ST.XAVIER'S
CATHOLIC COLLEGE OF ENGINEERING
CHUNKANKADAI, NAGERCOIL, KANYAKUMARI - 629003

20¹⁹₂₀
VOLUME - II

CYBERBOTS
2020

St. Xavier's Catholic College of Engineering vibrates with the vision of 'Creating a Technically Empowered Humane Society'.It has six undergraduate and twelve postgraduate Programs, besides six University recognized research departments. All the Programs are approved by All India Council of Technical Education (AICTE) and all the UG and MBA programs have permanent affiliation of the Anna University, Chennai. In pursuit of excellence, a quality management system is in place in line with ISO 9001-2000. The college is recognized under 2(f) and 12(B) of the UGC act 1956 from 08-06-2018. Accreditations by NAAC and NBA are the testimony for the quality higher educational service of the college. NAAC accredited the college with grade "A" on 12-09-2017. NBA accredited the UG programs EEE, ECE and ME under tier-II category for the validity period from 2018-2019 to 2020-2021.

The Department of Computer Science and Engineering was established in the year 1998. It offers the best and updated practical training with modern high configuration computing systems to develop high quality, technical and scientific manpower to meet the challenges of the new generation. Dedicated faculty members and availability of latest licensed software provides stimulating atmosphere for the students to excel in all aspects of academic research and to enhance their general skills in logical and analytical understanding. The Department of Computer Science & Engineering also offers a two-year Master degree programme in Computer Science and Engineering with an intake of 18 students since 2010. The students & faculties are free to access the internet, which enables them to prepare papers on the latest technologies to be presented in various symposia, seminars & conferences. The Department lays a lot of emphasis on the fundamentals of computer education and training, so that the students can build up on this strong foundation whichever career path they choose namely teaching, research or industry. A unique feature of the department is the some of the final year projects are being executed like Cloud Computing, Image Processing, Data Mining and Networking. The Department is recognized by Anna University for Ph.D. level research. In order to exhibit the talents of the Department Students, Association of Computer Engineers (ACE) is actively organizing special lectures, power seminars, workshops, symposiums and conferences.

Our Vision

Creating accomplished, innovative and ethical computer professionals.

Our Mission

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

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

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

4. To inculcate ethical values and leadership abilities in the young minds so as to work with passion and commitment for the progress of the society.

CONTENTS

The St.Xavier's Catholic College of Engineering has organized Educational Tour for the final year CSE Students of the Batch 2016-2020 to Agra- Kulu-Manali –Delhi from 25th December 2019 to 03rd Januuary 2020 which consists of 64 students and accompanied and guided by faculty Member Dr. R.P. Anto Kumar, Dr. C. Seldev Christopher, S.A. Anuja, J .Bright Jose and S.T. Sheriba.

The idea of Tour is to plan travel destinations for students with a view to familiarize them with the immense diversity we enjoy. There is no country on earth that offers the visual diversities. North India is well equipped with age old monuments, magnificent Himalaya, deep rooted religious beliefs and modern cities all at the same place. The Tour Trip that is a specially designed educational tour to make our students familiar with India's pride. We started our journey from Nagercoil by Tamil Nadu Express at 07:45 PM on 25th December 2019 and the whole day spent fully in train.

TAJ MAHAL

We reached Agra on on 27-12-2019 at 4:30 pm. The students were taken to shopping in a nearby shop after refreshment. On 28-12-2019 at 10:00 am we visited Taj Mahal, one of the Seven Wonders of the World. Built to hold the body of Shah Jahan's favorite wife who died in childbirth, the structure stands today as a symbol of eternal love.

On a guided tour, you'll admire its legendary shape from a far, and its elegant marble design from up-close. As soon as we left Taj Mahal, had a lunch in Hotel. Later on evening, we started the journey to Manali.

MANALI

On 29-12-2019 we reached Manali at 7:00 pm. Manali hosts a lot of adventure sports like riding the ATV, paragliding and white water rafting in the Beas River at Kullu. Though we had to spend hours in the traffic at times, the wait was worth it. The most exciting activities on the trip were rolling in the zorbing ball at Solang Valley, river rafting, paragliding and the ATV rides! At 5:30 pm we left Manali.

