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Department of Humanities & Science

Commitment towards excellence



Science and Humanities Association of Xavier's

NEWSLETTER



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





Department of Humanities & Science

Commitment towards excellence

NEWSLETTER 2021-2022

- 1. Vision & Mission
- 2. SHAX Year Plan
- 3. Class test
- 4. Student Induction Program
- 5. Human values based Induction program
- 6. Inauguration
- 7. SHAX Installation
- 8. Webinar
- 9. PTI
- 10. SPHINX "22
- 11. Industrial Visit
- 12. Orientation seminar
- 13. SHAX Annual Report

IN THIS ISSUE	PAGE NUMBER
Vision & Mission	1
Year Plan	2
Class Test	3
SIP on OBE	4
Human values based Induction program	7
Inauguration	9
SHAX Installation	11
Webinar	13
PTI	15
SPHINX '22	17
Student Orientation	19
Industrial Visit	21
Orientation Seminar	24
SHAX Annual report	26

ST. XAVI/ER'S CATHOLIC COLLEGE OF ENGINEERING CHUNKANKADAI, NAGERCOIL-629 003

(Affiliated to Anna University, Chennai)

DEPARTMENT OF HUMANITIES AND SCIENCE

Commitment towards excellence

The department of Humanities and Science 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 2021-2022.

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 programme and there by assisting them realize their inner potential and the commitment to society.

St.Xavier's Catholic College of Engineering

Department of Humanities and Science

SHAX-Science and Humanities Association of Xavier's

Year Plan (2021-2022)

S.No	Program	Date	Objectives	Outcomes	Beneficiaries
1.	Student Induction programme	1///19//11/1	Hynoging the students to	Awareness of college atmosphere	First year students
	Human Values Based Induction Program	08/11/2021	Exposing the students to college environment	learn the skills needed for engineering studies	First year students
3.	Inaugural ceremony of the 24th batch	24/11/2021	Exposing the students to know the college activities	Awareness of college rule and regulation of 1 st year students and parents	Students and parents
4.	SHAX Installation		U	Information about SHAX	First year students
5.	District level Quiz competition (SPHINX'22)	10/01/2022	An exposure of our college to school students	Students gained knowledge of the facilities at SXCCE and got chance to expose their knowledge	School students
6.	Road safety Awareness programme	18/01/2022	information for road	Understand the traffic rules and laws	First year Students
7.	Parent Teachers Interaction		Understanding between	Parents know about students performance	First year students and parent

UNIT TEST (ODD SEMESTER)

UNIT TEST I	13 -12-2021 to 17-12-2021
UNIT TEST II	10-01-2022 to 17-01-2022
UNIT TEST III	02-02-2022 to 08-02-2022
UNIT TEST IV	14-02-2022 to 18-02-2022
UNIT TEST V	26-02-2022 to 05-03-2022

UNIT TEST (EVEN SEMESTER)

UNIT TEST I	28-04-2022 to 04-05-2022
UNIT TEST II	12-05-2021 to 18-05-2022
INTERNAL TEST	06-06-2022 to 11-06-2022
UNIT TEST V	20-06-2022 to 25-06-2022

Student Induction Program OBE - Report (2021-2022)

The department of H&Sc has conducted a three week Student Induction Programme on Outcome Based Education for the management students from 27-09-2021 to 13-10-2021 through online mode. The program started with an inauguration on 27-09-2021 followed by special talks by our Correspondent and the Principal. Mr.M.Prabhakaran, Director, Innate Talent Pvt Ltd chennai also gave a motivational talk on personality development on the first day. 33 sessions were conducted for the students. 4 sessions were allotted for English, 5 sessions each for Mathematics, Computer Programming, Physics and Chemistry. 6 motivational sessions were also arranged and was engaged by the Deans and the placement officer. An overview about Outcome Based Education was given by IQAC Coordinator Dr.A.Milton. 302 students attended the Student Induction Programme. Nearly 29 faculty members handled classes for the students. At the end of the day, online exam was also conducted and participation certificates were issued for all the students.

