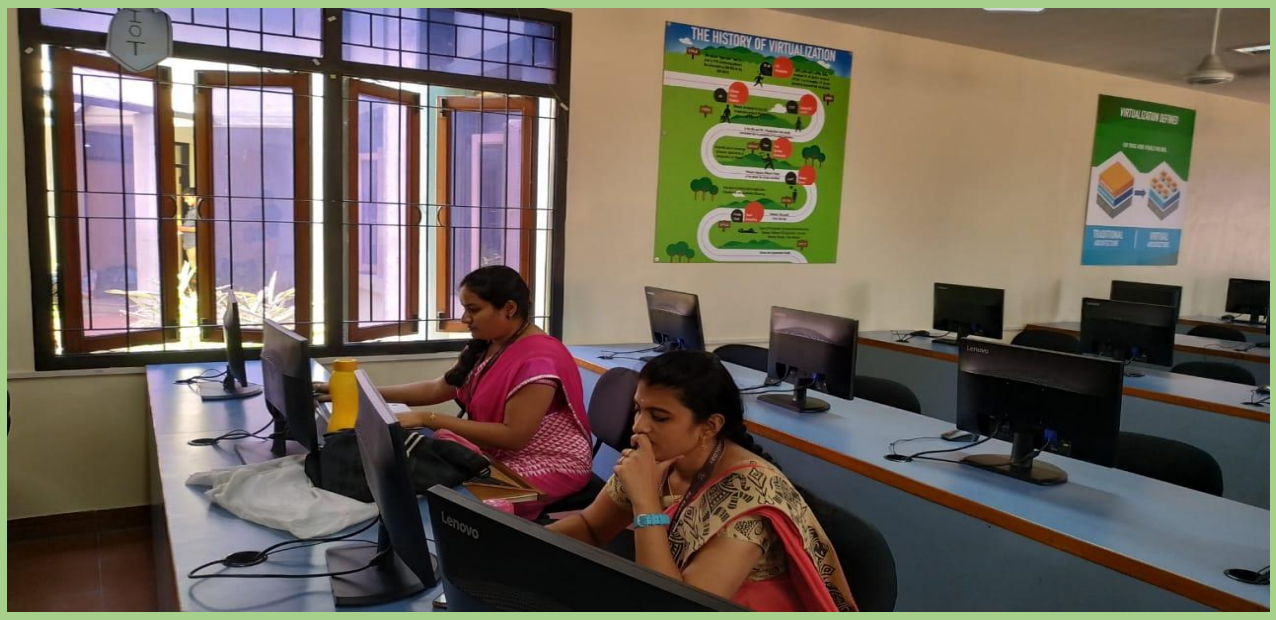
VOLUME 2
ISSUE 12
16.04.19

SKCT DIGEST

KNOWLEDGE UPDATE

WIPRO Assessment, Milestone – 1 for the following faculty members:

1. Ms Madhumidha, AP / IT
2. Ms Sathyabhama, AP / CSE
3. Ms Nivedhitha, AP / CSE



Mr Ramesh, Assistant Professor, Department of Civil Engineering, shared the expertise gained during the STADD.Pro workshop attended by him at Anna University Regional Centre, Coimbatore.

Seminar on "Tektronix - Knowledge Series:

Delivered by:

Mr M R Thiyagu Priyadharsan
Mr Santhakumar
Mr Ahamed Yasar

Attended by :