DELHI

At the early morning we started our journey to Delhi from Manali, whole day travel in bus. On 31-12-2019 we reached Delhi at 12:00am. The students were taken to shopping till night 8:00 pm. On 01-01-2020, we visited Indira Gandhi museum at 9:00 am. We saw the site of Indira Gandhi's cremation after her 1984 assassination At 11:00 am, we visited Qutub Minar, the world tallest brick minaret. At 1:00 pm we visited India Gate. At 6:40 pm we left from Delhi by train. We reached Chennai on 02-01-2020 and returned our college through bus We visited great locations, had great fun and each one of us came back with fond memories, gaining a lifetime experience. A big thank you to the teachers for organizing this trip and handling us so well. We thank the management for their full support.
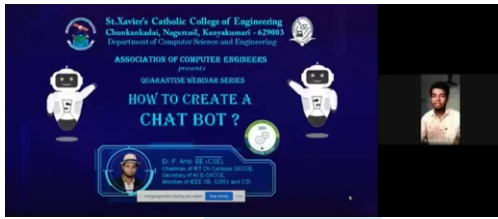
A National Level Technical Symposium BYTES'20 was organized on 06th March 2020. It was initiated with the prayer song. **Dr. R. P. Anto Kumar,** HOD/ Department of CSE welcomed the gathering. The overview of ACE was presented by **Mr. P. Anto**, Secretary of ACE. Presidential address was given by our correspondent Rev**. Fr. Dr. M. Maria William**. The Chief Guest **Mr. D. Gilbert Chandra**, Manager IPRC, ISRO Mahendragiri gave a valuable talk about the rocket propulsion system and shared his experience. The Chief Guest **Mr. P. Santhana Goutham**, Senior Data Engineer, Amazon gave us a motivational speech to achieve our goals. **Dr. J. Maheswaran**, Principal of SXCCE felicitated the gathering. Vote of thanks was given by the faculty advisor of ACE, **Prof. S.L. Soniya**. Students from various colleges like Stella Mary's Engineering College, Ponjesly College of Engineering, Rohini College of Engineering etc., were participated. A technical seminar was conducted for all the students by our chief guest **Mr. D. Gilbert Chandra**, Manager IPRC, ISRO Mahendragiri. At first the paper presentation event was conducted . Almost 16 teams from various colleges were shortlisted and presented their papers. Other events like Poster presentation, Debugging, Quiz, Connectionz, Photography, NFS and Super Mario were also conducted at various venues in our college campus.

A technical seminar was conducted for all the students by our chief guest **Mr. P. Santhana Goutham**, Senior Data Engineer, Amazon in the afternoon session. Connectionz and Quiz final round was conducted afternoon. Prizes and certificates were given to the winners and participants of various colleges. Students who won in intra-department competitions were also appreciated by our department HOD. The function was ended with the National Anthem.

Quarantine Webinar Series

Chatbot Building

On 08 July 2020, 02:00 pm - 03:00 pm Dr.R.P.Anto Kumar, HOD / CSE of SXCCE felicitated the gathering and introduced the resource person. **Er.P. Anto** gave a brief introduction about IBM Watson, a platform to build chatbot and demonstrated how to build and deploy a chatbot. 95 students and faculties participated the webinar.

Alibaba Cloud

On 11 July 2020, 02:00 pm - 03:00 pm Dr.R.P.Anto Kumar, HOD / CSE of SXCCE delivered the welcome address and Mr.P.Anto secretary of ACE introduced the resource person. **Mr.S.Gavaskar** gave a brief introduction about Alibaba Cloud and demonstrated how to create Alibaba cloud account and ECS creation. Ms.Jessica R Sonatta member of ACE delivered the vote of thanks. 92 students and faculties participated.
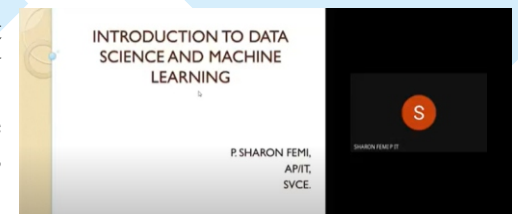
Digital Marketing

On 15 July 2020, 02:00 pm - 03:00 pm Mr. P. Anto, the Secretary of ACE delivered the welcome address and introduced the resource person. Dr.R.P.Anto Kumar HOD / CSE of SXCCE felicitated the gathering. **Ms.J.J.Aancy Dinothi** gave a brief introduction about Digital Marketing and taught us how to reach a large audience through social media. Ms. Rashmi Joint Secretary of ACE delivered the vote of thanks. 80 students participated.
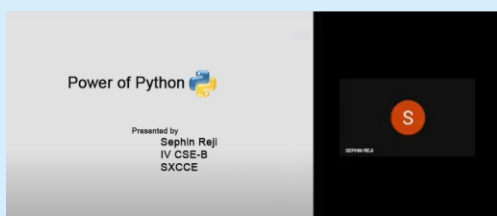
Data Science & ML

