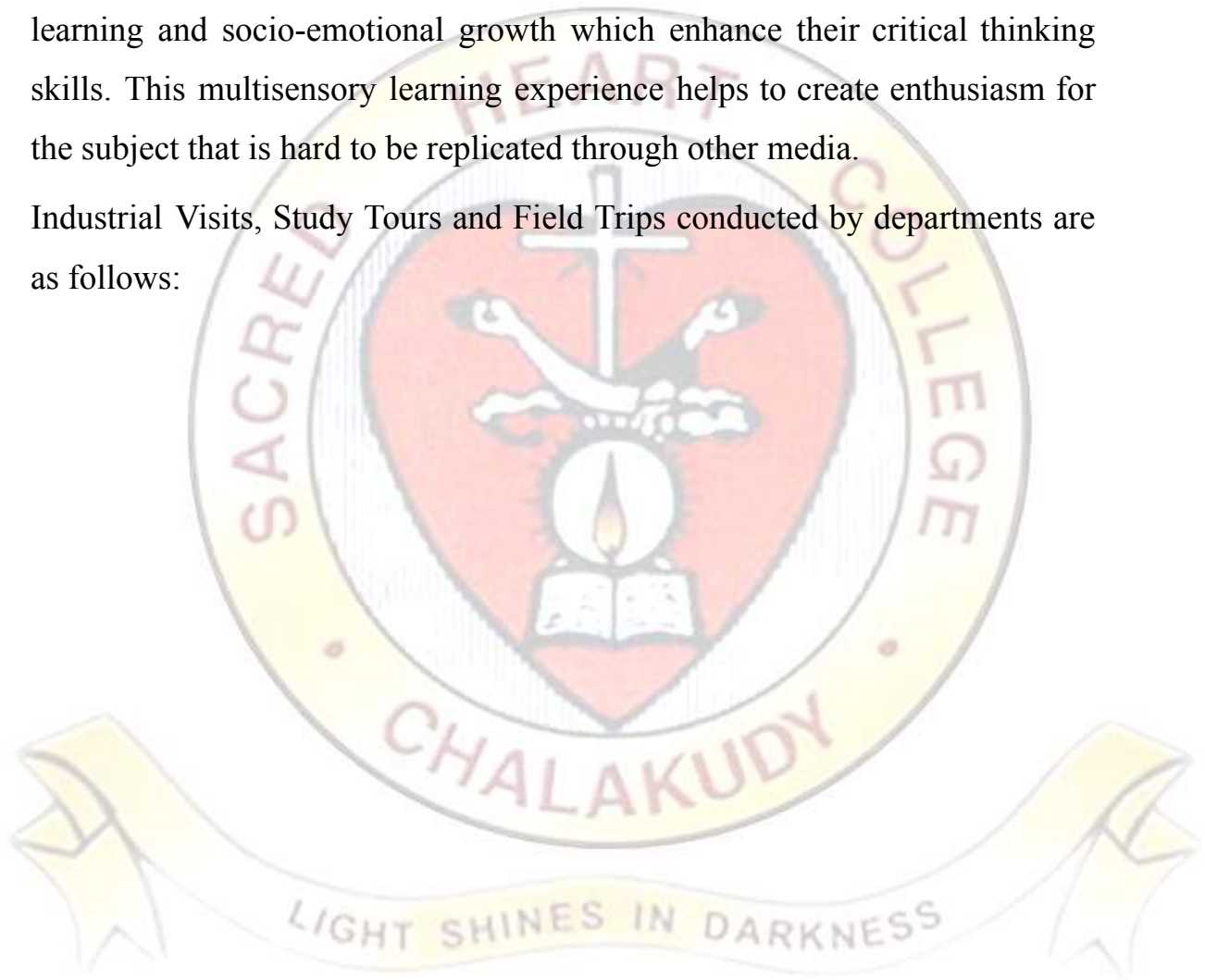


## **INDUSTRIAL VISITS, STUDY TOURS AND FIELD TRIPS**

To provide students with an opportunity to collaborate with teachers and integrate new perspectives with informal environments to enhance learning initiatives, study tours, industrial visits and field trips are organized. These are effective tools for the transfer of knowledge which aims at real-world learning and socio-emotional growth which enhance their critical thinking skills. This multisensory learning experience helps to create enthusiasm for the subject that is hard to be replicated through other media.