Faculty Members, Department of ECE

Venue : ES Seminar Hall

CONSULTANCY

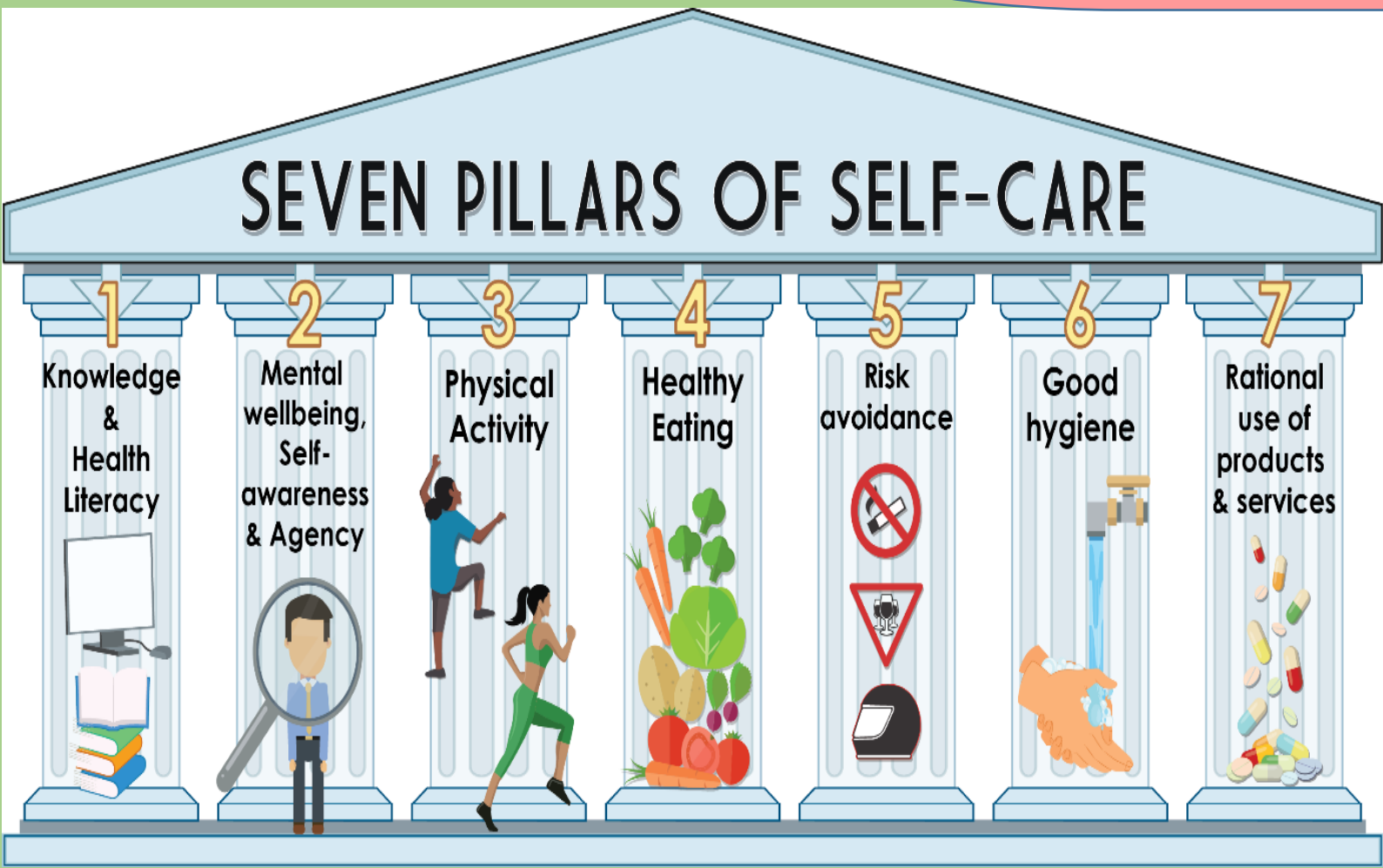
Structural Elements Testing by

Dr Sreevidya, Associate Professor & II ME Structural Engineering Students of Department of Civil Engineering

Amount: Rs.4500/-

Beneficiaries: Students of EASA College

ALL IS WELL...



MEETINGS & DISCUSSIONS

HODs Meeting

Agenda:

Budget Planning, AY 2019-2020
Subject Allocation, AY 2019-2020

Department of Electrical & Electronics Engineering

Agenda:

Budget & Subject Allocation, AY 2019-2020

Department of Information Technology

Agenda: Action Plan & Subject Allocation, AY 2019-2020

Department of Mechanical Engineering

Agenda:

Project Review for Idea Competition 2019 for Mr Prakash & Team @ Manufacturing Laboratory

School of Management

Agenda:

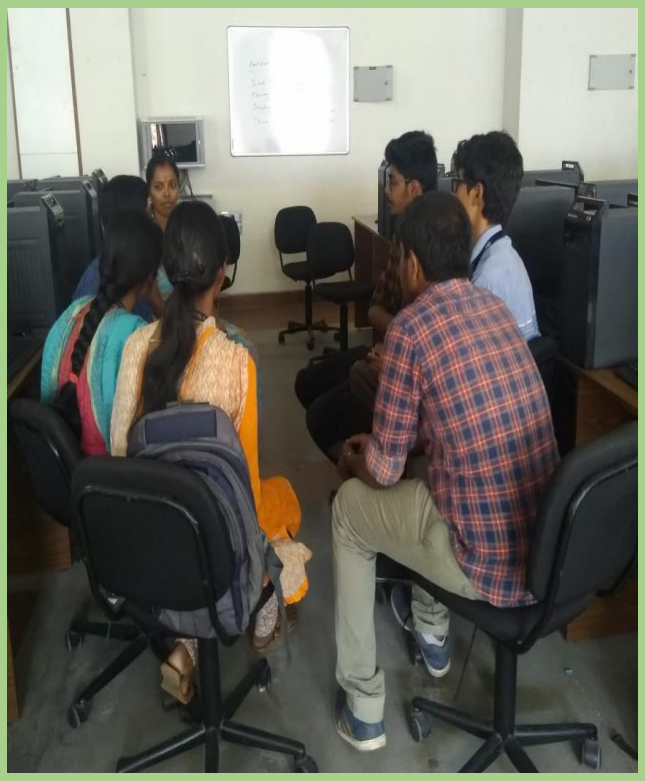
Syllabus Framing for Semester Pattern

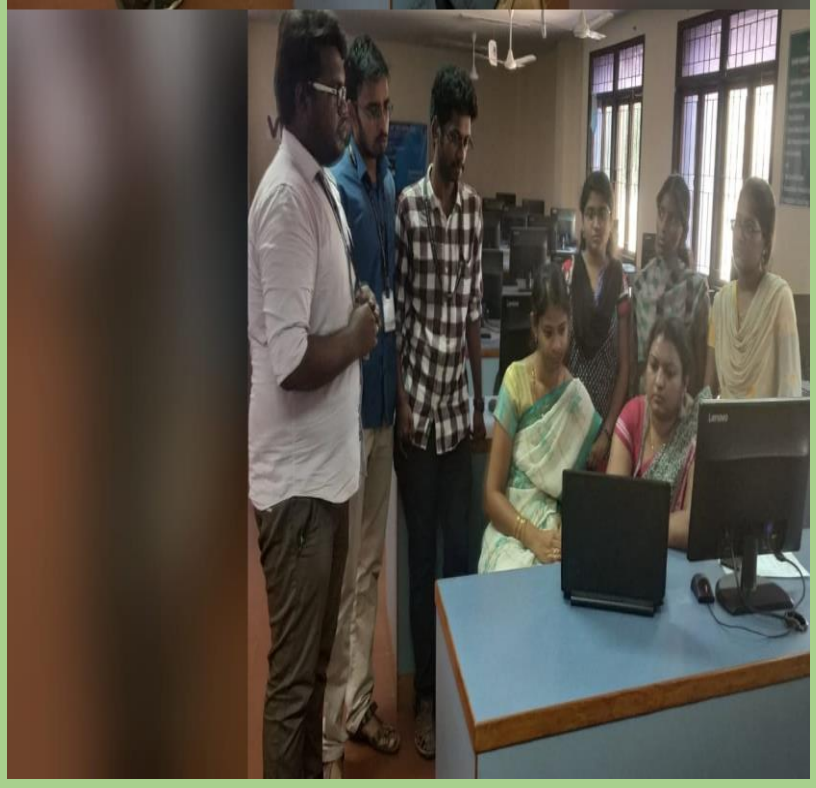
Department of Mechanical Engineering

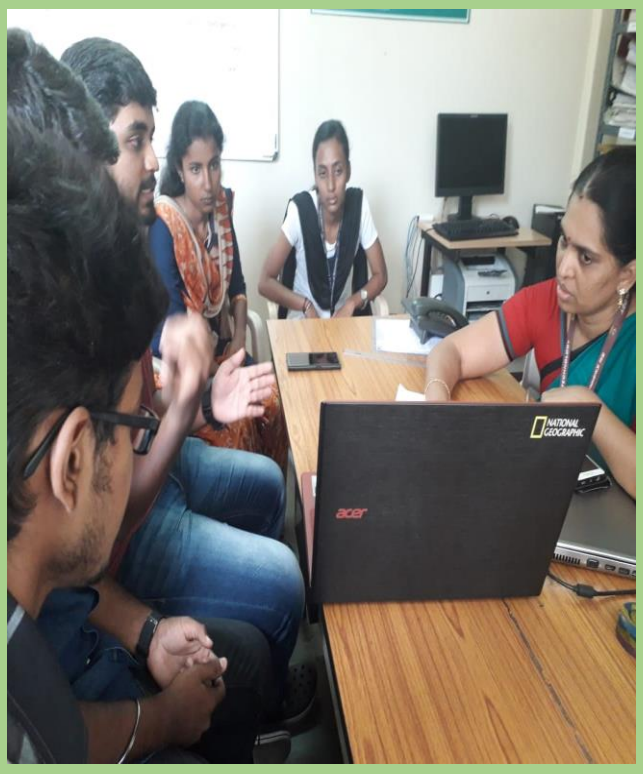
Agenda: Action Plan for Research, AY 2019-2020

SIH REVIEW

SIH Hardware Edition- Review phase I was conducted. Each team