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CAMPUS-ANVESHAN

**College of
Engineering,
Technology & Research**



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Principal's Desk

SRMSCET&R is one of the paramount Institutions in India to offer Engineering Education with 'hands on experience'. We pay much attention in all-round development of the young engineering aspirants starting from 'Education' and diversified into 'Co-curricular and Extra-curricular activities'.

The College boasts professionalism personified by way of world class campus amenities, sustain quality education for the students to enhance their employability quotient. The holistic approach of the institute stimulates a paradigm shift towards 'Global education', innovation among students by inspiring fresh perceptiveness, creative thinking and firm conviction to achieve true success. With an aim to build youth for the future the college aims to nurture budding talents in the field of engineering and technology as per industry needs. The college with novel programs relentlessly tries to transform students' potentials into rewarding careers resulting in national progress.

Dr. L. S. Maurya
Principal



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SHRI RAM MURTI SMARAK COLLEGE OF ENGINEERING, TECHNOLOGY & RESEARCH

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HAPPENING AT THE COLLEGE

Farewell 2023

The farewell bash for **B.Tech** students of **Batch 2019** of **SRMS College of Engineering, Technology & Research (CET&R)** was organized on May 16, 2023 was an absolute blast! The air was filled with a mix of excitement and nostalgia as the **Department of Computer Science and Engineering** bid adieu to them for their incredible college journey.

The event kicked off with a burst of energy amidst beautifully decorated venue, pulsating with music. The atmosphere was electric, and the excitement was palpable. It was a perfect blend of celebration and emotions that would stay etched in hearts of outgoing batch. The inauguration ceremony began with welcoming of **Trust Secretary, Shri Aditya Murti** in the presence of **Trust Advisor, Er. Subhash Mehra; Principal CET&R, Dr. L S Maurya; DSW CET&R, Er. Ankit Khandelwal**, HODs, faculties, staff members and students.



During his inspirational address, Shri Aditya Murti enlightened & blessed the students for their bright future. The highlight was the surprise video montage that showcased journey & memories from wide-eyed freshmen to confident graduates, which left everyone awestruck. To celebrate the bond with their seniors, students of Batch 2020 performed a thrilling group dance on peppy tracks, followed by fun-filled games, singing, dancing etc.



The celebration concluded with recognizing the efforts and guidance of faculty members. Various tags and gifts were given to seniors, who walked out at the end with mixed emotions. Later on, everyone thronged the dance floor and danced their heart-out with sheer joy.

HAPPENING AT THE COLLEGE



Techvyom

SRMS ENGINEERING COLLEGE HOSTS 'TECHVYOM'23' TO UNLOCK INNOVATION & POTENTIAL OF TECH-ENTHUSIASTS

With an aim to bring together tech enthusiasts, **SRMS CET, Bareilly** in association with **Tyro Club** organized its **Annual Technical Fest 'TECHVYOM 2023'** on May 13, 2023 following the theme 'Igniting the Technology by Unlocking Innovation', which remained a cynosure of all eyes. **SRMSCET&R** students also participated in various events organised in Techvyom and also win Prizes and Certificates which brings Self Confidence and Motivation among students. The winners received Trophies and Certificates by **Shri Dev Murti**, Chairman **SRMS Trust**.



HAPPENING AT THE COLLEGE

Chairman's Dinner

For outgoing batch of 2018 a pleasant dinner with Chairman Sir was organised on May 20,2023. This marked the perfect ending of their farewell from the college and gave them an outlook on their future endeavors. As always, Chairman Sir guided the students and gave the best life advice to them. Students were overwhelmed with the enlightening conversations that occurred during the dinner party. Students enjoyed the event and the environment. Everyone was excited and were also emotional as it was the last function of college in their college life.



SUCCESS

Success is the goal of everyone's life. No one can achieve success in life without hard work. Everyone in this world has some dream or goal, to achieve which he works sincerely. It is a good thing to dream about some goal in life and achieving that goal is our success.

We should work hard and use our time properly to make our life's dream come true. Success comes only to those who sincerely work hard for their success.

