

SKCT DIGEST

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EDITOR - IN - CHIEF

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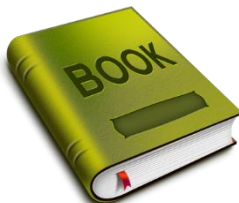
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ACCOMPLISHMENTS



The Management, Principal, Faculty Members and Students are happy in congratulating The Better Team and the Mentors Mr. A.Suresh kumar AP/IT, Dr.B.Sathish Kumar, Professor/Mech ,Dr.Pandian ASP/ EEE and the overall coordinator Ms.V.Roopaa AP/IT for Winning the 1st Prize at SIH 2019 Hardware Edition with cash prize of 1 Lakh Rupees in Smart India Hackathon - 2019 Grand Finale, conducted at IIT Delhi

Team Members	Department
Mr. Dharsan – Team Lead	Mechanical Engineering
Mr.Gokul Prabhakaran	Mechanical Engineering
Mr.Bharath	Mechanical Engineering
Ms.Hari Priya	Mechanical Engineering
Ms. Keerthana	Information Technology
Ms. Akshaya	Information Technology

The Management, Principal, Faculty Members and Students are happy in congratulating Team Workaholic and the Team Mentor Dr. N. Mohanraj, Associate Professor, Department of Mechanical Engineering who have bagged the Title by winning the Smart India Hackathon 2019 Hardware Edition which was conducted at Dayanand Sagar College of Engineering, Bangalore. A prize award of ₹50,000 has been awarded.



Team Members	Department
Mr. Prakash.S -Team Lead	Mechanical Engineering
Mr. Vamshidar. N	Mechanical Engineering
Mr. Vigneshkumar. T	Mechanical Engineering
Mr. Vinesh Madhu. M J	Mechanical Engineering
Ms. Keerthana.G	Mechanical Engineering
Mr. Harris Abisheik. J	Electrical and Electronics Engineering



KNOWLEDGE UPDATE

Concordia Summer Camp- The following are the students of CSE department who have attended Concordia Summer Camp

Schedule	Topic	Students Name
Week 1: 1.7.19-5.7.19	Introduction to Digital Marketing	Abishek V Nair
		Akash T
Week 2: 8.7.19-12.7.19	Global Citizenship	Akshitha B
		Brindha R
		Ravishankar.JS
	Creativity: Design thinking & Innovation	Rithick.R
		Riyaz Khan.B
		Deepthi Shree.S
		Kavi Sindhuja.RM
		Krithika.S
		Nivedha.P



ACTIVITIES



CSE Department - Students working in Arduino and Raspberry pi as a part of IoT CLUB ACTIVITIES.

CSE Department - IPT presentation REVIEW done by III YEAR CSE students.



CSE Department - A session on MACHINE LEARNING was handled by Mr. Vishnu Varthan & Mr. Vishnu of II CSE C

IT Department - A Hands-on session on IBM cloud Essentials was conducted for Special Interest Group



IT Department - SIG Data Analytics in the areas of Introduction about Data Visualization, Visualization Tools & Techniques, Hands On Session on Tools and Roles of Data Analyst were discussed.

CSE Department- Final years- Hacker earth coding activity was conducted.



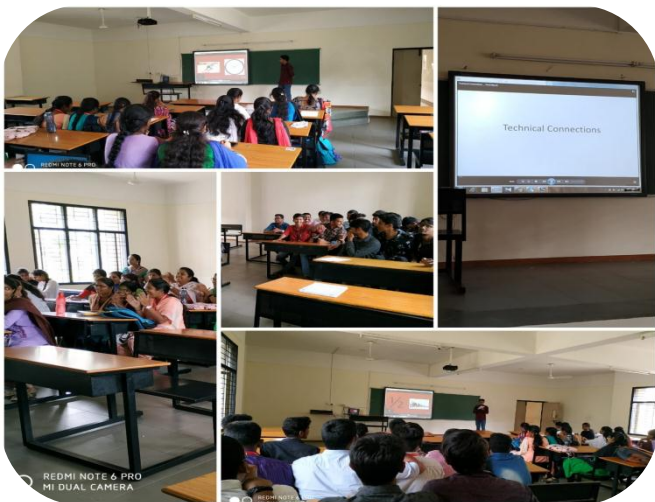
Mechanical Department- A Guest lecture was organised for Third year students on the topic " Simulation for Design" conducted by Mr.Fakkirappa Hottinavar, Territory Technical Manager, Solidworks Simulation, Dassault Systemes India. The Faculty organizer was Dr.B.Sathish Kumar.



