



St. XAVIER'S
CATHOLIC COLLEGE OF ENGINEERING
(Autonomous)

Chunkankadai, Nagercoil - 629003
Kanyakumari District, Tamil Nadu

Approved by AICTE & Affiliated to Anna University, Chennai
Accredited with 'A' Grade by NAAC
UG Programs(ECE, EEE, Mech, Civil, CSE & IT) Accredited by NBA
Recognized under section 2(f) & 12(B) of UGC Act, 1956
UG Programs(ECE, EEE, Mech, Civil, CSE & IT),
MBA & MCA Programs Permanently Affiliated

Department of Humanities & Science
Commitment towards excellence

NEWSLETTER





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DEPARTMENT OF HUMANITIES & SCIENCE

COMMITMENT TOWARDS EXCELLENCE

NEWSLETTER

2023 - 2024

ST. XAVIER'S CATHOLIC COLLEGE OF ENGINEERING
CHUNKANKADAI, NAGERCOIL-629 003

(Affiliated to Anna University, Chennai)

DEPARTMENT OF HUMANITIES AND SCIENCES

Commitment towards excellence

The department of Humanities and Sciences of St.Xavier's Catholic College of Engineering give importance to impart excellent technical knowledge to install in to the young minds a wide perspective of social and spiritual values. It is a welcoming place with a purposeful atmosphere appropriate for learning mingled with cultural and moral. It provides endless opportunity for individual personality development through enrichment activities, extension activities educational visits and sports. This letter of our department outlines the multidimensional aspects carried out during the year 2019-2020.

Vision of our department

To serve as a forum for enriching the knowledge of the students in humanities and science arena to excel in engineering education that would bring technology and society.

Mission of our department

The department of humanities and sciences seeks to lay a strong foundation in basic sciences and basic engineering, besides developing competency in English language skills and also to mould the fresher's in to wholesome personalities through enriching and motivational programmes and there by assisting them realize their inner potential and the commitment to society.

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INTERNAL ASSESSMENT EXAMINATION (ODD SEMESTER)

First Internal Assessment Test	04-11-2024 to 13-11-2024
Second Internal Assessment Test	27-11-2024 to 10-12-2024
Model Practical Examinations	12-12-2024 to 18-12-2024
Model theory Examinations	02-01-2025 to 10-01-2025

INTERNAL ASSESSMENT EXAMINATION (EVEN SEMESTER)

First Internal Assessment Test	26-03-2025 to 07-04-2025
Second Internal Assessment Test	29-04-2025 to 09-05-2025
Model Practical Examinations	12-05-2025 to 19-05-2025
Model theory Examinations	21-05-2025 to 30-05-2025

OFFICE BEARERS

President - **Dr. J.Judson, First year Co-ordinator/HSc**

Faculty Advisor - **Ms. S. Asha Alice, Asst. Prof./HSc**

Secretary - **Ms. Ameera Fathima H - CSE- A**

Joint Secretary - **Ms. Absara C S - IT**

Treasurer - **Mr. Jothish J S - MECH - A**

Executive members - **Mr. Rayaana Shahul Hameed- MECH - B**

Mr. Aldo Geo Jevin J - CIVIL

Ms. Valana Mary A - ECE- B

Ms. Ashmi S - ECE- A

Mr. Mohamed Fadil M - EEE

Mr. Joel R - CSE -B

Mr. Joshan Richard J V- AIDS

St. Xavier's Catholic College of Engineering

Department of Humanities and Sciences

SHAX 2023-2024 Year Plan

Date	Program/Activity Name	Objectives	Beneficiaries
26/06/2023	Bridge course	To connect +1 and +2 modules with Engineering education	First year students
18/08/2023	Orientation Programme	understand the youth better and serve the teaching profession with dedication	staff
30/08/2023	Student Induction Programme	Exposing the students to college environment	First year students
09/09/2023	Inaugural ceremony of the 26th batch	Exposing the students to know the college activities	Students and parents
15/10/2023	Higher order Thinking Course	To develop the creative and critical thinking skills	First year students
30/11/2023	SHAX Installation	Introducing new office bearers & its activities	First year students
01/12/2023	Parent Teachers Interaction	Understanding between parents and teachers	First year students and parent
07/03/2024	Tech Fest Competitions	To improve their life skills and values	First year students
22/03/2024	Industrial visit	To acquire basic science knowledge	First year students
27/04/2024	Technical seminar on Principles of flight	To acquire technical knowledge	First year students
07/05/2024	Industrial visit	To acquire basic science knowledge	First year students

