SRMS

EDITORIAL BOARD

E- NEWSLETTER

Inside This Issue:

Principal's Desk

SRMS College of Engineering Technology & Research is engaged in imparting quality technical education and providing support to technical education and research activities. SRMS College of Engineering Technology & Research is committed to enhance capabilities and potential of our human resources with the objective of transforming them into leaders in their chosen area of interest. Our vision is to provide excellent technical education to the students, be globally competitive, so that our students can continuously contribute to a global and rapid technological revolution. The College encourages and coaches students to become innovative and critical thinkers who produce quality work. We support students in gaining academic skills, content knowledge, healthy habits and sound decision making. In the process of learning, we encourage students to think about various points of view and perspectives.

We groom the students to develop the skills, capacity, and creativity to lead productive lives and positively contribute to the community and the world in which they live. We work with all our students to help them develop the right attitude that will facilitate them in taking leadership and finding productive solutions to the challenges.

Dr. L. S. Maurya

Principal

From the Desk of Head, Dept. of Basic Sciences

To impart an education & create trained professionals is a novel task. But at the same time, to ensure holistic development of an individual is quite difficult. Another tedious task is to ensure the right understanding in our youth. Today, we live in an era where number of platforms are available with an individual to acquire knowledge and to upgrade their skills. With the increase in the number of such platforms for getting knowledge, prima facie it seems that everything is going in smooth manner. But our youth are gradually shifted from their holistic development and shrunken up to a specialized skill only.

Today Engineering Education becomes multifaced and number of new areas are being added in it. With this scope of creation & innovation is also increased. Technological upgradation helps us to motivate about to know 'how the things work?' and moreover about to design and develop the new ideas. One can lead with the skills like planning, organizing and executing the things with proper guidance (direction), coordination & cooperation.

It's important for every individual to understand the importance of setting goals in our life and achieving the same. Once the motivating parameter settled in the mind set of an individual then nobody can stop them. Self-confidence and self-realization are the two important key factors play a significant role while accomplishing the intended task.

I am sure that one who will self assess the level of their knowledge, skill and have an ability to convert things on ground would be able to make positive change in their life.

Er. K. K. Agarwal
Head, Dept. of Basic Sciences

HAPPENING AT THE COLLEGE

Teacher's Day Celebration

It was an auspicious day for students, to celebrate Teachers' Day which marks the birth of the great Teacher **Dr. Sarvepalli Radhakrishnan** . "Teacher" is defined as a Motivational candle of student's life.

By this view we the Department of Basic Sciences and Department of Computer Science & Engineering , organized a Teacher's Day Celebration on **5th September, 2022 (Monday)** at CS Seminar Hall of **SRMS CET&R**. Teacher's day celebration began at 3:50 P.M., as the students presented gifts, as a token of respect .

Dr. L.S. Maurya, Principal SRMS CET&R, Er. K.K. Agarwal, Head of Basic Sciences and **Er. Manvi Mishra, Head of Computer Science & Engineering** and all Faculty members and Students participated in the Celebration of Teachers' Day. **Dr. L.S. Maurya, Principal SRMS CET&R** also graced the event by visiting the Department and shared his views and motivated students in building their career.

Hence, program was successful and entertaining, in disciplined manner.

Tablet Distribution in SRMS CET&R

Tablet Distribution was done on **10th September,2022 (Saturday)** at **10:30 A.M.** among the **58 students** of **B.Tech 2018 Batch of Computer Science & Engineering Branch** and **4 students of Electronics & Communication Engineering Branch** by **Dr. L.S. Maurya, Principal SRMS CET&R, Dr. Prabhakar Gupta, Dean SRMS CET** and **Dr. Naseem Akhtar, Director SRMS College of Law.**
At the end of Program, a Group Photograph of all the present students was taken.
During Program, **Dr. Rintu Chaturvedi, Principal SRMS College of Nursing**, Heads of all Departments, Faculty members & staff were remaining present. **Er. K.K. Agarwal**, **Ms. Ruchie Sah**, **Ms. Indu Bisht**, **Mohd. Haneef** & **Mr. Laxmi Narayan** gave great contribution in the arrangements of Program.

