MALNAD COLLEGE OF ENGINEERING
(AN AUTONOMOUS INSTITUTION UNDER VTU, BELAGAVI)
HASSAN, KARNATAKA 573202, INDIA

Computer Science and Engineering

Newsletter: Aug–2021 to Feb-2022

♦ **The Malnad College of Engineering** (**MCE**) is an engineering college located in Hassan, Karnataka, India, it was established in 1960.

♦ The institution is affiliated with the Visvesvaraya Technological University in Belagavi.

♦ The college has received the Best Engineering College award by the Indian Society for Technical Education (ISTE) during the year 2007.

♦ The college is built on a campus of about 44 acres and is a technical education center. At present, the college conducts 9 B.E. programs and 5 M.Tech Programs and the MCA program and has 2750 students on its rolls.

♦ All programs have got NBA accreditation under Tier-I.

♦ The college is one amongst 19 Engineering colleges in the state qualified for the Technical Education Quality Improvement.

DEPARTMENT VISION

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

About the Department

The department of Computer Science & Engineering was established in the year 1983 and the department offers a Bachelor of Engineering degrees in Computer science and Engineering with an intake of 180 students. These degree programs prepare graduates for successful, profitable, and lifelong careers in Computer Science & Engineering. Computer Science and Engineering students study hardware and software systems through innovative classroom instructions, supported by laboratories equipped with the state of the art hardware and software. A computer science lab2 was set up with 60 computers and first year lab was accommodated with 70 computers. The department ensures that the students are introduced to both fundamental and advanced knowledge in areas such as Machine learning, Networking technology, computer security and software engineering, etc.

Salient Features of the department are as follows.

- ♦ The department has got NBA accreditation under Tier-I.
- ♦ The VTU has recognized the department as a research center for carrying out research work leading to M.Sc. (Engg.) by Research & Ph.D degrees.
- ♦ State of the Art Computing Facilities.
- ♦ ICT in Teaching and Learning.
- ♦ Mentoring by Industry experts for various courses wherever necessary.
- ♦ Research & Publications with Social Impact.
- ♦ Supportive Learning for Placements.
- ♦ Professional Development for Industrial Engagement.
- ♦ Alumni Expert talk will be organized on every month.

Program Educational Objectives

- ♦ **PEO 1:** Graduates will be efficient software developers in diverse fields and will be successful professionals and/or pursue higher studies.
- ♦ **PEO 2**: Graduates will be capable to adapt to new computing technology for professional excellence and Research and will be lifelong learners.
- ♦ **PEO 3**: Graduates will work productively exhibiting ethical qualities for the betterment of society.
- ♦ **PEO 4 :** Graduates will possess leadership qualities, work harmoniously in a team with effective communication skills.

DEPARTMENT 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.*

DEBATE: ENTREPRENEURSHIP OR JOB

Event title: "DEBATE ON ENTREPRENURSHIP OR JOB"

Date: 24th August

Beneficiaries: CSE students

Convener : Dr. Geetha Kiran A, Professor and Head, CSE, MCE.

Organizing Committee:

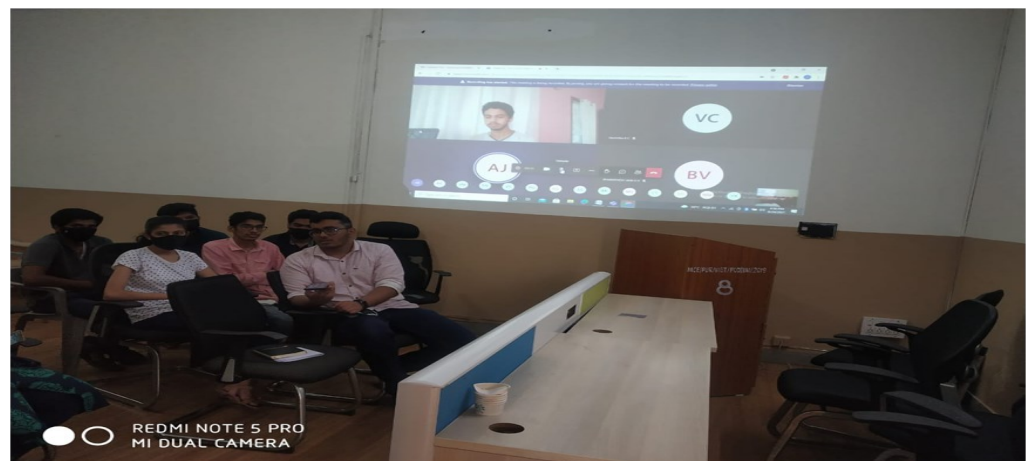1. Impana P, Asst Professor, Dept. of CS&E, MCE
2. Chandana H.M, Asst. Professor, Dept. of CS&E, MCE
3. Varshitha K. C, Asst. Professor, Dept. of CS&E, MCE