Bridge Course (2023-2024)

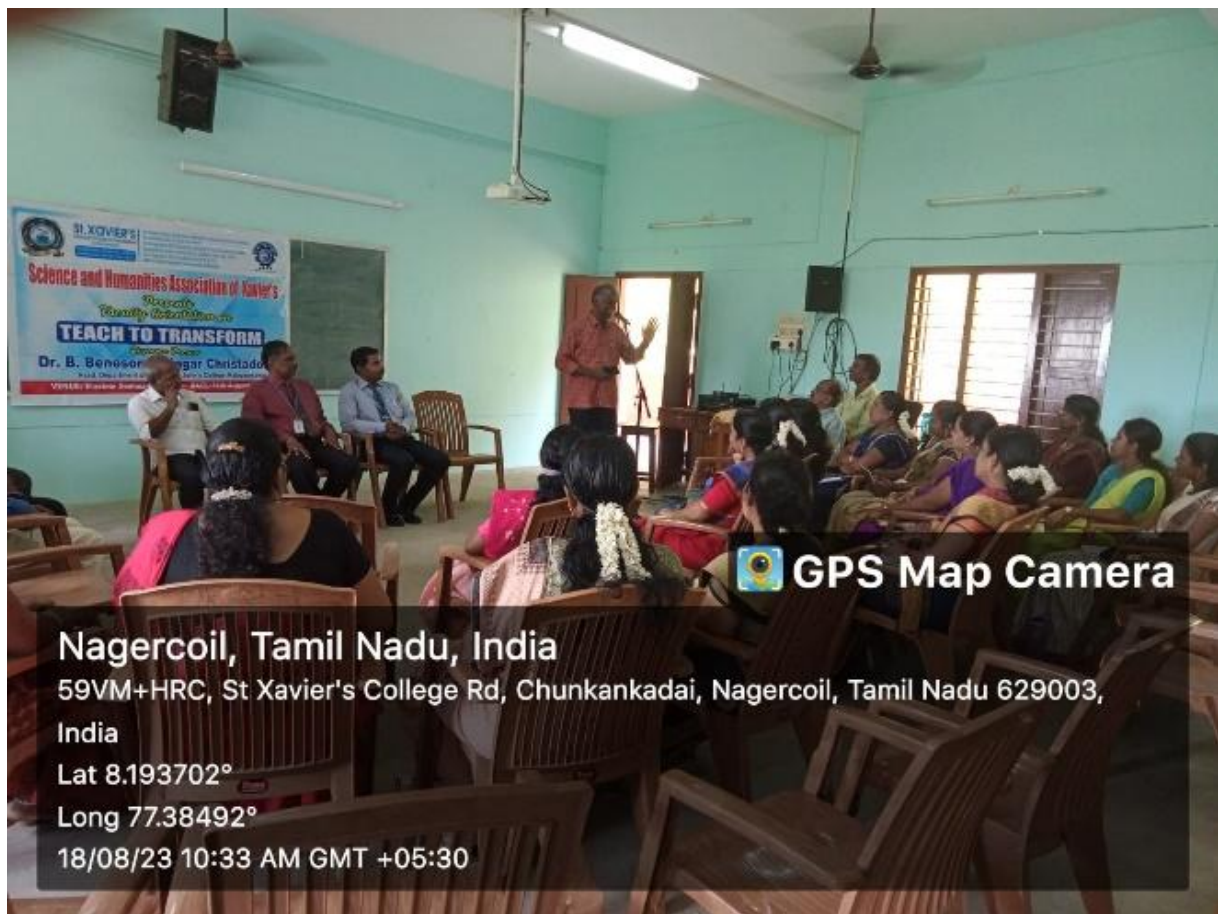
The Department of H&Sc has conducted the Bridge Course for the First year newly admitted students from 26th June to 7th July 2023. The Program was conducted in offline mode. The branches involved are Electronics and Communication Engineering (ECE), Computer Science Engineering (CSE), Information Technology (IT), Electrical and Electronics Engineering (EEE), Mechanical Engineering (MECH), Civil Engineering (CIVIL), and Artificial Intelligence and Data Science (AI&DS). Within these allotted days, 54 sessions were conducted for the students. 12 sessions were allotted for English, 12 for Mathematics, 12 for Physics and 12 for Chemistry. In addition, two sessions were allotted for Self Evaluation as motivation class and 4 sessions were allotted for sports, library and departmental activities. On the last day of the course students feedback was collected and assessment was also done.