The following were the links used for conducting online classes

Google meet link

Introduction and motivation - https://meet.google.com/ioh-jznk-ywd

Section A (CSE A) - https://meet.google.com/qvx-nfya-pfu

Section B (CSE B) - https://meet.google.com/hje-seja-wym

Section C (ECE A&B) - https://meet.google.com/zpx-tjtz-wbk

Section D (MECH & CIVIL) - https://meet.google.com/uez-kzos-hta

Section E (IT & EEE) - https://meet.google.com/xui-otwx-esh

Mail ID's and passwords for Staff

Section A: <u>1cse-a@sxcce.edu.in</u> hsc@2021

Section B: 1cse-b@sxcce.edu.in hsc@2021

Section C: <u>1ece-a@sxcce.edu.in</u> hsc@2021

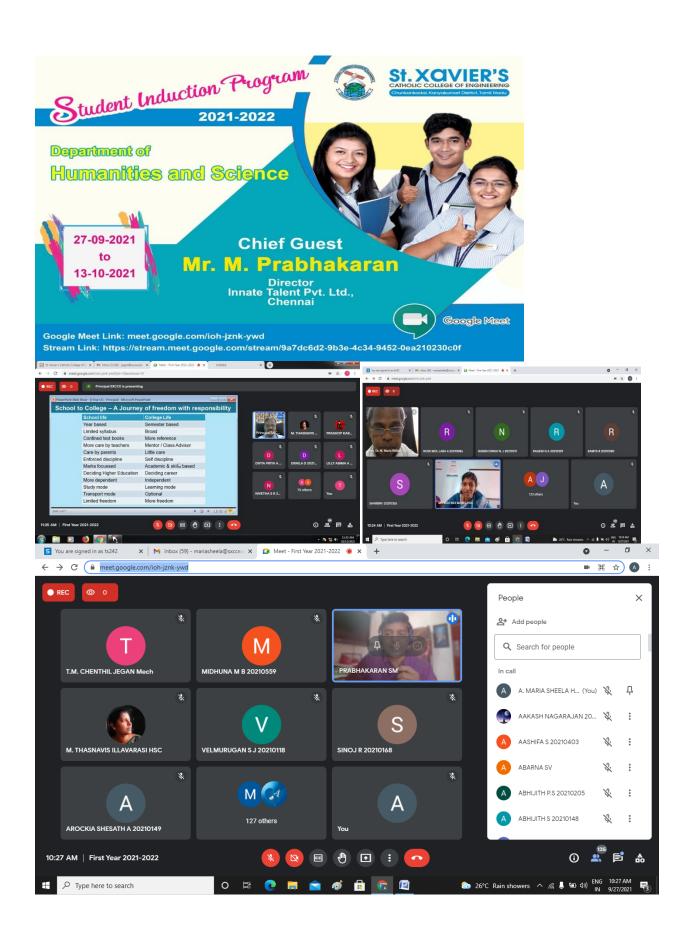
Section D: <u>1mech-a@sxcce.edu.in</u> hsc@2021

Section E: <u>lit@sxcce.edu.in</u> hsc@2021

Online exam link: https://forms.gle/hFE9pTezekjY8xsMA

You tube links: https://stream.meet.google.com/stream/9a7dc6d2-9b3e-4c34-9452-

<u>0ea210230c0f</u>



Human Values Based Student Induction Program Report (2021-2022)

The department of H&Sc has conducted a two week Human Values Based Student Induction Programme for all the first year students from 8-11-2021 to 19-11-2021. Nearly 468 students participated in the program. The program started with an Institution Orientation by Coordinators of concerned classes. Within these allotted days 54 sessions were conducted for the students. With 5 sessions each for English, Mathematics, Computer programming, Physics, Chemistry, 3 sessions for physics & chemistry laboratory and 2 sessions for computer laboratory. Department HODs were also engaged the classes followed by their department visit. Campus visit was arranged to get an idea about the college campus.

In addition to the classes we have also conducted sessions on Human values and Leadership by Fr. Southern Star and Fr.Vijayan Rajan Babu director of counseling Ministry, Diocese of Kottar respectively. Personality development sessions were conducted by Fr.J.Anto Halwin, Pariesh Priest, Padar Nilam. Virtues of life session were conducted by Dr.V.Christus Jeyasingh, Dean, Students Affairs. Sports were also included in this program as a physical activity. Way to Success program was organized by St.Xavier's Alumini Association to improve the soft skill development of the students. Youth Awareness Program was conducted by Sr.Efamia Lucy Joice and team, Psycho Spirtual Counsellor.

