



ST FRANCIS DE SALES COLLEGE

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A FRANSALIAN INSTITUTE OF HIGHER LEARNING

Report on Field Work – Visvesvaraya Museum

Title	"Explore the Science Behind Technology"
Date of Event(s) & Time	22nd July, 2022
Department / Association / Cell / Committee	Computer Applications
Venue	Visvesvaraya Industrial & Technological Museum
Number of Participants	109
Target Audience	2 nd Sem BCA and 2 nd Sem BSC

Objective of the Field Work

The Department of Computer Applications organized Field visit to the Visvesvaraya Industrial & Technological Museum, Bengaluru for an industrial visit on **22nd July, 2022(Friday)** for **2nd Sem & 4th Sem Computer Science students**. The main objective of this visit was to **"Explore the Science Behind Technology."** The Science Behind Technology follows the intertwined histories of science, technology, and society, focusing mainly on the technology of communication. It elucidates how technological developments are inspired by scientific investigations and these investigations are inspired by inventive technology. Prof Lakshmi CB, Prof Saranya & Prof Gowthami accompanied students to the industrial visit. Students were taken to Cubbon Park where few team building activities were conducted and they participated enthusiastically.

Following are the activities explored by the students

- Tara Mandal Show
- Sky Observation Programme
- Popular Science Lecture
- Commemorative Programme
- Wright brothers aero plane



- Science on a Sphere
- Dinosaur Enclave
- Space Technology Gallery

About Museum:

Visvesvaraya Industrial and Technological Museum, Bangalore (VITM), a constituent unit of National Council of Science Museums (NCSM), Ministry of Culture, Government of India, was established in memory of Bharat Ratna Sir M. Visvesvaraya. A modest building with a built-up area of 4000 sq. mtrs., was constructed in the serene surrounding of the Cubbon Park, housing various industrial products and engines, which was opened by the first Prime Minister of India, Pandit Jawaharlal Nehru on 14.07.1962.

The first gallery set up at VITM on the theme Electricity was opened to the public on 27.07.1965 by the then Union Minister for Information & Broadcasting & Bharat Ratna Indira Gandhi.

Students explored the space gallery, following are the learning experience

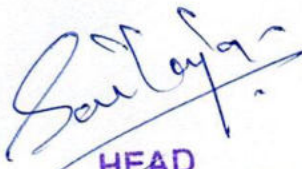
- Engine Hall exhibits engines of various cars, machines used in industry, a jet aircraft engine, and other mechanical devices.
- The How Things Work gallery is an attempt to explain the fundamentals of machines through interactive exhibits. Exhibits include the pulley system, gears, different ways of transferring motion, reducing effort by levers, inclined planes, and screws. Another section deals with the application of these simple machines in daily life.
- The Fun Science gallery that displays exhibits on the science of sound, optics, fluids, math, and perception.
- The Electro Technic Gallery contains interactive electrical exhibits which work on the basic principles of electricity, electronics and communication. A renovated version of the Electro Technic gallery was opened to public on 8 April 2010. This gallery exhibits the classical experiments like Oersted's experiment, Barlow's wheel, and Faraday's ring. A demonstration on electrostatics, which includes a Tesla coil and a Van de Graaff generator is on display.
- The Space – Emerging Technology in the Service of Mankind gallery showcases the achievements of the Indian Space Program. It was inaugurated on 19 June 1999. The Gallery was renovated with guidance of Indian Space Research Organization and reopened as Space Technology on 28 November 2017 by A. S. Kiran Kumar and Krishnaswamy Kasturirangan. It is the first Science Gallery in India dedicated to Space and Space Technology.
- The Biotechnological Revolution Hall has exhibits on the basics of biotechnology and its applications, including human genome sequencing. It opened on 4 January 2003. This exhibition has been renovated with new interactive exhibits and displays. This new-look exhibition was opened to public as 'Biotechnology' Gallery on 15 February 2021.



- The BEL Hall of Electronics was inaugurated on 29 June 2004 in collaboration with Bharat Electronics Ltd (BEL). This gallery has exhibits on the basic principles of electronics and information technology.
- The 'Science for Kids' gallery was inaugurated on 19 April 2019. There are exhibits on Our Senses, about animals, colours, light, sound etc. apart from interactive toys. There is an exhibit where kids can take photos of themselves with life-size animal models. 'Mirror maze' is another attraction in this gallery.
- The Dinosaur Alive exhibit has a moving replica of a Spinosaurus. This pneumatically operated dinosaur can move its head, hands and tail and roll its eyes at the visitors.
- The Science on a Sphere facility was opened on 28 July 2014, in celebration of the golden jubilee of VITM.
- The Wright Brothers exhibit, also added in 2014, includes a 1:1 scale model of the Wright Brothers' Flyer, fabricated in-house, and a flight simulator.

Outcome of the Visit

The visit has promoted students to unknown worlds, spark their imagination and provide them with valuable Practical learning experiences.


HEAD
 Department of Computer Applications
 St. Francis de Sales College
 Bengaluru - 560 100.


