



**Xavier Institute of  
Engineering**



**CSX Beats**

**Computer Society of Xavierites  
Academic Year 2021-2022**



## The Editorial Team



**Prof. Jyotsna More**  
(CSX Convener)



**Prof. Teena Varma**  
(CSX Coordinator)



**Khushboo Chaudhari**  
(Graphic Designer)



**Anurag Singh**  
(Asst. Graphic Designer)



**Shubham Bhattad**  
(Student Convener)



**Diogo Dcosta**  
(Student Coordinator)



**Krishna More**  
(Student Coordinator)





**Fr. Dr. John Rose, SJ**  
**Director, XIE**

Dear Members of CSX,  
It was my dream that XIE forms a Computer Society of Xavierites wherein every member gets an opportunity to bring out his/her talents and contribute to XIE family. It has been achieved with concerted efforts of our Dean, Prof. Kavita jain, who has been giving unconditional support to the talented students of XIE. It is amazing and heartwarming to know that CSX has conducted a number of short term courses contributing to skill development. Bravo. Keep it up.

My full support to all the creative works you do.

**With best wishes,**  
**Fr. Dr. John Rose, SJ.**

Dear Members of CSX,  
A few years ago, we used to ask students about becoming members of the Computer Society of India. Our students after becoming members did nothing substantially. Then we started telling CSX to become more active at XIE.

It has been now greatly achieved and cherished by all the members of CSX. The Computer Society of Xavierites is like a lampstand that sheds light around XIE wherein all others can be enlightened with sound technical knowledge. I encourage all to make use of CSX's activities and become brilliant engineers and take XIE to the next level. I extend my full support to CSX.

**Best.**

**Dr. Y. D. Venkatesh**



**Dr. Y. D. Venkatesh**  
**Principal, XIE**

The main aim of forming Computer Society of Xavierites is to encourage the students for participating in various technical activities and developing their technical skills in this rapidly changing technical era.

CSX organizes different workshops, seminars, talks by industry experts and project competitions every year. CSX gives chance to our own students to share their technical knowledge with other students.

CSX motivate the students who participate in CSX events by giving certificates and different prizes to winners.

As a Dean of Students and Staff welfare, I encourage all the students of XIE to participate in CSX events and be member of CSX committee to gain knowledge and experience



**Prof. Kavita Jain**  
**(Dean, Student's & Staff Welfare)**



Change is the only thing that is constant in today's technological world"

Computer Society of Xavierites (CSX) was formed in August 2018. The objective of CSX is to increase technical knowledge among Xavierites. All students are encouraged to join CSX. This forum provides an opportunity to our students to build on existing skills and imbibe new ones. You can be a workshop speaker, organizer or coordinator: This group will increase self-confidence and provide a platform for technical interaction both inside and outside the Institute. It includes activities such as guest lectures, workshops, project exhibitions, competitions and many more. CSX nurtures and moulds the students to enter and compete in the rapidly changing technical arena.

**Prof. Jyotsna More  
(CSX Convener)**

Collaboration allows to capture each other's fund of collective intelligence. Computer Society of Xavierites (CSX) is one such collaboration and as a team it believes if everyone is moving forward together, then success takes care of itself. In Pandemic, CSX has provided a positive lesson that it is still possible to conduct concerted activities. The primary focus is to impart technical know how to students and promote their problem solving skills through Seminars addressed by Industry Experts and various Technical Competitions. CSX looks forward to contribute in addressing the technological challenges with an active participation from all the students.

We wish Triumph!



**Prof. Teena Varma  
(CSX Coordinator)**

## Our Committee



**Prof. Jyotsna More**  
(CSX Convener)



**Prof. Teena Varma**  
(CSX Coordinator)



**Diogo Dcosta**  
(Student Coordinator)



**Shubham Bhattad**  
(Student Convener)



**Krishna More**  
(Student Coordinator)



**Khushboo Chaudhari**  
(Graphic Designer)



**Anurag Singh**  
(Asst. Graphic Designer)



## Our Committee



**Yash Chitroda**  
(Committee Member)



**Utkarsha Gharat**  
(Committee Member)



**Aditya Bohade**  
(Committee Member)



**Dallas Vaz**  
(Committee Member)



**Atharva Mestry**  
(Committee Member)



**Shaun Noronha**  
(Committee Member)



**Anisha Prabhu**  
(Committee Member)



**Yulette Alvares**  
(Committee Member)



**Prithvi Badipuram**  
(Committee Member)



**Bhanu Shukla**  
(Committee Member)

## Our Vision



## Our Mission

### XIE

To nurture the joy of excellence in a world of High technology.

