

# **Department Technical Activities**



**Department of Computer Science and Engineering**

# **Arts Day**

**Date: 24<sup>th</sup> December 2021**

Arts Day was held on 24<sup>th</sup> December 2021 and prize distribution was held on 28<sup>th</sup> December 2021 in the department of Computer Science and Engineering.

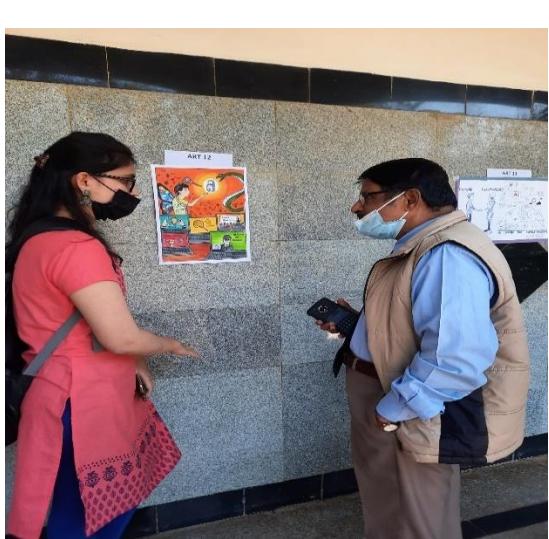
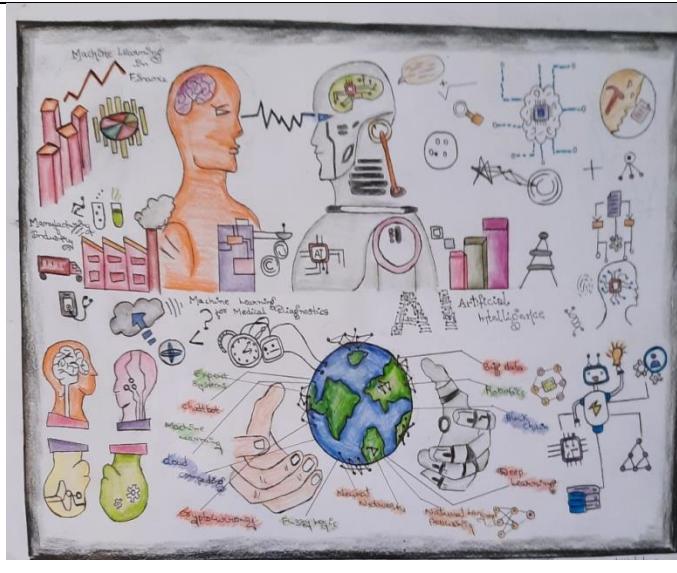
Position	Name of the Student	Art
1	Bhanu Prakash R	
2	Deepthi S 1CE20CS028	

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3

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Ashwini B





Achievers of technical events were received certificate and cash prize from HOD. The appreciation certificates were also given to the participants.

# Online Faculty Development Programme

Date: 23<sup>nd</sup> April 2022

Online FDP on “Developing Research Orientation of Academicians in Higher Education Institutions” was conducted on 23-08-2021.



# Technical Activity- 9DaysCoding@CEC

Date: 23<sup>rd</sup> April 2022



## **Technical Activity- Tech Puzzle**

**Date: 22<sup>nd</sup> April 2022**

Technical Activity was held on 22<sup>nd</sup> April 2022, in the department of Computer Science and Engineering. Students of 6<sup>th</sup> semester participated in the competition.



