithm**”, **International journal of research and ana- lytical review** , April 2022.
- **Dr. Geetha Kiran A**, et. al. “**SynthNet: A skip connected depthwise separable neural network for Novel View Synthesis of solid objects**”, **Results in Engineering** , March 2022.

## BOOK CHAPTER PUBLICATION:

- **Dr. S V Aruna Kumar., et. al. ,** “**Detection of COVID-19 using a multiscale Deep Learning network: covid-MSNet Augmented Intelligence in Healthcare: A Pragmatic and Integrated Analy- sis**”, **Studies in Computational Intelligence** 1024, 420-435, 2022.
- **Dr. Geetha Kiran A., et. al. ,** “**Extrapolating Z-Axis Data for a 2D Image on a Single Board Computer**” **Lecture Notes in Net- works and Systems**, vol. 288, pp. 503-512, Springer, Singapore, 2021.

## PETENT PUBLISHED:

- **Dr. Geetha Kiran A., et. al. ,** “**A system for yield estimation of mango fruit crop using deep learning** ” , 2022.