PANEL DISCURSION ON DESIGN THINKING

Event title: "**PANEL DISCURSION ON DESIGN THINKING**"

Date: 24th August 2021

Beneficiaries: Third year CSE students

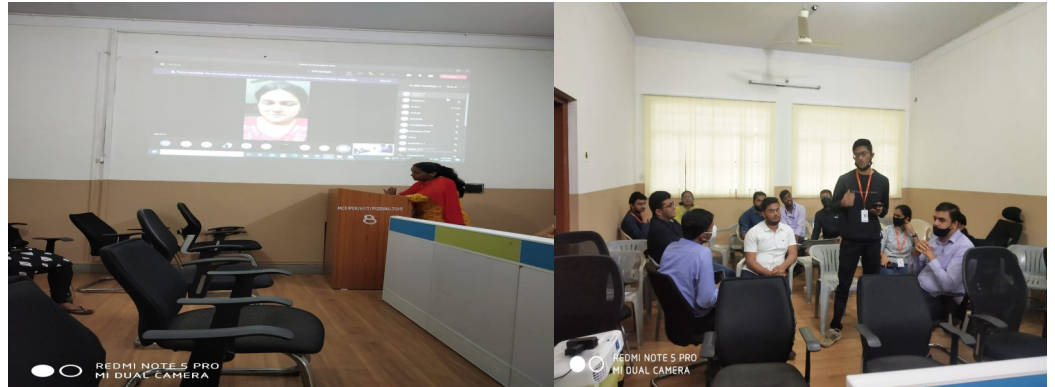**Organized by:** Department of CSE in association with ME-RIISE

Program Co-Ordinator:

1. Impana P, Asst Professor, Dept. of CS&E, MCE
2. Chandana H.M, Asst. Professor, Dept. of CS&E, MCE
3. Varshitha K. C, Asst. Professor, Dept. of CS&E, MCE
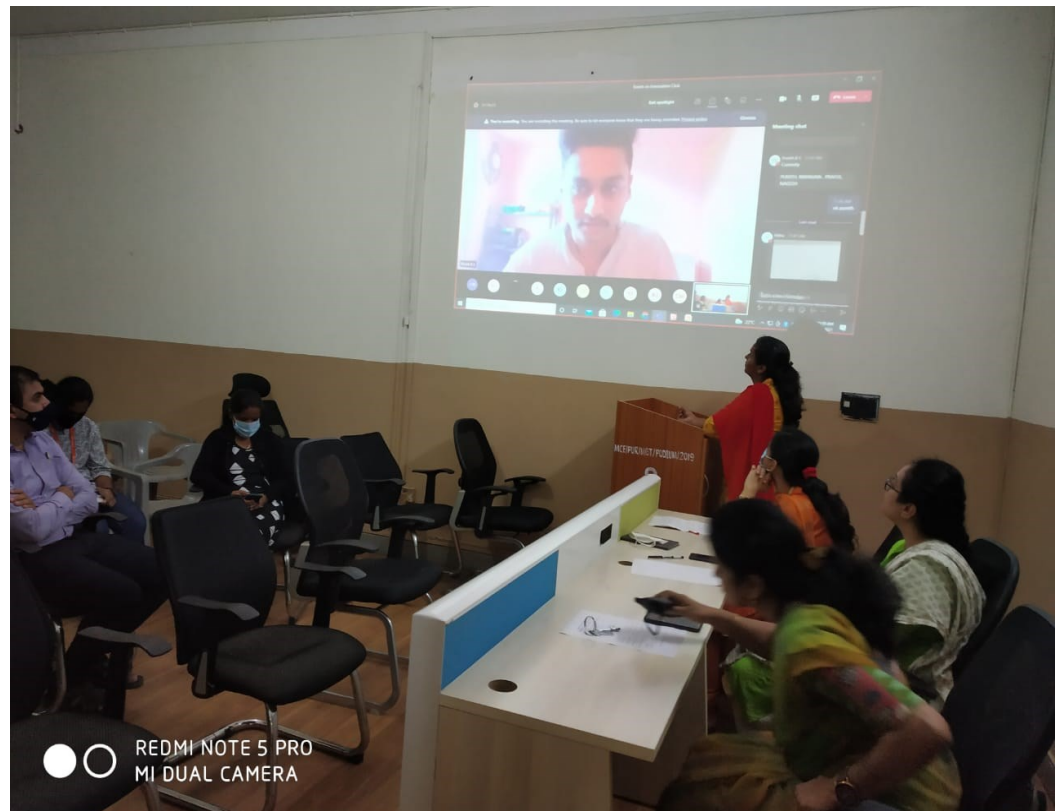
"Innovation Club Embarks"

