

VISION :

To contribute competent computer science professionals to the global talent pool to meet the constantly evolving societal needs.



CSI BULLETIN

**MISSION :**

Mentoring students towards a successful professional career in a global environment through quality education and soft skills in order to meet the evolving societal needs.

Edition-5**ANNOUNCEMENTS**

It's that time of the year!
Yes you guessed it right.

WE ARE HIRING!

If you think you have what it takes then hurry and grab the opportunity to become a part of CSI family.

Before becoming a leader success is all about growing yourself. It's your opportunity to strengthen and enhance what you already have. The organizational skills you'll learn being in the team will lead you far in life.

Interested candidates can register, apply in whichever portfolio they are interested and appear for the interview.

ADIEU! CSI ANNUAL DAY-2019

Written by: Areeba Mohiuddin Cse(2/4)

Date: 1st April



"Moments where you feel sad and excited are quite rare." One such moment the CSI team experienced was on the Annual day of the CSE department where the new execom team was announced and the previous execom was bid adieu. The event was hosted by Juveria Khatoon who at the end was declared as the new Chief Coordinator (CC) of CSI for the year 2009-20 along with Sufyan Jawad. **The previous year's CCs and the other execom members shared their experience and gave us a sneakpeek into what it looked to be a part of CSI and to work with such an amazing team.** The team was bid farewell with mementos and certificates for their contribution towards making CSI stand out this academic year.

Certificates were presented to the students who contributed towards various technical events like boot camps and hackathons, cash prizes were given for paper presentation, project displays and best organization in Adsophos(2018-19) along with this, consolation prizes for project displays and medals were given for student winners of sports day by the faculty members of the CSE department. The audience's mood was on the perfect note when the celebrations started with scrumptious briyani and kheer and ended well too **when the faculty coordinator Mr. Zainuddin Naveed spoke on the dias appreciating the execom of 2018-19 for their hard work and efforts and motivated the upcoming execom and explained them their responsibilities towards CSI.**

Lastly, a photo session took place wherein the last year's execom posed with the new execom and congratulated them with their warm words. There have been many times when

all the members of CSI came together and made some amazing memories and this one event got added to the list too where all of us laughed, cried and lastly, we all looked forward to the future with all the lessons learnt.

Fresh starts and new beginnings! -Induction program 2019

Written by: Rafath Unnisa Cse(3/4)

Date: 18th August

"Induction program is essential for any student's successful transition to the college. It is their opportunity to become more familiar with the new college environment, meet faculty, and learn about involvement opportunities that will enhance their college experience." Also to inculcate the ethos of the institution with a sense of larger purpose. MJCET organized a 2 week induction program for freshers this year on 1st August 2019. Like every year it was a fantastic affair planned by the staff and students, a successful joint effort. All the new graduates were welcomed by the faculty and the seniors from all the students bodies of Mjcet. The students were addressed by the senior faculty members and speeches were delivered. Programs were designed to help the entrants establish positive acquaintance with their peers, faculties, and institute as whole.

On the first day, the Student chapters of each department volunteered for the orientation day program. **With a fresh exposure of the induction programme, the students were exposed to the**



milieu of the institution with zeal and enthusiasm.

The classrooms, labs, library, the masjid, canteens were shown. The interaction with the induction programme equipped entrants not only with the boost to their educational pursuits but also with the work-culture, industrial exposure, social experiences, and various institutional activities.

On the other days, each student body was assigned to give presentations regarding the social issues, each on one day.

The governing council of csi gave a presentation on 'Proper use of Internet'. In this presentation we explained the students that how being useful in everyday's life, Internet holds the power of destroying us too at the same time. The other social topics like perseverance, hardwork and success, tackling peer pressure, make a difference; were presented by the other student bodies of Mjcet on their respective scheduled days.

The program ended with the commencement day which was held on 13rd August. Our Guests had wonderful words and citations to give the extra boost to the new entrants. They also motivated the new entrants to explore the opportunities which they get in the college life. The Guest with their words of wisdom, asked the students to urge themselves a little more than the usual to come out as complete winners.

Quantum Intelligence- A Leap into the future

Written by: Syed Sohaib udin
Cse(3/4)

Date: 31st August

Planet Earth is a home to millions of life forms, but dominated by a single species- Human beings. The balance of nature is no longer decided by equity. The rules are set by what we think is appropriate. This is the new and modern story of the world we seek to desire. **Our ability of being rational has created a cushion which has foregone every limit. Intelligence has embarked us on a voyage of dominance.** Since the Greeks chiseled the very first human alphabet, we have always tried to depict our findings in the form of art, numbers and texts. Work of great scholars and researchers paved to us the accolade of modern era. **Today, we stand at a junction where the future seems to be an unbounded inflection.**

Today's technology is about perfecting what has already been coined. The future is about creating the unseen and unknown. A major part of this lies in giving the things around us the ability to think. The term Artificial



responsibility of creating a brain for anything and everything possible. Although this discipline is for a majority still under research, concepts like self-driving cars, virtual assistants and Sophia promise the vast scope it perceives. Artificial intelligence is by the order of 95% an implementation through Machine learning.