HAPPENING AT THE COLLEGE

Engineer's Day Celebration

On **15th September, 2022 (Thursday)**, 55th Engineer's Day was celebrated in Shri Ram Murti Centennial Auditorium jointly organised by **Shri Ram Murti Smarak College of Engineering Technology & Research** and **Shri Ram Murti Smarak College of Engineering & Technology**. The event started with the welcoming of our Chief Guest **Mr. Ramit Sharma (IPS), IG** of **Bareilly** branch. Then following the tradition of our college Saraswati Vandana and lamp lighting ceremony was done by **Honourable Chairman, SRMS Trust Shri Dev Murti ,Trust Secretary Shri Aditya Murti**, Principal SRMS CET&R, Dr. **L.S. Maurya** and **Dean Academics SRMSCET, Dr. Prabhakar Gupta**.

The event was proceeded smoothly with the speech of our Chief Guest and inspiring words of Chairman Sir . The Best Engineer's Award from our college was given to **Mr. Arun Sharma (B. Tech CSE, Batch-19)**.

HAPPENING AT THE COLLEGE

After that momento was given to **Mr. Ramit Sharma , IG Bareilly** as a token of gratitude.The event ended with the vote of thanks given by **Principal SRMS CET&R, Dr. L.S. Maurya**.

AKTU Zonals Sports Fest 2022

The Zonal Sports Fest for the year 2022 was organised by **Dr. A.P.J. Abdul Kalam Technical University, Lucknow** in **M.I.T Moradabad** on **14th** and **15th September, 2022**.Students were enthusiastic for all the events in the fest and participated in them with excitement. Students from all years and Departments took part in various sports events with full zinc and zeal. Their spirit and performance in the respective games at Zonal Sports Fest was worth appreciable. They all were deeply inspired from within to play the competitive yet refreshing sports to relive the sportsmen spirit.A series of sports events took place in these two days which included sports like Athletics, Kabaddi, Chess, Shotput etc.

The winners of various events held at **AKTU ZONAL SPORTS FEST 2022** were:

1) **Nikita Gangwar(2021)** won **GOLD Medal** in 200 mtr. Athletics.
2) **Rishabh Pal(2019)** won **SILVER Medal** in 100 mtr. Athletics.

3) **Archana Mishra(2020)** won **SILVER Medal** in Long Jump.

4) **Charu Jethwani(2020)** and **Priyanshi Agarwal (2021)** won **SILVER Medal** in Chess.

5) **Archana Mishra(2020)**, **Vinita Joshi(2020)**, **Divya Singh(2020)** and **Harshita Singh(2021)** won **SILVER Medal** in 4*100 mtr. Relay Athletics.

6) **Divyansh Saxena(2019)**, **Avneesh Kumar(2019)**, **Abhishek Mishra(2020)**, **Rahul Chaurasiya(2020)**, **Vishal Singh(2020)**, **Aman Verma(2020)**, **Amil Khan(2020)**, **Paramveer Singh(2020)**, **Udit Saxena(2020)**, **Aditya Pradhan(2020)**, **Ayush Mishra(2020)** and **Anuj(2021)** won **SILVER Medal** in Kabaddi

7) **Mohd. Sartaj Raza(2020)** won **BRONZE Medal** in Shotput.

The two days event concluded with the prize and certificates distribution ceremony to all the winners within the college premises.

HAPPENING AT THE COLLEGE

Vishwakarma Pooja Celebration in SRMS CET&R Campus

On **17ᵗʰ** September, 2022 (**Saturday**) the occasion of **Vishwakarma Pooja** was celebrated in **Shri Ram Murti Smarak College of Engineering Technology & Research , Bareilly**. The event started in the presence of the **Principal of SRMS CET&R Dr. L.S. Maurya**. It was proceeded smoothly with the Hawan and Arti of **Lord Viswakarma ji**. During the event the students and Faculty members of **SRMS CET&R** along with students of **SRMS Law** and their Faculty members received the blessings of **Lord Vishwakarma**. The event ended with the sweet distribution and charnamrit.

How can Technology motivate students?