Industrial Visits, Study Tours and Field Trips conducted by departments are as follows:



## **Department of Physics**

### **STUDY TOUR (2016-2021)**

Education is not confined to classroom teaching. If learning is to result in the total development of the students, we must go beyond our classroom into the community as students are working participants. The chief purpose of the study tour is to give students firsthand experience that can't be had in the classroom. Hence, the study tour is an outdoor lesson in action. Study tours provide the opportunity for the transfer of knowledge through the use of many techniques other than reading and speaking. It co-relates classroom learning with the community. It also develops better social awareness and social skills in students.

As a part of the study tour, III DC students and three faculty of the department visited Mithradham, Renewable Energy centre at Aluva on 17<sup>th</sup> January 2017. III DC students visited Raman Research Institute (RRI), and Visweshwarayya Industrial and Technological Museum, Bangalore as a part of their study tour from 13-09-2017 to 17-09-2017. DC and II DC students, CUSAT as a part of the Kerala Rally for Science, on 14-11-17. III DC Students visited CUSAT and attended the CUSAT Open House Programme as a part of an industrial visit on 25<sup>th</sup> January 2019. III DC students visited the various research labs of the Department of Physics, CUSAT, on 06-12-2019 as a part of their Study tour.



Visit to Mithradham, 17th January 2017



Visit to Raman Research Institute (RRI, Bangalore)



