



CS MAIL

NEWSLETTER VOLUME 7, ISSUE II, AUG 2019

Dear Readers,

It is with great pleasure that we bring you **Volume 7, Issue II** 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 ,database design,web design,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 7, Issue II OF 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



Dr Manjunath S S
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 Aug2019. 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

4 TH 'A'		
USN	STUDENT NAME	SGPA
4AD117CS024	FAIZA FIRDAUS	8.89
4AD17CS004	AHALYA P	8.56
4AD17CS046	MALAVIKA TM	8.30

4 TH 'B'		
USN	STUDENT NAME	SGPA
4AD17CS072	RAKSHITHA C M	8.44
4AD17CS079	SAHANAM S	8.37
4AD17CS057	NIKITHA S RAO	8.33

6 TH 'A'		
USN	STUDENT NAME	SGPA
4AD16CS035	MANASA M R	8.12
4AD15CS086	THEJA K	8.04
4AD16CS006	AMEENA KOUSAR	7.96

6 TH 'B'		
USN	STUDENT NAME	SGPA
4AD16CS072	SHAZIA BAIG	8.46
4AD16CS082	SUDHA M P	7.92
4AD16CS079	SMITHA M V	7.92

8 TH 'A'		
USN	STUDENT NAME	%
4AD15CS048	MOHAMED SALMAN SIDIQI	9.05
4AD15CS004	AISHWARYA P	8.95
4AD15CS017	D NIKITHA	8.90

8 TH 'B'		
USN	STUDENT NAME	%
4AD15CS077	SHILPA	8.70
4AD14CS054	SACHIN GOWDA S	8.65
4AD15CS070	RYAN SOORYA	8.55

EDITORIAL TEAM

Chairman
Dr L Basavaraj
Prinicpal, ATMECE

Chief Editor
Dr Manjunath S S
HOD, CS&E

Editor
Mrs. M S Sunitha Patel
Assistant Professor,
CS& E

Student Cordinators
Jeshmitha M P
Yashwanth P

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

DEPARTMENT ACTIVITIES

“INTRACOLLEGIATECODINGCOMPETITION“CODERELAY”

The Computer Science and Engineering Department under Computer Society of India Division -1 and Computer Society of India Student Branch had organized a **INTRACOLLEGIATECODINGCOMPETITION** called “**CodeRelay**” on **5th April 2019**, where many of the students from pre-final year and second year showed much of their interest in the event for the year 2018-19.



“WORKSHOP ON NETWORK SECURITY”

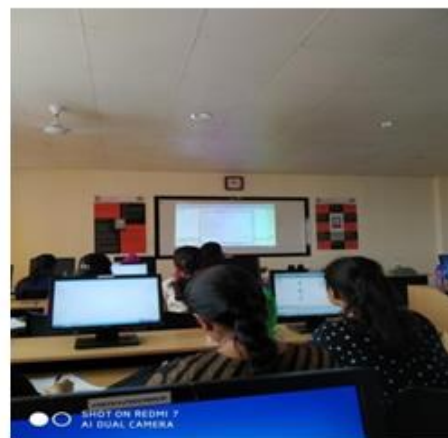
A one day workshop on Network Security Hands on Session was conducted in the Department of Computer Science and Engineering at ATME College of Engineering, Mysuru on 24th April 2019. The event was attended by 6th Semester students of the department and was conducted by Mr. Karthik from VSG Software solutions, Mysuru. The event was convened by Dr. Manjunath SS, Head Department of

CSE and coordinated by Mr. Mohanesh B and Mr. Shrinivasa G, Assistant Professor in the Department of CSE. As a part of this event fundamental concept of Network Security Hands on Session, the aim of the workshop is to understand how various attacks on software, system, and network work, what their fundamental causes are, how to defend against them, and how various defense mechanisms work.



