St. Xavier's
Catholic College of Engineering
Chunkankadai, Nagercoil, Kanyakumari District

TECH BYTES '21

Department of Computer Science and Engineering

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"Engineering is the closest thing to magic that exists in the world."

-Elon Musk

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HOD'S MESSAGE

My hearty congratulations to the association for coming out with the newsletter in the ODD 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

ACE INSTALLATION

The Association of Computer Engineers (ACE) for the academic year 2020-2021 was started with the installation ceremony on 28-08-2021, Friday.

The ceremony began with the prayer song. **Dr. V. Christus Jeya Singh** welcomed the gathering with a pleasant Welcome Address followed by introducing the office bearers by Our HOD, **Dr. R.P. Anto Kumar**. The Annual Plan of ACE for the academic year 2020-21 was presented by **Mr. Tony S**, Secretary, ACE. Our Principal **Dr. J. MAHESHWARAN** and our Bursar **Rev. Fr. Francis Xavier** felicitated the gathering. Then the Presidential address was given by our Correspondent **Rev. Dr. M. MARIA WILLIAM**. Then **Dr. A. Milton**, IQAC Coordinator, presented her formal Vote of Thanks.

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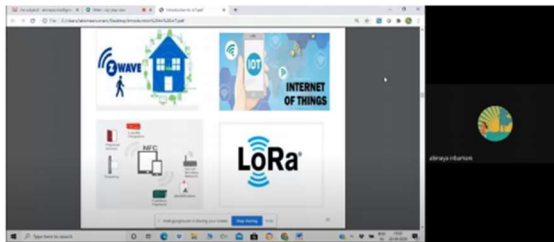
To inculcate ethical values and leadership abilities in the young minds to work with passion and commitment for the progress of the society.
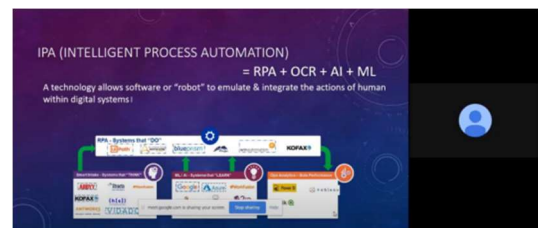
Webinars & Workshop

IoT and its Industrial Applications

A webinar on IoT and its industrial applications was organised for all students on 02/09/2020 between 2:30 PM – 3:30 PM. The session was handled by the Resource Person Prof. Abinaya Inbamani, Assistant Professor, Department of EEE, Sri Ramakrishna Engineering College of Engineering.

Media Analysis

A webinar on Media Analysis was organised for all students on 12/09/2020 between 2:30 PM – 3:30 PM. The session was handled by the Resource Person Mr. Abey George, Team Lead, Capestart.

Intelligent Process Automation & AI/ML

A webinar on Intelligent Process Automation & AI/ML was organised for all students on 16/09/2020 between 3:15 PM – 4:00 PM. The session was handled by the Resource Person Er. A. Raju Siva, Director – Intelligent Process Automation, Cognizant Technology Solutions.

Start-up Entrepreneurship for Beginners

A webinar on Start-up Entrepreneurship for Beginners was organised for all students on 19/09/2020 between 3:30 PM – 4:30 PM. The session was handled by the Resource Person Mr. Arun Rajeev Sankaran, CEO, FinOS.

Business and Operational Support in the Telecom Industry

A webinar on Business and Operational Support in the Telecom Industry was organised for all students on 26/09/2020 between 3:30 PM – 4:30 PM. The session was handled by the Resource Person Ms. Sushma Suresh, Systems Engineer, Infosys Ltd.
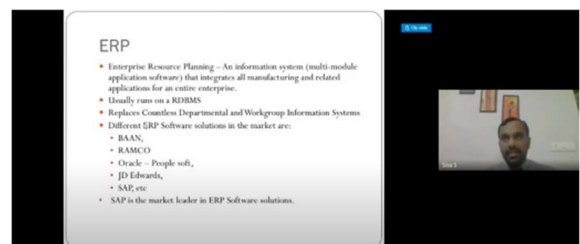

Digital Marketing

A webinar on Digital Marketing was organised for all students on 03/10/2020 between 5:00 PM – 6:00 PM. The session was handled by the Resource Person Er. Christal Lisy C J, Software Analyst, Rexknar Creative Solutions.