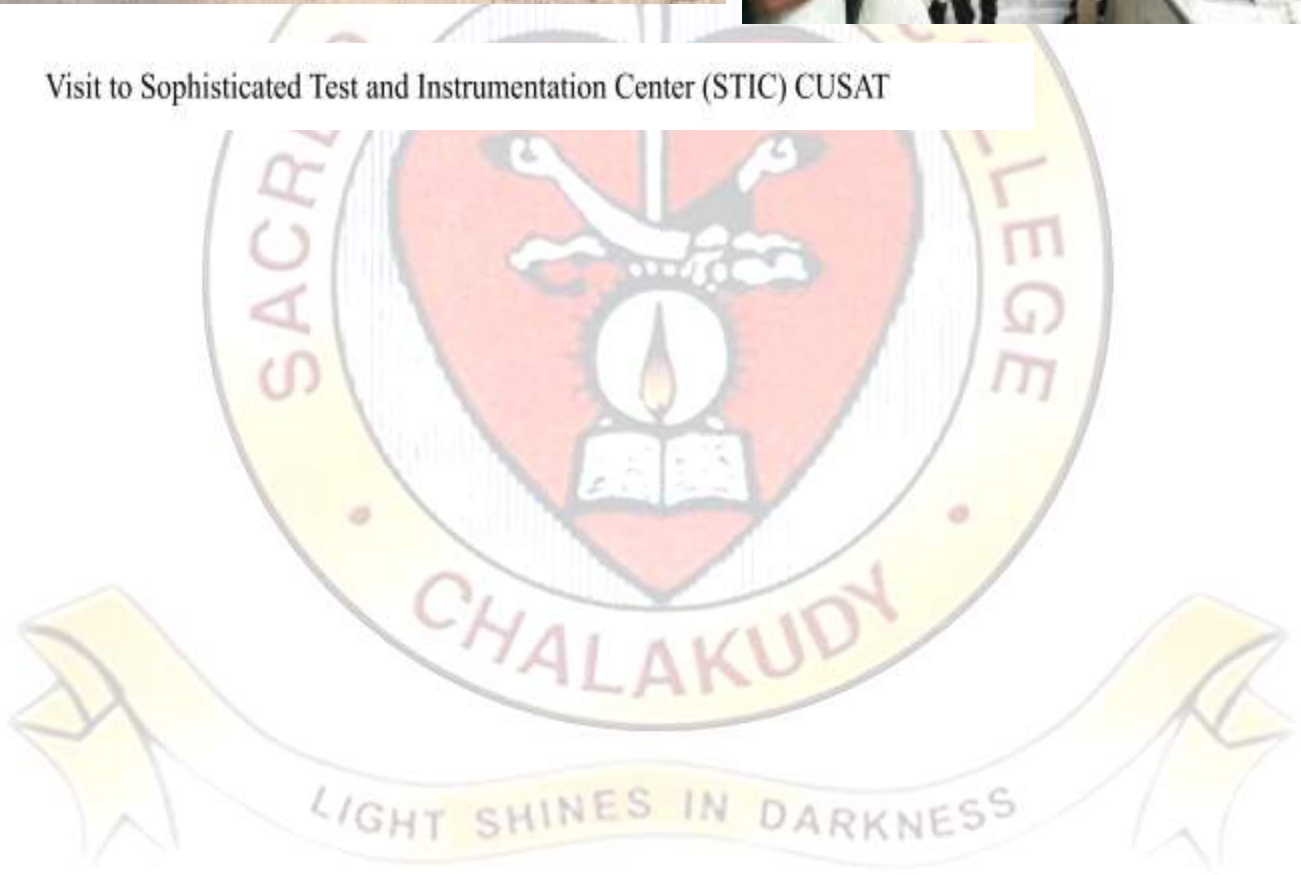




Visited CUSAT and attended the CUSAT Open House Programme



Visit to Sophisticated Test and Instrumentation Center (STIC) CUSAT



## Department Of Computer Science

### **Industrial Visit**

The objective of Industrial visit is to provide students with an insight into the corporate world. Industrial visit brings clarity to important concepts, as students practical experience first hand how these concepts are put into action. The visit bridges the gap between classroom learning and practical implementation.

It provides an opportunity for students to explore the knowledge in their area of interest. It also gives students a platform to enhance their interpersonal skills. Department organizes industrial visits to various reputed software development organizations/ IT parks.



In the year 2017, the department conducted an Industrial visit to UST Global, Fingent Global Solution Pvt. Ltd., IBS at Infopark, Kakkannad.





During the year 2018, we could not organize a visit due to heavy flood in Kerala. So we took both the batches 2018 and 2019 in the year 2019 to Infosys at Technopark, Kazhakootam, Trivandrum.



Due to Covid pandemic we couldn't organize an Industrial visit during the year 2020 and 2021.

## Department of Chemistry

### **Industrial visits**

Industrial visits are the best source to increase the knowledge of students. It gives students exposure to various functions in an organization. With industry visits, students are able to identify their prospective areas of work in the overall organizational function. Industry visits help to enhance interpersonal skills and communication techniques. Students become more aware of industry practices and regulations during industry visits. Every year Department of Chemistry organizes Industrial visits to various prestigious institutions.

### **Visit to Apollo tyres, Chalakudy**

Department organized an industrial visit for B.Sc. chemistry students to the manufacturing unit of Apollo tyres, Chalakudy on 26/01/2019. There, students got opportunity to understand the working of machineries and various chemical processes involved in the manufacturing of tyres. 37 students participated.





## Visit to Visvesvaraya industrial and technological Museum

38 III DC students went to study tour to Visvesvaraya Industrial and Technological Museum, Bangalore on 5/10/2019. Dr. Laina A L and Sr. Treesa Flower accompanied the group. That splendid museum, dedicated to the memory of Bharat Ratna M. Visvesvaraya, contains various technical inventions and a glimpse of the history of technological development in the country.



