

# SKCT DIGEST

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**KNOWLEDGE**

**UPDATE**



**IT Department** - Mr. Dinesh Kumar an alumnus of 2015 batch who is currently pursuing M.S(Data science) in Australia interacted with Second year IT Students about how to crack the entrance test in higher studies.

**Civil Department** - A guest lecture on "Building operations and maintenance" was conducted for II Year and III Year B.E.Civil Engineering Students to gain knowledge on 'Building services planning and management' course. The Guest was Er. R.Ramesh Kumar, Ramasamy Associates, Coimbatore.



**IT Department** - A session on "Cloud Sim Package" was delivered to SIG Cloud Computing Students to get ideas about projects in it by Ms. S. Reshma Sultana AP/IT.



# MEETINGS & DISCUSSIONS

**ECE Department-** The HoD conducted faculty meeting to discuss the minutes of Principal's meeting with the HoDs.



**Civil Department -** The HoD convened a Department Faculty meeting to convey the Minutes of HoDs meeting.

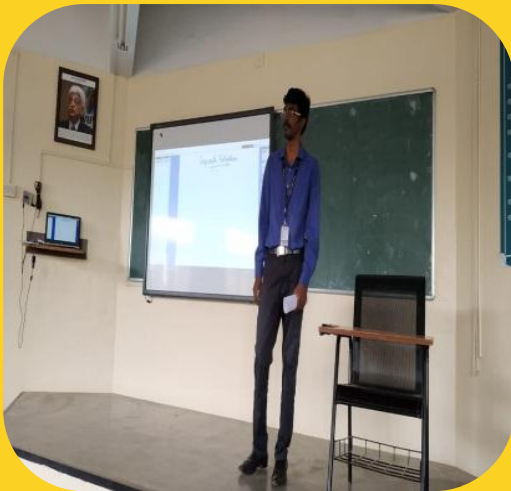
**EEE Department -** Mr. Karun Raj, IV EEE student addressed the III EEE students on time management and preparations for placement.



# ACTIVITIES



**CSE Department-** Mobile APP Development Club conducted an activity for the students.



**SoM** - A snap talk by Ms.Lavanya.R & Mr.Sathiya Piryan. K of II MBA on the Marico & Artificial Intelligence in Banking Company during Corporate valuation class.



The Students across all departments have completed their test for the In-Tech Olympiad & AMCAT test.



## NATIONAL NEWS:

- Court nod sought for bike-sharing in Tamil Nadu-*The Hindu*
- Review Jadhav sentence, grant consular access, ICJ tells Pak.-*The Hindu*
- Karnataka's rebel MLA's need not attend House: SC-*The Hindu*
- Bill to revamp medical education cleared-*The Hindu*
- Normal rainfall measure may be lowered-*The Hindu*
- Toda embroidery duplicates threaten local artisans livelihoods-*The Hindu*
- Six teams from Bannari Amman Institute of Technology sweeps hackathon-*The Hindu*
- Infrastructure at book fair to be better than others-*The Hindu*
- Ban MNC products packaged in plastics-*The Hindu*
- Corporation prevaricates RTI activist's attempt to get information on construction of a building-*The Hindu*
- Coimbatore to host pride festival after a decade-*The Hindu*
- HC slams UGC for failing to keep tab on universities-*The Hindu*
- State govt. announces Smart Classroom initiatives for AdiDravidar schools-*The Hindu*
- NIA sends seized electronic gadgets to C-DAC for data retrieval-*The Hindu*
- Multi-core projects for government hospitals-*The Hindu*
- Ready for special Assembly session on NEET, says CM-*The Hindu*
- Two electric buses to ply on Chennai roads soon-*The Hindu*
- Moon mission awaits new date with destiny-*The Hindu*
- TTD to scrap classifications in VIP darshan system-*The Hindu*
- Team from Kreaala college finds Iron Age tools-*The Hindu*
- Mumbai building crash toll rises to 13-*The Hindu*
- Dam Safety Bill gets nod from CCEA-*The Hindu*
- Congress divided over Karnataka order-*The Hindu*
- India, China maintaining peace on border: Rajnath-*The Hindu*
- AIIMS, JIPMER will also come under NEET-*The Hindu*
- Government encouraging encroachments in munnar: HC-*The New Indian Express*
- Be ready for a tour on INS Vikramaditya-*The New Indian Express*
- India to get S-400 missiles by April 2023-*The New Indian Express*

## INTERNATIONAL NEWS :

- U.S. House condemns Trump's racist tweets on lawmakers-*The Hindu*
- Taliban shuts 42 health clinics in Afghan province-*The Hindu*
- U.S. mulls raising merit-based immigration to 57% -*The Hindu*
- U.S. bans Myanmar military leaders over Rohingya abuses-*The Hindu*
- Netanyahu set to become Israel's longest-serving PM-*The Hindu*

## BUSINESS :

- RBI reserves: panel for transfer in tranches-*The Hindu*
- Cabinet okays amendments to bankruptcy code-*The Hindu*
- Wipro profit rises 12.6% to Rs. 2,388 crore-*The Hindu*
- Yes bank Q1 profit plunges 91% on MTM losses-*The Hindu*
- Ebix acquires Yatra Online in a Rs. 2,300 crore transaction-*The Hindu*

## SPORTS NEWS :

- India gets relatively easy draw-*The Hindu*
- Ewan on top in a frenetic finish-*The Hindu*
- Koepka punts on inside knowledge to land him another Major-*The Hindu*
- Anas and Hima run to gold; silver for Nirmal and Vismaya in a weak field-*The Hindu*
- Round-robin format will help: Titans coach-*The Hindu*
- Rithvik and Divya triumph-*The Hindu*
- Deepika Kumar bags silver-*The Hindu*

# INTERESTING ENGINEERING

## *Predicting preemies*

*A simple blood test can predict if a pregnant woman is at risk of giving birth prematurely.*

Our genetic material lives mostly inside our cells. But small amounts of “cell-free” DNA and RNA also float in our blood, often released by dying cells. In pregnant women, that cell-free material is an alphabet soup of nucleic acids from the fetus, the placenta, and the mother.