presented their project ideas to be implemented for Round 2. Background domain, Design Methodology/Block Diagram, Expected Output and demo video was reviewed.







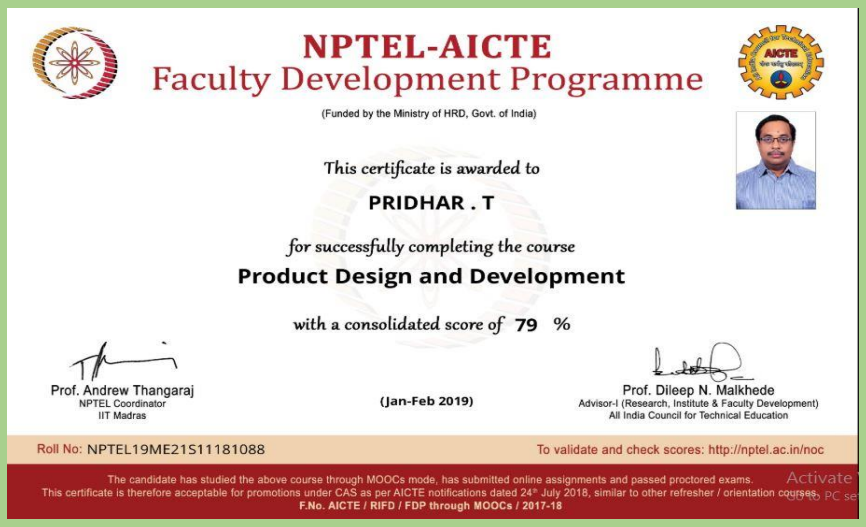
ACCOMPLISHMENTS

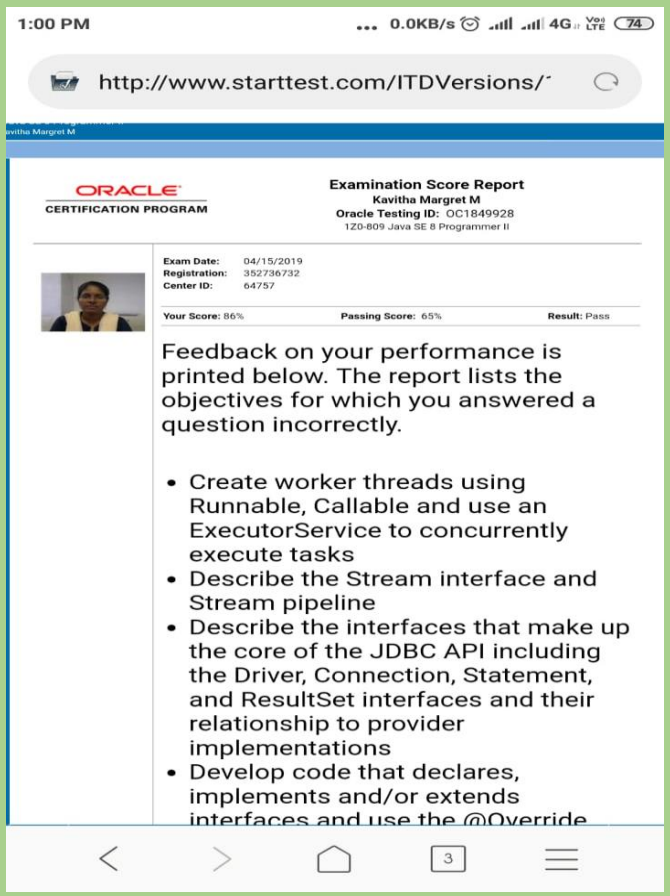
Ms M A Pooja, I BE,
Department of Civil Engineering

