MALNAD COLLEGE OF ENGINEERING

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

Computer Science and Engineering

Department Newsletter: Jan– July 2020

- Developed an web application for monitoring COVID-19 persons under home quarantine.

- Mock Placement Test.

- State level coding challenge "CODE-IT" Competition.

- Ph.D Awarded for Gururaj H L

- AICTE MODROB grands sanctioned for Data Analytics Lab setup

- Granted TEQIP Competitive Research Fund, VTU, Belagavi

- KSCST Sponsored Project Approved

- Faculty publications

About our Department

The department of Computer Science & Engineering was established in the year 1983 and the department offers Bachelor of Engineering degree in Computer science and Engineering with an intake of 180 students. This 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. 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.
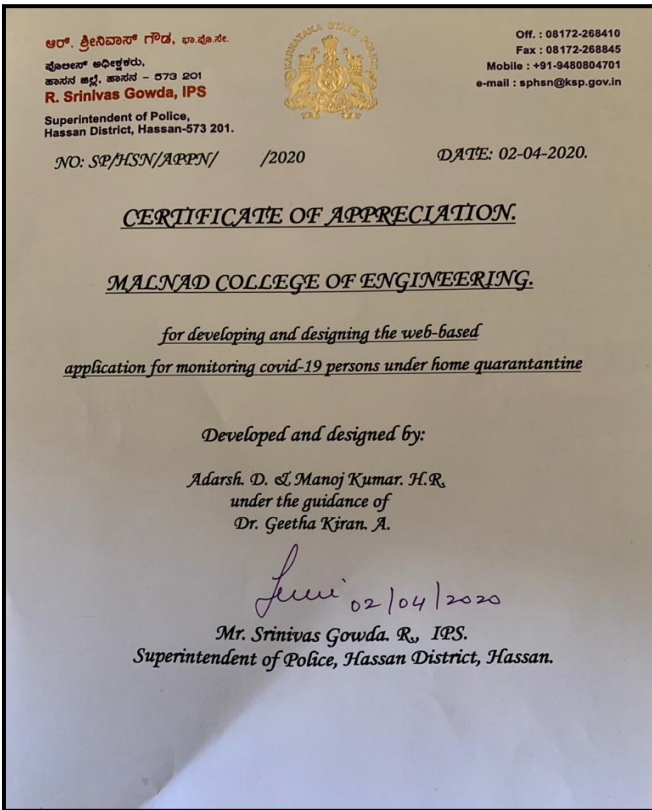
- The department has got NBA accreditation under Tier-I.
- The VTU has recognized the department as a research center for carrying out research work leading to M.Sc. (Engg) by Research & Ph.D degrees.
- State of the Art Computing Facilities.
- ICT in Teaching and Learning.
- Teacher as Mentor.
- Research & Publications with Social Impact.
- Supportive Learning for Placements.
- Professional Development for Industrial Engagement.

The department is regularly organizing several seminars, workshops, Conference, FDPs and Industry institution Interaction programs to help the faculty members and students to update their knowledge about the latest developments.