Orientation on “Teach to transform”

With a view to augmenting and updating the knowledge and methods of teaching and learning, the Training and Placement Cell in coordination with the Department of Humanities and Sciences organized an orientation programme for the staff of the dept. of H&Sc on “Teach to transform”. The main objective of the seminar is to make the staff to understand the youth better and serve the teaching profession with love and dedication. The session started with the inauguration ceremony at 10 a.m. Rev Fr. Dr. M. Maria William spoke about the importance of the session. Dr. J. Maheswaran, Principal felicitated the gathering. Dr. James Ligorias, introduced the chief guest. The resource person Dr.B.Beneson Thilagar Christadoss gave orientation about signposts, temporary and permanent values, 7 steps in importing values on others life and 4 p’s model of mentoring. Fruitful feedbacks were given by the staff members. The entire session was useful and interactive.



 **GPS Map Camera**

Nagercoil, Tamil Nadu, India

59VM+HRC, St Xavier's College Rd, Chunkankadai, Nagercoil, Tamil Nadu 629003,
India

Lat 8.193702°

Long 77.38492°

18/08/23 10:33 AM GMT +05:30

Students Induction Program (2023-2024)

Transition from school to college life is one of the most challenging events in a students' life. When new students enter an institution, they come with diverse thoughts, backgrounds and preparations. Induction Program helps students to open up, think creatively, become responsible and independent students.

The Purpose of Student Induction Program is to help new students adjust and feel comfortable in the new environment, inculcate in them the ethos and culture of the institution, help them build bonds with other students and faculty members, and expose them to a sense of larger purpose and self-exploration. Student Induction Program engages with the new students as soon as they come into the institution before regular classes start. At the start of the induction, the incumbents learn about the institutional policies, processes, practices, culture and values.

OBJECTIVES:

- This course is mandatory for all the fresh students admitted in any UG Degree Program offered by the college.
- To help the students feel comfortable in the new environment and adjust to the customs and practices of the college.
- To enable the students to become familiar with the amenities and accessing the intellectual and physical resources of the institutions
- The main aim of the program is to instill the ideas, practices and spirit of St. Xavier's Catholic College of Engineering and its unique features.
- To enable the students to understand and have better relationship with the faculty members for setting the pace of fruitful teaching and learning experiences.
- Giving attention to stimulating social integration of students among themselves and with teachers.

The Department of H&Sc has conducted a Student Induction Programme for the First year newly admitted students from 30th August to 12th September 2023. The Program was conducted in offline mode. The branches involved are Electronics and Communication Engineering (ECE), Computer Science Engineering (CSE), Information Technology (IT), Electrical and Electronics Engineering (EEE), Mechanical Engineering (MECH), Civil Engineering (CIVIL),

and Artificial Intelligence and Data Science (AI&DS). Within these 9 allotted days, 45 sessions were conducted for the students. Basic knowledge in the fundamental subjects Maths, Physics, Chemistry, English, Computer Science were taught by the respective department faculty members. SXCCE-Profile was explained by the media team. Regulation and curriculum by the dean of Academic Dr. R. P. Anto Kumar, Overall Development by the vice-principal Dr. V. Christus Jaya Singh, Training Programmes and Memory Techniques by the dean of Research Dr. M. Marsaline Beno, Career Plan and Job opportunities by the dean of Futuristic support Mr. Anto Xavier Roach, Problem Solving in Programming by the dean of systems Dr.R.S.Shaji, Self – Learning by the IQAC coordinator Dr. J. Annrose and Computer technology information and Website by the faculty of Computer Science department Mr.Bright Jose were conducted. NCC, NSS, YRC clubs and its activities were explained by the corresponding student volunteers. An overview about Outcome Based Education was given by the Controller of Examinations Dr.A.Milton. An awareness on Innovation was given by the HILTEK team.