Successfully completed NPTEL Course on Introduction to Remote Sensing with Elite Grade

Dr T Pridhar
Department of Mechanical Engineering

Successfully completed NPTEL Course on Product Design & Development with Elite Grade





Ms M Kavitha Margret
Assistant Professor
Department of CSE

Successfully completed ORACLE Certification Course on Java SE 8 programming

Obtained ORACLE Certified Professor Grade

AWARENESS CORNER

TALK OF THE TOWN

DID YOU KNOW???

10 Tips for Public Speaking

1. Nervousness Is Normal. Practice and Prepare!

All people feel some physiological reactions like pounding hearts and trembling hands. Do not associate these feelings with the sense that you will perform poorly or make a fool of yourself. Some nerves are good. Take the time to go over your notes several times. Once you have become comfortable with the material, practice—a lot. Videotape yourself, or get a friend to critique your performance.

2. Know Your Audience. Your Speech Is About Them, Not You.

Before you begin to craft your message, consider who the message is intended for. Learn as much about your listeners as you can. This will help you determine your choice of words, level of information, organization pattern, and motivational statement.

3. Organize Your Material in the Most Effective Manner to Attain Your Purpose.

Create the framework for your speech. Write down the topic, general purpose, specific purpose, central idea, and main points. Make sure to grab the audience's attention in the first 30 seconds.

4. Watch for Feedback and Adapt to It.

Keep the focus on the audience. Gauge their reactions, adjust your message, and stay flexible. Delivering a canned speech will guarantee that you lose the attention of or confuse even the most devoted listeners.

5. Let Your Personality Come Through.

Be yourself, don't become a talking head—in any type of communication. You will establish better credibility if your personality shines through, and your audience will trust what you have to say if they can see you as a real person.

6. Use Humor, Tell Stories, and Use Effective Language.

Inject a funny anecdote in your presentation, and you will certainly grab your audience's attention. Audiences generally like a personal touch in a speech. A story can provide that.

7. Don't Read Unless You Have to. Work from an Outline.

Reading from a script or slide fractures the interpersonal connection. By maintaining eye contact with the audience, you keep the focus on yourself and your message. A brief outline can serve to jog your memory and keep you on task.

8. Use Your Voice and Hands Effectively. Omit Nervous Gestures.

Nonverbal communication carries most of the message. Good delivery does not call attention to itself, but instead conveys the speaker's ideas clearly and without distraction.

9. Grab Attention at the Beginning, and Close with a Dynamic End.

Do you enjoy hearing a speech start with "Today I'm going to talk to you about X"? Most people don't. Instead, use a startling statistic, an interesting anecdote, or concise quotation. Conclude your speech with a summary and a strong statement that your audience is sure to remember.

10. Use Audio visual Aids Wisely.

Too many can break the direct connection to the audience, so use them sparingly. They should enhance or clarify your content, or capture and maintain your audience's attention.

Source: https://www.extension.harvard.edu/professional-development/blog/10-tips-improving-your-public-speaking-

TRENDING IN TECH

Integrated smart sensors

Newer sensor technology has now integrated vital components of a smart sensor on a chip. It offers a controlled specification set across the operation range of a sensor. The underlying idea here is to integrate sensor technology at the silicon level itself. This is believed to improve power consumption while simplifying product development. How are companies implementing it?

Texas Instruments not only integrates data conversion and communication sections of a smart sensor but also helps in either eliminating the traditional sensing element or integrating it on-chip. For instance, a wheel speed sensor typically employs either a multi-pole ring magnet and hall arrangement or a magnetic rotary encoder and magnet arrangement for measuring wheel speed in vehicles.