To strive to match global standards in Technical education by interaction with Industry, continuous staff training and Development of quality of life.

### Information Technology Department

To nurture the joy of excellence in the world of Information Technology.

**M1:** To develop the critical thinking ability of students by promoting interactive learning.

**M2:** To bridge the gap between industry and institute and give students the kind of exposure to the industrial requirements in current trends of developing technology.

**M3:** To promote learning and research methods and make them excel in the field of their study by becoming responsible while dealing with social concerns.

**M4:** To encourage students to pursue higher studies and provide them awareness on various career opportunities that are available.

### Computer Engineering Department

To nurture the joy of excellence in a world of Computer Engineering.

**M1:** To provide students the knowledge of Computer engineering with related technical Skills to solve various computer engineering Problem and to have industry interaction.

**M2:** To motivate the students to acquire world of computer engineering additional soft Skills to sharpen their technical and Professional skills that make them employable.

**M3:** To nurture social and professional ethics in our undergraduate and encourage them to have lifelong learning.



## Program Educational Objective (PEOs)

### INFORMATION TECHNOLOGY DEPARTMENT

**PEO1:** Information Technology Engineering Graduates shall be employed as IT professionals, and shall engage themselves in learning, understanding, and applying newly developed ideas and technologies as their field of study evolves.

**PEO2:** Information Technology Engineering Graduates shall be competent to use the learnt knowledge successfully in the diversified sectors of industry, academia, research and work effectively in a multidisciplinary environment.

**PEO3:** Information Technology Engineering Graduates shall be aware of professional ethics and create a sense of social responsibility in building the nation/society.

### COMPUTER ENGINEERING DEPARTMENT

**PEO1:** To provide the students with the required knowledge of computer engineering, to design and develop systems that can cater to a multi-disciplinary environment.

**PEO2:** To motivate the students in the art of self-learning to use the modern tools in solving computer engineering problems.

**PEO3:** To encourage, motivate and prepare students in the field of computer engineering to have lifelong-learning in the global and social context.

**PEO4:** To inculcate professional and ethical attitude with good leadership qualities and have commitment to social responsibilities in their thought process.

# CYBER THREAT & INTELLIGENCE

**XAVIER INSTITUTE OF ENGINEERING**

**CYBER THREAT INTELLIGENCE**

Let's Talk About Technology

>"It takes 20 years to build a reputation and few minutes of cyber-incident to ruin it."

>"The five most efficient cyber defenders are: Anticipation, Education, Detection, Reaction and Resilience."

>"Do remember: "Cybersecurity is much more than an IT topic."

**10th October, 2021.**  
11:00 - 12:30 pm

**Mr. Nitin Pandey**  
Cyber Consultant, Uttar Pradesh Police.

For any queries contact:-  
Kishan Chaudhary: 7391032148 Anurag Singh : 9052414083

**Date :** 10<sup>th</sup> October, 2021.

**Time:** 11:00 am – 1:30 pm

**Venue:** Zoom Platform

**Total no. of participants:** 80

**Objective:** With the motive of encouraging students to get the knowledge of cyber security and to spread awareness how dangerous cyber threat can be harm to one,

## **Resource Person:**

Mr. Nitin Pandey

(Cyber Consultant Uttar Pradesh Police)

The event was conducted at the platform zoom. The event started with the prayer and after that “Fr. John Rose” shared his views on cyber security followed by “Principal Y.D Venkatesh” after that there was a brief introduction about the speaker “Mr. Nitin Pandey” the webinar started at 11:15. The speaker started with the Introduction about the topic “Cyber Threat & Intelligence” with the flow of the webinar he provided us the real life-time examples which was very attracted and with this the participants was also engaged and he even shared how a person can pursue his/her career in “Cyber Security” in the government organization like “DRDO, CBI, NIA, IB, etc.”\_The webinar was liked by every participant. At the end there was a Q&A session for participants with the speaker where participants can ask his/her doubt on the webinar.

## HACK-2-CRACK



**Date :** 06<sup>th</sup> December, 2021.

**Time:** 5:00 pm – 7:00 pm

**Venue:** Google Meet and  
Hacker Rank

**Total no. of participants:** 13

**Objective:** With the motive of encouraging students to get the Knowledge of competitive coding, a competition “HACK-2-CRACK”

The event was conducted on the Hacker Rank platform for the competition and Google Meet platform for proctoring. The event started sharp at 5pm with the participants joining a meet in which they were instructed all the rules for the competition. The participants were then called in a separate individual meet by the volunteers where proctoring was done on then by sharing their screen and switching their camera on during the competition. The competition was started sharp at 5:30pm. The participants had total 1 hour to complete 6 question varying in difficulty and point starting with easy difficulty followed by moderate and then by hard. A total of 1500 points were allotted to the questions.