PRINCIPAL
 St. Francis de Sales College
 Electronics City Post, Bangalore - 560 100

Field Work
Visvesvaraya Museum

List of Students:

Date: 22-07-2022

S. No	Reg No	Name
1	U03AE21S0019	CHAITHRA MALA CM
2	U03AE21S0024	HARSHITH P
3	U03MB21S0046	ANU A
4	U03MB21S0049	AKSHAY D
5	U03MB21S0050	ALEX LEO M
6	U03MB21S0074	ARPITHA K N
7	U03MB21S0075	AMBROSE R
8	U03MB21S0076	AKSHATHA D B
9	U03MB21S0077	ARPIT SHARMA
10	U03MB21S0078	ASHWINI P
11	U03MB21S0080	BHIMANA GOWDA Y
12	U03MB21S0081	BHAVANA D
13	U03MB21S0082	BHARGAVI R
14	U03MB21S0083	CHETHANA B
15	U03MB21S0084	DEEPAK L
16	U03MB21S0085	DEVI PRIYA R
17	U03MB21S0086	DEVIKA M
18	U03MB21S0087	GOWTHAMI V S



19	U03MB21S008 8	HASEEBA AFREEN I
20	U03MB21S008 9	KISHORE BABU R
21	U03MB21S009 0	LOGESHWARE B
22	U03MB21S009 1	NITHISH KUMAR R
23	U03MB21S009 2	NARESH BABU M
24	U03MB21S009 3	PATRICK IMMANUEL DAVID N
25	U03MB21S009 4	PAVAN K
26	U03MB21S009 5	POORNIMA S
27	U03MB21S009 7	PRAVEEN B
28	U03MB21S009 8	RAMYA R
29	U03MB21S009 9	RAVICHANDRA M R
30	U03MB21S010 1	RAKSHITHA S
31	U03MB21S010 3	SHERWIN ANTONY
32	U03MB21S010 4	SAHANA B
33	U03MB21S010 5	S CHARAN
34	U03MB21S010 7	SAM EPHREIM WILLIAM
35	U03MB21S010 8	SANGEETHA
36	U03MB21S010 9	SHIKHA
37	U03MB21S011 0	SHILPA A
38	U03MB21S011 1	SINDHU L
39	U03MB21S011 2	SWATHI M P
40	U03MB21S011 3	SWETHA K S
41	U03MB21S011 4	SYED ABUSUFFIYAN H



42	U03MB21S011 5	SNEHA A
43	U03MB21S011 6	THANISHA S
44	U03MB21S011 7	THARUN D
45	U03MB21S011 8	VANDANA S
46	U03MB21S011 9	VANISHREE R
47	U03MB21S012 0	YASHASWINI M
48	U03MB21S012 1	YATHIN SUHAS Y
49	U03MB21S012 2	NAGESH K
50	U03MB21S012 3	NAGARJUN N
51	U03MB21S012 4	MAHALAKSHMI R
52	U03MB21S012 5	MITHUN M
53	U03MB21S012 6	AKSHAYA M R
54	U03MB21S012 7	APARNAA K C
55	U03MB21S012 8	KUMAR SWAMY P
56	U03MB21S012 9	NIDHIN V RAJESH
57	U03MB21S013 0	ABHIJITH K S
58	U03MB21S013 1	SAKTHI P
59	U03MB21S013 2	SREE HARAN M
60	U03MB21S013 3	ANKIT ROY
61	U03MB21S013 4	STANIA MARY ISAC
62	U03MB21S013 5	THANUJ R
63	U03MB21S013 6	VASANTH R
64	U03MB21S013 7	T ANWAR BASHA
65	U03MS21S0138	CHANDAN KUMAR M



66	U03MS21S0194	CHANDAN G
67	U03NG21S0056	YASHWANTH K
68	U03NG21S0066	PRAJWAL A
69	U03NG21S0096	SUDARSHAN N

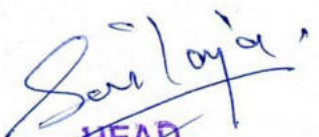
2nd SEM B.Sc.

S.NO	Name	Roll No	
1	NISHAND A S	U03MB21S0004K	
2	NITHIN V	U03MB21S0005K	
3	RAJESH D	U03MB21S0007K	
4	ROSHAN KUMAR S	U03MB21S0008K	
5	SIMHADRI S	U03MB21S0009K	
6	SUMAN KUMAR B S	U03MB21S0010K	
7	BHARATH Y	U03MB21S0011K	
8	SIDESH P	U03MB21S0012T A	
9	SUSHMITHA R	U03MB21S0013T A	
10	YESHWANTH S	U03MB21S0014T A	
11	GANESH M	U03MB21S0015K	
12	PURUSOTHAMAN M	U03MB21S0016T A	
13	SHRAVAN KARTHIK	U03MB21S0022H	
14	SATISH KUMAR K S	U03MB21S0023K	
15	DOSAR BALAJI A	U03MB21S0025T A	
16	HITHESH K	U03MB21S0026K	
17	JINGADE PRIYA	U03MB21S0027H	
18	LIKITH KUMAR S	U03MB21S0028K	
19	M KAVYA	U03MB21S0029K	
20	S NAMRATHA	U03MB21S0031T A	
21	PALLAVI T	U03MB21S0032K	
22	PAVITHRA R	U03MB21S0033K	
23	POOVIZHI D	U03MB21S0034K	