DevOps

A webinar on DevOps was organised for all students on 01/10/2020 between 3:15 PM – 4:15 PM. The session was handled by the Resource Person Er. Mohamed Azeem A, Test Lead, Cognizant Technology Solutions.
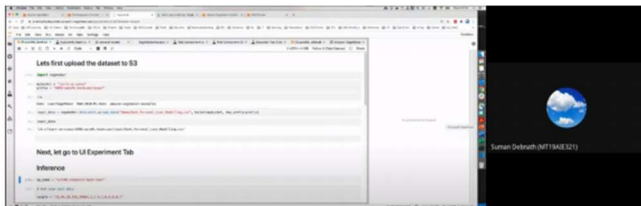

SAP ERP Software

A webinar on Digital Marketing was organised for all students on 10/10/2020 between 5:00 PM – 6:00 PM. The session was handled by the Resource Person Er. Sivathanu Pillai S, Technology Architect, Infosys Ltd.
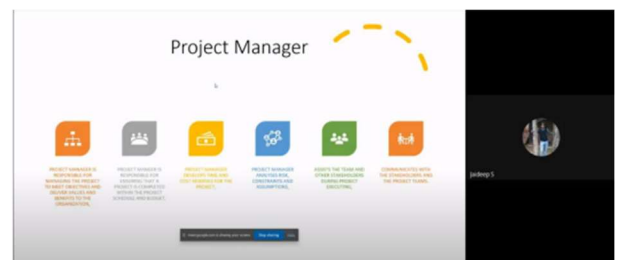
Machine Learning without Code using Amazon SageMaker Autopilot (AWS)

A webinar on Machine Learning without Code using Amazon SageMaker Autopilot (AWS) was organised for all students on 13/10/2020 between 5:00 PM – 6:00 PM. The session was handled by the Resource Person Er. Suman Debnath, Principal Developer Advocate, Amazon Web Services (AWS).
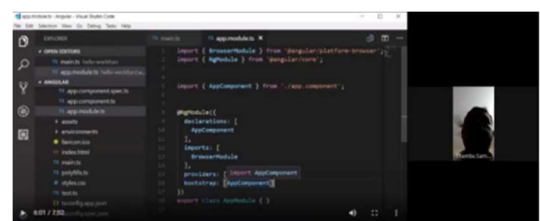

Why Millennials should enhance their Digital Skills and Capabilities?

A webinar on Why Millennials should enhance their Digital Skills and Capabilities? was organised for all students on 17/10/2020 between 5:00 PM – 6:00 PM. The session was handled by the Resource Person Er. Prasannavenkadesh, Senior Business Manager, HCL Technologies.

Project Management in IT

A webinar on Project Management in IT was organised for all students on 31/10/2020 between 5:00 PM – 6:00 PM. The session was handled by the Resource Person Mr. Jaideep Samuel, Senior Project Manager, Maersk Global Services.

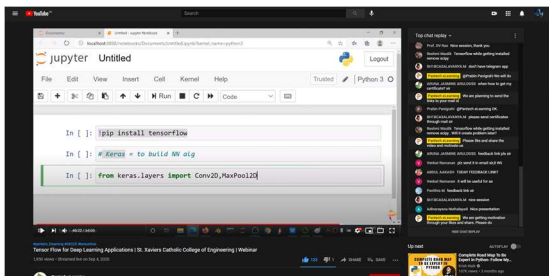## Journey of a Software Engineer and Basic UI design with Angular

A webinar on Journey of a Software Engineer and Basic UI design with Angular was organised for all students on 07/11/2020 between 4:00 PM – 5:00 PM. The session was handled by the Resource Person Er. A. Thambu Samuel, Principal Software Engineer, Finovera.
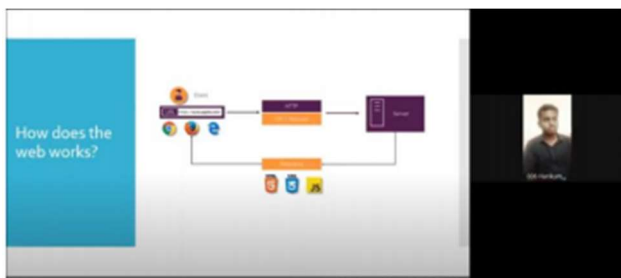
TensorFlow for Deep Learning Applications

A webinar on TensorFlow for Deep Learning Applications was organised in association with **Pantech e Learning** for all students on 04/09/2020 between 4:00 PM – 5:00 PM. The session was handled by the Resource Person Mr. Kamalesh S, Pantech – eLearning.

Web Design

A two-day workshop on Web Design was organised for all students on 11/09/2020 and 23/09/2020 between 2:30 PM – 4:00 PM and 3:30 PM – 5:00 PM respectively. The session was handled by the Mr. Muthu Kumar M Executive Member/ ACE, IV CSE – 'B' and Mr. Aravinth S Member/ ACE, IV CSE – 'B'.

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.

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"**.

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

EDITORIAL COMMITTEE

Staff Editor: Mrs. S. L. Soniya, AP/CSE

Student Editors: Mr. Tony S

Mr. Antony Nitheesh S

Mr. Muthu Kumar M

Ms. Anu Dharshini M A

Mr. Sabarish T M

Ms. Jaisha J

Reach us at:

ace@sxcce.edu.in

Website:

bit.ly/SXCCE-ACE