“CISCO TRAINING”

Department of Computer Science and Engineering organized Internship training to 7sem students from July 10th to 26th 2019. Trained by Mr Anil Kumar B H, Mr Kiran B, Mrs Prakruthi S, Asst. Prof., Dept. of CSE. They trained and explained on network technologies. Explain how devices access local and remote network resources. Describe router hardware. Explain how switching operates in a small to medium-sized business network. Design an IP addressing scheme to provide network connectivity for a small to medium-sized business network. Configure initial settings on a network device. Implement basic network connectivity between devices and Configure monitoring tools available for small to medium-sized business networks. Packet Tracer exam, chapter exam and skill test was conducted.



FACULTY PARTICIPATION

WORKSHOP/FACULTY DEVELOPMENT PROGRAMME

1. Rajiv P, has participated in One day workshop on “**MOODLE, LMS**”, at K S School of Engineering, Bangalore on 15th March 2019.
2. Babu Kamrath K , has participated in One day workshop on “**MOODLE, LMS**”, at K S School of Engineering, Bangalore on 15th March 2019.
3. Sunitha Patel M S, has attended 5 days workshop on “**Applications of Data Mining and Deep Learning Techniques in Multidisciplinary Area**”, conducted by National Institute of Technology Karnataka, Surathkal Srinivasnagar, Mangalore from 24th to 28th June 2019.
4. Mrs. Sowmya S, Ms.Keerthana M M , Mr Raghuram A S, and Ms. Kavyashree E D, Participated in Internship Training on **CISCO** held at ATMECE, Mysuru from 10th – 26th July 2019
5. Mrs. M S Sunitha Patel , Participated One week training Programme for teachers on “ **Machine Learning and Deep Learning with Python Programming**” held at VTU-HRDC, Chikkaballapur from 22nd – 26th July 2019.
6. Faculties of Computer Science Department, attended “**One day Workshop on Linux**” through ICT at IIT Bombay held at ATMECE, Mysuru on 23rd Aug 2019.

SEMINARSTUDENTS PARTICIPATION

Sl. No.	Date	Workshops, Training Programs, Conferences, Competitions	Count of the students/ Names
1	March 2 nd and 3 rd 2019	Smart India Hackathon 2019 -Problem Statement: Golf Ball Tracking	6
2	26 th to 28 th March 2019	Participated in Poster Presentation - Digital India, Quiz, and Essay writing competition conducted by KSTA in ATMECE, Mysuru on 26 th to 28 th March 2019	7
3	March 2019	Published paper “ A Survey on Internet of Things: Architecture and Enabling Technologies ”, in JETIR , Volume 6, Issue 2,	Arpitha M D, Bindhya N, Reshma R, Impana Appaji,
4	23 rd April 2019	Presented a paper on “ Gesture Recognition Embedded ” in 3 rd National Conference on Engineering Innovations and Solutions (NCEIS – 2019) organized by GSSSIETW, Mysuru.	Ms. Jayashree M, Ms. Madhushree B R, Ms. Meghana P, Ms. Meghana M

5	23rd April 2019.	Presented a paper on " Voice Assisted Web Designed by Means of Deep Learning ", in third National Conference on Engineering Innovations and Solutions (NCEIS – 2019) organized by GSSSIETW, Mysuru	Sanjay S, Thanushree M, Varshitha A, Zoha Afreen, Sunitha Patel M S,
6	23rd April 2019.	Presented a paper on " IoT based Car Parking System ", in 3 rd National Conference on Engineering Innovations and Solutions (NCEIS – 2019) organized by GSSSIETW, Mysuru.	Aishwaraya P, Ananya H S, Keerthana S, Niranjana M G, Sunitha Patel M S,
7	23rd April 2019.	Presented a paper on " Frame based Image frames steganography ", attended Third national conference on Engineering Innovations and Solutions (NCEIS – 2019) organized by GSSSIETW mysuru	Shilpa ,Roopa Devi, Revathi K, Pooja H R,Sneha C R,Video
8.	June 2019	Published paper on " Android Based Sign Language Recognition and Translation ", in IJCERT	Nabeela Akram, Rajeshwari S, Rakshitha L, Trishul S, Sneha N P,

TECHNICAL ARTICLES

“TOP 10 TRENDING TECHNOLOGIES TO MASTER IN 2019”

Change is the only constant. This applies to your professional life as well. *Up-skilling yourself* is a need nowadays, the reason is pretty simple, technology is evolving very quickly. Here is the list of the top 10 trending technologies, which are expected to acquire a huge market in 2020.