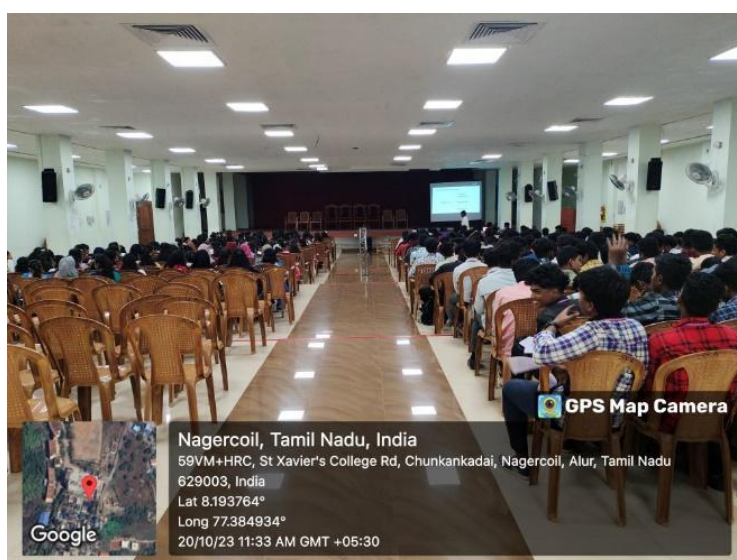
The students were also motivated by various sessions on Gender relations and Self Confidence, Career Guidance, Spirituality and Virtues of life, Skill Development and Goal Set, Youth Awareness and Leadership, Health Care and Hygiene, First Aid, Mental and Emotional Wellbeing, Entrepreneurship, fitness and happiness. The experience and success of Alumni was shared by the faculty of Civil department Dr.Frank Stephen, the CEO of Chekln Tek. Er. R. Abishek and the CEO of JustRise technologies pvt ltd Er. T. M. Jebin Jose. On the last day of the course Students feedback was also collected.





Higher Order Thinking Course (2023-2024)

As per the curriculum, a one credit course on, “Higher Order Thinking” was added to the syllabus of the first year. In order to improve the students critical and creative thinking skills, a session on the same topic was conducted for five days from 16/10/2023 to 20/10/2023. The session was handled by the eminent personalities, Dr. S.Lourdunathan, Associate Prof &Head, Department of Philosophy, Arulanandhar College, Madurai and Rev. Dr. Selvaraj, Director, Indian Social Institute, Bangalore. The session was interesting and it enables the students to enhance the problem solving skills which is required for an engineer. The resource persons gave various activities to the students to make the session a lively one. Students gained knowledge on deductive and inductive problem solving skills and how to figure out the problems in an easier manner. They also explained about the reasoning ability which can be asked in exams such as GATE . Students enjoyed the sessions and finally the session ended on 20th October. Dr. D. Judson, the coordinator of SHAX



SHAX Inauguration

The Inauguration of SHAX was conducted on 30/11/2023 at 2.4pm in the Conference hall. The program started with the prayer song. Joint secretary of SHAX welcomed the gathering. The Faculty Advisor Ms. S. Asha Alice introduced the new office bearers for this academic year. The annual report was presented by the Secretary of SHAX. Dr. D. Judson, Coordinator of H&Sc introduced the chief guest. Dr. D. Arun Gladwin, Founder and Director of Vantage- a training institute in personality development and communication skill at Nagercoil, gave the chief guest address. Felicitations were given by the Principal, Dr. J. Maheswaran and the Vice Principal, Dr. V. Christus Jeya Singh. The treasurer of SHAX rendered vote of thanks. The meeting came to an end by the college anthem.



PARENT TEACHERS INTERACTION

The Parent Teachers Interaction meeting of the first year students was conducted on 01/12/2023 at 2.30 pm in the Conference hall. The meeting started with the prayer song. The PTI Coordinator of first year, Dr. N. Sheen Kumar welcomed the gathering. The Principal, Dr. J. Maheswaran explained the salient features of autonomous and gave a brief output of the departmental activities. So many questions and suggestions were raised during the interaction session with the parents. The Principal gave a detailed explanation for all the questions raised. Presidential address was given by the Correspondent, Rev.Fr. Dr. M. Maria William. The Coordinator of H&Sc, Dr. D. Judson, proposed the vote of thanks. The meeting came to an end by 3.30pm. After the meeting the parents met the concerned faculty to get the marks and attendance percentage of their children.