USING TECHNOLOGY CAN CHANGE YOUR CLASSROOM FOR THE BETTER

Kids love technology. It is like a kind of a magic pencil. If teachers give them the opportunity to learn using technology, then their motivation increases, allowing a better retention of knowledge.

Recent research shows that the majority of the learning process occurs outside the classroom. The main reason why this happens is because of the interaction. People learn through action, instead of learning passively. So, why not just bring that "outside" into the classroom?

Technology may be able to help teachers achieve that. In fact, some research indicates that technology can improve both the teaching and learning aspects of education. It also encourages active engagement and interactivity that students are so accustomed to outside of class, and miss when having to pay attention to lesson materials. Interactivity makes it easy for students to revisit specific parts of the subjects, to explore them more fully, to test ideas, and to receive feedback.

One of the most important goals of teachers is to develop the creative thinking of students and prepare them for the life ahead, equipped with a mindset that allows them to overtake problems and challenges with innovative and creative solutions. Having this in mind, it's very important to keep the students' motivation high so that they can assimilate all the knowledge teachers transmit.

These days, technology brings innovative learning methods and educational tools, including computers, interactive apps and games, virtual lectures, tablets videos or slideshows. Let's use these resources.

There are several ways to increase student's motivation using technology, such as:

Videos – Educational videos can be used to boost student's motivation. This new approach has a great impact because most of the students are visual learners.

Leveraging YouTube videos while explaining some subject is a more effective method of teaching than only explaining and describing things. Teachers can search educational videos online or create their own – there are many options readily available.

Independent Research – Students should be encouraged to take responsibility of maximizing their own learning potential. When they do independent research on a topic they feel smarter and more motivated and that allows a better retention of knowledge.

Intelligent use of Podcasts – Teachers can use podcasts in place of some of their reading material to break up some of the monotony. Break up repetitious reading assignments by mixing in a few podcasts; this will keep more students awake and it will increase their participation.

Classroom Gaming – There are many educational games that allow students to apply what was learned in the classroom. In fact, video games are no longer seen as something bad for the students but one of the best ways of using technology in the classroom. Using educational games makes students eager for learning and they get motivated by challenging each other.

It is important to integrate technology in the classroom because it has become so integral to the world outsite of the classroom and students are more tech-savvy than ever before. Having technology in the classroom is not a replacement for a good teacher. However, when we combine a great teacher with a constructive classroom technology usage the results are an even-better education.

This approach has not yet become the norm around the globe due to infrastructure limitations.

At Critical Links, we are working to make this change happen!

STUDENT CORNER

The micro-cloud approach brings together these critical technologies in virtually any classroom, anywhere in the world, regardless of networking and infrastructure challenges. With the micro-cloud, there's no reason not to leverage technology for better results, and a better future.

Compiled By:
Aman Khan
B.Tech (Second Year) CS

The Snowboard was invented by an Engineer

The snowboard has become a wonder of geometry, chemistry, and biomechanics. Due to its design, it allows the athlete to make precise turns with less exertion.

Running Shoes are Designed by Engineers

Engineers determine how much force travels from the pavement through the shoe to the foot. Through their calculations and design, weight is dispersed through the entire foot, allowing better performance and comfort.

Thank an Engineer for that fun Water Slide

A water slide uses a pump to circulate the correct amount of water to go down the slide. There is no ride without the right amount of water. The slide is also designed to handle the weight of people and water combined.

The Launch and Return of Spacecraft is an Engineering Victory

The Space program has changed the world. It would not be possible without the progress by engineers in materials, structures, computers and energy.

The Ferris Wheel is One of the Greatest Engineering Wonders

The very first Ferris Wheel was created by Pittsburgh, Pennsylvania engineer, George W. Ferris, in 1893.

The 140-foot steel towers and 45 foot axle was the largest piece of constructed steel at the time.

Engineers make Interactive Television possible

You can thank an engineer for your choice of over 500 channels, great sound quality and gaming systems. This technology is an example of advancements in engineering.

Engineers play an Instrumental Role in Theme Parks

Engineers are involved in designing, building, lighting, and even crowd control at theme parks all over the world.