People should use their time properly and work hard and work accordingly to make their dreams come true. Failure is also a part of success. We don't need to be disappointed by our failure, rather we need to learn from our failure. Where we have made mistakes. We need to identify them and correct them.

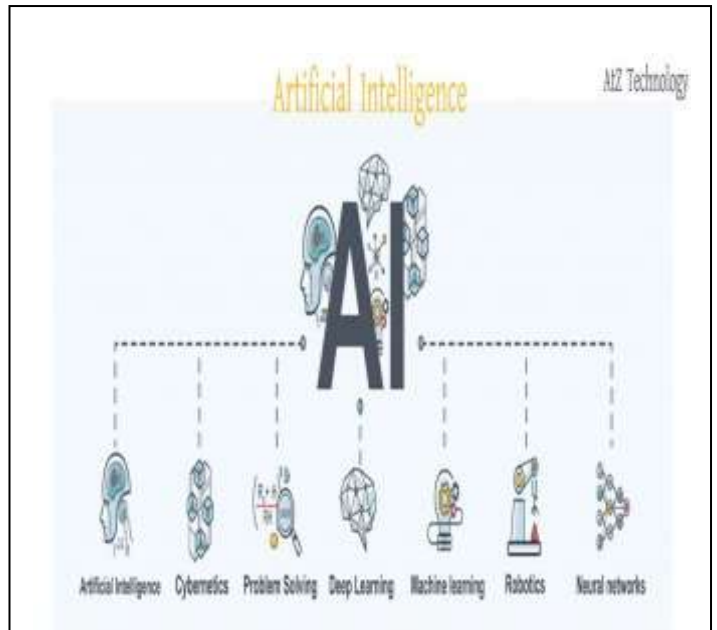
A successful person is the one who uses his time properly to achieve his goal. Achieving success requires a lot of hard work, dedication, motivation etc. Success comes only to those who pursue their goal with their determination.

It can never be taken advantage of by those people who only dream of being successful in their goal and do nothing to achieve it.

Compiled By:
Nidhi Gangwar
B.Tech (First Year) CS

Artificial Intelligence and Machine Learning (AI & ML)

AI is as of now altogether affecting the way clients are associated with businesses by means of shrewd websites and bots, and these instruments are getting to be progressively commoditized and coordinated into everyday work, the report noted.



Artificial Intelligence

What is Artificial Intelligence (AI)

The impacts into industries—from retail to healthcare, neighborliness to finance—are felt when AI strides information security, decision-making speed and exactness, and worker yield and preparing Community bad habit chairs and head of development and instruction for Smith.

Fake intelligence has had an incredible effect among the best innovative improvements and for very a long time, as well.

Not surprisingly, it has moreover found a put within the estimates of the 2020 technology.

AI applies to computer frameworks that are modified to imitate human insights and perform assignments such as picture acknowledgement, discourse or designs, and choice making.

AI can perform these assignments more rapidly and precisely than a human.

Machine learning (ML) is a process of analyzing data which is building an automatic model.

It is the inner part of artificial intelligence from which the system can understand patterns, data, human intention, making decisions and predictions to make decisions without taking any help from other programmers.

Compiled By:
Muskan Kumari
B.Tech (First Year) CS

DO YOU KNOW??

1. Which possibility automatically communicates with other vehicles?

- a) Transportation and logistics
- b) Energy and utilities
- c) Automotive
- d) Connected supply chain

Answer: c

2. _____ makes it possible for two or more activities to execute in parallel on a single processor.

- a) Multithreading
- b) Threading
- c) SingleThreading
- d) Both Multithreading and SingleThreading

Answer: a

3. In _____ an object of type Thread in the namespace System.Threading represents and controls one thread.

- a) .PY
- b) .SAP
- c) .NET
- d) .EXE

Answer: c

4. The method will be executed once the thread's _____ method is called.

- a) EventBegin
- b) EventStart
- c) Begin
- d) Start

Answer: d

5. Command to make thread sleep?

- a) Thread.Sleep
- b) Thread_Sleep
- c) ThreadSleep
- d) Thread_sleep

Answer: a

6. An instance of class Buffer provides a threadsafe way of communication between _____

- a) Actors
- b) Objects
- c) Locking
- d) Buffer

Answer: a

7. _____ method puts zero into the buffer.

