



ST FRANCIS DE SALES COLLEGE

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A FRANSALIAN INSTITUTE OF HIGHER LEARNING

Report on Industrial visit/Experiential Learning

Title	Industrial visit/Experiential Learning
Date of Event(s)	02.09.2021
Department / Association	Mathematics / Ad-Infinitum
Place of visit/ details of Industrial visit place (if applicable):	AMC Engineering College Bannerghatta
Number of Participants	04

Objective of the program

To get the practical knowledge of mathematical tools used in different streams of Engineering. Also to familiarize with the Mathematical softwares used in Engineering.

Report: The Department of Mathematics Postgraduate Centre organized an Industrial visit to AMC Engineering College, Bannerghatta on 02/09/2021.

We were welcomed by Dr.G Gangadhara Reddy, head of the department of Mathematics.

First we visited the Mechatronics department and met the head of the department

Dr.Amritan. He briefly explained the role of mathematics in engineering. And in particular he explained how Numerical analysis is used in Mechatronics. By taking real life examples he gave an extraordinary explanation about the Finite Element Method. Then we were introduced to his colleagues. They were expert in Model making, analysing and finding solution for the real life problems using Computer softwares. Amazing presentation of three dimensional modeling using mathematical equations were shown. Students solved a problem with them using softwares and analysed the physical nature of the problem just by looking at the desktop. Students got glimpses of how mathematical tools can be used to solve real life problems.

That ended the morning section and we left for lunch at College mess.

Afternoon section was started at the Electricals and Electronics Engineering Department.

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We were welcomed by Dr. Bhanu Prakash, Head of the department. He had many years of teaching and research experience. He briefed about his subject and how math is used there. We were introduced to their lab, and briefly explained the components and their use. Soon after that we met Principal of AMC Engineering College, who himself a professor in Automobile Engineering showed his Department lab and explained about latest machines gifted to them by Industries. He showed the research work happening in their college.

We finished our experiential learning by visiting the Civil Engineering Lab. At the end we met Dr. Gangadhar Reddy again and he explained to students how to go for research and their further education.

Outcome of the Programme:

Students got a glimpse of how mathematics can be used in applied sciences.

The topics which they learnt abstractly, were analysed using Computer softwares.

The scope for research in mathematical engineering.


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