IT Department – A Hands-on session in dataset Analysis and problem statement discussion was conducted by Mr.Shaheen - (Zoho intern) IV IT B.



ECE Department - III Year students organised and actively participated in Technical Connections activity.



ECE Department - III Year students conducted Group Discussion on Social Issues Topics.



IT Department – A One Day workshop on "Journey of Cloud to Mobile APP" for all Networking SIG Students. The Guest Speaker was Mr. S. Manigandan, Software Development Engineer, Sporfy India Pvt Ltd., Coimbatore.



EEE Department – The Department organised a Seminar on the Importance of GATE for Career and Higher Education.



EEE Department - As a part of EEE Charity Club, Eeegai "Awareness program on Blood donation" was conducted.

Mechanical Department- The Department organised a Seminar for third years on the topic "Importance of GATE for Career and Higher Education". The Guest speaker was Mr.Rajesh, Centre Head, The Gate Academy.



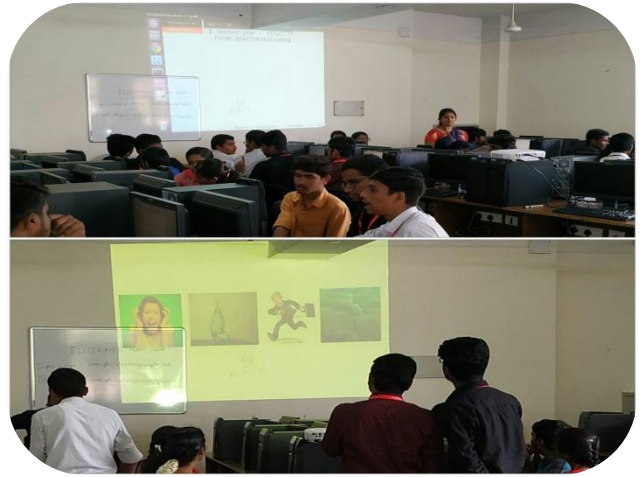
EEE Department - A technical seminar on "Industrial Automation" was organised as an activity under Product Design and Development Club of EEE department.

ECE Department - III ECE students actively participated in sports activities.



ECE Department- A Guest Lecture for II year ECE students on the topic of "INTRODUCTION TO AUTOMOTIVE ELECTRONICS" by Mr.T.Sriram, Lead Engineer, Turbo Energy Private Limited, Chennai.

ECE Department - Electronics Hobby Club organised Technical Quiz and connections event in which the II and III year students participated.



ECE Department - ECE Department - Introduction of office bearers was done as a part of Department association activity.

ECE Department - Department Association was inaugurated by the Chief Guest Mr.Sriram Thirumalaisamy, Lead Engineer, Turbo Energy Pvt Ltd ,Chennai. The Guest of Honor was Mr.Nirmal Sharavanan, Founder Breathe Electronics, Chennai.



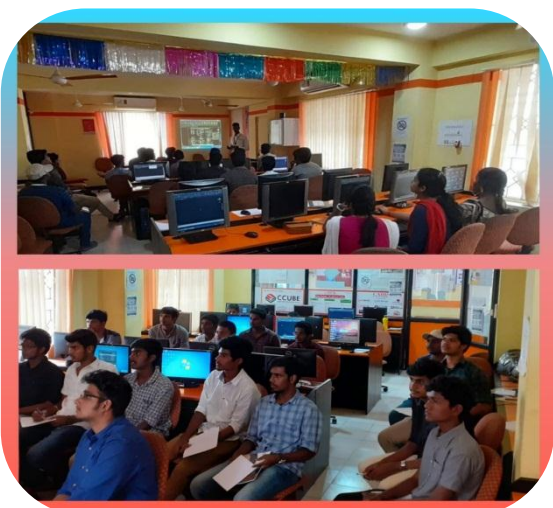
Mechanical Department - A Guest lecture for II and IV year students on the topic "Manufacturing techniques in Metal casting processes" was conducted by Dr.V.S.Saravanan, General manager-Technical, Indoshell Cast Pvt.Ltd, Sidco, Coimbatore.

Civil Department - A Guest Lecture on "E-waste Issues and Challenges, treatment and it's disposal" by Ms.J.Senophiyah Mary, Technical Advisor, Green Era Recyclers, Coimbatore.



IT Department - One Day Workshop on "Cyber Security and Blockchain" by Mr. Karthikeyan Thangavel, Senior Blockchain Developer, Lakeba IT Solutions, Coimbatore for all Cyber Security and Blockchain SIG Students.