 CITY ENGINEERING COLLEGE,  
BANGALORE

Department of Computer  
Science and Engineering



Proudly Presents

**TECH PUZZLE**

Date: 22-04-2022  
Time: 2PM to 4PM

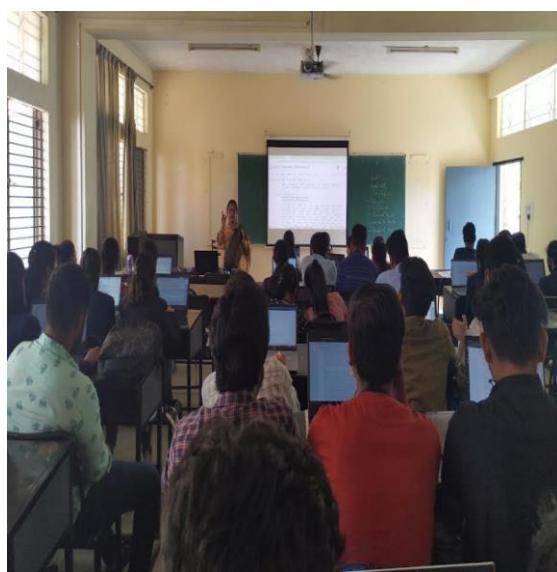
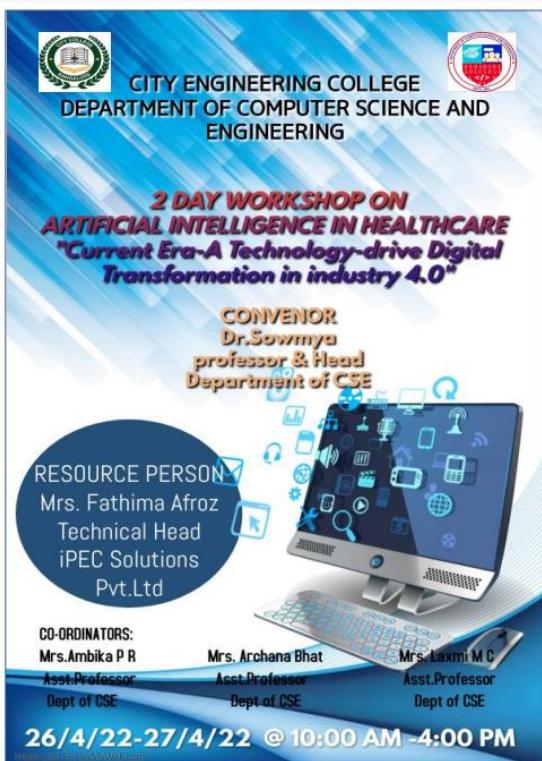
**Participants:**  
**6th Semester**  
**Students**

**Organized By:**  
**Dr. Vagdevi**  
**Prof. Nandini S B**

# WORKSHOP on “*Artificial Intelligence in Healthcare*”

Date: 26<sup>th</sup> to 27<sup>th</sup> April 2022

A two days' workshop on “*Artificial Intelligence in Healthcare*” was successfully conducted in the city engineering college, from 26<sup>th</sup>to 27thApril 2022 by Department of Computer Science and Engineering.



## Cultural Activity- “CSE SAMBHRAMA”

**Date: 29<sup>th</sup> April 2022**

Cultural activity “CSE SAMBHRAMA” was held on 29th April 2022 from 2:00 pm till 4:45 pm in the Department of Computer Science and Engineering Seminar hall. Students of 6th and 8th semester participated in the above event.



# Faculty Development Programme

Date: 21<sup>st</sup> March -25<sup>th</sup> March 2022

A five days Faculty development programme on “**Issues, Opportunities and challenges in IOT**” was successfully conducted in the city engineering college, from 21st to 25th March 2022 by Department of Computer Science and Engineering. The FDP programme received an overwhelming response from 35 faculty participants of various departments of City Engineering College.

**Date wise brief Report of the five days FDP programme is given below:**

**Day 1: 21-03-2022:Inaugural Session**



Inaugural speech by the Principal **Dr. Thippeswamy H N**



**Mr. Satish Hande**, Administrative Officer, CEC, addressing the gathering

**Session 1:** Dr. Thippeswamy H N, Principal, City Engineering College, started his discussion with **Environmental Awareness**.



**Dr. Thippeswamy H N**, Principal, CEC, delivering lecture on “Environmental Awareness”

**Session 2 of Day 1: Dr. N Rajasekhar Reddy**, Professor and Head, ISE Department delivered a talk on **Cyber Security**.



**Dr. N Rajasekhar Reddy**, demonstrating “Block Chain Technology”

**Day 2: 22-03-2022**

**Session 1:** Second day of FDP started with very interactive session on **Information Security** by **Dr. S Vagdevi**, Professor and Head, AI&ML department. The following topics were explained – Introduction, difference between Information, cyber and network security, classification of crypto systems, Security Services and Mechanisms and Security attacks. Madam demonstrated how these concepts are used in WhatsApp and also demonstrated RSA algorithm with the open source Wireshark.