"The proposed inductive switch sensor completely does away with a costly multi-pole ring magnet and utilises the metallic wheel hub and printed circuit board itself as a sensor to measure wheel speed. Inductive sensing utilises LC tank resonance to identify presence of metallic teeth and valley as an object to switch between high/low states. Given sensitivity, mounting as well as temperature issues with magnets, new solutions make way for a reliable non-magnet approach and low-cost implementation. Moreover, this technology is enabling the placement of control electronics remotely from location of sensing, thereby making it easier to operate the sub-system away from noise environment," explains Sanjay Jain, analogue applications manager, MGTS, Texas Instruments India (SC sales and marketing). This technology is also being adapted for a whole lot of other position and speed-sensing applications. It includes passenger-occupancy detection, seatbelt-buckle detection and gear-position detection, to name a few.

Allegro Micro Systems had launched an angle-position sensor that is also programmable. Model A1335 is a contactless, programmable magnetic angle position sensor integrated circuit. It comes with a system-on-chip architecture with a front-end based on circular vertical hall (CVH) technology. It also includes programmable microprocessor based signal processing and supports multiple communication interfaces including inter-integrated circuit, serial peripheral interface and single-edge nibble transmission.

What is a sensor

The definition of a smartsensor may vary but, typically, at a minimum, it is the combination of a sensing element with processing capabilities provided by a microcontroller. This essentially means that smartsensors are basic sensing elements with embedded intelligence. The sensor signal is fed to the microcontroller, which processes the data and provides an informative output to an external user. Upcoming trends for smartsensors also include integration of a sensor element and related processing at chip level, thereby making end-product realisation easier and faster to develop.

—Sanjay Jain, analogue applications manager, MGTS, Texas Instruments India (SC sales and marketing)

TRENDING IN TECH

The Internet of Medical Things (IoMT)

Various devices and mobile apps have come to play a critical role in tracking and preventing chronic illnesses for many patients and their doctors. By combining IoT development with telemedicine and telehealth technologies, a new Internet of Medical Things (IoMT) has emerged. This approach includes the use of a number of wearables, including ECG and EKG monitors. Many other common medical measurements can also be taken, such as skin temperature, glucose level, and blood pressure readings.

By 2017, nearly 60% of operations in the healthcare field had adopted IoT or IoMT systems, according to Frost & Sullivan. This trend has given rise to improvements in everything from patient experience to profitability. Between 20 and 30 billion IoMT devices are expected to be deployed by 2020. By 2021, the market for IoT devices in healthcare is anticipated to reach $136 billion, Allied Market Research reported. With the arrival of new delivery methods, such as the first smart pill approved in 2017 by the FDA, practitioners will have many interesting options for providing care in a more effective manner.

Providing consistent and effective communication with numerous medical IoT devices is one of the biggest challenges that the sector faces. Manufacturers still regularly utilize their own proprietary protocols for talking to devices, and this can present problems, especially when trying to collect large amounts of data by servers. Connectivity issues are also still common, as the collection of data by microcontrollers and smartphones can be disrupted by a number of factors in the surrounding environment. Buffering methods on local microcontrollers need to become more robust in order to avoid lossiness. Potential security concerns also need to be addressed, as indicated by a report from the Ponemon Institute's Sixth Annual Benchmark Study on Privacy and Security of Healthcare Data that showed that 89% of healthcare operations had been the subjects of at least one data breach.

Source: https://mobidev.biz/blog/technology-trends-healthcare-digital-transformation

How Abilify MyCite Works

AKHBHAAR

The Daily

- Fire devastates Paris' iconic Notre-Dame cathedral-The Hindu
- China is using AI to profile Uighur Muslims-The Hindu
- China ready to wait for India's BRI participation-The Hindu
- Indian bourses shine in derivatives-The Hindu
- Exports outpace imports at 11% in March-The Hindu
- Metropolis Healthcare lists at 9% on debut-The Hindu
- After long wait, it's watch from Tata stable-The Hindu
- Wholesale price inflation spikes to 3.18%-The Hindu
- Samsung sells 2mn A-series phones in 40 days, clocks $ 500 mn in sales-The Hindu
- Sudan protesters call for civilian govt.-The Hindu
- Boeing should fix, rebrand its 737 MAX Plane, says Trump-The Hindu
- Thunderstorm in Manipur claims three lives- The Indian Express
- EC curbs campaigning by Yogi, Mayawati, Meneka and Azam-The Hindu
- SC irked after poll panel's counsel says it is ' powerless'- The Hindu
- Monsoon likely to be 'normal' this year, says meteorological dept.-The Hindu
- Over 40% booth slips distributed-The Hindu
- Number of critical, vulnerable polling stations rises to 8,293-The Hindu
- Rawat bats for indigenisation-The Hindu
- 'Air Force achieved its objective in Balakot'- The Hindu
- Polling duty staff told to be present before 5 pm-The Indian Express
- Rashtriya Rifles to be rejigged for ' integration'- The Indian Express
- Centre extends ceasefire with two Naga insurgent groups- The Indian Express
- Vijay Shankar, Karthik, Rahul make the cut- The Hindu
- A dream come true for Vijay Shankar-The Hindu
- Mumbai Indians brings more heartbreak for Royal challengers-The Hindu
- 3 Indian teams win NASA Awards -The Hindu