Companies use Engineers to form Virtual Reality and Simulation

This technology is what is allowing the proliferation of virtual offices, computer simulation and 3-D projects.

Bioengineers create new and exciting Medical Technology

Engineers calculate and design technology that allows the use of virtual reality to aid surgeons in many procedures, such as reconstruction of facial birth defects.

Engineers and Animators Work Together on your favorite Movies

Computer engineers work alongside animators to create special effects in the movie industry. This "morphing" technology allows digital images to look real.

Compiled By:
Abhishek
B.Tech (Second Year) CS

Depression

Depression is a common illness worldwide, with an estimated 3.8% of the population affected, including 5.0% among adults and 5.7% among adults older than 60 years (1). Approximately 280 million people in the world have depression (1). Depression is different from usual mood fluctuations and short-lived emotional responses to challenges in everyday life. Especially when recurrent and with moderate or severe intensity, depression may become a serious health condition. It can cause the affected person to suffer greatly and function poorly at work, at school and in the family. At its worst, depression can lead to suicide. Over 700 000 people die due to suicide every year. Suicide is the fourth leading cause of death in 15-29-year-olds.

Although there are known, effective treatments for mental disorders, more than 75% of people in low- and middle-income countries receive no treatment (2). Barriers to effective care include a lack of resources, lack of trained health-care providers and social stigma associated with mental disorders. In countries of all income levels, people who experience depression are often not correctly diagnosed, and others who do not have the disorder are too often misdiagnosed and prescribed antidepressants.

Symptoms and patterns

During a depressive episode, the person experiences depressed mood (feeling sad, irritable, empty) or a loss of pleasure or interest in activities, for most of the day, nearly every day, for at least two weeks.

Several other symptoms are also present, which may include poor concentration, feelings of excessive guilt or low self-worth, hopelessness about the future, thoughts about dying or suicide, disrupted sleep, changes in appetite or weight, and feeling especially tired or low in energy.

In some cultural contexts, some people may express their mood changes more readily in the form of bodily symptoms (e.g. pain, fatigue, weakness). Yet, these physical symptoms are not due to another medical condition.

During a depressive episode, the person experiences significant difficulty in personal, family, social, educational, occupational, and/or other important areas of functioning.

A depressive episode can be categorised as mild, moderate, or severe depending on the number and severity of symptoms, as well as the impact on the individual's functioning.

There are different patterns of mood disorders including:

- single episode depressive disorder, meaning the person's first and only episode);

- recurrent depressive disorder, meaning the person has a history of at least two depressive episodes; and

- bipolar disorder, meaning that depressive episodes alternate with periods of manic symptoms, which include euphoria or irritability, increased activity or energy, and other symptoms such as increased talkativeness, racing thoughts, increased self-esteem, decreased need for sleep, distractibility, and impulsive reckless behaviour.

Compiled By:
Ms. Neha Sharma(U)
Assistant Professor

Dark Web

Dark Web Internet की दुनिया का एक ऐसा समुद्र जिसकी घराई नापना मुसकिल ही नहीं ना मुमकिन भी है। हम Internet पर जो देखते हैं या सर्च करते हैं ये इस समुद्र की एक बूंद बराबर ही है। एक पोस्ट मैने पहले लिखी थी जिसमे मैने Dark Web के बारे में बताया है। Dark Web क्या है? कौन इसको इस्तेमाल कर सकता है? Dark Web पर सारे ऐसे काम होते हैं जो प्रतिबंधित हैं।

Dark Web kyaa Hai How To Inter In Dark Web ?