**Dr. S Vagdevi**, delivering a talk on “Information Security”

**Session 2 of Day 2: Prof. B Vivekavardhana Reddy**, HOD, CS Department, delivered very informative session on **GDB-GNU project debugger**. The speaker explained the importance of debugging in project development and demonstrated the Standard Template Libraries (STL) which was introduced in C++ version 11, with coding snippets.



**Prof. B. Vivekavardhana Reddy**, explaining “GNU project debugger”

#### **Day 3: 23-03-2022**

**Session 1:** On the third day, **Dr. Nandakumar A N**, Professor, Department of CSE, started the session on **Image processing from a research perspective** with computer graphics.



**Dr. Nandakumar A N**, delivering a lecture on “Image Processing from a Research Perspective”

**Session 2 of Day 3:** Dr. Shalini Prasad, Professor, ECE Department, delivered a talk on Embedded system. The participants were introduced with free, easy to use app named Tinkercad which runs on web browser that equips the next generation of designers and engineers with the foundational skills for innovation: 3D design, electronics, and coding. Madam demonstrated how this app can be used to design the electronic circuits and simulate the embedded system projects by using Arduino Uno microcontroller.



**Dr. Shalini Prasad, Demonstrating “Embedding System and Tinkercad”**

**Day 4: 24-03-2022**

**Session 1:** Intelligence Transportation System was the topic of this session and the speaker was Dr. Sowmya Naik, Professor, CSE Department. The speaker shared discussed how sensors are used to make transportation system safe, reliable and detect natural disaster. The following things were clearly explained with case studies: significance of intelligent transport system, intelligent transport technologies and applications.

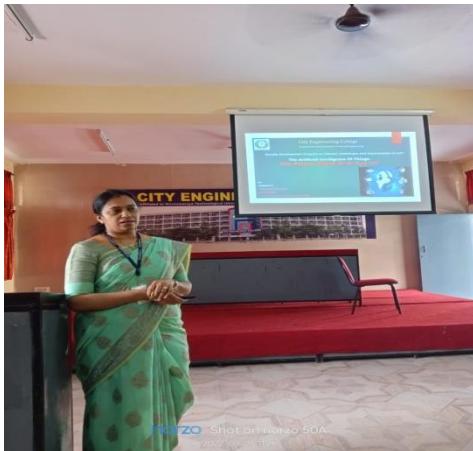


**Dr. Sowmya Naik, presenting a talk on “Intelligent Transportation System”**

## Session 2 of Day 4:

One of the trending buzzword Artificial Intelligence of Things (AIoT), the perfect blend of AI and IoT was delivered in this session by Prof. Ambika P R from CSE department.

Artificial Neural Networks was explained under deep learning. Later role of AI in IoT was explained and session was concluded with benefits and limitations of AI.



**Prof. Ambika P R**, explaining ‘Artificial Intelligence of Things’

**Day 5: 25-03-2022**

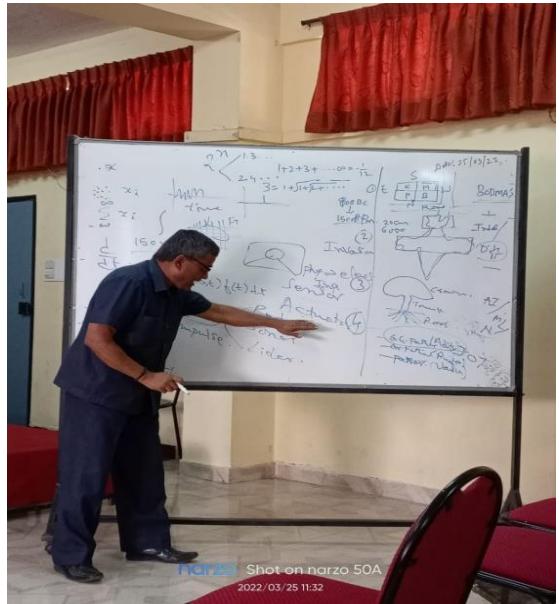
**Session 1:** Prof. Ravindra S from ECE Department delivered a talk on Signal Processing and its Applications.



**Prof. Ravindra S**, Demonstrating Signal Processing and its Applications

## Session 2 of Day 5:

In the second session of the last day of FDP **Dr. Y S Kumaraswamy**, Professor, CSE department explained about the significance of satellite images under the topic **IOT-An Application in Indian Satellite Images during Flood and Border Sensitivity**. In this talk the speaker discussed sources of satellite images, processing of satellite images, pattern recognition, automatic flood mapping, and applications of satellite images, border detection and monitoring.



