DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CS MAIL

NEWSLETTER VOLUME 10, ISSUE I, FEB 2022

Dear Readers,

It is with great pleasure that we bring you **Volume 10, Issue I** of our department newsletter **"CS MAIL"**. The current newsletter highlights the activities of the department, achievements of faculty and students during the past six months. It also features workshop organized and attended, paper publication details and other social activity undertaken from CS Department. Your valuable comments and suggestions are appreciated.

We wish all the readers an enjoyable reading.

VISION OF THE DEPARTMENT

To develop highly talented individuals in Computer Science and Engineering to deal with real world challenges in industry, education, research and society.

MISSION OF THE DEPARTMENT

- To inculcate professional behavior, Strong ethical values, innovative research capabilities and leadership abilities in the young minds & to provide a teaching environment that emphasizes depth, originality and critical thinking.
- Motivate students to put their thoughts and ideas adoptable by industry or to pursue higher studies leading to research.

PROGRAM EDUCATIONAL OBJECTIVES (PEO'S)

- Empower students with a strong basis in the mathematical, scientific and engineering fundamentals to solve computational problems and to prepare them for employment, higher learning and R&D.

- Gain technical knowledge, skills and awareness of current technologies of computer science engineering and to develop an ability to design and provide novel engineering solutions for software/hardware problems through entrepreneurial skills.
- Exposure to emerging technologies and work in teams on interdisciplinary projects with effective communication skills and leadership qualities.
- Ability to function ethically and responsibly in a rapidly changing environment by applying innovative ideas in the latest technology, to become effective professionals in Computer Science to bear a life-long career in related areas.

PROGRAM SPECIFIC OUTCOMES (PSO'S)

- Ability to apply skills in the field of algorithms ,databasedesign,webdesign,cloud computing and data analytics.
- Apply knowledge in the field of computer networks for building network and internet based applications.

Message From Principal

ATMECE has emerged as a prominent institute offering quality education. All round continuous changes in infrastructure and academics standard have helped us to build a brand name. It gives me immense pleasure to introduce the **Volume 10, IssueIOF THE HALF YEARLY NEWSLETTER "CS MAIL"** of Computer Science Department. I am pleased to know that the newsletter will showcase the activities and credentials of CS&E department. I hope this will become a platform for students and staff to exhibit their talents in science and technology. On behalf of management, I appreciate the newsletter committee for their efforts in bringing out this edition.

I wish the editorial all success!!!

Regards
Dr L Basavaraj
Principal,
ATMECE

Don't wait for opportunity create it

Message From Chief Editor

DrPuttegowda D
HoD, CS&E

Department of Computer Science & Engineering commits to work towards developing dedicated professional with a rich blend of competent, technical, managerial and social skills to contribute nation building. I am happy to inform that our department newsletter **"CS MAIL"**is being released in the month of Feb2022. The newsletter encourage departments technical activities and also motivate students to bring out their innovative ideas , hidden talents and also provide a common platform to share their knowledge, in turn gain technical knowledge.

I wish all the readers an enjoyable reading!!!

TOPPERS

3rd sem		
USN	STUDENT NAME	SGPA
4AD20CS034	LAKSHMI C	8.96
4AD20CS049	MUZAMMIL HUSAIN ABOOBAKAR SHANTAGERI	8.67
4AD20CS032	KAVANA K R	8.63

5th sem		
USN	STUDENT NAME	SGPA
4AD19CS007	ANIRUDH NITIN BAKARE	9.20
4AD19CS029	KISHORE K	9.20
4AD19CS003	AMOGH P	9.16

7th sem		
USN	STUDENT NAME	SGPA
4AD18CS072	SHASHANK K	9.35
4AD18CS061	RAKSHITHA R	8.95
4AD18CS053	PAVITHRA K	8.95

EDITORIAL TEAM

Chairman
Dr L Basavaraj
Prinicpal, ATMECE

Chief Editor
DrPuttegowda D
HOD, CS&E

Editor
Ms. Lavanya N
Assistant Professor,
CS& E.

