



Xavier Institute of Engineering



COMPUTER SOCIETY OF XAVIERITES (CSX)

ACADEMIC YEAR 2019-2020 (odd semester)



CSX Editorial Team



Prof. Jyotsna More (CSX Convener)



Mr. Rimson Saviour



**Ms. Divyani Sutar
(TE-IT)**



**Ms. Remica Sequeira
(TE-IT)**



**Ms. Merlyn
Koonamparampath
(SE-IT)**



**Ms. Bhumi Tejani
(TE-IT)**

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. Meena Ugale, 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.



Fr. Dr. John Rose S.J.
(Director XIE)

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, PhD



Dr. Y.D. Venkatesh, PhD
(Principal XIE)

Dear Members of CSX,

The idea to form Computer Society of Xavierites is to encourage the students to learn the different technologies and use them in designing different projects. CSX is the platform where students learn, contribute and share their technical knowledge. CSX gives students the experience of being a workshop speaker, organizers, volunteers and attendees. CSX promotes different technical activities such as seminars, guest lectures, workshops, project competitions, etc. I wish more and more students get benefited from CSX activities.

“Learning gives creativity, Creativity leads to thinking

Thinking provides knowledge

Knowledge makes you great.”- A.P. J. Abdul Kalam



Prof. Meena Ugale
(Dean, Students' & Staff Welfare)

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



Prof. Jyotsna More
(CSX Convener)

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.

Computer Society of XAVIERITES (CSX) allows students to exchange views, information and share ideas of current technology among themselves. The main purpose of CSX is to enhance technical knowledge of the students of Xavier Institute of Engineering. It is platform for the students to learn the technologies. Also, the students are also encouraged to deliver workshops as a resource person.



Prof. Kunal Meher
(CSX President)

"Anyone who stops learning is old, whether at twenty or eighty." –Henry Ford

Committee Staff Members:



Prof. Meena Ugale
Dean Students' and
Staff Welfare



Prof. Jyotsna More
CSX Convener



Prof. Kunal Meher
CSX President

Committee Student Members:



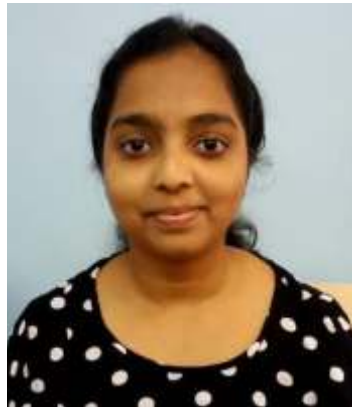
Shrishti Karkera
CSX President
(TE-IT)



Yeshwin Anil
CSX Treasurer
(TE-COMPUTER)



Archana Sahoo
Committee Member
(TE-COMPUTER)



Divyani Sutar
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Remica Sequeira
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Nirali Shah
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Mukesh Parmar
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Bhumi Tejani
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(TE-IT)



Pratik Zinjad
Committee Member
(TE-COMPUTER)

Committee Student Members:



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Janhvi Mathkar
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Himanshu Gharat
Committee Member
(SE-COMPUTER)



Nikhil Lad
Committee Member
(SE-COMPUTER)



Srushti Rane
Committee Member
(SE-COMPUTER)

Vision & Mission

VISION OF XIE

To nurture the joy of excellence in a world of high technology

MISSION OF XIE

To strive to match global standards in technical education by interaction with industry, continuous staff training and development of quality of life

VISION OF IT Department

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

MISSION OF IT Department

M1. To develop the critical thinking ability of students by promoting integrative learning.
M2. To bridge the gap between industry and institute by giving students exposure to industrial demands and current trends.
M3. To promote excellence in learning and research, and to be responsible when dealing with social concerns.
M4. To encourage students to pursue higher studies and make them aware of various career opportunities.

VISION OF COMP. Department

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

MISSION OF COMP. Department

M1: To generate high quality professionals with emphasis on global standards of Computer Science and Technology
M2: To prepare industry-ready students by providing training in line with industrial requirements
M3: To nurture social and ethical values in undergraduates to help them to improve quality of life.

EVENTS

Workshop on Java



Date: 27th and 28th July 2019

Time: 9.30pm to 4.30pm

Venue: Computer Center, 1st floor, Xavier Institute of Engineering, Mumbai.

Total no. of participants: 47

Objective: This workshop was conducted for SEs and TEs, aiming at introducing students to the conceptual basics of Java and the various class libraries, methods and so on.

Resource Persons :

Shivang Medhekar (BE COMP)
Elton Lemos (BE COMP)

Co-ordinators :

Shrishti Karkera (TE IT)
Yeshwin Anil (TE COMP)
Archana Sahoo (TE COMP)
Raj Joshi (TE IT)
Prajakta Pednekar (BE IT)



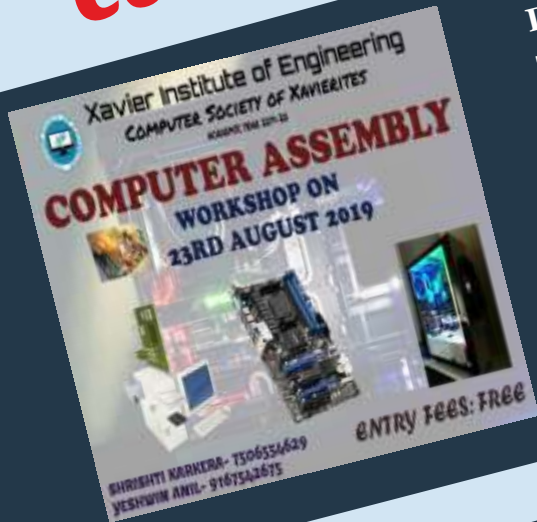
The speakers covered the following topics

during the workshop:
Basics of java., Java in terminal/cmd compile and run, Java IDE, Data types and keywords, Operators and variables, Input-output, Control statements (if else, switch, while loop, do-while loop, for loop, for-each loop), Methods and fields, String and string builder, Arrays (one dimension, multidimensional, methods), ArrayList, LinkedList, Vectors, Debugging in IDE, Classes and objects, Method overloading, Inheritance, Abstract class, Interface, Polymorphism, Access modifiers, Exception handling, Multi-Threading.