## Visit to Nitta gelatin, Kathikudam

Nitta gelatin Pvt Ltd, Kathikudam invited chemistry students to visit their Ossein extraction division at Koratty. 44 students along with Dr. Laina A.L. and Miss Heena Peethambaran visited the plant on 29.1.2020. We had an opportunity to understand the various extraction processes and water treatment processes and quality tests conducted in the plant.



## Visit to CUSAT

21 III<sup>rd</sup> year B Sc. Students along with Dr. Laina A.L. and Heena Peethambaran visited Department of Applied Chemistry, Cochin University of Science and Technology on 25<sup>th</sup> March 2021.



VISIT TO CUSAT



LIGHT SHINES IN DARKNESS



## Department of Zoology

### **Field Visit to places of Zoological interest –**

As a part of the B.Sc. Zoology degree program the students are required to attend a 5 day field visit to places of zoological interest. The department of Zoology of Sacred Heart College ensures that the students get maximum output out of this program. Each year the staff of the department tries to find places of zoological interest which the students will benefit from.

In the academic year 2016 – 17, the students and staff went to Silent Valley National Park located in the Nilgiri hills from 29 August 2016 to 1 September 2016. They were able to see a lot of wild animals in their natural habitat. They also visited the Tamil Nadu Agricultural University, Coimbatore. At the university they visited several departments such as entomology and biotechnology. They also visited the department of Trade and intellectual property rights where they were able to learn about IPR and patents. Government Botanical garden was the place they went to next and were able to see a variety of plants that they had studied in their complementary subject botany.

In the academic year 2017 – 18, the students and staff went to Mysore and Coorg from 4<sup>th</sup> to 9<sup>th</sup> October 2017. They visited the Mysore zoo where they were able to see a lot of wild animals which they would otherwise not encounter even if they are taken to a national park as most wild animals are shy of humans. They also visited a Tibetan monastery and the animals that were grown as pets there.

In the academic year 2018 – 19, the staff and the students went to Dairy Training Institute for 10 days from 4<sup>th</sup> December 2018 to 14<sup>th</sup> December 2018. They were able to undergo intensive training in making of dairy products for 10 days. The students and staff also went to Malampuzha Dam on 13<sup>th</sup> December 2018. They were able to see different habitats there such as riverine ecosystem and modifications to the habitat caused by construction of the dam. At the dam site there was a snake park.

In 2019 – 20 a study tour to places of biological interest as a part of curriculum, this time they were taken to Mysore, Zoo, Ranganthitthu Bird Sanctuary, Paravana Parrot rehabilitation Center and Deer Park, Coorg from 1st November to 4th November 2019. It developed student community relationships, leadership skill and self-confidence of students.

29/8/16 to 1/9/2016 – Visit to Silent Valley National Park



29/8/16 to 1/9/2016 – Visit to Tamil Nadu Agricultural University





4-9/10/2017 – Visit to Salim Ali Center Mysore



4-9/10/2017 – Visit to Parrot rehabilitation center





4-14/12/2018 – Dairy Training center



13/12/2018 – Visit to Malampuzha Dam



13/12/2018 – Visit to Snake Rescue and Rehabilitation center, Malampuzha



13/12/2018 – Government aquarium





1-4/11/2019 – Visit to Deer park, Coorg



1-4/11/2019 – Visit to Shuk Vana, Mysore





## Department Of Commerce

### **Industrial Visit**

The Industrial visit to KSE, Kerala Solvent Extraction Limited Company, Irinjalakuda, Thrissur was conducted on 2nd February 2019. KSE Ltd started its working in 1982 by mill owners in the name Solvent extraction. The company has two plants. Capacity of plants are 500 tons and 240 tons. It produces two products: cattle feed and solvent extraction. More than 300 people work in the company with three shifts. For cattle feed they use copra cake, wheat, husk, ripes and corn as raw materials. They started their operations from assembling raw materials. Then the next stages are grinding stage, steaming and mixing of raw materials etc,. The Final stage is production of cattle feed. The products are stored in the loading area. The company has two branches other than irinjalakuda, they are Koratty and Tamilnadu. KSE also produces dairy products which are distributed over all the places in Kerala in the name Vesta. In Irinjalakuda they produced almost 20,000 ton cattle feed. It is the most reputable firm in Kerala as well as India for producing cattle feed. Five teachers and hundred students visited KSE and one employee showed the activities done in the firm and explained different stages in the production. It provides an awesome experience to us.