APRIL 16

WHAT HAPPENED ON THIS DAY?

George Washington heads for 1st presidential inauguration

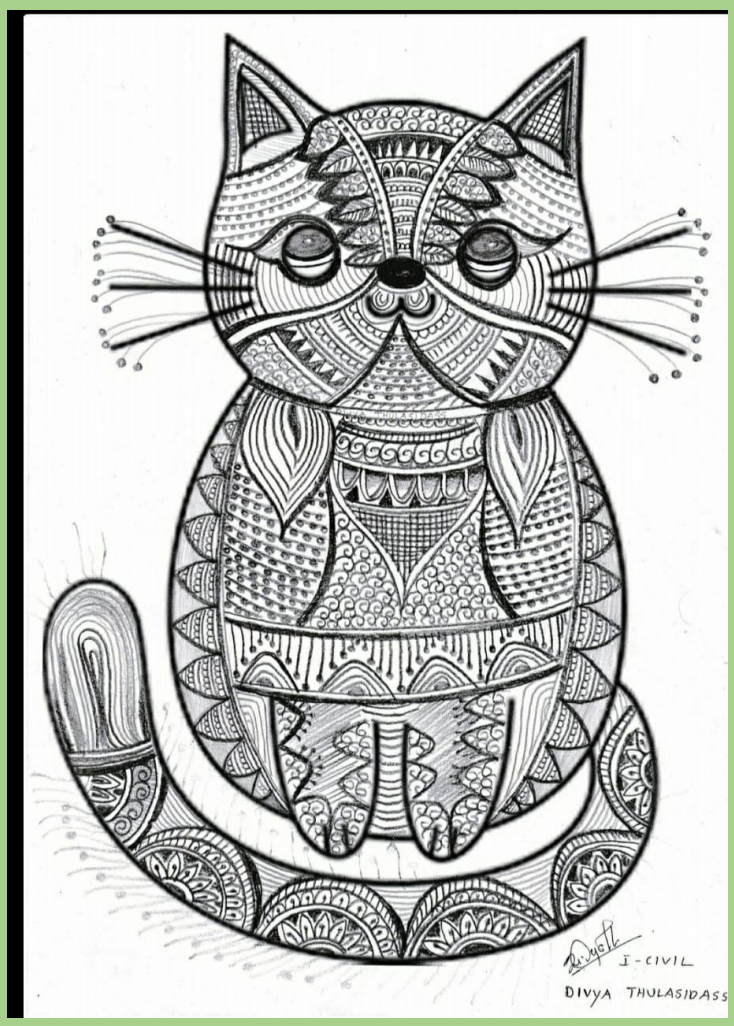
Sharp Shooter, Annie Oakley sets women's record by breaking 100 clay targets in a row

Battle of Berlin

Birth of Charlie Chaplin

British royal yacht Britannia launched by Queen Elizabeth II

BEYOND THE BOX



Creative Corner by
Ms Divya T, I BE Civil Engineering

Creative Corner by
Ms S Ritika , III BE CSE

Mr Krishnakant, Aricent, New Delhi

Alumnus, Department of ECE,
Delivered a talk to the faculty members of ECE Department on the Contemporary Issues in Networking

Mr Arvind T, Mr Ajith Abinash, Mr Arunjunai,

Student members of Product Development Center Department of Mechanical Engineering, serviced the Extruder of 3D printer at the center.

TEAM SKCT WISHES

MAIL US: digestfeedback@skct.edu.in

VIEW US : https://www.facebook.com/skctofficial/

TWEET US : @skctdigest