Dr. Y S Kumaraswamy, explaining IOT-An Application in Indian Satellite Images



# **Orientation Program -8<sup>th</sup> and 6<sup>th</sup> Semester**

**Date: 18<sup>th</sup> and 20th April 2022**

An orientation program was organized for **8<sup>th</sup> semester students on April 18, 2022** and for **6<sup>th</sup> semester students on April 20, 2022**. The main aim of the program was to give the students an insight into the various aspects of department and college activities.



**WELCOME  
TO  
ORIENTATION PROGRAM**



# Orientation Program-4<sup>th</sup> Semester

Date: 13-06-2022

An orientation program was organized for **4<sup>th</sup> semester students on June 13<sup>th</sup>, 2022**. The main aim of the program was to give the students an insight into the various aspects of department and college activities.



# Ethical hacking and cyber security workshop

Date: 18-06-2022

Ethical hacking and cyber security workshop was conducted during 15-06-2022 to 17-06-2022, in the department of AI & ML, CSE & ISE, for the 4<sup>th</sup> and 6<sup>th</sup> semester students.

**Resource person:**  
Mr. Ajinkya Lohakare



**WORKSHOP CONTENT**

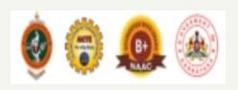
- Introduction of Ethical Hacking.
- Footprinting And Reconnaissance.
- Scanning
- Enumeration
- System Hacking
- Sniffing
- Hacking Web Servers
- Hacking Web Applications
- Hacking Wireless Networks
- DDos & Dos Attacks.

**YOU WILL LEARN**

- The core areas of cybersecurity and how to create a security program that is built on a foundation of Detection, Response, and Prevention
- Core areas of cybersecurity and how to create a security program that is built on a foundation of Detection, Response, and Prevention
- Adversaries adapt tactics and techniques, and importantly how to adapt your defense accordingly
- What ransomware is and how to better defend against it
- To Leverage a defensible network architecture (VLANs, NAC, and 802.1x) based on advanced persistent threat indicators of compromise
- The Identity and Access Management (IAM) methodology, including aspects of strong authentication (Multi-Factor Authentication)
- To leverage the strengths and differences among the top three cloud providers (Amazon, Microsoft, and Google), including the concepts of multi-cloud

**SCAN THE QR CODE TO REGISTER NOW!!**





**CITY**  
ENGINEERING COLLEGE

ESTD.in 2001, Affiliated to VTU, Belagavi, Approved by AICTE,  
Accredited by NAAC  
Near Doddakallusandra METRO Station, Kanakpura Road  
Bikasipura, Bangalore 560062  
[www.cityengineeringcollege.ac.in](http://www.cityengineeringcollege.ac.in)

**HANDS-ON WORKSHOP**  
**ETHICAL HACKING**  
**AND CYBER SECURITY**

**15,16 & 17 JUNE 2022**



**VENUE:**  
CITY ENGINEERING COLLEGE AUDITORIUM  
Near Doddakallusandra METRO station, Kanakpura Road  
Bikasipura, Bangalore-560062  
[www.cityengineeringcollege.ac.in](http://www.cityengineeringcollege.ac.in)



Resource person: Mr. Ajinkya Lohakare interacting with the participants in hands on session.



# National Level Project EXPO

Date: 20-06-2022

**National Level CEC Project Expo-2022 held on 20<sup>th</sup> June 2022.** The National Level Project exhibition is organized by City Engineering College, Bangalore. The Major objective of organizing this National Level Project exhibition is to provide the platform and unleash the potential of the students by showcasing their innovative projects.



Honorable Chairman **Dr. K.R Paramahamsa** graced the occasion and interacted with the participants.



Students from CSE Department received second prize for the project "**A smart wearable device using AI and IOT for assisting Blind and retarded people**"

**Student Team:** Ms. D.K Bhoomika

**Ms. Nandika M.J**

**Mr. Nithin Prasad**

**Ms. Sai Pooja Pokla**

**Project Guide:** Dr. S Vagdevi

Professor and HOD  
Dept. of AI and ML

# STUDENTS ACHIEVEMENTS

Students from CSE Department received **second prize** for the project **“A smart wearable device using AI and IOT for assisting Blind and retarded people”** in state level Engineering Students project **Exhibition Competition 2022 as part of SRISTHI-2022** held at BMS College of Engineering, Bangalore from 25<sup>th</sup> to 27<sup>th</sup> July 2022.