Health care and hygienic session was conducted by our college nurse S.Nesa Hilda. First Aid, Mental and Emotional Wellbeing sessions were conducted by the professors (Prof.Rajeshwari, Prof.Ida Divya Sherly, Dr.T.Arul Valan, Prof.Beula) of Dr.Kumaraswamy Health centre and college of Nursing, Kanyakumari.

A visit to Ponmalai was arranged for the students as a part of outside activity.

At the last day, report and feedback of all the sessions were collected from the students.



First Aid, Mental and Emotional Wellbeing



Way to Success











Human Values

First year Inauguration Report

The inaugural ceremony of the 24th batch B.E/ B.Tech programmes of St. Xavier's Catholic College of Engineering were held on 26th November 2021. 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 the ceremony. Mr.K.V.Lakshmi Narayanan, Senior Human Resource Manager and OD Leader, Infosys highlighted the programme with his very presence.

The ceremony began with a prayer song and a welcome dance.Rev Dr M Maria William, the correspondent of the college welcomed the gathering. Dr J Maheswaran, the Principal of the college introduced the college. The dignitaries on the dais inaugurated the ceremony by lighting the lamp. Reading from the Holy Scriptures was read followed by prayer and offering, by the first year students. First year students were asked to take oath lead by Dr.T.M.Chenthil Jegan, the first year Coordinator. Rev. Fr. S.Jesu Retnam, gave an inaugural address highlighting the commitment of the students. Dr A Milton, the coordinator of IQAC, introduced the chief Guest. Mr.K.V.Lakshmi Narayanan, Chief Guest inspired the students with his chief guest address on 'Industry 4.0 requirements'.

Four MOUs from ICT Academy were exchanged. Mr V Poorna Prakash, Senior Manager in Academic initiative and state head, ICT Academy, Tamil Nadu addressed the gathering and motivated the first years on the benefits of learning at St.Xavier's catholic college of Engineering. Two senior students shared their experience at SXCCE. Rev.Fr. Francis Xavier, the Bursar, felicitated on the occasion. Dr.R.S.Shaji, Dean of Research proposed the vote of thanks. The college choir sang the college Anthem. Student's entertained the gathering with dances and songs. The inaugural ceremony came to an end with National Anthem by 2 p.m. Dignitaries, parents, students and staffs of St. Xavier's were provided with sumptuous lunch.



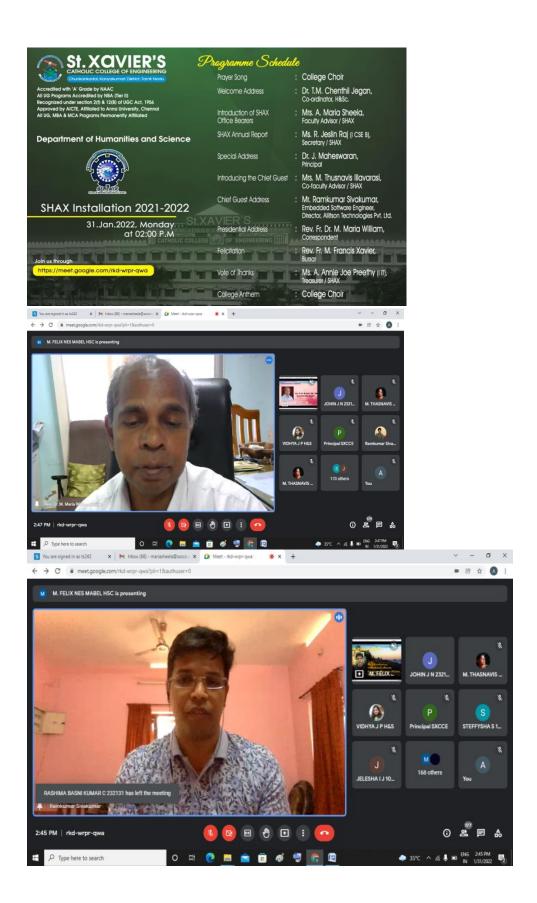
SHAX Installation Report 2021-2022 (Virtual)

SHAX installation 2021-2022 for the first year students was held on 31.01.2022 through virtual mode. The main objective of this programme was to enhance the student's association activities and introduce the new office bearers. The programme began at 2pm with a prayer song by the college choir.