संक्षिप्त में आपको बताता हूं Dark Web Internet की ऐसी दुनिया है जिसको सरकारी दस्तावेज और इंनफॉर्मेशन को हैकरो और आतंकवादियो से छुपा कर रखने या गुप्त रखने के लिए बनाया गया था। पर ये भी गुप्त नही रह सकी एक आम आदमी Dark Web इस्तेमाल नहीं कर सकता। इसके लिए स्पेशल ब्राउजर और एक vpn की जरूरत होती है Dark Web Ki Sites के URL भी सामान्य websites से अलग होते हैं। Dark Web से दूर रहना ही अच्छा है। कुछ ऐसी website जिसकी कल्पना करना भी मुस्किल है। जिनमे से कुछ बंद करवा दी गई पर सभी websites को बंद कर पाना मुस्किल है। तो चलते है Dark Web की कुछ अनसुनी अनदेखी Websites के बारे में जानते हैं

Violent Desire

website पर crimnals और हत्या करने वाले अपने कारनामों के बारे में एक दूसरे से बात करते है।इन लोगो ने हत्या किस तरह की और किस तरह लास को ठिकाने लगाया। यानी सारे आपत्ति जनक कार्य कैसे करते हैं।Violent Desire website को 2011 में बंद करवा दिया गया था।

Silk Road And Onion Identity Services

ये एक शॉपिंग साइट की तरह वर्क करती थी और साथ ही अगर आपको कोई भी नकली ID जैसे पासपोर्ट बनवाना है वो भी आसानी से बन जाता था।और यहां हर तरह की बंदूक और पिस्टल भी online बेची जाती थी। 2016 में silk road का फाउंडर Ross Ulbright को सेंटफ्रासिस्को की लाइब्रेरी में पकड़ा गया। इसके बाद Silk Road को बंद कर दिया गया

Pink Meth

Pink Meth website पहले surface पर थी जिसको हम आसानी से सर्च कर सकते थे। लेकिन इस पर जो जगन्ह अपराध होते थे उसकी वजह से इसको surface web पर बंद कर दिया गया था। इसके कुछ दिनों बाद ये वेबसाइट Dark Web पर अपना काम करने लगी।

Compiled By:
Umesh Kumar
Lab Instructor

Inspirational Quotes

1. "When you have a dream, you've got to grab it and never let go."
— **Carol Burnett**

2. "Nothing is impossible. The word itself says 'I'm possible!'"
— **Audrey Hepburn**

3. "There is nothing impossible to they who will try."
— **Alexander the Great**

4. "The bad news is time flies. The good news is you're the pilot."
— **Michael Altshuler**

5. "Life has got all those twists and turns. You've got to hold on tight and off you go."
— **Nicole Kidman**

Compiled By:
Sachin Verma
Lab Instructor

HEALTH TIPS

- **Get more physical activity**
- **Follow a healthy diet**
- **Minimize phone use and screen time**
- **Practice self-care**
- **Reduce your caffeine intake**
- **Spend time with friends and family**
- **Take a yoga class**
- **Spend time in nature**

AYURVED

आयुर्वेद में भोजन के लिए चार प्रकार की शुद्धियाँ

हमारा भोजन हमारे शरीर को स्वस्थ तथा मन को पवित्र बनाए, उसके लिए आयुर्वेद के विद्वान चार प्रकार की शुद्धियों की चर्चा करते हैं। ये हैं—क्षेत्रशुद्धि, द्रव्यशुद्धि, कालशुद्धि, भावशुद्धि। भोजन बनाते या करते समय क्षेत्र या स्थान की शुद्धि पर हमें विशेष ध्यान रखना चाहिए। चौके में अनधिकृत, असाध्य रोगी, गंदा—न नहाया व्यक्ति प्रवेश न करने पाए। अनीति, अनाचार, अधर्म के साधनों के धन से बनाया भोजन हमारे तन तथा मन को प्रभावित करता है। द्रव्यशुद्धि यानी पवित्र साधनों से, स्रोतों से आया भोजन। कालशुद्धि का अर्थ है समय पर भोजन। भूख लगने पर तथा नियमित समय से भोजन ही स्वास्थ्य के लिए उत्तम है। सूर्योदय के बाद भोजन, सूर्यास्त के पूर्व भोजन ही श्रेष्ठ है। भोजन पर भावनाओं का बड़ा प्रभाव पड़ता है। क्रोध, ईर्ष्या, उत्तेजना, चिंता, तनाव, भय की मनःस्थिति में बनाया गया भोजन शरीर में दूषित रसायन पैदा करता है। रोगी बनाता है।