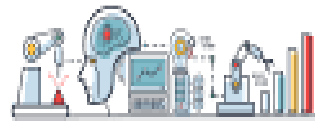**Event title:** "Innovation Club Embarks"

Date: 7th August 2021

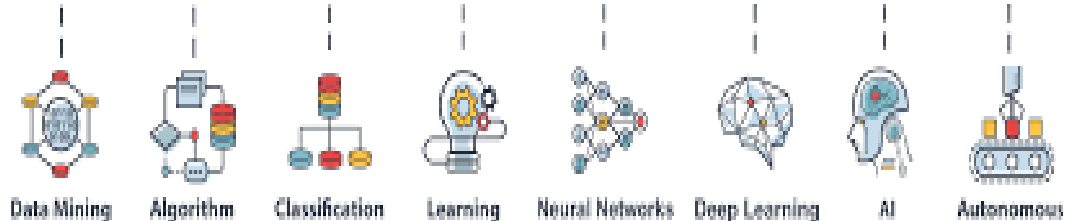**Beneficiaries:** Third year CSE students

Program Co-Ordinator:

1. Impana P, Asst Professor, Dept. of CS&E, MCE
2. Chandana H.M, Asst. Professor, Dept. of CS&E, MCE
3. Varshitha K. C, Asst. Professor, Dept. of CS&E, MCE

ALUMANI TALK: "MACHINE LEARNING - ROAD MAP"

MACHINE LEARNING

Data Mining | Algorithm | Classification | Learning | Neural Networks | Deep Learning | AI | Autonomous

- ♦ **Event title : Event title :** An alumni talk on "**MACHINE LEARNING - ROAD MAP** "

- ♦ **Date**: 25th September 2021

- ♦ **Beneficiaries:** CSE students

- ♦ **Resource person: Mr. Rahul Kumar Bazari, Alumni-2011(MCE-CSE)**
  Business Intelligence and Data Engineer
  AstraZeneca India Private Limited
  Tamil Nadu, India

- ♦ **CHIEF PATRON: Sri Ashok Haranahalli,**
  Chairman, MTES®, Hassan

- ♦ **Program Co-Ordinator: Mr. Neelakantappa B B**,
  Associate Professor, CSE, MCE.

- ♦ **Beneficiaries:** 2nd year CSE students

About resource person:

Mr. Rahul Kumar Bazari is an BI & Data Engineer with 10 years of IT experience with rich knowledge and expertise in Business Analytics, Software Development Life Cycle & Data Engineering skills. Technical and business knowledge of Retail/Telecom/Pharma industry, ITIL process and Lean IT. Successfully managed and supported regulatory and compliance projects. I stand out as a good team player with excellent interpersonal skills and efficient problem-solving skills.