The winners of this Hackathon were Kriti Goel from BE EXTC, Vrishab Shetty from TE COMPS and Kavita Sharma from BE EXTC who bragged the 1st, 2nd and 3rd place respectively.



# PATH FOR PYTHON

XAVIER INSTITUTE OF ENGINEERING  
COMPUTER SOCIETY OF XAVIERITES

GUEST SPEAKER  
HIMANSHU GHARAT

PATH FOR PYTHON  
ONE DAY WORKSHOP

Saturday | 10:00 AM-1:00 PM | 15<sup>th</sup> JAN

REGISTER NOW

For More information contact us  
1. YASH CHITRODA : 7977582007  
2. UTKARSHA GHARAT : 9307256998

**Date :** 15th January 2022.

**Time:** 3:30 pm

**Venue:** Zoom platform

**Total no. of participants:** 207

**Objective:** With the motive of encouraging students to gain knowledge about python, the workshop “PATH FOR PYTHON” was organized for all the students of XIE

The virtual workshop started at 3:30pm with a welcome speech which was given by Utkarsha Gharat (TE IT) to Mr. Himanshu Gharat from BE-IT and all the participants. The resource person Mr. Himanshu Gharat reflected his profound knowledge on the python language and highlighted how important python is in the field of software development. The workshop began with the basic introduction of python. All the concepts were explained through google Collab. Google Collab was used so that each and every code would be executed in front of the participants and it would give more clear insight to them. Firstly, datatypes were explained so that they could get idea of what are the various datatypes in python. Thereafter various topics such as variables, operators, data structures, tuple, list, dictionaries, sets, loops, etc. were explained by Himanshu in depth. While the speaker was teaching the CSX Coordinators were keeping an eye on the chat box so that all the doubts of the participants would be cleared.

## RAPID THINKER



**Date :** 22nd January, 2022.  
**Time:** 3:00 pm – 6:00 pm  
**Venue:** Zoom and JustBuzz.in  
**Total no. of participants:** 34  
**Objective:** With the motive of encouraging students to get think and act rapidly, a competition “RAPID THINKER” was conducted for all year’s students of XIE on 22nd January, 2022.

The participants were separated into 3 different batches i.e.. FEs, SEs and TEs & BEs. The event was conducted on the Zoom platform and for proctoring different rooms were created in the meet. Since there were many participants from the Fes they were further divided into groups and the two participants with maximum score in each group were advanced to the final round. The event started sharp at 3pm with the participants joining a meet in which they were instructed all the rules for the competition. Before sending the into different rooms where two volunteers were going to proctor them, the rules of the event were explained and the participants were asked to keep their second device for the buzzer ready. The participants were asked to switch their camera on during the competition so that they can be proctored. In the rooms one of the volunteers shared the ppt with all the questions while the other volunteer was monitoring the buzzing system.

The winners of this competition are :

FE-1st place: Pon Adityan Jeyamurugan ; Runner up: Mark Fernandes  
 SE-1st place: Trupti Pawar (SE-IT); Runner up: Vanraj Pardeshi (SE-IT)  
 TE and BE-1st place: Rahul Gaikwad (TE-IT); Runner up: Ajit Jena (TE-IT)

# COMPUTER ASSEMBLY



**Date :** 5th February, 2022.

**Time:** 12:00 pm – 2:00 pm

**Venue:** Zoom platform

**Total no. of participants:** 60

**Objective:** With the motive of encouraging students to gain knowledge about assembling computers, the “COMPUTER ASSEMBLY WORKSHOP” was organized for all the students of XIE on 5th February 2022.

The virtual workshop started at 12:00 noon with a welcome speech which was given by Krishna More (TE IT) to Mr. Nandesh Raturi and all the participants. The resource person Mr. Nandesh Raturi reflected his profound knowledge of the computer components. The workshop began with the basic introduction of computers. All the concepts were explained with the help of PPT and Live demonstration. Firstly, all the basic components and their working was explained so that participants could understand the basic structure of a computer. Thereafter various other complex components such as heat-sinks, north-bridge, south bridge, etc. were explained in depth. While the speaker was teaching the CSX Coordinators were keeping an eye on the chatbox so that all the doubts of the participants would be cleared.

An interactive session was conducted in the end that ignited the inquisitiveness of participants and everyone felt more such technical workshops should be organized.