Program Educational Objectives

- Graduates will be an efficient software developer in diverse fields and will be a successful professional and/or pursue higher studies.
- Graduates will be capable to adapt to new computing technology for   professional excellence and Research and be a lifelong learner.
- Graduates will work productively exhibiting ethical qualities for the betterment of society.
- Graduates will possess leadership qualities, work harmoniously as a team   member with effective communication skills.
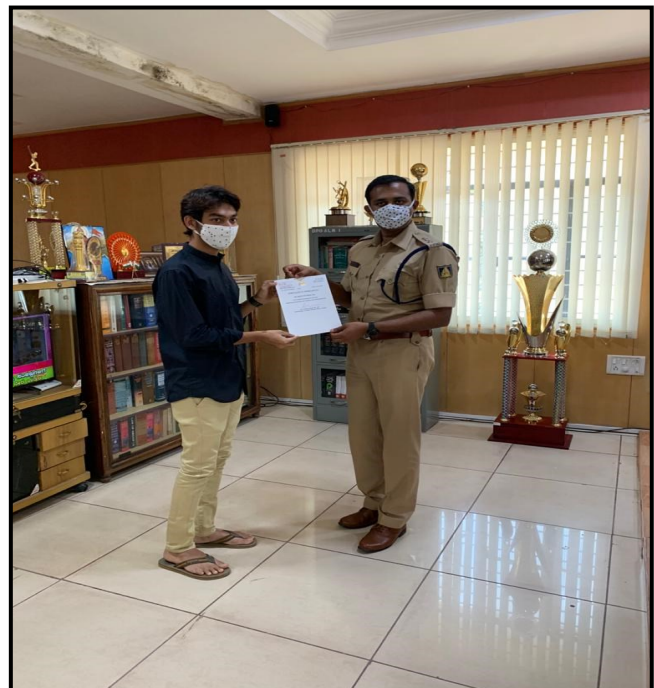
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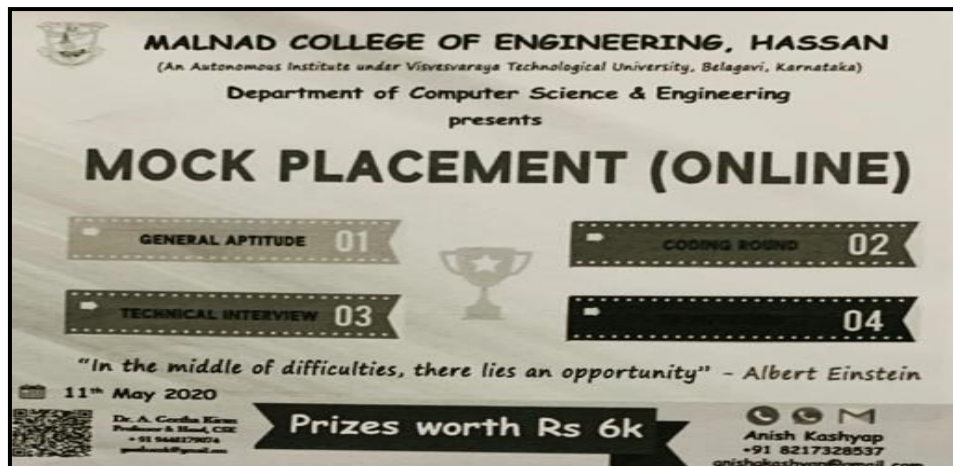

On this COVID-19 pandemic, the third year CSE students- Adarsh D and Manoj Kumar H R were developed an web application for monitoring COVID-19 persons under home quarantine under the guidance of Dr. Geetha Kiran A. On April 2nd 2020 that application was hand over to Mr. Srinivas Gowda R, Superintendent of Police, Hassan to monitor COVID-19 persons.

Mr. Srinivas Gowda R, Superintendent of Police, Hassan issued an appreciation certificate to fellow students and Dr. Geetha Kiran A for application development.
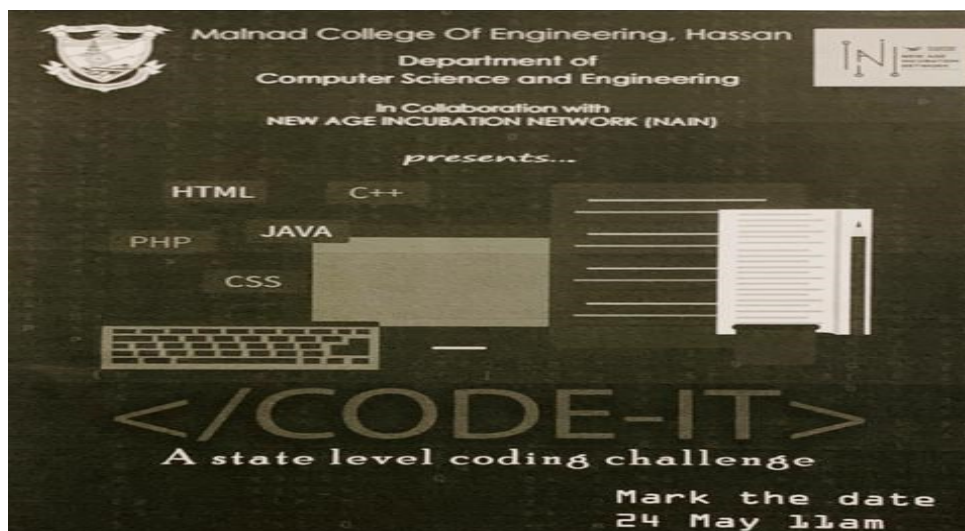
Mock Placement Event on 11st May 2020