Industrial Visit

The first year CSE-A and CSE-B class underwent an industrial visit on 22/03/2024 and 29/04/2024 to UST Global, Trivandrum. Around 125 students along with 6 faculty members went for the IV. The trip started at 6.30 am from the college premises. By 09.10 am the crew reported the campus of UST. The incharge of the concern trip, Mr. Monish assisted the students in a good manner. At first they have given a session on the overview of UST Global and then about the recruitment process of UST. Mr.Sthanu, the senior expert of UST handled the session in a great manner. After the session the students were splitted into teams and the representatives took the students to a campus tour. The students enjoyed the tour and learned many things about UST. By 5.30 pm we reached the campus.





The first year ECE-A, ECE-B, IT, AIDS, EEE, CIVIL, MECH-A, MECH -B classes underwent an industrial visit on 03/05/2024 and 07/05/2024 to Vikram Sarabai Space and Science Centre and KSSSM, Trivandrum. Around 365 students along with 19 faculty members went for the IV. The trip started at 7.00 am from the college premises. By 10.10 am the crew reported the campus of VSSC. The students were explained by the different types of satellites and launch vehicles. Then the students went to Planetarium, a specially designed theater with a domed ceiling where they watched the realistic image of the night sky, the origin of stars, planets, and constellations. The students enjoyed the tour and learned many things about the working principle of various equipment related to physics, satellite technology and **solar system**. By 6.30 pm we reached the campus.





