



All Saints' College

Thiruvananthapuram

Re-accredited with A+ Grade by NAAC



Criterion 2

2.3.1 - Student centric methods used for enhancing learning experiences

- Experiential Learning
- Participative Learning
- Problem Solving

FACTORY VISIT TO TRAVANCORE TITANIUM PRODUCTS LIMITED

ON 24/3/22 AND 30/3/22



ALL SAINTS' COLLEGE

THIRUVANANTHAPURAM



DEPARTMENT OF CHEMISTRY

B.Sc CHEMISTRY MAIN

FACTORY VISIT REPORT

Name DEVIKA MOHANAN S

Class & No B.Sc CHEMISTRY (FINAL YEAR) / Roll No: 20

Reg. No 23519100020

Examiners: (1)

(2)

Teacher in charge



ACKNOWLEDGEMENT

First and Foremost, I thank God, Almighty for giving me an opportunity to visit TRAVANCORE TITANIUM PRODUCTS LIMITED. I would like to thank our professors and the teachers who accompanied us during our factory visit. I would like to express my ~~self~~ grateful gratitude to the officials of Travancore Titanium Products Limited, who took much interest in briefing the working of the factory before taking us around. I am also thankful to the guide who explained to us about the employment aspects and the preventive measures and the programmes launched to reduce the extent of pollution. I think for each and everyone of us, the trip to Travancore Titanium Products Limited was much interesting and informative.

STUDY TOUR REPORT

Report submitted

In partial fulfillment of the requirement for the award of B.Sc Degree in Physics



UNIVERSITY OF KERALA

By

ASWATHY REGHUNATH

REG. No.: 23019100016



DEPARTMENT OF PHYSICS
ALL SAINTS' COLLEGE
THIRUVANANTHAPURAM
2022

CERTIFICATE

This is to certify that this is a report of Study Tour conducted at **Central Laboratory for Instrumentation and Facilitation (CLIF), University of Kerala, Kariavattom Campus**, towards the partial fulfillment for the award of B.Sc in Physics under the University of Kerala in the year 2022.

Dr. Anjana P S
Dr. Anjana P S
Head of The Department
Department of Physics



Dr. Dhanya Chandran
Dr. Dhanya Chandran
(Guest Lecturer)
Department of Physics

Place:

Date:

External Examiners:

1)

[Signature]
11/5/22

2)

[Signature]
11/5/22



ASC UNION 2021_22



MALAVIKA S
Chairperson



ALEENA SELESTINE
Vice Chairperson



GADHA VIJAYAN
General Secretary



SUHAILA SHIYAS
MAGAZINE EDITOR



AMRITHA GIJ
Councillor



ADITHYA CHANDRAN
Councillor



S R NANDINI
Arts Club Secretary



ARATHI A S
SPORTS SECRETARY



RINCY R FERNANDEZ
DC II Representative



ALEENA ANNA KOSHY
DC I Representative

PAITHRUKA

DEPARTMENT OF HISTORY



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PAITHRUKA
KAR Baita' Cullen
Thiruvananthapuram



Reshmi

Principal
All Saints' College
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Reshmi

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All Saints' College, Trivandrum

Performance Report - Entrepreneurship Development Club

Reg No.EDC/TVM/43/17

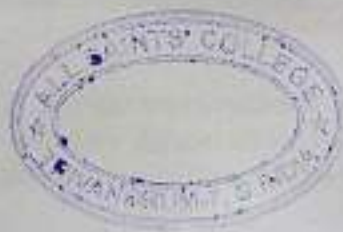
2021-2022 Academic Year

No. of members: 57

Coordinator: Smt. Lissy Bennet, Assistant Professor, Department of Commerce

Activities Conducted

1. On 27/11/2021, Entrepreneurship Development Club of All Saints' College organises an awareness programme in association with District Industries Centre, Trivandrum. The program started with a prayer by Ms. Bhadra of B.Com Finance. Dr. Sangeetha S., Assistant Professor, Department of Commerce, delivers the welcome address. The program was chaired by Mr. Chandrababu M., Assistant District Industries Officer, Thiruvananthapuram, and inaugurated by Mr. Vinod Kumar S., General Manager, District industries Centre, Thiruvananthapuram. The program was felicitated by Sheffin M.B., Industries Extension Officer, Thiruvananthapuram. The lecture sessions was handled by Dr. C.K. Rashid, Corporate Trainer on the topic "Kindling Entrepreneurship" and Mrs. Shalin John on the topic "Words with a successful entrepreneur". The students interacted with the resource persons and the sessions was very interesting and thought provoking. The program concludes by delivering vote of thanks by Dr. Lissy Bennet (Co-ordinator), Assistant Professor, Department of Commerce. The programme was in online mode - Zoom. Meeting ID : 890 783 5188, Passcode : 918819. No. of students participated : 100.