WORKSHOP ON "CYBER SECURITY IDENTITY AND ACCESS MANAGEMENT"

♦ **Event title :** **workshop on "CYBER SECURITY IDENTITY AND ACCESS MANAGEMENT"**

♦ **Date**: 28th September 2021

♦ **Beneficiaries:** Students of MCE

♦ **Resource persons:**

   ♦ Mr. Ravi Kumar D, Assistant Professor, CSE, MCE.

   ♦ Mrs. Sangeetha S, Assistant Professor, CSE, MCE.

   ♦ Mrs. Kavya D, Assistant Professor, CSE, MCE

IMPACT LECTURE SERIES

- **Event title :** "IMPACT LECTURE SERIES"
- **Date**: 7th October 2021
- **Organized by: Dept of CSE** in association with ME-RIISE
- **Convener : Dr. Geetha Kiran A**, Professor and Head, CSE, MCE
- **Resource persons:**
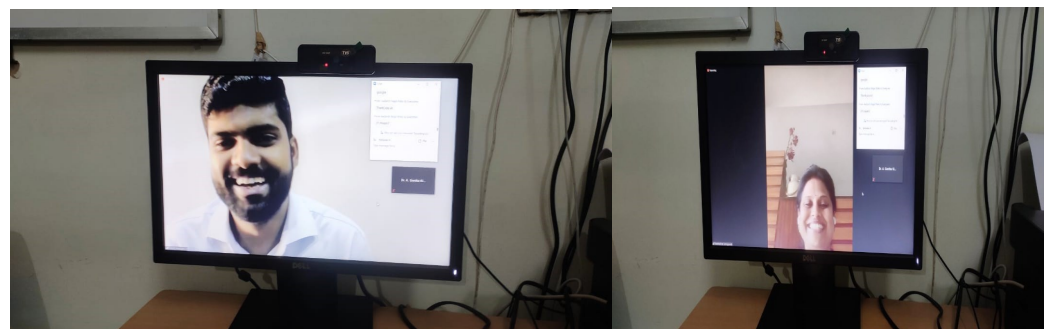 **1.Mr. Johnson Tellis**
  Empowering Youth through Community Centric Education
  Topic: Designing a Business model canvas and An effective pitch
  2.Mrs. Goutham Nayak
  Programme Director at Technical Career Education
  Topic: Design Thinking

Four weeks MICRO ENGINEERING CERTIFICATION COURSE on *CORE JAVA: AN INDUSTRIAL APPROACH*

Event title : Four weeks MICRO ENGINEERING CERTIFICATION COURSE on CORE JAVA: AN INDUSTRIAL APPROACH

- **Date**: 22nd October 2021onwards

- **Organized by: Dept of CSE** in association with ME-RIISE

- **Beneficiaries:** 2nd year student

- **Resource persons:** Resource Person R.Praveen Chandra Goud Senior Java Consultant

- **Faculty Co-ordinators :**

    1**.** Mrs. Shobha Chandra K, Assistant Professor, Dept. of CSE.

    2. Dr. Aruna Kumar S V, Associate Professor, Dept. of CSE .

    3. Mrs. Nivyashree R, Assistant Professor, Dept. of CSE

RESUME WRITING AND MOCK PLACEMENT

The resume writing introducing ourselves to us and to the reader. It gives a more complete overview of our experience and qualifications. This becomes very evident with the way we project the most needed keywords, eliminating what is not needed and enhancing what will add value to our career growth. Today, the perspective towards a resume has changed. Companies, today look for Resumes, CVs and Profiles, depending on the seniority that they are hiring for. You need a consultant to suggest and advise the right approach.