Student project teams participated in state level Engineering Students project Exhibition Competition 2022 as part of SRISTHI-2022 held at BMS College of Engineering, Bangalore from 25<sup>th</sup> to 27<sup>th</sup> July 2022.

# Students participation n HACKATHON

- **HackBites 2.0, 24-hour state level hackathon**

Mr. Prashanth K, Mr. Chethan S, Mr. Ratnadeep More and Mr. Anil K , Mr. Bhanuprakash R, Mr. Ajay S, Mr. Puneeth B.M. Mr. Mohammed Sameer, Mr. Fozail Ahmed, Ms. Shalini R, Ms.Sahana G.H, Ms. Ananya B and Mr. Mulge Shiva Rahul Kumar , Ms. Mrudula Prasad and Ms. Ashwini B, Participated in HackBites 2.0, 24-hour state level hackathon organized by Honeywell at Global Academy of Technology, Bengaluru, held on 30th to 31<sup>st</sup> May 2022.



- Hackwell 3.0, 48-hour hackathon

Ms. Mrudula S Prasad, Ms. Ananya Bhombare, Mr. Fozail Ahmed and Mr. Charan Simha Participated in Hackwell 3.0, 48-hour hackathon organized by Honeywell at JSSATE, Bengaluru, held on 27th to 29th April 2022.



- **Udanka Aarun Jain** from 8<sup>th</sup> semester received youngest Indian Distinguished Toastmaster through Pathways.



## **Udanka Aarunjain The Youngest Indian Distinguished Toastmaster through Pathways**



**UDANKA AARUNJAIN  
6<sup>TH</sup> SEMESTER, CSE**

- **Internship at International Model United Nations**

**Ms. Daniya Khanum** from 4th semester, CSE department completed Internship at International Model United Nations from October 15<sup>th</sup> 2021 to November 19<sup>th</sup> 2021. This internship helps students develop leadership skills, research, writing, public speaking, and problem-solving skills. Moreover, coming up with solutions that are acceptable to a majority of the representatives also inculcates skills of negotiation, conflict resolution, and cooperation.



- Hackathon “JITHack 2021”

Mulge Shiva Rahul Kumar, Shalini R, Mrudula R Prasad and Pooja Shree K  
from 4th Semester participated in 2 days Hackathon  
"JITHack 2021" organized by Jyothy Institute of Technology, Bangalore on 26th-27th June 2021  
held on 23-08-2021



- Paper presentation in National E-Conference**

**Mohammed Ali Baig, Mohammed Faizal, Mohammed Tauxif Pasha and Mujtaba Nayaz**  
under the guidance of Dr. Sowmya Naik, participated and presented  
a paper titled on "Medkit for Blind" in National E-Conference  
on Computer Science and Technology Allies in Research (NCCSTAR-2021)  
organized by Dept. of CSE & ISE, RRIT Bangalore, held during 16th and 17th July 2021.



- Paper presentation in National Conference**

**Udanka Arunjain, Karthik A N, Surabhi G R and Chethana Nath**  
from 6th Semester presented a paper titled  
"Parkinson disease prediction using Machine Learning algorithms"  
The 3rd National Conference on Futuristic Trends in Computer Science and Information Technology"  
on 16th August 2021 organized by Dept. of CSE, HKBK College of Engineering.



- Paper presentation in National Conference

**Meghana G, Manoranjini, Roopa M And Kavyasree S B Under The Guidance Of Prof. Ambika P.R,  
Participated And Presented A Paper Titled On  
"COVID-19 Face Mask Detection and Alert System Using Machine Learning Techniques"  
In National E-Conference On Computer Science And Technology Allies In Research (NCCSTAR-2021)  
Organized By Dept. Of CSE & ISE, RRIT Bangalore, Held**



## • National Level Project Exhibition @ JIT Bangalore

Nischal Kothari M, Pavan V, Mohammed Shahid Ulla And Krupa D ,  
Under The Guidance Of Prof. Deepika R,  
Participated In National Level Inter Collegiate Project Exhibition 2021  
Organized By Dept.Of ISE, Jyothy Institute Of Technology Bangalore On 5th July 2021.

