TECH BYTES '21

"Intelligence is the ability to avoid doing work, yet getting the work done."

-Linus Torvalds

INSIDE THIS ISSUE

HOD'S MESSAGE

My hearty congratulations to the association for coming out with the newsletter in the EVEN SEMESTER of the academic year 2020-2021. This is a forum for showcasing the technical talents of the students in the department. Wishing all success to the team behind this effort.

Dr. R. P. Anto Kumar, HOD/CSE

First International Conference on Computing Technologies - ICCT 2021

The Conference was a significant event, bringing together 26 papers from different parts of the country. The conference received 52 papers among them 29 papers were accepted. The conference program was rich with 6 sessions, four keynote lectures by Dr. D.C. Shubhangi, Professor & Chairman, Visvesvaraya Technological University Regional Office, Centre for PG Studies, Kalaburagi, Dr. Marwan I. Alshar'e, Professor, Faculty of Computing Science in Affiliation with Staffordshire University, Gulf College, Muscat, Sultanate of Oman, Dr. B. Blessto, National Institute of Technology, Trichirappalli, and Dr Ronald S. Cordova, Professor & Module Leader, Gulf College, Oman on the topics Fusion based Medical image analysis, Cyber Security, Artificial Intelligence for Engineering Application and A Working Model for Alumni Tracking Information System respectively.

OUR VISION

Creating accomplished, innovative, and ethical computer professionals.

OUR MISSION

To provide an environment that promotes professional and personal growth for the students.

To provide quality education to the students and train them effectively to solve real-world problems with criticality.

To develop a desire in the learners for higher education and research by providing them with exposure, inspiration, and opportunities.

To inculcate ethical values and leadership abilities in the young minds to work with passion and commitment for the progress of the society.
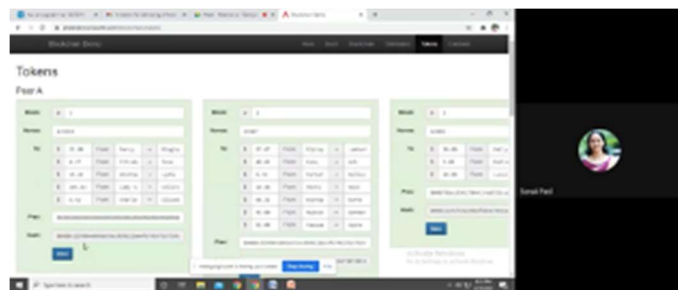
Webinars & Workshop

Demystifying Blockchain

A webinar on Demystifying Blockchain was organised for all students on 18/03/2021 between 6:00 PM to 7:00 PM. The session was handled by the Resource Person Dr. Sonali D. Patil, Professor and Head, Department of IT, Pimpri Chinchwad College of Engineering, Pune – 44. By the end of this webinar, students can got a brief idea about blockchain, it's real word applications, and how it can revolutionize future of computing.

Open-Source Technology & Career Opportunities with Red Hat Academy

A webinar on Open-Source Technology & Career Opportunities with Red Hat Academy was organised for all students on 14/05/2021 between 3:30 PM to 5:00 PM. The session was handled by the Resource Person Mr. Gulshan Prasad, Technical Consultant, Red Hat. By the end of this webinar, students got a brief idea about open-source software, and Red Hat certification paths.
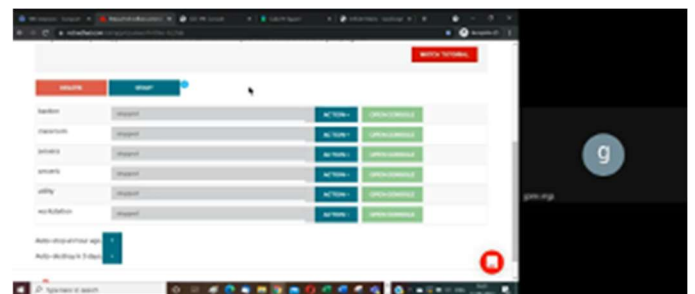

My Career Path

A webinar on 'My Career Path' was organised for all students on 11/06/2021 between 6:00 PM to 7:00 PM. The session was handled by the Resource Person Mr. Gomathi Subramanian, Managing Director, Cubensquare Technology Solutions, Chennai. The speaker emphasized the importance of having a strong profile and professional certifications in today's job market.