Dr.T.M.Chenthil Jegan, Coordinator of H&Sc warmly welcomed the gathering. The Faculty Advisor, Ms. A.Maria Sheela introduced the new office bearers. The student secretary Ms.R.Jeslin Raj presented the annual (2020-2021) SHAX report. Dr.J.Maheswaran, the Principal gave special address. Ms.M.Thusnavis Illavarasi, Co-Faculty Advisor introduced the chief guest.

Mr.Ramkumar Sivakumar, Embedded Software Engineer, Director-Alliston Technologies Pvt Ltd, Nagercoil was the Chief Guest of the auspicious day. He gave a motivational talk on how to be successful as an engineer. Rev.Dr.M.Maria William, the Correspondent, delivered the presidential address. Ms.A.Annie Joe Preethi, the treasurer gave vote of thanks. The meeting came to an end with the college anthem.

The whole installation ceremony was co-ordinated by the Coordinator, Faculty Advisor with the support of HODs of Physics, Chemistry, Mathematics, English and all the faculty and staff members of Humanities and Science department. The google meet link for the installation ceremony is https://meet.google.com/rkd-wrpr-qwa. 353 students attended the programme. The whole programme was telecast to the students through virtual mode.



Research Opportunities-Innovation, Invention and Patent Report 2021-2022 (Virtual)

The department of H&Sc has conducted a webinar on "Research Opportunities-Innovation, Invention & Patent" for first year ECE students on 16-02-2022 from 10.00am-11.00am.

The webinar was conducted through virtual mode. Asst.Professor Alexin Shaya Ithal welcomed the gathering and introduced the speaker. The resource person Mr.H.Hareesh Krishnan, Research fellow NIT, explained the concepts of innovation, invention and patent.

The webinar was arranged by Dr.T.M. Centhil Jegan, Coordinator of H&Sc and Ms.A.Maria Sheela, Faculty Advisor of SHAX. 62 students attended the seminar. The google meet link https://meet.google.com/xrw-gndp-hmx was used for the webinar.

Feedback was collected from the students and E-certificates were issued for all the participants.





Parent Teachers Interaction Report (2021-2022)

Parent Teachers Interaction meeting for the first year students was held on 09/04/2022 at 2.00 p.m. in the Conference Hall. The meeting was organized by Department of Humanities & Science. It was a meeting between the parents and the staff who are handling classes for the first year students. Around two hundred and twenty parents attended the meeting along with the staff members. The meeting started with a prayer song and welcome address was given by the PTIC member, Dr.L.Mary Florida. The Principal, Dr.J Maheswaran gave the special address related to the various activities of the college. He gave the detailed academic schedule, Internal Exam performances and disciplinary issues among the students. He advised the students to enhance their study habit and to maintain good attendance and to study the daily portion. Parents and teachers can combine and make the students to achieve their goal. The Vice Principal, Dr. V.Christus Jeyasingh felicitated the gathering. He explained the students to fulfil their ambition and also to develop their Entrepreneur skills and advised the parents to monitor the character and habits of their wards. The first year coordinator Dr.T.M.Chenthil Jegan explained the various departmental activities held during odd semester like Induction programme, Human values based Induction Programme, SHAX installation, Gate Coaching and communication skills. The PTIC Convenor, Dr.J.Merry Geisa, elected the parent executive members among. The Correspondent, Rev.Dr.M.Maria William gave the presidential address. He asked that the students should be ready to file patent after the completion of their course. The meeting ended at 4.00p.m with the vote of thanks by Mrs.A.Maria Sheela, the faculty advisor of SHAX.

The following suggestions were given by the parents:

- Send SMS to parents regarding late comers and class test marks.
- Inform the parents about the cell/clubs.
- Guide the students to develop soft skills like coding
- Arrange special coaching for failures

Followed by the formal meeting, a high tea was provided and the parents were directed to the department wise meeting venue to meet the subject in charges, mentors and class coordinator for interaction regarding their wards' academic performances and disciplinary issues. The interaction came to an end by 5.00 pm.