IT Department - Keerthana B III IT A & Jithendran III IT A have actively participated in the event iConic Quiz Competition at PSG Technology, 12.07.2019.



Civil Department - A total of 30 II year B.E. Civil Engineering students attended a training program "Plan CADD Next" at CADD Centre, Coimbatore, in order to gain knowledge regarding Planning and Building Drawing which is mapped with Architecture and Computer aided Building Drawing course in their curriculum.

SoM - The following the students of II MBA have presented a Seminar on the Union Budget and explained the impact of the various announcements made on the economy of India. The entire budget video was re-telecasted and the students were given insights for better understanding.



Mr. Dhanushkodi, Mr. Arun Sundar, Mr. Ezhanthamizhan, Mr. Jayachandran, Mr. Kandasamy Mr.Dinesh Kumar, Mr. Akshay , Mr. Gautham Ram, Ms. Janani Priya, Ms. Kiruthiga, Mr. Arul Selvan.



ECE Department - A Technical Seminar on Wireless Communication and Signal Processing Applications regarding Industrial perspective has been arranged for II Year students and the resource person was Mr. Ananthapadmanaban, Director- Projects, Zoultech India Pvt., Ltd.

ICE Department- Students of II year and III year involved in Swatchatha Campaign in the department and made Art from Waste in Revamping and decorated their classrooms.





Insight Club was inaugurated and the Students gave self-introduction and the student coordinator explained the purpose of the club to the members.

Tech Meme Club was inaugurated by Dr. Nandhakumar , Associate Professor & Mr.Bharani Prakash, Assistant Professor/EEE



Recreation Club was inaugurated by Ms. Elakya , Ms. Sanjana Devi, Ms.Judy & Students of II and III year students of EEE involved in Musical Chair Event at Venkatram hall

Civil Department - II Year B.E.Civil Engineering Students performed "Brick Arch" and "Bricks over Lintel" activity to study the behavior of materials.





MEETINGS & DISCUSSIONS



Mechanical Department- Class committee meetings for IV A & B were conducted.

ICE Department- Dr.P.Manju HoD, convened a faculty meeting



ICE Department - Research meeting was conducted and the progress were discussed.

ECE Department - The staff members had a discussion on recent trends in Automotive electronics with Mr. Sriram Thirumalaisamy, Lead engineer, Turbo Engineering, Chennai and Mr. Nirmal Sharavanan, Founder, Breathe Electronics, Chennai



EEE Department – The HoD addressed the students on various job opportunities in EEE core areas.



EEE Department - Outbound Tutor Ward meeting was conducted for III EEE students.



ICE department - NBA Internal Audit was conducted.



Civil Department - NAAC criteria meeting was conducted by the coordinator.

CSE Department - HoD convened Department Faculty meeting.



S&H Department - HoD convened Department Faculty meeting.



EEE Department - Ms.R.Divya Lakshmanan explained about the club activities to student representatives.



ECE Department - Dr. S.Malathy-Prof/ECE and Mr. M. Navin Kumar-Ap/ECE had s discussion with Mr.Rajesh and Mr. Shiju from Gate Academy regarding GATE training for the students



ECE Department - Mr.Rajesh from The GATE academy addressed the Pre-final year students about Public sector placement and Higher education.

EEE Department- Students of II and III year discussed regarding action plan for this academic year.



ECE Department - The Head of the Department had an Interaction with industrial expert Mr.Anandapadmanaban, SAAP Technologies and Mr. Ifthikar,Zoultech engineering services regarding expectations of industries from the students

BEST PASSWORD HACKING TOOLS:

1. BRUTUS:

<http://www.hackingtools.in/free-download-brutus/>

2. RAINBOW CRACK:

<http://www.hackingtools.in/free-download-rainbowcrack/>

3. WFUZZ:

<https://www.darknet.org.uk/2016/05/wfuzz-web-application-password-cracker/>

4. CAIN&ABEL:

<https://softfamous.com/cain-abel>

5. THC HYDRA:

[https://www.darknet.org.uk/2007/02/thc-hydra-the-fast-and-flexible-network-login-hacking tool/](https://www.darknet.org.uk/2007/02/thc-hydra-the-fast-and-flexible-network-login-hacking-tool/)

6. JOHN THE RIPPER:

<https://www.techspot.com/downloads/6970-john-the-ripper.html>

7. MEDUSA:

<http://www.hackingtools.in/free-download-medusa/>

8. OPHCRACK:

<http://ophcrack.sourceforge.net/download.php>

9. AIRCRACK-NG:

<https://www.aircrack-ng.org>

10. LOPHTCRACK:

<http://hackingtools.in/free-download-I0phtcrack/>

AKHBAAR

National News:

- *ISRO's lunar touchdown has dry run on soil fetched from Tamil Nadu-The Hindu*
- *SC tells Speaker to defer call on Karnataka MLAs-The Hindu*
- *Corporation revises Property Tax-The Hindu*
- *Jal Shakti Abhiyan programmes to be implemented-The Hindu*
- *A unique experience for U.S. born Tamil-The Hindu*
- *Sipcot open to joint ventures with landowners, says CM-The Hindu*
- *Statutory services to turn hassle-free-The Hindu*
- *Welfare schemes get lion's share in A.P. Budget-The Hindu*
- *SC refuses to stay HC order on reservation to Marathas-The Hindu*
- *Billboards hail Amartya Sen's view on Jai Sri Ram slogan-The Hindu*
- *First-timers brought to the fore in Lok Sabha-The Hindu*
- *Vikram lander tested over Challakere creators-The Hindu*
- *India, Pak. officials to meet at Wagah for talks on Kartarpur-The Hindu*
- *India, U.S. teams hold talks on trade ties-The Hindu*
- *Warming threatens Greenland's archaeological sites, says study-The Hindu*
- *SKCT: Guest lecture on Manufacturing Techniques -The New Indian Express*
- *Contact number for informing use of drug among students-The New Indian Express*
- *Revenue officials criticized for ignoring order -The New Indian Express*
- *Farmers stage protests on riverbeds demanding release of Cauvery water-The New Indian Express*

International News :

- *Turkey defies U.S. as S-400 arrives-The Hindu*
- *China to impose sanctions on U.S. firms for Taiwan arms sale-The Hindu*
- *Brazil President says he may appoint son as U.S. Ambassador-The Hindu*
- *Russia's top missile system has many buyers-The Hindu*
- *New Constitution calls Kim head of state instead of supreme leader-The Hindu*

Business :

- *Infosys raises revenue outlook; deal wins spur Q1 revenue-The Hindu*
- *CEA for balanced tapping into domestic, foreign savings-The Hindu*
- *Gangwal wants Centre to intervene in IndiGo mess, says won't rest till it's fixed-The Hindu*
- *Lower fiscal deficit will allow private sector to borrow more-The Hindu*
- *Ethanol pumps may be opened soon-The Hindu*
- *Greenko inks pact with GIC, ADIA for \$329 mn more equity funding-The Hindu*
- *ITC will not scale back on investments: Puri-The Hindu*
- *IndusInd Bank cuts MFI lending in some states-The New Indian Express*
- *TVS launches India's first fully ethanol powered bike-The New Indian Express*
- *TruJet likely to break even this year, aims for Rs.600 cr revenue by FY22 -The New Indian Express*

Sports News :

- *New Zealand showed that it can be a giant-slayer in the big battles-The Hindu*
- *Eleven years after epic, Federer conquers Nadal on Centre Court-The Hindu*
- *Shreyas and Khaleel star for India-A in first ODI-The Hindu*
- *Ajay Singh rewrites C'wealth records-The Hindu*
- *FIDE restores rating, AICF insists on apology-The Hindu*

INTERESTING ENGINEERING



Modeled after traditional Japanese screens, BioSkin collects rainwater and feeds it through ceramic pipes that run over a building's exterior. It deflects direct sunlight with solar panels, reducing interior temperatures by as much as 21°F. The system also generates power and lowers air-conditioning costs. With enough buildings wrapped in BioSkin, cities could reduce the urban heat island effect, making the air a lot more comfortable, even for neighbors with conventional cooling systems

HEALTH TIPS



Cumin intake is beneficial in bile disease, Know how to use it

Cumin is used at home but is also used in your health. It cures many diseases. Most 14 to 40-year-olds are battling bile disease. The mucus emanating from the mouth is called bile and the mucus emanating from the nose is called phlegm. Sometimes bile worsens to become gas in the stomach and causes headaches. You can use cumin to remove it.

Repeated abdominal pain, burning of the stomach, sour belching, vomiting, not digesting food, frequent nausea, these are all symptoms of diseases of bile. Cumin can help you get rid of them.

If you are suffering from these diseases, this use of cumin can eliminate your disease from the root cause. First you boil half a cup of water, then add half a teaspoon of cumin seeds.

Drink it like tea after cooling the water. Chew the cumin seeds mixed with water and eat. By taking this remedy regularly, all diseases of the bile are eliminated. By taking this remedy, you can also get rid of acidity problems.