- **Event title :** **Alumni talk on RESUME WRITING AND MOCK PLACEMENT**
- **Date**: 04th December 2021
- **Beneficiaries:** 2nd year student
- Resource persons: Ms. Usha D T, Alumni-2011(MCE-CSE)
- Program Co-Ordinator: **Mr. Neelakantappa B,**
  Associate Professor, CSE, MCE

Yuva spandana: Best Startup/Business Idea Presentation

- **Event title :** **Best startup/business idea at "Yuva spandana"**
- **Idea name- E-MARKET (Open market for Agricultural products)**
- **Prize won: First Place (A cash prize of Rs. 40000/-)**
- **Presenters: Achal. J, 3rd Year CS&E Student**
  Anirudh, 3rd Year CS&E Student

Two days Hands-on workshop on *AWAKE FLUTTER*

- ♦ **Event title :** "Two days Hands-on workshop on AWAKE FLUTTER BOOTSTRAP"
- ♦ **Date**: 27th & 28th November 2021
- ♦ **Organized by: Dept of CSE**
- ♦ **Beneficiaries:** 2nd year student
- ♦ **Faculty Co-Ordinator: Dr. A. Geetha Kiran,**
  Professor & HOD, Dept of CSE

AN EXPERT TALK ON FAFAL

- **Event title :** An Expert Talk on FAFAL
- **Date**: 6th January 2022
- **Beneficiaries:** 2nd year student
- **Resource persons:** Dr. K.C. Ravi Shankarr, Professor and HOD,
      Dept. of CS&E, Govt. Engineering College,
      Mosalevasalli, Hassan

- **Program Co-Ordinator:**

   - Mrs.Ayeesha Siddiqha , Asst. Professor ,CSE, MCE, Hassan

   - Mrs. Nithyashree R, Asst. Professor ,CSE, MCE, Hassan

   - Mrs. Nayana R, Asst. Professor ,CSE, MCE, Hassan

AN ALUMNI TALK ON
"COLLEGE TO CORPORATE" (C2C)

- ◆ **Event title :** An Alumni Talk on College to Corporate (C2C)
- ◆ **Date**: 29th JANUARY 2022
- ◆ **Beneficiaries:** 2nd year students
- ◆ **Resource persons:**
    - ◆ Mr. Mohan Singh Tomar, Senior Manager, Honeywell Technology, Bangalore
    - ◆ Ms. Madhura Bhat, Alumni– MCE(CS) 2012 Batch, Advanced Software Engineer-3, Honeywell Technology, Bangalore
- ◆ **Program Co-Ordinator:**
    - ◆ **Mr. Neelakantappa B B**, Associate Professor, CSE, MCE

Faculty Publications

- **Dr. Geetha Kiran A**, **"Yield estimation in mango orchards using machine vision"**, AIP Conference Proceedings, 2021.

- **Dr. Chandrika J**, **"A Novel Machine Learning based Hybrid Model for Web shell Detection",** International Journal for Research in Applied Science and Engineering Technology , 2021.

- **Dr. Chandrika J**, **"Prediction of Liver Disease using Regression Tree ",** International Association of Online Engineering , 2021.

- **Mr. Shashidhara H V** , **"Air Quality Monitoring System Based On IOT using Raspberry PI",** International Journal of Innovative Research in Computer and Communication Engineering, 2021.

- **Mr. Shashidhara H V** , **"Smoke person detection "**, International Journal Innovative Research , 2021.

- **Mrs. Nithyashree R**, **"Gas Sensing Robotic Device using wifi",** International Journal of Innovative Research in Computer and Communication Engineering , 2021.

- **Mrs. Shobha Chandra** , **"Autism spectrum disorder screening: prediction with machine learning models",** International journal of creative research thoughts, 2021.

- **Mrs. Harshitha S**, **"Eye Tracking System for Password Authentication using Haar Cascade Classifier "**, International Journal of Engineering Science And Computing , 2021.

- **Ehsan Yaghoubi, S. V. Aruna Kumar, Hugo Proenca** , **"SSS-PR:A Short Survey of Surveys in Person Re-identification",** International Pattern Recognition Letters (Elsevier) , 2021.