# BLOCKCHAIN

**XAVIER INSTITUTE OF ENGINEERING**  
**COMPUTER SOCIETY OF XAVIERITES**

## INTRODUCTION TO BLOCKCHAIN TECHNOLOGY

Date: 05 March, 2022.  
Time: 05:30 PM

**FREE ENTRY!!!**

**FOR ANY QUERIES**  
Dallas : +91 95032 89990  
Shaun : +91 99308 68038

**Speaker**  
Shradha Khapra

Register now:  
<https://forms.gle/sLNDRFXgkcsbDGxAA>

**Date :** 5th March, 2022.  
**Time:** 5:30 pm – 7:30 pm  
**Venue:** Zoom platform  
**Total no. of participants:** 59  
**Objective:** With the motive of encouraging students to gain knowledge of blockchain technology and to give a gist about how it works, a webinar “BLOCKCHAIN TECHNOLOGY” was conducted for all year’s students of XIE on 5 March, 2022.

The webinar commenced by 5.40 pm with the guest speaker Ms Shradha Khapra being introduced by the event coordinator. The speaker then went on to introduce the topic of blockchain technology and its application. Students actively participated in this event by interacting with the speaker. The event progressed with the speaker also sharing knowledge about other fields. The webinar was then opened for questions for the attendees and all of them being answered by the guest speaker.

Finally it was time for the webinar to end at 7.30 pm by the student coordinator giving a Vote of Thanks to Ms Shradha. The overall participation for this event was positive and students were given the chance to gain knowledge effectively.

# ENGINEERING & CORPORATE LIFE

**XAVIER INSTITUTE OF ENGINEERING**  
COMPUTER SOCIETY OF XAVIERITES

**ENGINEERING & CORPORATE LIFE**

Saturday, 26<sup>th</sup> March  
10:00 AM - 12:00 PM

**Quotes**

"You don't have to worry about being a number one, number two, or number three. Numbers don't have anything to do with placement. Numbers only have something to do with repetition."

**Our Speakers**

- Archana Sahoo**  
BE in COMPS from XIE
- Pranay Malusare**  
BE in EXTC from XIE
- Abhishek Sharma**  
BE in IT from XIE

**About the Webinar**

- Interview Preparation Skills, Technical Interviews, Coding round and about this in more detail.
- A deep insight in the interview process, Building the skills to ace your interview.
- Live Question & Answer Sessions.

**For More Info:**  
Atharv Mestry: 916712646  
Aditya Bohade: 776894982

xie-csx@xavier.ac.in | xiecsx

**Date :** 26th March, 2022.  
**Time:** 10:00 am – 12:00 pm  
**Venue:** Zoom platform  
**Total no. of participants:** 22  
**Objective:** With the motive of encouraging students to get insights into the interview process, a webinar “ENGINEERING AND CORPORATE LIFE” was conducted for all year’s students of XIE on 26th March 2022.

The resource speakers were Mr. Pranay Malusare, Ms. Archana Sahoo, and Mr. Abhishek Sharma reflected their extensive knowledge about the interview procedure. The webinar began with an introduction to the interview process. All the insights were explained by speakers from their past experiences. Zoom platform was used so that every participant can easily interact with speakers. Each interview round was gradually explained, Assessment test, Technical Round, Group Interview, and HR Round. While the speakers were elaborating, the CSX Coordinators were keeping an eye on the chat box so that all the doubts of the participants would be cleared. An interactive session was conducted and in the end that ignited the inquisitiveness of participants and everyone felt more such webinars should be organized. The informative webinar culminated with a vote of thanks proposed by Aditya Bohade (TEIT).

# WIZARD OF CREATION



**Date :** 22nd April, 2022.

**Time:** 9:00am - 11:00am

**Venue:** Seminar Hall

**Total no. of participants:** 21

**Objective:** With the intention to recognize and reward hard work and talent, and to inspire students, “Wizards of Creation – A Mini Project Exhibition + Competition” was organized for the SE and TE students of XIE on 22nd April 2022.

The event was the first offline event for the academic year 2021-22. The event commenced at 9am with an inspiring speech delivered by our Director Fr. Dr. John Rose (SJ) followed by motivating words from Fr Dr Thomas Schwarz. Participants put forward projects under the categories of hardware based projects and software based projects. The event proceeded with the judges reviewing each participating group's projects while asking them a series of questions about their work. The winners of this mini project competition were selected from each of the categories:

## Hardware:

1st Prize: 1. Aditya Waichol  
2. Rahul Vijan  
3. Abhishek Singh

2nd Prize: 1. Sushree Nadiminty  
2. Angelica Sebastian  
3. Melita Lewis

## Software:

1st Prize: 1. Danyl Fernandes  
2. Gandharv More  
3. Mathew Phillip

2nd Prize: 1. Maseeh Khan  
2. Aditya Nariampally  
3. Ajit Jena