- a) HandlePut(object o)
- b) HandletGet(object o)
- c) HandletGet()
- d) HandletPut()

Answer: a

8. HandlePut(object o) performs what?

- a) Fixing values
- b) Locking
- c) Changing values
- d) Unlocking

Answer: b

9. In HandlePut(object o), o represents?

- a) Null
- b) Zero
- c) Empty
- d) Origin

Answer: a

10. What is the result for HandleGet()?

- a) Null
- b) Zero
- c) Empty
- d) Origin

Answer: a

AI-Generated Ads: Google



“GOOGLE HAS SPENT the past few weeks promoting generative AI tools that can summarize search results for users, help them draft essays, and swap out overcast skies for sunshine in otherwise perfect family photos. Today it’s showing off what similar tools could do for its core business—selling ads.

New generative AI systems for advertising clients will compose text on the fly to play off what a person is searching for, and they’ll whip up product images to save them time and money on design work. The features add to the swelling ranks of AI-based text and image generators that have been introduced to online services over the past few months, since the abilities of ChatGPT and its image counterpart DALL-E inspired global excitement about generative AI.

As the world’s top seller of online ads by revenue, Google has been using AI programs for years to help clients target users, as well as helping them design ads, like by automatically editing the size of images. Now, with more powerful AI models capable of tasks like generating photo-realistic images, it hopes to show that its ad business, which accounts for 80 percent of its total sales, can be more compelling to advertisers too.

The recent onslaught of AI-related announcements by Google has rallied shares of its parent company, Alphabet, suggesting that fears have diminished about the advent of ChatGPT-style web search crippling Google’s search and ad businesses.

Google is offering the new features to advertisers for free, but they could increase its revenue if AI-generated text and images encourage businesses to place more ads, or can draw more clicks from consumers. Google’s dominant role in online ad sales means the industry could be one of the first to broadly incorporate generative AI into their workflows. “We’re able to deliver more relevant, beautiful ads to users, offer more creative freedom for advertisers, and deliver better performance,” says Jerry Dischler, the vice president overseeing Google Ads. He declined to discuss specific financial prospects for generative AI in ads.

One of Google’s new features out now adapts the text of English-language search ads based on what a person typed into the company’s search box and Google’s data on the advertiser. Previously, each time a person searched, algorithms would have to select text to display from a collection an advertiser had manually written in advance.”

Compiled By:
Ms. Neha Sharma
Assistant Professor

Blockchain in Agriculture

What is Blockchain Technology?

Databases are currently using ICT (information and communication technology) to track data and manage information flow. The use of blockchain technology to power these databases is a novel concept. They distribute privileges to all network members rather than having a single server and administrator. Multiple parties can then access and validate new database additions, increasing security and lowering the risk of corruption.

How Blockchain Technology Can Revolutionise the Agriculture Sector?

Blockchain is a technology that can bring breakthroughs in the Agri sector with its potential. By allowing information to be traced across the agricultural supply chain, blockchain agriculture enhances food safety. The ability of blockchain to

store and manage data allows for traceability, which is used to aid in the development and implementation of intelligent farming and index-based crop insurance systems.

Uses of Blockchain Technologies in Agriculture

Blockchain technologies can track all types of information about plants, such as seed quality, and crop growth, and even generate a record of the journey of the plant after it leaves the farm. This data can improve supply chain transparency and eliminate concerns associated with illegal and unethical operations. In the case of a recall, they can also make it easier to track any contamination or other issues back to their source. The primary goals of these technologies are sustainability and food security. When consumers have this amount of transparency, they can make informed purchasing decisions. They frequently utilise this information to reward farmers and producers that implement good farming methods.

Barriers to Using Blockchain Technologies

Concerns have been raised that blockchain technology could be misapplied or misused, putting food security at risk. For example, privately held blockchains are easier to hack and less secure. Because these blockchains are based on private organisation norms, it's easy to see how the wrong people could take advantage of them. Small-scale farmers, on the other hand, who lack the necessary size, technological know-how, and scalability to take advantage of blockchain technology, may be left behind.

Many issues must be resolved before blockchain technology can be completely incorporated into agriculture.