Overall, the workshop was a great success and from the feedback received, majority of the students found it to be very useful. The speakers were also appreciated for the delivery of the contents.

Workshop on Computer Assembly



Date: 26th August 2019

Time: 4.30pm to 5.30pm

Venue: Computer Center, 1st floor, Xavier Institute of Engineering, Mumbai.

Total no. of participants :47

Objective: This workshop was conducted for FEs and SEs, aiming at introducing students to the structural basics and functionality of a computer system.

Resource Persons :

Mr. Anand P.

Abhishek Sharma (TE IT)

Co-ordinators :

Shrishti Karkera (TE IT)

Bhumi Tejani (TE IT)

Himanshu Gharat (SE IT)

Abhiruchi Patil (SE COMP)

Janhvi Mathkar (SE COMP)



The speakers covered the following topics during the workshop:

1. Disassembling the units of the cabinet.
2. Detail study of the cabinet.
3. Study of the motherboard.
4. Uses and purpose of each.
5. Brief introduction of the family currently viewing (the CPU).
6. Assembling the units back.



Towards the end, the speakers encouraged the students learn more about the topics discussed during the workshop through different means like the internet and the books. Overall, the workshop was a great success and from the feedback received.

Workshop on Android Application



Date: 31st August 2019 and 1st September 2019
Time: 9.30am to 4.30pm

Venue: Software lab, 1st floor, Xavier Institute of Engineering, Mumbai.

Total no. of participants: 58

Objective: This workshop was conducted for TEs and BEs of COMPS and IT department, aiming at introducing students to the basics of android application and development. Android Studios software was shared amongst the students for this workshop.



Resource Persons :

Dipesh Patil (BE COMP)
 Suraj Gaikwad (BE IT)
 Shivang Medhekar (BE COMP)

Co-ordinators :

Shrishti Karkera (TE IT)
 Yeshwin Anil (TE COMP)
 Archana Sahoo (TE COMP)
 Divyani Sutar (TE IT)
 Remica Sequeira (TE IT)
 Mukesh Parmar (TE IT)
 Brinsley Demenezes (TE COMP)

The speakers covered the following topics during the workshop:

1. Installation of Android studios.
2. Installation of gradle.
3. Brief introduction of the different views available.
4. Difference between coding and the drag and drop feature.
5. Updating android studios.
6. Downloading the apk file and viewing from an android device.
7. Fragments.
8. Playing pausing and stopping audio / video.
9. Database(sqlite).



By the end of the workshop, students were able to create an android application on their own. The workshop was overall, a huge success and the students gave a positive feedback about the speakers and the workshop

Workshop on Web Development



Date: 15th and 16th of September 2019
Time: 9:30am to 4:30pm

Venue: Computer center, 1st floor, Xavier Institute of Engineering, Mumbai.

Total no. of participants: 35

Objective: This workshop was conducted for FEs, SEs and TEs, aiming at introducing students to the basics of web application and development



Resource Persons :

Mukesh Parmar (TE IT)
Nirali Shah (TE IT)
Saumya Deshmukh (TE IT)

Co-ordinators :

Shrishti Karkera (TE IT)
Yeshwin Anil (TE COMP)
Archana Sahoo (TE COMP)
Divyani Sutar (TE IT)
Remica Sequeira (TE IT)
Bhumi Tejani (TE IT)
Pratik Zinjad (TE COMP)



The speakers covered the following topics during the workshop:

1. Client and server side languages.
2. Basics of HTML.
3. Basics of CSS.
4. Bootstrap classes.
5. Basics of PHP.
6. SQL queries.
7. Connection between PHP and MySQL database.
8. Insertion and retrieval of data via the connection.

By the end of this workshop, the students were able to create their own website from scratch. They were also able to create databases and connect it to their web applications and perform various queries.

Workshop on Ethical Hacking



Date: 28th and 29th September 2019

Time: 9.30am to 4.30pm

Venue: Computer Center, 1st floor, Xavier Institute of Engineering, Mumbai.

Total no. of participants :41

Objective: This workshop was conducted for SEs and TEs, aiming at learning simple hacking technics introducing students to the basics of Ethical Hacking.

Resource Persons :

Abhishek Singh (TE IT)

Achyuth Maddirala (TE IT)

Co-ordinators :

Neha Kesarkar (TE COMP)

Nikhil Lad (SE COMP)

Baljot Singh Kohli (SE IT)

Bhavin Jain (SE IT)



The speakers covered the following topics during the workshop:

Introduction of ethical hacking, Indian Cyber Law, Foot printing, Scanning and Enumeration, System Hacking, Malware, Sniffers, Social Engineering, Denial service, Session hijacking, ARP attacks, Phishing, Web Application penetrations, SQL injection, Hacking windows, Cracking software, Mobile hacking, Bluetooth hacking, Security tips.

By the end of the workshop, students were

able to create an android application on their own.

The workshop was overall, a huge success and the students gave a positive feedback about the speakers and the workshop.