Stephen Quake, a bioengineer at Stanford, has found a way to use that to tackle one of medicine’s most intractable problems: the roughly one in 10 babies born prematurely.

Free-floating DNA and RNA can yield information that previously required invasive ways of grabbing cells, such as taking a biopsy of a tumor or puncturing a pregnant woman’s belly to perform an amniocentesis. What’s changed is that it’s now easier to detect and sequence the small amounts of cell-free genetic material in the blood. In the last few years researchers have begun developing blood tests for cancer (by spotting the telltale DNA from tumor cells) and for prenatal screening of conditions like Down syndrome.

The tests for these conditions rely on looking for genetic mutations in the DNA. RNA, on the other hand, is the molecule that regulates gene expression—how much of a protein is produced from a gene. By sequencing the free-floating RNA in the mother’s blood, Quake can spot fluctuations in the expression of seven genes that he singles out as associated with preterm birth. That lets him identify women likely to deliver too early. Once alerted, doctors can take measures to stave off an early birth and give the child a better chance of survival.



## WHAT HAPPENED TODAY

1936 - Spanish Civil War

1936 : The Spanish Civil War starts as a revolt by right wing Spanish military officers in Morocco which spreads to mainland Spain.

2009 : The crew of the space shuttle Endeavour reached the International Space Station on this day.

2006 : This day marks the final withdraw of Japanese troops from Iraq.

2008 - Nepal No President Elected

2008 : After deliberation, Nepal’s assembly was unable to elect a president on this day. This particular election was important because it came only months after the country abolished its monarchy.



# HEALTH TIPS

## Know the health benefits of Caffeine therapy

Whenever we go for a treatment, we look at the things that we get from nature and have no side effect. Otherwise, they can cause lot of health problem. One of these is Caffeine Therapy (Caffeine therapy) which we are going to tell you. Many people use it. So we're also going to tell you how it affects the body.

### Caffeine Therapy

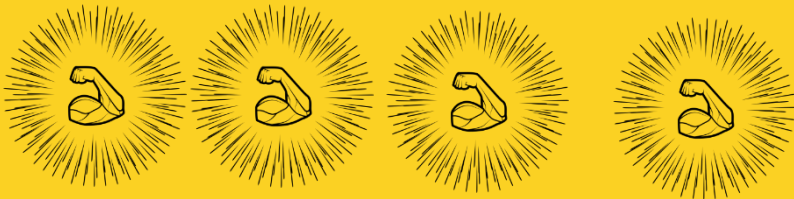
Caffeine is the most commonly used food product in the world. Naturally, it can be obtained from more than sixty types of plants. It is also a natural painkiller. Caffeine also relieves mental peace and depression to a great extent.

### This Is How Caffeine Therapy Effects

It also affects the digestive process of the body. Caffeine therapy in a certain amount of caffeine is given to the patient as per rules. Thereby it stimulates his nervous system. this makes the patient feel more energetic and better than before.

### Limited use

Despite all the benefits, doctors recommend that caffeine should be consumed in limited quantities. Otherwise, it may cause harm. This can increase the amount of acid in the stomach. This also increases the risk of heartburns and hypertension. Caffeine intake immediately after eating food reduces nutrients.

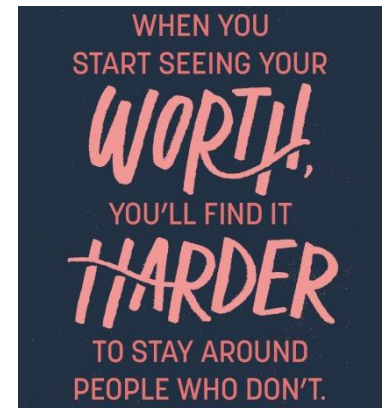


## MOTIVATIONAL ZONE

**DID YOU  
KNOW???**



It's been estimated that there are more stars in the Universe than there are grains of sand on earth, but there are more atoms in one grain of sand than there are stars in the Universe.



## AWARENESS CORNER

### Global Risk

1/4th of Global TB population in India



An untreated person with ACTIVE TB infects 10-15 people a year through close contact



Get Tested Contact Me



### SYMPTOMS



### Who all should get checked??



Treatments are available and need to be completed.

Drug resistance is a growing problem mostly due to incomplete treatment



## The Diary of a Young Girl

### Anne Frank

Discovered in the attic in which she spent the last years of her life, Anne Frank's remarkable diary has become a world classic—a powerful reminder of the horrors of war and an eloquent testament to the human spirit.

In 1942, with the Nazis occupying Holland, a thirteen-year-old Jewish girl and her family fled their home in Amsterdam and went into hiding. For the next two years, until their whereabouts were betrayed to the Gestapo, the Franks and another family lived cloistered in the “Secret Annexe” of an old office building. Cut off from the outside world, they faced hunger, boredom, the constant cruelties of living in confined quarters, and the ever-present threat of discovery and death. In her diary Anne Frank recorded vivid impressions of her experiences during this period. By turns thoughtful, moving, and surprisingly humorous, her account offers a fascinating commentary on human courage and frailty and a compelling self-portrait of a sensitive and spirited young woman whose promise was tragically cut short.