IoT in Smart Cities

A webinar on IoT in Smart Cities was organised for all students on 14/06/2021 between 6:00 PM to 7:00 PM. The session was handled by the Resource Person Dr. Beulah David D, Assistant Professor, Department of Computer Science

and Engineering, Jeppiaar Engineering College, Chennai. By the end of this webinar, students got a brief idea about IoT and its applications.

Introduction to Generative Adversarial Network

A webinar on Introduction to Generative Adversarial Network was organised for all students on 19/06/2021 between 6:30 PM to 7:30 PM. The session was handled by the Resource Person Mr. Mahesh Kumar A S, Assistant Professor, Department of Electronics and Communication Engineering, PES College of Engineering, Mandya, Karnataka. By the end of this webinar, students got a understanding on GAN and it's applications.
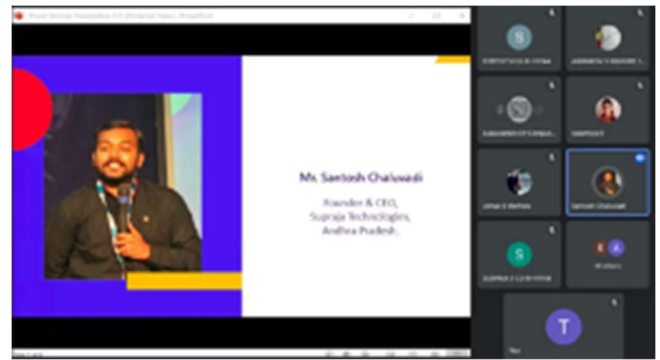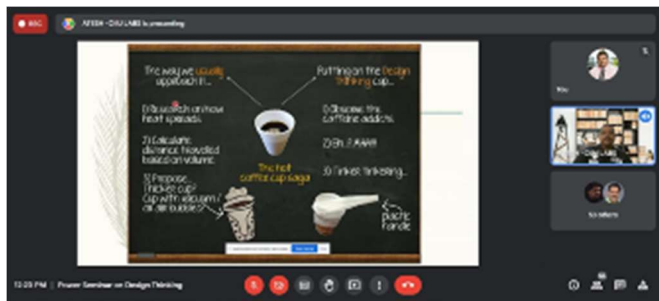

ABOUT ACE

Association of Computer Engineers (ACE) is a professional association drive by Department of Computer Science and Engineering, SXCCE. The staff and students of CSE department are the members of the association. The association is dedicated to expanding the ability of students in the field of Computer Science and Engineering. ACE, since its start has been a hallmark in our college. ACE has always strived to fulfill its motto "Awake, Arise, Achieve".

ACE Objectives

1. To motivate the students to involve in various activities.

2. To enrich their leadership qualities and improve their self-confidence.

3. To learn about advanced technologies and gain knowledge.

4. To get an idea about the areas students have to concentrate much related to placements.

Design Thinking

A webinar on Design Thinking was organised in association with ICT Academy for all students on 09/06/2021 between 11:00 AM to 12:00 PM. The session was handled by the Resource Person Mr. Rahul N, Founder, Trustee Silverink Foundation & Founder and Chief Design Officer, Lighting Lanterns Media Works Pvt Ltd. The speaker suggested some important pointers to keep in mind for developing a design thinking mindset.

Cyber Security & Ethical Hacking

An online workshop on Cyber Security & Ethical Hacking was organised for all students on 20/06/2021 between 11:00 AM to 1:00 PM. The session was handled by the Resource Person Mr. Santosh Chaluvadi, Founder & CEO, Supraja Technologies, Andhra Pradesh. By the end of this webinar, students got to know various cyber security practices to be safe online and the importance of cyber security in this day and age.

PEOs

1. To enable graduates to pursue higher education and research or have a successful career in industries associated with Computer Science and Engineering, or as entrepreneurs.

2. To ensure that graduates will have the ability and attitude to adapt to emerging technological changes.

3. To ensure that the graduates will have strong moral principles, leadership qualities and thus redeem the society.

Tech Bits 💡

1. In November 2020, Apple released the first Macs with a custom ARM-based Apple Silicon M1 chip. Prior to this transition, Apple used Intel processors for almost 14 years.