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2. On 20/11/2021, Entrepreneurship Development Club in association with Maggie organizes a live demonstration on "Magic in Minutes" at 11.30 am through Google Meet. No. of Students participated : 100



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Report (2021-2022)

IEDC (Innovation and Entrepreneurship Development Centre)

Nodal Officer: Dr. Lissy Bennet, Assistant Professor of commerce

As part of Youth Entrepreneurship, Kerala Start up Mission sanctioned the establishment of IEDC in All Saints' College, Trivandrum on 16/09/2020. Order No. KSUM/613/2020. IEDC Centre is a venture to promote Innovation and Entrepreneurial culture in Educational institutions and to develop Institutional mechanisms to foster Techno-entrepreneurs. During the academic year 2021-2022, IEDC organises 10 programs which is listed below:

1. Meet the Entrepreneur:

IEDC, in association with Department of Commerce organized Meet the entrepreneur on 27th of July 2021. The host was Sri. Kochouseph Chittilapilly, Founder-Chairman of V-Guard Group Chain of Amusement Parks (Wonderla). The programme comprised of participants belonging to the Commerce stream (B.Com Finance, B.Com Travel and Tourism, PG Department of Commerce, ED Club members, IEDC Members and faculties from various disciplines)



2. Faculty Development Programme - "Role of IEDC in Innovation to Entrepreneurship"



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Innovation and Entrepreneurship Development Center of All Saints', Trivandrum organized a Faculty Development Programme on "Role of IEDC in Innovation to Entrepreneurship" on 29th July, 2021 from 2.00pm to 5.00 pm. The Resource Person was Prof. R. Pradeep Raj, Asst. Professor, Dept. of Mechanical Engineering and Head-Innovation Centre, Mohandas College of Engineering and Technology. The program had covered various topics such as working of IEDC, selecting students lead, organizing boot camp and other programs, preparation of books of accounts etc. No. of Participants – 33.



3. Workshop on Machine Learning

Innovative Entrepreneurship Development Center of All Saints' College in association with LIVEWIRE, Trivandrum organized a one day workshop on Machine learning on 9th October, 2021, from 2.00 pm to 5.00 pm. The Resource Person was Mrs. Parvathy, Senior Engineer at LIVEWIRE, Trivandrum. The program was compered by Ms. Karishma Augustine from first year B.Com Finance followed by a Welcome speech by Ms. A S Ananya, first year English Literature student. Mrs. Parvathy started her presentation and had covered various topics such as Data Sources, Data Science – its importance and scope, Machine Learning and its algorithms, Types of Data, Data Analysis, Outliers, Data Visualization and also about



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the Anaconda Software. The workshop was conducted smoothly and was concluded with the vote of thanks by Ms. Malavika S. from first year B.Com Finance. No. of students participated – 82



4. Workshop on Artificial Intelligence

Innovation and Entrepreneurship Development Center of All Saints' College in association with LIVEWIRE, Trivandrum organized a one day workshop on Artificial Intelligence on 16th October, 2021 @2.00 pm. The Resource Person was Mrs. Parvathy, Senior Engineer at LIVEWIRE, Trivandrum. The program was compered by Ms. Jasmin R.J. from first year B.Com TTM followed by a Welcome speech by Ms. Malavika S. of first year B.Com Finance. Mrs. Parvathy started her presentation and had covered various topics such as applications of Artificial Intelligence, Bio-neural network, artificial neural network. The workshop was conducted smoothly and was concluded with the vote of thanks by Ms. Gowri Mahesh from first year B.A. English Literature. No. of students participated – 100



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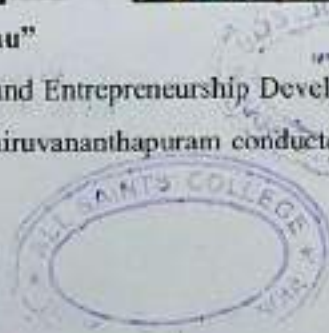
5. Webinar on Innovative Entrepreneurship

A webinar was organised by the Innovation and Entrepreneurship Development Centre of All Saints' College on the 30th of October 2021 from 10.30 to 11.45 on the Google Meet Platform. The resource person for the day was Dr N. Pradeep Kumar, Assistant Professor and Research Supervisor who gave a talk on the topic – “Innovative Entrepreneurship”. It was a very informative talk with illustrations on how innovations have been made with reference to things that we use on a day to day basis. The Webinar was held on the Google Platform and the following link was used.



