

**Industrial Visit to Indian Institute of Science, Bangalore**

**Date:** 29th February 2020

**Venue:** Indian Institute of Science, Bangalore



**Abstract:** Indian Institute of Science, Bangalore is one of the most renowned institutes in India. On account of Open Day at Indian Institute of Science, Bangalore, an educational visit was organized on 29<sup>th</sup> February 2020 by the Department of Science, Christ Academy Institute for Advanced Studies. Sixty three students and four faculties under the Department of Science visited IISc so as to inculcate interest in Science. Students were divided into eight teams to explore the experiments and scientific models displayed at the exhibition.

The teams visited the stalls put forth by various Departments at IISc viz; Mathematics, Physics, Chemistry, Earth Science, Computer Science, Data Science, Biological Science.

Few of the topics covered at the exhibition organized by the Department of Mathematics are Paradoxes & Fallacies, Painter's Paradox-Finite volume and infinite surface area, Borromean link, Plato's theorem. They also displayed many games that explained the concepts of Mathematics.

The Department of Physics showcased their models under two topics viz, New & Old physics. The exhibits covered Maxwell's magnetic train, different frequencies of sound, Seebeck & Peltier effects, spinning wheel experiment, 3d models of lasers etc.

Another section of Physics & Mathematics exhibition showcased the experiments like Mobius strip, experiment of rotational motion using a cycle wheel, diffraction pattern, Chandni plate etc.

The Department of Chemical Sciences demonstrated experiments like the chemiluminescence process, Oobleck experiment, Graphite paper circuit, iodine crackers, blue bottle, floating test tube etc.. Working models and reactions which occur in our daily lives, were explained to create curiosity in young minds.

The visit to the Computer Science Block also helped students to understand how machines evolved to become smarter and efficient. The exhibits on generations of computer and storage devices explained about memory capability of different generations of computer and its function. Students also had the chance to visit computational and data science (Supercomputer Education and Research Center) where they saw the super computers and the process of storing the data in supercomputers was explained by the presenters.

Exhibits at the Department of Water Sciences include hydroponics, rainwater harvesting, underground water storage. The water research department explained about geostationary satellites and how to preserve water in case of heavy rain.

The students gained and got ideas of branches of science and its application. The open Day at IISc provided an opportunity to gain knowledge and provoked interest in the minds of students for Science.