First, blockchain implementation must be decentralised to accommodate small farmers and rural dwellers. Otherwise, food security will remain a problem. Implementation must enable sustainable and equitable food systems, allowing consumers to make better decisions.

Those who lack the digital literacy required to engage in blockchain technology must be educated. This is part of the system's decentralisation process. Because of aged infrastructure and a lack of digital literacy, the world's poor may be unable to participate.

Why can blockchain technology be the game-changer for boosting farming in India?

While the food goes through many different players on its journey from the farm to the food plate, there is a strong urge by consumers today to know what they are eating. Also, as supply chains have become longer, any user becomes more concerned about the origin and journey of the product.

Blockchain is the only way that traceability can be brought reliably to farm produce with the distributed market architecture.

IoT devices and sensors are being introduced by agritech companies, and blockchain technology can be used to consolidate data on a variety of topics, including seed quality, crop tracking, and the path of crops from the farm to the market.

Apart from increasing transparency in the food supply chain, blockchain technology can also improve security by prohibiting unethical crop production and distribution, which endangers farmers' livelihoods.

Consumers will be able to make more educated decisions thanks to blockchain's data collection, and they may even be able to help small-scale farmers who are often in need of food and financial security.

Before the data can be preserved, it must first be formatted and made comprehensible. Blockchain technology makes it easier to add meta information to data and structure. It can be saved after that, making compliance enforcement easier. Data compliance ensures that the information gathered is kept safe and secured.

Compiled By:
Ms. Monica Mitra
Assistant Professor

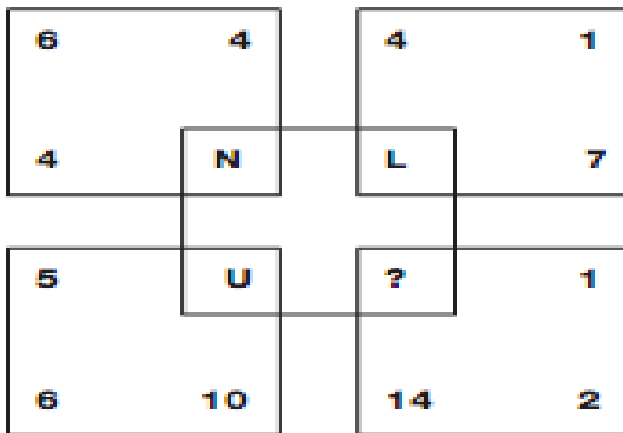
HEALTH TIPS

- *Try to avoid junk food as much as possible and try to junk on nature's given fast foods like nuts and fruits.*
- *Make time for watching movies and listening songs.*
- *Drink plenty of water. Avoid cold drinks.*
- *Don't burden yourself with unrealistic expectations.*
- *Play sports almost daily if possible.*
- *Go for refreshing evening walks.*
- *Plan some exciting field trips.*

LOGIC PUZZLE

PUZZLE:

Which letter replaces the question mark?



Answer:

Q




Explanation:

Adding the three numbers in each square together gives the numerical value of the letter at the centre of each square.

CONGRATULATIONS

SHRI RAM MURTI SMARAK COLLEGE OF ENGG., TECH. & RESEARCH,
BAREILLY
STUDENTS PLACED IN VARIOUS COMPANIES
B.Tech CS BRANCH 2019-2023 BATCH

Name	Company	Package
	MOHD. AKRAM YAR KHAN	COFORGE LIMITED 4.25 LPA
	ALSHIFA ADIL	COFORGE LIMITED 4.25 LPA
	PALAK AGARWAL	COFORGE LIMITED 4.25 LPA
	RAJNANDINI	COFORGE LIMITED 4.25 LPA
	SIMRAN VERMA	COFORGE LIMITED 4.25 LPA

	TANISHA SAXENA	WE ENABLE – A FUJITSU	5 LPA
	SARTHAK KHANDELWAL	HEXAWARE TECHNOLOGIES	6 LPA
	JASLEEN SINGH	TCS	7 LPA
	VANSH SAXENA	TCS	7 LPA

“Life is like riding a bicycle. To keep your balance you must keep moving.”

—Albert Einstein