BOOK CHAPTER PUBLICATION

- **Mr. Sumanth C M, Dr. Suresha D, "Confidence Analysis of a Solo Sign-On Device for Distributed Computer Networks: A Modelling Approach" , Recent Advances in Mathematical Research and Computer Science, Vol. 5, B P International, 2021.**

PATENT PUBLISHED

- **Dr. A.NARASIMA VENKATESH, Dr. HEMANT B. MAHAJAN, Dr. N.RAJKUMAR, Dr. C.VIJI, Mr. SUMANTH C M, etc , "IOT BASED SMART BIN MONITORING SYSTEM FOR SMART CITIES", 2021**

PLACEMENTS

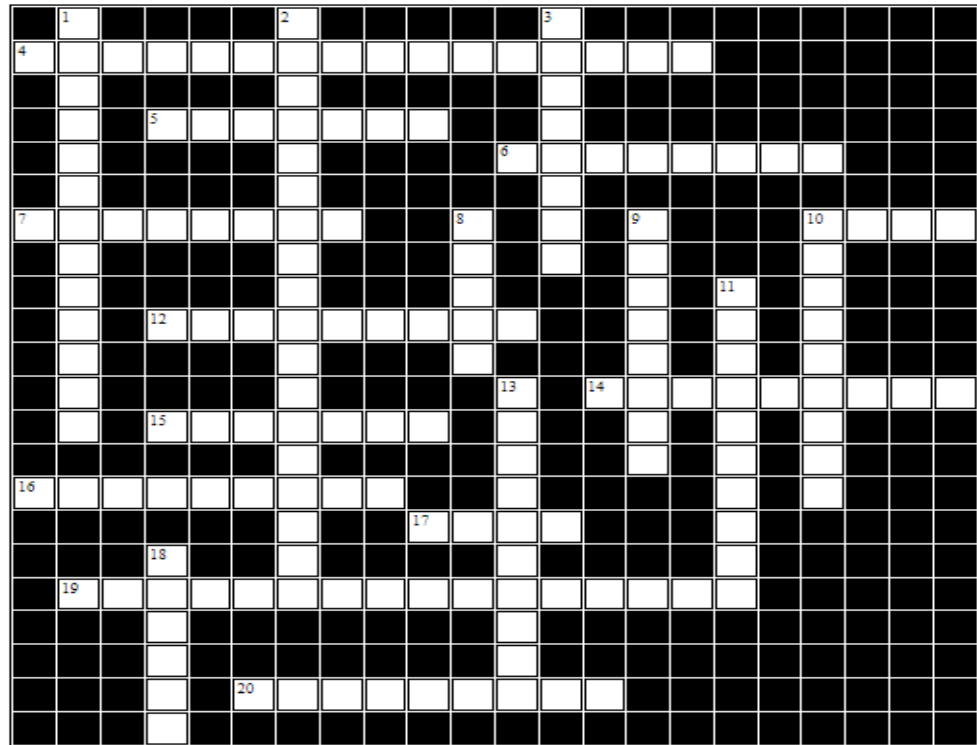| Company Name	Number of Students Placed
Mercedes Benz	7
Accenture	19
Coditas	1
Capgemini	11
MatreComm Technologies	2
Wipro	26
One Trust	11
Spurtree	11
HealthAsyst	2
TCS	20
Destination	2
Global Logic	7
Noesys Software	2
Robosoft	4
Surya Software	1
Accolite	1
MBRDI	7
MBRDI	2
IBM	1
Happiest minds	5
Quest global	3

Computer Science Department Sports

Computer Science crossword puzzle

Across

4. Is the study of computers, computing, programing, and computation with computer systems
5. An electronic visual display for computers
6. The programs that help the computer run
7. An electronic device
10. To update a document that has always been saved as
12. Is a layout software
14. A printed version on paper
15. When you save document for the first time giving it a name
16. Operation of a computer
17. A program used for typing documents
19. An application developed by Microsoft that was made by bill gates
20. Sequence of steps taken to solve a problem

Down

1. sdf and jkl; where your hands should be when typing
2. Devices that connect to a computer in order for us to get input and output (keyboard, printer, monitor)
3. A panel of keys that operate a computer
8. Software used for a spreadsheet
9. Physical components that make up a computer system
10. Typed but not printed yet and you can see it on the computer monitor
11. Device used to permanently restore and receive information
13. A presentation you can use for school or businesses
18. Database software