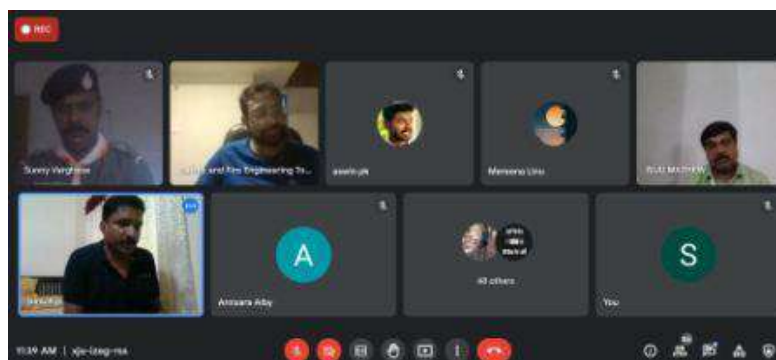
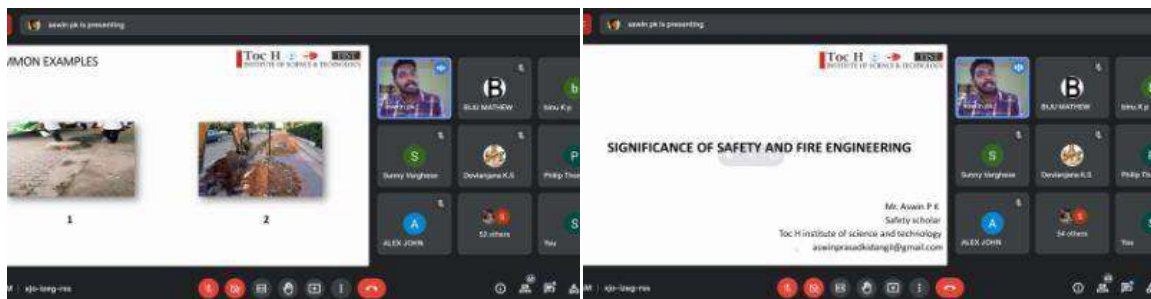


ASSOCIATION AND ACTIVITIES 2020– 2021

- **Safety Awareness Programme**

Safety awareness webinar was given to school students of Mar Coorilose Memorial Higher Secondary School, Pattimattom on 10th July 2021. This the second programme done through the department student wing and Mr. Aswin P K of 6th Semester handled the session. The programme is organized with the aim of spreading awareness on safety to the young minds and to enable them to spread the message to their community.



- **BBS Day Celebration**

Behaviour based safety day was celebrated on 22nd June 2021. The department in association with National Safety Council- Kerala Chapter organized a webinar on “Introduction to Behaviour Based Safety” handled by Dr. Ramesh V M (Senior Manager (F&S) Retd.- BPCL Kochi Refinery; Hon. Secretary, NSC-KC).

Toc H INSTITUTE OF SCIENCE & TECHNOLOGY

TIST

ISO

INTRODUCTION TO BEHAVIOUR BASED SAFETY

22nd June 2021
7:00 PM to 8:00 PM
Online platform

Dr. Ramesh VM
 Senior Manager (F&S) Retd.
 BPCL - Kochi Refinery
 Hon. Secretary, NSC-KC, Ernakulam, India

Department of Safety and Fire Engineering
in association with
National Safety Council - Kerala Chapter

REGISTER NOW!

Certificate will be issued to all participants

Toc H Kochi

22

Introduction to Behaviour Based Safety

Dr. Ramesh VM
 secretary@nsckerala.org
 +91 98950 82818

Webinar organized by Toc H Institute of Science and Technology
 June 22, 2021

NSC-KC

www.nsc-kc.org

HSE

NSC-KC

Behaviour Based Safety Pledge

I solemnly affirm that I will do everything possible for the prevention of UNSAFE ACTS at worksite by conducting Behaviour Based Safety Observations. I will give the feedback for any behaviour corrections for the prevention of accidents, occupational diseases and protection of environment in the interest of self, co-workers, my family, my organization and the nation at large. I will keep my eyes open to identify unsafe behaviours and will correct them.