For people who are suffering from heart ailments, cumin is like an elixir. Eating cumin regularly reduces cholesterol levels in the body. Glucose levels in the body of people suffering from diabetes are normal. Cumin is also a panacea treatment for skin ailments, muscle pain, blood loss, blood pressure, fever and physical weakness.



MOTIVATIONAL ZONE

We should not give up and we should not allow the problem to defeat us.

A. P. J. Abdul Kalam



Julius Caesar

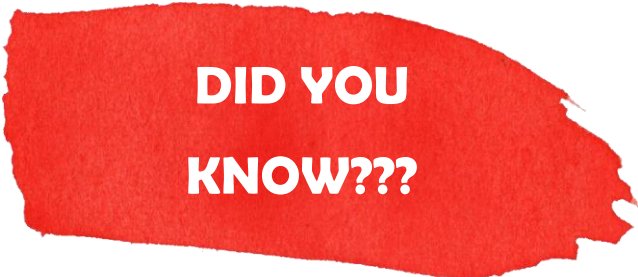


Dedication of the "Hollywoodland" sign

1923: The Hollywood Sign is officially dedicated in the hills above Hollywood, Los Angeles. It originally reads "Hollywoodland" but the four last letters are dropped after renovation in 1949

2001 : The code red (WORM) virus is first seen on the Internet. The virus is thought to have affected over 250,000 web sites between 13th July and July 20th

100 BC Julius Caesar, Roman military and political leader, born in Rome (d. 44 BC)



DID YOU KNOW???



WHY IS AN OCTOPUS'S BLOOD BLUE?

Instead of iron-based hemoglobin, Octopuses and lots of other invertebrates use copper-based hemocyanin which turns their blood blue. Oxides of iron tend to be red while oxides of copper tend to be blue.



AWARENESS CORNER

WOOD SMOKE AND YOUR HEALTH

Wood smoke may smell good but it's not good for you. With a few simple steps you can help reduce wood smoke to protect your health and the air we breathe.

DID YOU KNOW? One old, inefficient wood stove can emit as much air pollution as 5 dirty old diesel trucks.

Tiny particles in wood smoke can affect your health

HEART IMPACTS
Increases the risk of heart attack, irregular heartbeat, heart failure, stroke and early death.

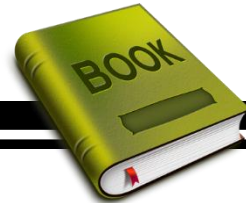
LUNG IMPACTS
Triggers asthma attacks and aggravates other lung diseases and damages children's lungs.

WHO IS AT GREATER RISK?

- Older adults
- Children and teens
- People with heart or lung disease

Four easy steps to reduce wood smoke

- Burn dry, seasoned wood that has been split, stacked, covered and stored.
- Test wood with a moisture meter (20% moisture or less is best).
- Use a cleaner-burning gas or wood stove.
- Provide sufficient air to the fire; never let it smolder.



Fall, or Dodge in Hell

Neal Stephenson

The #1 New York Times bestselling author of *Seveneves*, *Anathem*, *Reamde*, and *Cryptonomicon* returns with a wildly inventive and entertaining science fiction thriller—*Paradise Lost* by way of Phillip K. Dick—that unfolds in the near future, in parallel worlds.

In his youth, Richard “Dodge” Forthrast founded Corporation 9592, a gaming company that made him a multibillionaire. Now in his middle years, Dodge appreciates his comfortable, unencumbered life, managing his myriad business interests, and spending time with his beloved niece Zula and her young daughter, Sophia

.One beautiful autumn day, while he undergoes a routine medical procedure, something goes irrevocably wrong. Dodge is pronounced brain dead and put on life support, leaving his stunned family and close friends with difficult decisions. Long ago, when a much younger Dodge drew up his will, he directed that his body be given to a cryonics company now owned by enigmatic tech entrepreneur Elmo Shepherd. Legally bound to follow the directive despite their misgivings, Dodge’s family has his brain scanned and its data structures uploaded and stored in the cloud, until it can eventually be revived. In the coming years, technology allows Dodge’s brain to be turned back on. It is an achievement that is nothing less than the disruption of death itself. An eternal afterlife—the Bitworld—is created, in which humans continue to exist as digital souls. But this brave new immortal world is not the Utopia it might first seem . . .

Fall, or Dodge in Hell is pure, unadulterated fun: a grand drama of analog and digital, man and machine, angels and demons, gods and followers, the finite and the eternal. In this exhilarating epic, Neal Stephenson raises profound existential questions and touches on the revolutionary breakthroughs that are transforming our future. Combining the technological, philosophical, and spiritual in one grand myth, he delivers a mind-blowing speculative literary saga for the modern age.