District Level Quiz Competition

SPHINX'22- Report

A one day district level quiz competition- SPHINX'22 for higher secondary school students was organized by SHAX (Science & Humanities Association of Xavier's) of Humanities & Sciences department on 19.04.2022.

Students from various schools came with their teachers and registered for the competition. A preliminary online quiz was conducted at 10.30a.m in the Computer centre. It came to an end by 11.30a.m.with a tea break. 48 students participated in the preliminary round.

The final round quiz competition was conducted by Fr.Sebastian Francis, Founder and Director of Sigaram Academy of Excellence. The selected five teams participated in the final round which was held at 12.15p.m.in the Einstein Seminar Hall. There were seven rounds with different question patterns. The quiz session attributed more flavour for the programme. The quiz master conducted the competition in an interesting and motivating way.

The first prize with a cash award of Rs.3000 and Dr.A.P.J.Abdul Kalam Rolling Trophy was bagged by Alphonsa Matric Higher Secondary School, Nagercoil for the Second time. The second prize with a cash award of Rs.2000 was also received by Alphonsa Matric Higher Secondary School, Nagercoil and the third prize with a cash award of Rs.1000 was received by Nanjil Catholic School (CBSE), Vazhuthalampallam

The valedictory function started with a prayer song at 2.30 p.m. Mrs.A.Maria Sheela, Faculty Advisor, SHAX, welcomed the gathering. The Quiz Master, Fr.Sebastian Francis in his talk expressed that students should attend various quiz programme like this, which will help them to develop their critical and logical thinking. The Principal, Dr.J.Maheswaran, gave the presidential address. He asked the students to develop their knowledge through learning by attending quizzes like this.

In the prize distribution session, prizes, certificates and the Rolling Trophy were given to the school students. Participation certificates were also given to all the participants. At the end of the programme Dr.T.M. Chenthil Jegan, the Coordinator of H&Sc proposed the vote of thanks. The meeting came to an end with the national anthem at 3.20p.m.

The whole programme was co-ordinated by the Coordinator Dr.T.M.Chenthil Jegan, Faculty Advisor Mrs.A.Maria Sheela, HODs of Physics, Chemistry, Mathematics and English, and all the faculty members of Humanities and Science department.



Student Orientation Program Report (2021-2022)

The department of Humanities and Science has conducted Student orientation Programme on 27-05-2022 in two sessions. Dr.D.Judson, Coordinator, H&Sc welcomed the gathering. Dr.J.Maheswaran, The Principal gave instructions to students regarding late coming, mobile usage and discipline issues. He asked the students to develop the habit of studying daily portions and also to register for online courses. Rev.Fr.Dr.M.Maria William, the Correspondent in his speech advised the students to work hard to be creative and over all to be a good human being. He also gave tips to develop their personality and intellectual growth by overcoming the various distractions. The programme came to an end with the vote of thanks by Dr.J.Mary Vanaja, HOD, and Department of English.







Industrial Visit- Report (2021-2022)

Industrial visit was arranged for the first year students to Priyadarsini Planetarium and Museum, Trivandrum and The India Cements Ltd, Sankarnager, Tirunelveli from 31-05-2022 to 04-06-2022.

Details of the visit are listed in the tabular column

S.No	Date	Department	No.of	No.of faculty
			students	accompanied
1.	31.05.2022	CSE A & Mech B	60+44=104	6
2.	01.06.2022	IT & EEE	47+46= 93	5
3.	02.06.2022	ECE A & ECE B	53+51=104	6
4.	03.06.2022	CSE B & Mech A	57+42= 99	5
5.	04.06.2022	Civil	21	3
Total			421	23

Objectives of the visit:

- To go beyond the academic activities.
- To understand the concept of Planetarium, a specially designed theater with a domed ceiling that project a realistic image of the night sky indoors.
- To educate about stars, planets, and constellations.
- To support Science, Technology, Engineering and Mathematics (STEM) learning and to cross learning discipline into art, culture and history.
- To educate about various terrestrial and aquatic bio diversity.
- To understand the working principle of various equipment related to physics.
- To understand the concept of cement manufacturing, selection of raw materials and testing of cement quality.

Outcomes:

 Students will develop interest to carry out research for the production of high quality cement.