Tech Fest competitions

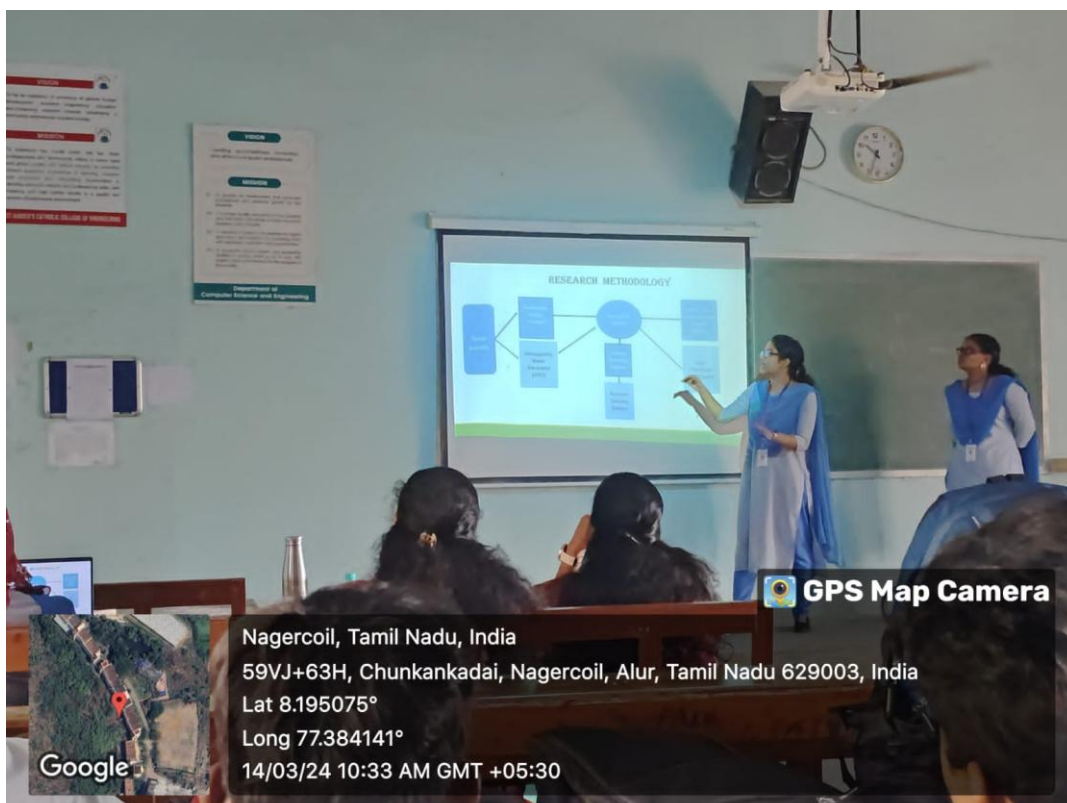
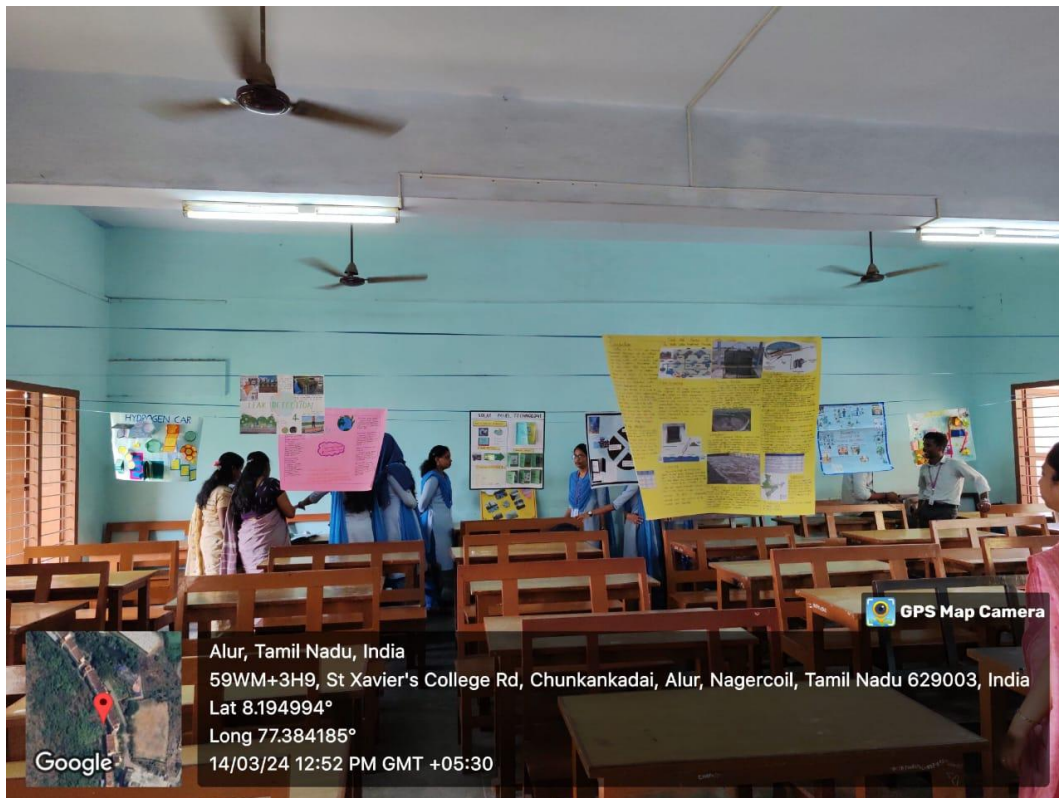
In view of Tech fest-2024, SHAX – the first year association conducted few competitions to bring out the technical talents of the first year students. Students came up with different ideas to exhibit their talents. Competitions like Paper Presentation and Poster Presentation were conducted and judged by the faculty members, Ms. G. Johncy, Ms. P. Ajitha, Dr. R. Barona, Dr. S. T. Sheriba, Assistant Professors, CSE Department, SXCCE. Prize for the winners will be given during the Tech Fest celebration in the conference hall at 3.00pm. The below students won prizes in different competitions:

PAPER PRESENTATION

PRIZE DETAILS	NAME OF THE STUDENTS	DEPARTMENT
FIRST	1. JOEL R 2. VISHAL C	CSE-B CSE-B
SECOND	1. SPRIPKKA HARINI J (Individual)	AIDS

POSTER PRESENTATION

PRIZE DETAILS	NAME OF THE STUDENTS	DEPARTMENT
FIRST	1. SHABIKA THASNEEM K 2. VAISHNAVI M	CSE-B CSE-B
SECOND	1. BEJANSLIN B 2. SHERIN V	AIDS AIDS



Technical seminar on “ Principles of Flight”

With a view to augmenting and updating the technical knowledge the Department of Humanities and Sciences organized a technical seminar on “ Principles of Flight” for the first year students of EEE, Mech and Civil branches. The main objective of the seminar is to make the students to understand the different types of materials and parts in flights. The resource person Dr.J. Anish Jafrin Thilak started with the quiz to make interaction with students. He explained about the features the of flight, fuel used in engine and working of engine. Fruitful feedbacks were given by the students. The entire session was useful and interactive.