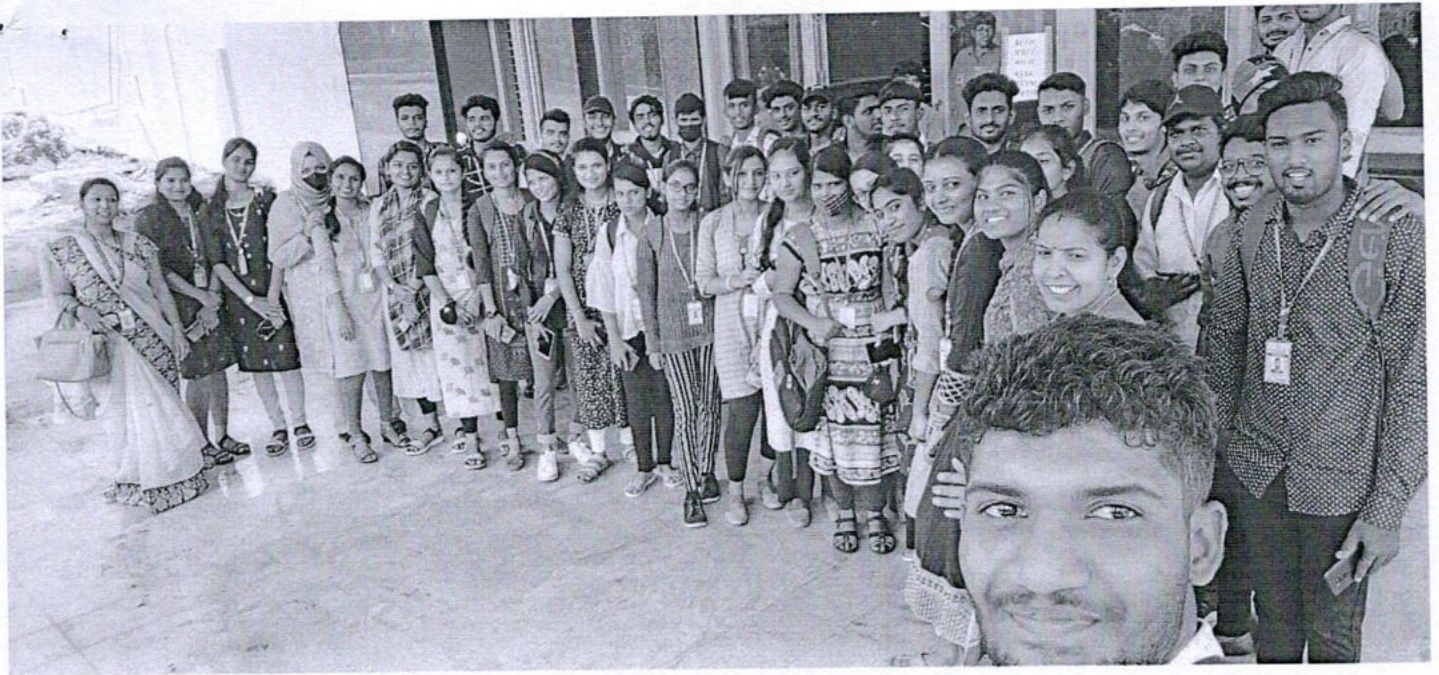

HEAD
 Department of Computer Applications
 St. Francis de Sales College
 Bengaluru - 560 100



24	SADIQ ALI J	U03MB21S0035T A	
25	SHAKTHI SHALINI	U03MB21S0036H	
26	NIVEDITHA KARTHIKEYAN	U03MB21S0037H	
27	DEV ANAND S P	U03MB21S0038T A	
28	TARUN SINGH	U03MB21S0039T A	
29	DEVANAPALLI REVANTH KUMAR REDDY	U03MB21S0040TE	
30	CHANDANA B	U03MB21S0041K	
31	KANISH KUMAR v	U03MB21S0043T A	
32	BOMMADEVARA SAI TEJA SRI	U03MB21S0044H	
33	T R SRINIDI	U03MB21S0047H	
34	VARSHITHA G S	U03MB21S0048K	
35	DIVYA HM	U03MB21S0051K	
36	KAVYA N	U03MB21S0052K	
37	CHARAN M	U03MB21S0055K	
38	JOSEPHINE MARY J	U03MB21S0056K	
39	SANIYA SHARMA	U03MB21S0057K	
40	SURAJ N	U03MB21S0058K	


HEAD
 Department of Computer Applications
 St. Francis de Sales College
 Bengaluru - 560 100.





Santaya
HEAD
Department of Computer Applications
St. Francis de Sales College
Bengaluru - 560022