The idea of using quantum bits against the generic Boolean logic, which physically does not even exist, has been analyzed closely. The possibilities of using Q bits to design machines seems very likely. This step would leave the entire previous technology on the verge of total revolutionization.

study of Quantum Intelligent Machines has come to the forefront.

Quantum Intelligence is a culmination of Artificial Intelligence, Machine Learning and Quantum Computing.

The outcomes of using this futuristic technology would involve creating intelligent species at the embodiment of efficiency. The Q bit state would provide an unparalleled operability from the current systems. Processing the current computational algorithms and complex model training would be possible at every instance of evaluation. This stratum would create both next generation hardware and software technologies based on quantum laws.

Envisaging the future as a function of this technology in the shoes of a 3rd year Computer Science Student seems a daunting task. But I feel that, 'It is never a wrong time to do a right thing'. Working hard tirelessly would bring honor and justice to ourselves, our country, technology and the future of human race.

Blockchain Technology

Written by: Areeba Mohiuddin Cse(2/4)

Date: 21st July



Ever wondered if there's an easier way to complete transactions without having to deal with online wallets, banks and third party applications? Well it's possible, thanks to Blockchain.

Blockchain is a technology that allows individuals and companies to make instantaneous transactions on a network without any middlemen (like banks).

Transactions made on blockchain are completely secure, and, by function of blockchain technology, are kept as a record of what happened. Strong computer codes ensure that no record of a transaction on blockchain can be altered after the fact. Funnily enough, you can explain a blockchain as literally a chain of blocks. Those blocks represent data, held all together in a specific order.

You can also imagine it as a ledger because that's essentially how most blockchains function. **Each block of data represents some new transaction on the ledger, whether that means a contract or a sale or whatever else you'd use a ledger for. A blockchain is a record of transactions. Using blockchain, companies (or people) can both make and verify these transactions.** Transactions on a blockchain get processed and verified much more quickly than the alternative systems. The reason why block chain is much faster than the alternative is because it's decentralized. Blockchain operates with no central authority.

This is the kicker. **Blockchain lets people or companies add and verify their transactions without a single governing body making sure everything is okay.** Using blockchain can potentially speed up transactions while cutting costs associated with third-party banks and lowering the risk of fraud. That means more speed, affordability, and security for everyone.

Tech Talk

Written by: Mohd.Saadullah Mech(2/4)

Date: 20th August



This academic year, Computer Society of India-MJCET witnessed a head start with the perfect launch of "Tech Talk". The first episode of this was held on 9th August at 2:00 pm in CSE lab 4. This two-hour seminar with 3 speakers, indeed, broadened the participant's perspectives.

Our esteemed speakers with industrial and field experience, including the former web-master of CSI, Arish, helped attendees to know what's trending in the market. The participants got benefitted from this by knowing what and why about the most useful programming languages C, C++, Java and also Web Development. This was devised to adjust the fine line between the programming languages in course and its application in Job field.

As it is said, **when skills and knowledge are shared, we grow together and the collective output may soar over time.**

The positive response from the participants made us sure of their curiosity to attend next session of this series. After all, this proved itself as the perfect platform to learn about trending technologies and market trends directly from the people of same industry.

47 years and counting, the world is still powered by C Programming

Written by: Mohammed Abdul Mannan Cse(3/4)

Date: 11th August



C is the mother of all languages, most programming languages nowadays are built around C, even the base of Linux, more specifically the Unix OS, is centered on C. This translated means that because I'm a computer science student, now focusing on Artificial Intelligence, I have to learn C right from the start. Without a choice, I saw myself learning this strange and

Imagine that you wake up one day and go shopping. The alarm clock that wakes you up is likely programmed in C. Then you use your microwave or coffee maker to make your breakfast. They are also embedded systems and therefore are probably programmed in C. You turn on your TV or radio while you eat your breakfast. Those are also embedded systems, powered by C. When you open your curtains with the remote control you are also using an embedded system that is most likely programmed in C. You open your laptop to check your mails you get a Windows logo that too is coded in C.

Then you get into your car. If it has the following features, also programmed in C: **Automatic transmission, tire pressure detection systems, sensors, memory for seats and mirror settings, dashboard display, anti-lock brakes, automatic stability control, cruise control, child-proof locks, airbag control.**

You get to the store, park your car and go to a vending machine to get a soda. What language did they use to program this vending machine? Probably C. Then you buy something at the store. The cash register is also programmed in C. And when you pay with your credit card? You guessed it: the credit card reader is, again, likely programmed in C.

From movie making to storing of data in databases all are the wonders possible because of C language.

The Illuminati doesn't run the world. C programmers do.

The fact that many programming languages today are better than C for their intended use doesn't mean that they beat C in all areas. C is still unsurpassed when performance is the priority.

The Techno Buzz- AI

Written by: Mohammed Abdul Aziz Eie(2/4)

Date: 24th August

Artificial Intelligence, also called Computational Intelligence is the intelligence portrayed by the machine by its ability to learn and solve problems, and perform other activities traditionally done by humans.