- Students will get opportunity to generate awareness about bio-diversity.
- Students will get hands on experience on present satellite technology.
- Students will develop interest to carry out research related to solar system.
- Students will be encouraged to develop new ides in the field of marine bio-diversity.
- Students will be aware of some of the extinct species.



04-06-2022



Orientation Seminar on Goal setting and Awareness on Research 2021-2022

The department of H&Sc has conducted a seminar on "Goal setting and Awareness on Research" for all the first year students (department-wise) from 21.6.2022 to 23.6.2022. 421 students participated in the seminar. The main objective of this seminar is to create awareness among the first year students about research and also to set their short term and long term goal.

The resource person, Dr.M.Marsaline Beno, Dean/Centre for Research, St.Xavier's Catholic College of Engineering, explained the concepts of innovation, invention in research and gave tips to set goals.

At the end of the seminar, students were given a form and asked to write their long term and short term goals.





SHAX-Science and Humanities Association of Xavier's

Annual Report (2021-2022)

It is my proud privilege to present the Annual Report of Science and Humanities Association of Xavier's of the academic year 2021-2022. The Department of Humanities & Sciences serves as a forum for enriching the knowledge of the students in humanities and sciences arena to excel in engineering education that would bridge technology and society. It seeks to lay a strong foundation in basic sciences and in basic engineering besides developing competency in English language skills. It also moulds the fresher's into wholesome personalities through enriching motivational programme. The association makes them realize their inner potentialities. It inspires the students to serve the society with commitment by keeping the moral and ethical values.

A three week Student Induction Programme for the management students was conducted from 27-09-2021 to 13-10-2021 through online mode. A two week Special Human Values Based Student Induction Programme for all the students from 08-11-2020 to 19-11-2020 was conducted

The inaugural ceremony of the 24th batch of B.E./B.Tech.programme was conducted on 26th November 2021. Dr.J.Maheswaran, the Principal gave the introduction talk. Rev.Fr.S.Jesu Retnam, the President of our Governing Council gave the inaugural address. Mr.K.V.Lakshmi Narayanan, Chief Guest inspired the students with his chief guest address on 'Industry 4.0 requirements'. Rev.Fr.Dr.M.Maria William, the correspondent gave a special address. Rev.Fr.M.Francis Xavier, the Bursar felicitated on the occasion.

A one day virtual power seminar on "Research Opportunities-Innovation, Invention & Patent" was arranged on 16.02.2022. The main objective of the programme is to motivate the students to develop their skills, knowledge in research. The resource person Mr.H.Hareesh Krishnan, Research fellow NIT, explained the concepts of innovation, invention and patent.

SHAX – (Science and Humanities Association of Xavier's) Installation Ceremony was held on 31.01.2022. Mr.Ramkumar Sivakumar, Embedded Software Engineer, Director–Alliston Technologies Pvt Ltd, Nagercoil was the Chief Guest of the auspicious day.

The Parents Teachers Interaction Meeting was held on 09.04.2022. The main objective of the programme is sharing of academic information to parents for the first year students. It was a fruitful interaction between the teachers and the parents.

SPHINX'22, a district level quiz competition was arranged for the Higher Secondary School Students on 19.04.2022. A preliminary Online Test was conducted from all the basic subjects. The quiz master Fr.Sebastian Francis, Founder and Director of Sigaram, Academy of Excellence conducted the quiz with different question pattern. Dr.A.P.J.Abdul Kalam Rolling Trophy was won by Alphonsa Matric Higher Secondary School, Nagercoil. Cash awards were given for the first three place holders.

Student's orientation programme was conducted on 27.05.2022. Instructions were shared with the students by the correspondent and Principal.

Industrial visit was arranged for the first year students to Priyadarsini Planetarium and Museum, Trivandrum and Sankar Cements Ltd, Tirunelveli from 31-05-2022 to 04-06-2022.

A seminar on "Goal setting and Awareness on Research" was arranged (department-wise) from 21.6.2022 to 23.6.2022. The main objective of this seminar is to create awareness among the first year students about research and also to set their short term and long term goal. The resource person, Dr.M.Marsaline Beno, Dean/Centre for Research, St.Xavier's Catholic College of Engineering, explained the concepts of innovation, invention in research and gave tips to set goals.

Thus SHAX, the Association of the Department of Humanities & Sciences had been doing its service for the development of the first year students for the past one year.