2. Tokyo Olympics 2020 which took place from July 23 to August 08 is the most technologically advanced Olympics till date. Tech giants like Intel, Samsung, Alibaba Cloud, Cisco, and Canon partnered with International Olympic Committee. Their innovations include high precision drones, support robots, 3D athlete tracking, Olympic Broadcasting Services with UHD streaming, contactless vital sensing and many more.

ANNUAL PLAN

ODD SEMESTER

SI No	Date	Program/Activity Name	Type of Program	Objectives
0	28/08/2020	ACE Installation	Ceremony	To introduce office bearers and train up future leaders
1	05/09/2020	Workshop on Web Designing BASIC – 1 (HTML+CSS)	Value Added Training	To know the basic of web designing.
2	05/09/2020 Saturday	Workshop on "React"	Value Added Training	To understand how react works, learn how to create, and run a react app.
3	12/09/2020	Workshop on Web Designing BASIC – 2 (JavaScript + PHP)	Value Added Training	To know the basic of web scripting and backend.
4	12/09/2020	Workshop on "Angular"	Value Added Training	To understand why and when we use Angular, it's pros and cons, and a develop a basic webpage using angular.
5	19-09-2020	Webinar on "AWS – Cloud Computing"	Enrichment	To gain knowledge on modern cloud platforms and its advantages.
6	26-09-2020	Webinar on "Fundamentals of programming".	Enrichment	To understand the basics of how a program runs.
7	03-10-2020	Workshop "Working with Git and GitHub".	Value Added Training	To provide practical knowledge in Git and GitHub for version control.
8	10-10-2020	Webinar on "Machine Learning and AI"	Value Added Training	To know core concepts of Machine learning and AI
9	17-10-2020	Webinar on "Multimedia"	Enrichment	To know about the major role of computer software's in multimedia.
10	24-10-2020	Webinar on "How to do project Effectively"	Enrichment	To train the students to do the project efficiently

EVEN SEMESTER

s	Date	Program/Activity Name	Type of Program	Objectives
11	19-12-2020	Workshop on Android Apps Development	Value Added Training	To understand the core architecture and life cycle of android, design simple mobile apps.

12	02-01-2021	Webinar on "The world of LINUX"	Enrichment	To provide knowledge on various LINUX distributions, it's file system, and its pros and cons compared to Windows.
13	09-01-2021	Webinar on "Block-chain and Crypto-currency"	Enrichment	To understand how block chain works, and how cryptocurrency is different from normal centralized currency.
14	23-01-2021	Workshop on PHP / J2EE / Oracle / C & C++	Enrichment	To provide knowledge in PHP / J2EE / Oracle / C & C++
15	30-01-2021	Webinar on "Big Data Analytics"	Enrichment	To understand the importance of Big Data Analytics in recent years.
16	04-02.2021	National Level Technical Symposium	Enrichment	To bring out the hidden talents of the students and develop their skills in the latest trends of Information Technology.
17	06-02-2021	Workshop on "Photoshop"	Value Added Training	To know about basic editing options in Photoshop.
18	13-02-2021	Webinar on "Latest Trends in Animation'	Enrichment	To familiarize the students with various approaches, methods and techniques of Animation Technology
19	13-02-2021	Workshop on "Image processing using MATLAB"	Value Added Training	To know about MATLAB application, it's features and perform some image processing.
20	20-02-2021	Workshop on Oracle SQL	Value Added Training	To provide knowledge in SQL, create, update, and delete data from a database.
21	20-02-2021	Workshop on MongoDB	Value Added Training	To know about NoSQL database, perform basic database operations in MongoDB.
22	27-02-2021	Workshop on 3D modelling and 3D printing	Value Added Training	To provide knowledge on designing 3D models.
23	05-03-2021	Conference	Enrichment	To provide platform for students, Professional engineers to present their research findings and delegates to exchange new ideas and their experiences to establish research relations for future collaborations
24	13-03-2021	Webinar on "Internet of Things (IOT)"	Enrichment	To understand the importance of IOT.
25	20-03-2021	Webinar on "Deep Learning and its accelerators"	Enrichment	To understand the one of the applications of AI

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