बड़े कुशल वैज्ञानिक रहे हैं हमारे ऋषि।

अखंड ज्योति मई २०१०

MOTIVATIONAL STORY

सरदार वल्लभ भाई पटेल

एक ग्रामीण बालक के बड़ा फोड़ा निकला। उन दिनों देहातों में डॉक्टरी इलाज का चलन न हुआ करता था। मामूली जानकार लोग ही इलाज कर लेते थे। फोड़ों का इलाज लोहे की गरम सलाख दाग कर किया जाता था। बालक के इस फोड़े का इलाज भी देहाती वैद्य ने लोहे की सलाख से जलाना ही बताया।

सलाख आग से लाल हो गई, पर दागते वक्त देहाती वैद्य रुक गया कि बालक बहुत छोटा है, दागने से कुछ बुरी बात न हो जाए। वैद्य असमंजस में ही था कि बालक ने वैद्य को कहा—"लोहा ठंढा हुआ जा रहा है— आपको डर लगता हो तो मुझे आज्ञा दो, मैं अपने आप अपना फोड़ा जला लूँगा!" देखने वाले दंग रह गए। बालक का फोड़ा कई जगह से जलाया गया, पर उसके चेहरे पर शिकन तक न आई। यह बालक आगे चलकर देश का प्रमुख नेता हुआ, कांग्रेस का प्रधान और भारत का गृहमंत्री भी। इसका नाम था—सरदार वल्लभभाई पटेल।

अखंड ज्योति जनवरी २००५

SEQUENCE PUZZLE

The below is a number puzzle. It should be read left to right, top to bottom.
Question 1: What is the next two rows of numbers?
Question 2: How was this reached?

```
      1
     1 1
     2 1
    1 2 1 1
  1 1 1 2 2 1
  ? ? ? ? ? ?
? ? ? ? ? ? ? ?
```

Answer:

The secret is to say what you see on each line and what you see becomes the next line.

Line 1 is "Two ones" (2 1)
Line 2 then becomes "One two, and one one" (1 2 1 1)
Line 3 therefore is "One one, one two and two ones" (1 1 1 2 2 1)
Line 4 is "Three ones, two twos and one one" (3 1 2 2 1 1)
Line 5 is "One three, one one, two twos and two ones" (1 3 1 1 2 2 2 1)

DO YOU KNOW

1. Kotlin was developed by?
A. IBM
B. NetBeans
C. JetBrains
D. Oracle
Ans : C

2. Kotlin is a statically-typed programming language which runs on the?
A. JCM
B. JVM
C. JPM
D. JDM
Ans : B

3. Kotlin is interoperable with Java because it uses JVM bytecode.
A. Yes
B. No
C. Can be yes or no
D. Can not say
Ans : A

4. How can you declare a variable in Kotlin?
A. value my_var: Char
B. value Char : my_var
C. my_var: Char
D. value my_var: Char
Ans : D

5. How many types of constructors available in Kotlin?
A. 1
B. 2
C. 3
D. 4
Ans : B

6. Is there any Ternary Conditional Operator in Kotlin like in Java?
A. TRUE
B. FALSE
C. Can be true or false
D. Can not say
Ans : B

7. What is the syntax for declaring a variable as volatile in Kotlin?
A. var x: Long? = null
B. Volatile var x: Long?
C. Volatile var x
D. Volatile var x: Long? = null
Ans : D

8. Elvis Operator is used for handling null expectations in Kotlin.
A. TRUE
B. FALSE
C. Can be true or false
D. Can not say
Ans : A

9. _____ helps to iterate through a range.
A. And operator
B. Ranges operator
C. Or operator
D. Conditional operator
Ans : B

10. All classes in Kotlin classes are by default?
A. public
B. sealed
C. abstract
D. final
Ans : D

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
ABHISHEK MISHRA	GO DIGIT GENERAL INSUARANCE	4.5 LPA
HARSH MISHRA	GO DIGIT GENERAL INSUARANCE	4.5 LPA
KAJAL	GO DIGIT GENERAL INSUARANCE	4.5 LPA
MUKESH KUMAR SINGH	GO DIGIT GENERAL INSUARANCE	4.5 LPA