On 17 July 2020, 02:00 pm - 03:00 pm Ms. Rashmi R, the Joint Secretary of ACE delivered the welcome address. Mrs.S.L.Soniya faculty advisor of ACE felicitated the gathering and introduced the resource person. Mrs.P.Sharon Femi gave a brief introduction about Data Science and Machine Learning and taught us about different algorithms. 34 students and faculties participated in the webinar and got a clear idea about machine learning.
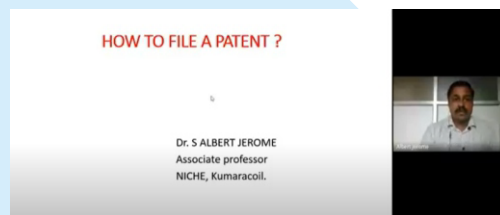
Power of Python

On 22 July 2020, 02:00 pm - 03:00 pm Ms. Rashmi R, the Joint Secretary of ACE delivered the welcome address. Dr. R.P. Anto Kumar, HOD/CSE felicitated the gathering and introduced the resource person. Mr.Sephin Reji gave a brief introduction about python and the features of python. 72 students and faculties participated in the webinar.
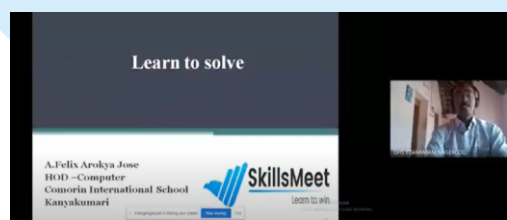
Patent Filing

On 24 July 2020, 02:00 pm - 03:00 pm Ms. R. Adlin Grace, active member of ACE delivered the welcome address. Dr. R.P. Anto Kumar, HOD/CSE felicitated the gathering and introduced the resource person. Dr.S.Albert Jerome gave a brief introduction about filing a patent and taught us the need of filing it. Ms.Abi Sharon member of ACE delivered the vote of thanks. 120 students and faculties attended the webinar.

HOW TO FILE A PATENT ?

Dr. S ALBERT JEROME
Associate professor
NICHE, Kumaracoil.

WEBINAR - VII

Java Programming

Learn to solve

A.Felix Arokya Jose
HOD –Computer
Comorin International School
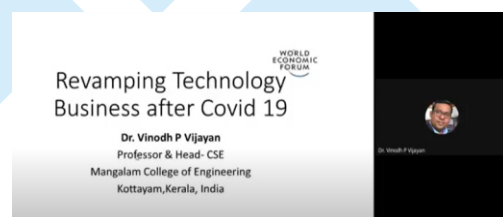Kanyakumari

SkillsMeet
Learn to win.

On 29 July 2020, 02:00 pm - 03:00 pm Ms. Aiswarya V Kishore, member of ACE delivered the welcome address. Mrs.S.L.Soniya faculty advisor of ACE felicitated the gathering and introduced the resource person. Mr.A.Felix Arockiya Jose gave a brief introduction about Java and taught us how to use it. Ms.H.Asifa executive member of ACE delivered the vote of thanks. 50 students and faculties participated in the webinar.

WEBINAR - VIII

Business after COVID 19

On 31 July 2020 02:00 pm - 03:00 pm, Ms. Abi Sharon, executive member of ACE delivered the welcome address. Mrs. Anisha AP/CSE felicitated the gathering and introduced the resource person. Dr.Vinodh P Vijayan gave a brief introduction about the effect of COVID-19 and taught us about the revamping technology business after it. Mr. Anto delivered the vote of thanks. 57 students and faculties participated in the webinar.

WORLD ECONOMIC FORUM

Revamping Technology
Business after Covid 19

Dr. Vinodh P Vijayan
Professor & Head- CSE
Mangalam College of Engineering
Kottayam,Kerala, India

WEBINAR - IX

Database Trends

Database Trends in the Industry

Fleming Joseph
7th Aug 2020

On 07 August 2020 02:00pm - 03:00pm, Ms. Jassica R Sonatta, the member of ACE delivered the welcome address. Mrs.T.S. Sheela Shiney AP/CSE felicitated the gathering and introduced the resource person. Mr. Fleming Joseph gave a brief introduction about Database and it's importance in the industry. Ms.H. Asifa executive member of ACE delivered the vote of thanks. 38 students and faculties participated.

PEO

◎ 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.

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

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