6. Workshop on “Tableau”

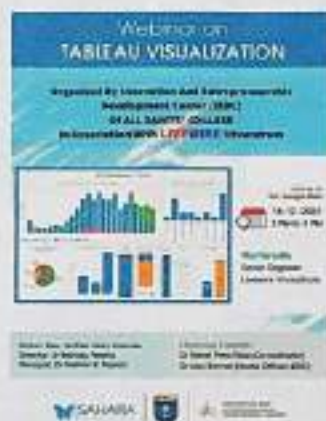
The Innovation and Entrepreneurship Development Centre (IEDC) All Saints' College, Thiruvananthapuram conducted online workshop on



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the topic "Tableau" on 18.12.2021 from 2.00 – 5.00 pm on Google Meet Platform using the link - <https://meet.google.com/ssw-oecv-swk> . The resource person for the webinar was Ms Parvathy Dinooop, Business Skill Senior Faculty, Senior Engineer, Livewire, Trivandrum. There were 94 participants and the resource was very systematic in the way she presented the content. With the aid of the powerpoint, and with various examples, Mrs. Parvathy was able to convey the complicated topic to the students in a very graphic manner.



7. Workshop on LED Light Fabrication

IEDC in association with Department of Physics organized one day workshop/hands on training on LED Light fabrication on 18/11/2021. The main objectives of the program was to equip the students with technical knowledge about LEDs and also develop the skill of assembling and testing LED lamps/tubes. This make them aware about the need of energy conservation and thereby promoting the use of renewable energy sources in the future. The training started at 10 am at the Physics department. A total of 29 participants were present for the session. This included first, second and third year UG students from various disciplines and IEDC members. Mr. Akash A R and Mr. Rahul Chandran R were serving as the



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resource persons for the session. They made the students aware of the making of LED lamps and tubes. There was a wonderful interactive session where the students interacted with the trainers, clarifying their doubts.



8. International Seminar on "Diaspora Entrepreneurship"

An International Seminar was organized by IEDC in association with PG Department of Commerce on the topic "Diaspora Entrepreneurship ",on 14th and 15th of December 2021.The seminar consisted of participants belonging to the IEDC members, UG and PG Department of Commerce of All Saints' College and Research Scholars. The first day of the International seminar was held offline.Dr Gabriel Simon Thattil,Dean,Professor and Head of the School of Business Management and Legal Studies and IQAC coordinator of the University of Kerala formally inaugurated the ceremony by lighting the lamp.Dr Gabriel Simon Thattil spoke on the topic "Entrepreneurship Culture and Development" The second part of the session was taken over by Dr MS Jayakumar,Assistant Professor of Sociology and Director,Centre of Diaspora Studies,University of Kerala.He discussed various aspects regarding "Social versus Economic Investment of Remittance in Developing Society".The participants got their doubts cleared,which lead to a very interactive form of the



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seminar. Various research scholars from different colleges, presented their papers on certain topics. Dr Jiji Vijayan, Assistant Professor and Head of the Department of Economics of All Saints' College also took active part in the seminar. By that, the session came to an end. The second day of the seminar was held online through Google meet. Dr Kavitha Chavali, Associate Professor, Finance College of Commerce and Business Administration, Dhofar University, Sultanate of Oman was the Chief Guest. The topic which was discussed was "Diaspora Entrepreneurs in India weaving a new global fabric. It was a really enlightening and a thought provoking session. The International seminar on Diaspora Entrepreneurship successfully took place by the kind cooperation and active participation of all the participants.



9. Report on Artificial intelligence and Machine learning

The Virtual Workshop on Artificial Intelligence and Machine Learning was conducted by ICT Academy of Kerala. This workshop introduces several fundamental concepts and methods for Artificial Intelligence and Machine Learning. The objective is to familiarize the students with some basic learning algorithms & techniques and their applications by which they can gain a practical insight about the work. An orientation program was conducted on 23/10/2021 through online platform. Classes were conducted



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Report of Young Innovators Programme (2021-2022)

Young Innovators Programme is a specially designed programme under Kerala Development and Innovation Strategic Council (K-DISC). The programme aims to empower future innovators to innovate new products, services or models to meet emerging requirements, unarticulated needs, or existing market needs of the society more effectively through an innovative challenge.

In this academic year, the following list of students registered and submitted Ideas for YIP.

Name of Students Registered	Ideas Generated	DC II B COM Finance
Radhika S G Adhitya Vijayan	Smart Bin	DC II B COM Finance
Anupama B S	Paper pen	DC II B COM Finance
Asna S N Smifi V	Cyclical product	DC II B com Finance
Rini Vidhya. Olson	Pets Belt	DC II B com Finance



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