During the COVID-19 pandemic, Department of Computer Science and Engineering organized the **"MOCK PLACEMENT"** test on **11st May 2020** for the students of MCE to create the awareness on placement activities and this event was conducted online and the winner of the competition was awarded with cash prize of worth RS. 5000/-. This event is coordinated by **Dr. Geetha Kiran A and Mr. B B Neelakantappa.**

A State level coding challenge "CODE-IT" Competition on 24th May 2020

Department of Computer Science and Engineering organized the state level coding competition **"CODE-IT"** on **24th May 2020** in collaboration with **New Age Incubation Network (NAIN)** and this event was coordinated by **Dr. Geetha Kiran A.** The winner of the competition was awarded with cash prize of **Rs. 5000/-.**

Ph.D. Awarded for Gururaj H L

The research scholar of Computer Science and Engineering research center **Gururaj H L** researched on the thesis **"QoS Aware TCP Congestion Control Variants for Processing Multimedia data in Mobile Ad-hoc Networks"** under the supervisor **Dr. Ramesh B, Professor, Department of Computer Science and Engineering, MCE, Hassan.**

AICTE MODROB grands sanctioned for Data Analytics Lab setup

The AICTE sanctioned funding of **Rs. 5,00,000/-** for the establishment of **"Data Analytics Lab"** under Modernization and Removal of Obsolescence (MODROB) scheme on 14th March 2020 and this project was coordinated by **Dr. Chandrika J, Professor, Department of Computer Science and Engineering, MCE, Hassan.**

Granted TEQIP Competitive Research Fund, VTU, Belagavi

The TEQIP Competitive Research fund of **Rs. 1,30,000/-** granted for the research work entitled **"Fruit Crop Yield Estimation Using Machine Vision Techniques"** by VTU, Belagavi in the year 2019-20 and this project was under taken by **Dr. Geetha Kiran A, Professor and Head, Department of Computer Science and Engineering, MCE, Hassan.**

KSCST Sponsored Project Approved

The KSCST Sponsored Project 2019-20 has been approved for the project entitled **"Swarm intelligence for effective energy management in MANET",** the team members are **Dhruva Sankalp H K, Harshith H M, Poorvith Gowda G D, Vikas H S** and this project was done under the guidance of **Dr. Ramesh B, Professor, Department of Computer Science and Engineering, MCE, Hassan.**

Faculty Publications

- Dr. Ramesh B, Mrs. Pushpalatha R, Thippeswamy, "Pre-eminent Strategy for Effective Utilization of Power in Data Center", International Journal of Recent Technology and Engineering (IJRTE), January 2020.

- Dr. Ramesh B, Mrs. Kavyasri M N, "Survey of access control techniques based on CP-ABE scheme to ensure secure access of multimedia data in cloud storage", International advanced research journal in science, Engineering and technology, January 2020.

- Dr. Chandrika J, Mrs. Sunitha R, "Evolutionary Computing Assisted Wireless Sensor Network Mining for QoS-Centric and Energy-Efficient Routing Protocol", International Journal of Recent Technology and Engineering (IJRTE), January 2020.

- Dr. Kavitha A S, "Identification of Scene Images using Convolutional Neural Networks- a survey", International Research Journal of Engineering and Technology, Feb 2020.

- Mrs. Shruthi T R, "Political Tendency Identification in Twitter Using Naive Bayes Classification", International journal of computer science and mobile computing, April 2020.

- Mrs. Kavyasri M N, "Ranking Websites in Search Engines Using Big Data Platform", International Journal of Innovative Research in Technology, April 2020.

- Dr. A Geetha Kiran, "Student Centric Pragmatic Approach to Impart Concepts of Python Applications Programming", Journal of Engineering Education Transformations, July 2020.