Student Cordinators
Aman Kumar D
Kusmitha H D

A DREAM BECOMES A GOAL WHEN ACTION IS TAKEN TOWARD ITS ACHIEVEMENT

DEPARTMENT ACTIVITIES

"AWARENESS PROGRAM ON IMPORTANCE OF LATEST TECHNOLOGIES"

The department of Computer Science and Engineering, ATME College of Engineering, Mysore organized a awareness program on " Importance of Latest technologies" on 11ᵗʰAugust 2022. The Resource person this program **Mr. Asgar,**Academic Head, AUDAZ Ventures Private Limited , Delhi.

The resource person expressed that: There are many uses of technologies in our daily life. Now a day's people use technologies to do different kinds of tasks. This is very significant for young, older and anyone who is taking benefit for modern technology, and how it will affect on us, and how it can improve our lives or other people lives. However, what is essential about modern technology which makes a real diversity in our lives.

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8Q7C+QCR, Harohalli (J), Karnataka 570028, India
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Long 76.770722°
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"INDUSTRY VISIT"

The department of Computer science and Engineering, ATMECE arranged an industrial visit as a part of the co-curricular activity to **Bharat Earth Movers Limited (BEML)** on **December 17ᵗʰ 2021**. About 48 students from the department participated in the visit.

The industrial visit (exhibition) was organized on behalf of 75 years of India's Independence and to celebrate '**AzadiKaAmritMahotsav**'. The exhibition catalogues through a visual display highlighting BEML's growth over the years and its contribution in making an '**AtmaNirbhar Bharat**'. The exhibition was on '**BEML Journey since 1964**' where there was a showcase of 3 trucks and their new models like BH205E-Electric dump truck, BH 100-Dump truck, BG 6051-Motor grader WS28, WS70.

The visit had live demonstration of various dump trucks that were manufactured in the Mysuru plant, simulations of dump trucks, and a detailed demonstration of applications of AI and Computer Vision in the manufactured hi-tech dump trucks.

FACULTY PARTICIPATION

CONFERENCES/ JOURNALS

1. Naveen N. Malvade, Mahantesh C. Elemmi, Basavaraj S. Anami, **,″ Defective and non-defective classification of fabric images using shallow and deep networks″,** International Journal of Intelligent Systems,December 2021.

2. Lakshmi Durga,Deepu. R ,″**Ensemble Learning Based Analysis Correlating Graphology to Big Five Personality Model″,** International Journal of Engineering Trends and Technology,Jan 2022.

3. Dr. Naveen N. M,″ **Mobile Application Development using Flutter SDK: Development of a News Mobile Application using Flutter and NEWS API**″, Journal of Computer Science Engineering and Software Testing,Jan2022.

TECHNICAL ARTICLES

"Top 5 Trending Technologies to Master in 2022"

Technology is constantly updating at such a rapid pace that it seems it is might be faster than light! A technology or a programming language that is making the rounds this week may be obsolete by the next few days! As more and more funds are invested in research and development, computer scientists and professionals are constantly tweaking and improving existing technologies to get the most out of them. I have listed the top 5 trending technologies, which are expected to acquire a huge market in 2022.

1. Computer Vision / Natural Language Processing
2. Big Data

1) COMPUTER VISION / NATURAL LANGUAGE PROCESSING

While natural language processing isn't a new science, the technology is rapidly advancing thanks to an increased interest in human-to-machine communications, plus an availability of big data, powerful computing and enhanced algorithms. As a human, you may speak and write in English, Spanish or Chinese. But a computer's native language – known as machine code or machine language – is largely incomprehensible to most people. At your device's lowest levels, communication occurs not with words but through millions of zeros and ones that produce logical actions.

2) BIG DATA

Big Data is a collection of data that is huge in volume, yet growing exponentially with time. It is a data with so large size and complexity that none of traditional data management tools can store it or process it efficiently. Big data is also a data but with huge size. The statistic shows that 500+terabytes of new data get ingested into thedatabases of social media site Facebook**,** every day. This data is mainly generated in terms of photo and video uploads, message exchanges, putting comments etc.

By
Department of CS&E Faculties

THINK PEACE AND LIVE GREEN...

"MAKE EVERY DROP OF WATER COUNT"

Dear Readers,

Your advice or suggestions will be much appreciated and are most welcome!!!
Please mail your articles to **csdept@atme.in**

BE WILLING TO BE A BEGINNER EVERY SINGLE MORNING