SCIENCE AND HUMANITIES ASSOCIATION OF XAVIER'S (SHAX)
ANNUAL REPORT
ACADEMIC YEAR 2023-2024

Every new beginning comes from some other beginnings end.....

I am pleased to present the 26th Annual Report on the activities and achievements of SHAX, Science and Humanities Association of Xavier's of the academic year 2023-2024. The Department of Humanities & Sciences encourages the students of all disciplines not only in their academic pursuit but also in furthering their career prospects and giving impetus to their creative potentiality. In addition to that the association inculcate ethical values and promote social responsibility through an innovative learning process in basic sciences and humanities. It also provides students with soft skills and behavioral training programs in order to develop their overall personality and social consciousness. Apart from science subjects the department also strengthens the liberal education of students by developing a deepened understanding of language, the value of critical reading and effective writing.

This academic year starts with a student induction program in order to help the new students adjust and feel comfortable in the new environment from 26th June to 7th July 2023. With continuation to that a two-week Student Induction Program (SIP) based on Universal Human Values (UHV) was conducted from 30th August to 12th November 2023.

The Inaugural ceremony of the 26th batch, BE/ B.Tech Programmes of St. Xavier's Catholic College of Engineering was held on 9th November 2023. Rev. Fr. S.Jesu Retnam the Contact Person of the Diocese of Kuzhithurai and the President of the Governing council of St. Xavier's Catholic College of Engineering presided over the ceremony. Dr. T.V. Venkateswaran, Senior Scientist, Vigyam Prasar, Dept. of Science & Technology, Govt. of India, highlighted the programme with his very presence.

In order to improve the students' critical and creative thinking skills, a session on "Higher order thinking" was conducted for five days from 16/10/2023 to 20/10/2023 by the eminent personalities, Dr. S.Lourdunathan, Associate Prof & Head, Department of Philosophy, Arulanandhar College, Madurai and Rev. Dr. Selvaraj, Director, Indian Social Institute, Bangalore.

The Inauguration of SHAX' was conducted on 30/11/2023 at 2.45 pm in the Conference hall. The Faculty Advisor introduced the new office bearers for this

academic year. The annual plan was presented by the Secretary of SHAX. Dr. D. Arun Gladwin, Founder and Director of Vantage- a training institute in personality development and communication skill at Nagercoil, was the chief guest.

To build a strong relationship with the parents and to promote the well being of the children a Parent Teachers Interaction meeting was conducted on 01/12/2023 at 2.30 pm in the Conference hall. In view of Tech fest-2024, SHAX – the first year association conducted few competitions like Paper Presentation and Poster Presentation to bring out the technical talents of the first year students on 14/03/2024.

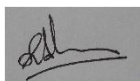
A technical seminar on “Principles of flight” was conducted on 27th April at the Einstein seminar hall for the first year students of EEE, Mech and Civil branches. Dr.J. Anish Jafrin Thilak, Assistant Professor, Dept. of Mech., Mepco Schlenk Engineering College, Sivakasi, was the Resource person.

For creating an opportunity to interact with the industry experts we have taken our first year Students to UST Global, Trivandrum on 23rd March and 29th April also to Vikram Sarabai Science and Space Centre, Trivandrum on 7th May.

Let me render my heartfelt gratitude to the Coordinator Dr.D.Judson for always being my greatest supporter throughout the year. I also thank all the faculty members and staff members of the Department of Humanities and Sciences , for their valuable cooperation and support.

“The journey is never ending. There's always gonna be growth, improvement, adversity let's all continue to grow”

Thank you



Faculty Advisor
(Ms. S. Asha Alice)



HOD/Dean In Charge
(Dr. V.Vijimonmoni)