THE VERGE stated that, a report by experts from Harvard, MIT, Stanford and non-profit OpenAI and many more; found that investment and work in AI accelerated at an unprecedented rate. There is a high concentration of this especially in Europe, Asia with China, Japan and South Korea taking the lead.

The Forbes say, today **AI is most important because its usage is expected to become a vehicle for improving human lifestyle round the globe.** AI will become

Computing, which is area of study focused on developing technology on the principles of Quantum Theory. Some of the powerful examples of AI application are as follows:



Siri, Alexa, Tesla, Amazon, Netflix.

They try to determine our movie tastes by the movies we watch and give us recommendations.

All the above mentioned companies have successfully used AI.

Now, we shall consider the case of Sophia, the new AI wonder.

The existence of Sophia, today is undisputedly the most advanced form of AI. Rolled out by Hanson Electronics, Sophia was given the gift of legal personhood by Kingdom of Saudi Arabia. She's a kind of social robot which is expected to be a good fit to serve in health care, customer service, therapy and education. **So, finally AI if combined with Quantum Computing, will take the world by storm, changing human lifestyle in every respect.**

Seasoning up the controversy: IOS vs Android

Written by: Mohd. Saadullah Mech(2/4)

Date: 20th August

Among the many other ongoing wrangles, this one has been up for more than 10 years. **As it is said that controversy is often a Euphemism for interesting and intelligent, I thought to add my spice to battle of Operating Systems - IOS vs. Android.**

Rather than stating the main stream points or mentioning the similarities that doesn't matter in a debate, I would like to jump on the key differences. Apple's IOS are often preferred for their security, self reliance and most importantly, its eco-system. Although, it has an ever-growing, sprawling ecosystem of software and services, Apple takes its advantage to hike prices across the board. And ofcourse customers are so tied to their ecosystem that it's hard for them to stop investing in it. So basically, Apple targets the creamy layer of the market.

On the other hand, Android is preferred as it gives complete control to the user (Open Platform), multi-tasking and easy to handle and most importantly its availability in wider price range. Although, **Android provides a completely customizable and user friendly platform, it compromises with security. Its association with many rising**



ware firms helps it develop faster and makes it the most preferred Operating System. Basically, it follows penetration pricing.

At last, it's ones personal preference that drives them to either of these operating systems. One must choose wisely and as per requirement to keep going with the technological advancements.

It's not that Easy!

Written by: Rafath Unnisa Cse(3/4)

Date: 18th August

With a bleeding arm ,a dislocated knee and the teary eyes he lays his head on the side of the tent and thinks to himself "**I'm happy that I was of some use to the country.**" The war just ended and the soldier who isn't sure if he will live to see another day just feels proud that he had some contribution in saving his people's life. We often fail in truly recognizing the sacrifice a soldier makes for us. Does he, while joining military, makes up his mind that he has to die someday at the border?

A soldier's life is not easy. From struggling with the burner for cooking food to sleeping on the ground he does it all joyfully.



Giving up on his career ambitions, he joins the army. He satisfies himself with the appreciation he gets after every successful mission.

Ask a soldier the true value of family and friends and you will get the most accurate answer.

Mom's love, dad's care, wife's affection;while we take these things for granted, a soldier seldom gets to experience all of them.

Why can't this world be a peaceful place? Why is there the need of a military force at all? It's not that we're trying to save the country from the beasts or the disasters that require defence force,it's the humans we're talking about, who are living across the border. The families of these soldiers always have to keep themselves prepared for anything that can happen at the border. Eyes filled with tears, stomachs filled with anxiety, they wait for the most dreaded news every-time there's news about war on the T.V set. **Can we take a moment and imagine how it feels? Waiting for the news of your loved one being dead?**

They lay their lives down with all their might just to see the nation's flag wave and fly high. With a proud glint to their eyes they look at it, for it's easy to claim that you love your nation but sacrificing life for it? No, only they can do it!

A Homeless Thief

Written by: Shaik Shoaib Akhter Cse(2/4)

Date: 5th August

*I walk in the dark night
when the moon shines bright
searching for something
whats it ,not even I know
I travel to find answers
to what that's a question too
And when the moon comes down
I see the rising sun
laugh thinking it as a big red bun
why do you think I do so?
its because of the hunger through which I go
the black dark night is not just black
It's cold and makes my feet crack
a day on the street the other under a tree
thinking actually iam free
I too seek for a house to live
also the power to give
Oh but the possibility for that is none
as I'm a homeless thief on run*



HEY MR.STARK!

What is it kid?

What do Viruses, Trojans, and Other Malware Actually Do?

Viruses, for example, are programs that copy themselves and infect a computer, spreading from one to another—just like, well, a real life virus. Trojans, on the other hand, are applications that look normal, but secretly have code that's doing something else—like letting someone else control your computer.

Should anyone be wary of using public Wi-Fi?

Connecting to free Wi-Fi networks may be convenient, but it comes with a couple of risks. Because they're not as secure, tech-savvy crooks can use the connection to see what you're doing. Yes, that can happen even if the Wi-Fi connection is protected by a password.

Okay Mr.Stark ,last one. How did Dr.Strange see 14 billion futures?

Was he a doctor? Anyway back to the school kid!



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