## Industrial Visit

Kerala Solvent Extraction Limited Company (KSE) was established in 1982.

It was started by Mill owners by the name Solvent Extraction. Industrial visit 2019 was conducted on 12th October 2019 to KSE. It is a highly reputed company situated in Irinjalakuda, Thrissur(Dist), Kerala.

In 1990's the company was listed in BSE, Bombay Stock Exchange. The company produced two types of products: cattle feed and Solvent extraction. The company has two plants, one was started in 1982 and other started in 2009. Capacity of one the plant is 500 ton and the other is 240 ton. There are 400 employees in the company, with 3 shifts. The shifts are from 6.00 am to 2.00 pm, 2.00 pm to 10.00 pm and 10.00 pm to 6.00 am. Each shift includes 30-40 employees. 3000 kg of cattle feed is produced from one batch of production. The process of producing cattle feed gets started from assembling raw material. The raw materials used for producing cattle feed include Kopra cake, cotton seed cake, soya bean cake, wheat, husk, ripes and cornes. The main raw material used for producing cattle feed is husk. The Formulation regarding the mixing of raw materials is prescribed by the veterinary doctors. The raw materials were brought and unloaded in the Godown. These Materials are moved to the area of grinding through conveyors. Next stage in producing cattle feed is the grinding stage. All the raw materials were grinded using a machine called a hammer mill. The harmer mill makes the raw materials into fine products. The next stage is steaming and mixing of raw materials. The raw materials are first steamed and then they mix the raw materials. The machine used for mixing is batch mixed. Cattle feeds are produced in the form of pellets. Initially it is produced in the form of dust, then it is changed into pellet form because it creates a safe line and improves flavor and smell. The machine used for making pellet cattle feed is a pellet mill. After the pellets are produced it is very hot and makes the cattle feed cool, for this pellets are put into the cooler. The Pellets are packed only after they are cooled. This is the final stage of production



of cattle feed. The product is packed in a big sac which contains the logo of the company. The packing is done through a machine. The products are stored in the loading area until the vehicles come to load. There are 5 loading points. When the buyer comes with the vehicle to take the product. The products are loaded into the vehicle with the help of elevators. The packages which are damaged are kept aside into an area. As these packages will not be brought by the buyers, they are packed and made available for selling again. The company has branches in Irinjalakuda, Tamil nadu and Koratty. Cattle feed is distributed all over Kerala and Tamil Nadu by the name KS Cattle feed. KSE Ltd produces three types of products, cattle feed, solvent extraction and dairy products. The company branch which produces dairy products and Ice cream is situated in Thrissur. Ice cream is distributed under the brand name Vesta. KSE Ltd company produces 45000 ton cattle feed in a day. From it 18000 to 20000 ton cattle feed are produced from the company situated in Irinjalakuda. These are 3 types of cattle feed premium, real & plus and supreme. Supreme is a high energy cattle feed for milking cows.



## Department Of History

### Study Tour-2016-17

As a part of Study tour, our 3<sup>rd</sup> DC students visited Madurai, Pazani and Kodaikkanal





## Study Tour-2017 -2018

As a part of the study tour, we visited the historically important places in Madurai. The tour was an enriching and memorable experience for students and teachers.



## Study Tour-2018 -2019

A study tour has been conducted for Third-year students to the historically significant places of Madurai and Palani and visited several temples, museums, and handloom weaving production centre.





## Study Tour-2019 -20

Study tour has been conducted for Third year students to the historically significant places of Beloor, Shravanabelagola and Kudagu and visited several temples, museums of historical importance from October 8th to 11th, 2019.