1. DevOps
2. Internet of Things (IoT)
3. Intelligent Apps (I – Apps)
4. Big Data
5. RPA (Robotic Process Automation)

1) DEVOPS

DevOps Training – Explore the Curriculum to Master DevOps tools. This is the odd one out in the list. It is not a technology, but a methodology. DevOps is a methodology that ensures that both the development and operations go hand in hand. DevOps cycle is picturized as an infinite loop representing the integration of developers and operation teams by:

- automating infrastructure,
- workflows and
- continuously measuring application performance.



2) INTERNET OF THINGS (IOT)

- Another buzzword that no longer remains a buzzword but has become a full-fledged technology ecosystem in itself.
- IoT essentially is connecting many devices and creating a virtual network where everything works seamlessly via a single monitoring center of sorts.
- IoT is a giant network of connected devices – all of which gather and share data about how they are used and the environments in which they are operated.

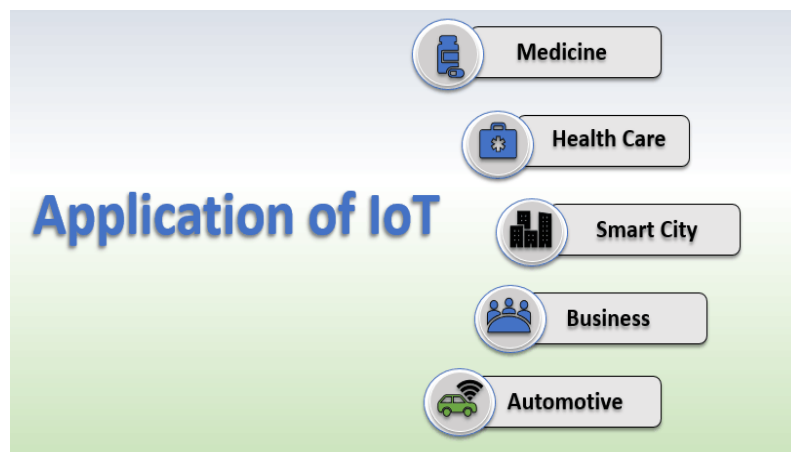
This includes everything from your:

- mobile phones,
- refrigerator,
- washing machines to almost everything that you can think of.

With IoT, we can have smart cities with optimized:

- traffic system,
- efficient waste management and
- energy use

So, start thinking of some new excuse for coming late to the office other than traffic.



3) INTELLIGENT APPS (I – APPS)

- I-Apps are pieces of software written for mobile devices based on artificial intelligence and machine learning technology, aimed at making everyday tasks easier.
- This involves tasks like organizing and prioritizing emails, scheduling meetings, logging interactions, content, etc. Some familiar examples of I-Apps are Chatbots and virtual assistants.

As these applications become more popular, they will come with the promise of jobs and fat paychecks.



4) BIG DATA

Big Data and Hadoop Training – Explore the Curriculum to Master Big Data and Hadoop. Big data refers to problems that are associated with processing and storing different types of data. Most of the companies today, rely on big data analytics to gain huge insight about their:

- customer,
- product research,
- marketing initiatives and many more.



5) RPA (ROBOTIC PROCESS AUTOMATION)

RPA Training – Explore the Curriculum to Master RPA.

- Generally, any desk job in any industry involves tasks that are repetitive in nature and can be automated.
- RPA or Robotic Process Automation allows you to automate such routine and repetitive tasks.
- You don't need to write any code to automate repetitive tasks.

In 2020, the trend of bots and machine learning is only going to skyrocket, which means RPA will become an invaluable skill to have.



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