- **National Level Technical Fest- AGNIVO '21**

The department conducted AGNIVO '21- National Level Technical Fest hosting various technical and non- technical events on 18th, 19th and 20th June 2021. The event witnessed participants from different streams and levels of education and provided a platform for them to showcase their skills.



- **CPR Training and Basic First Aid Workshop**

Technical workshop of Cardio-Pulmonary Resuscitation (CPR) and Basic first aid needed in case of household medical emergency was conducted on 18th June 2021 as a part of the National level Tech fest Agnivo '21 (Department of Safety & Fire Engineering). The session was handled by Mr. Karthik Rajeev (Grad IOSH). Participants from various parts of the country benefited from this session.

Toc H INSTITUTE OF SCIENCE & TECHNOLOGY

TIST

CPR TRAINING & BASIC FIRST AID WORKSHOP

18th June 2021
10:00 AM
Online platform

REGISTER NOW!

Karthik Rajeev
Grad IOSH

REG FEE : ₹25

Noyal
7356435747

Contact No:
Aswin P.K : 8547206457
Ashwin R : 8139865540

E - certificates will be issued to all participants.

Organised by
Department of Safety and Fire Engineering



AIMS OF FIRST AID

- To preserve life.
- To prevent further injury & worsening of casualty's condition.
- To promote recovery.

FIRST AID FOR CHOKING

- Confirm severity – Ask – are you choking?
- Partial obstruction – Difficulty in speaking, coughing or breathing.
- Complete obstruction – Inability to speak, cough, loss of consciousness.

- **Cyber Crime amid COVID 19 – Webinar**

An awareness talk on Cyber safety and the cyber crimes happening during the current scenario when everyone is learning and working online was organized on 13th June 2021 as a part of the National level Tech fest Agnivo '21 (Department of Safety & Fire Engineering). The session was conducted in association with Cyberdome, Kochi and was handled by Mr. Binoy Joseph from the Cyber crime investigation cell.

Toc H INSTITUTE OF SCIENCE & TECHNOLOGY

TIST

AGNIVO

BINOY JOSEPH
Cyberdome Kochi

Cyber Crime Amid COVID-19

TOC H WEBINAR SERIES

13th June 2021 REGISTER NOW!
6:30 PM
Online platform

Organized by
Department of
Safety and Fire Engineering
in association with
Cyberdome, Cochin

ISO 9001:2015
ISO 14001:2015
ISO 45001:2018

Toch Kochi

Don't share passwords

- It may sound silly.....
- Who in their right mind shares their password, right?
- **Sometimes relationships change before your password does.**
- Use your discretion and keep those passwords private and complicated.

BINOY JOSEPH
Cyber Crime Investigator at Cyber Crime Investigation cell, Kochi City Police

Binoy Joseph is working in the Cyber Crime Investigation cell, Kochi since its inception in the year 2008.

He has worked, handled and empowered Agnivo and every participant and by endorsing the quality and efficiency of investigations of the crimes reported in the state.

He has also a brief stint of 2 years with the National Investigation Agency, NIA, investigating the major terror related cases in India.

He is one of the core members of the organizing committee team which led off the International Cyber Security and Safety through Agnivo '21 (www.agnivo.org) in the year 2008 which is hosted by Kerala Police.

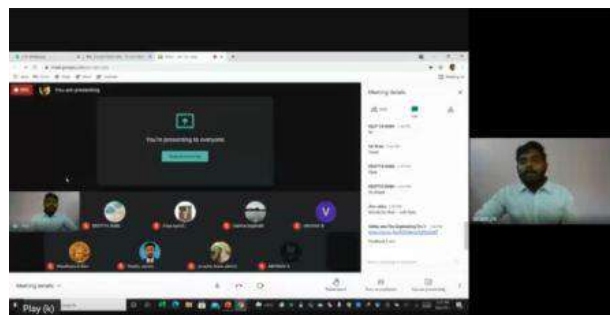
He is also the Core team member of the COSE (Council of Cyber Security) which is a platform involving user formed by Kerala Police with its training and support response.

He has successfully got up all Cyberdome in Kochi Cyberdome which is the Centre of Excellence for Kochi City.

He has been selected to the Agnivo '21 Steering body following years in Cyber Security 2019 Council University, which is given by the government. The Steering body is a security research oriented by career professionals with demonstrated leadership potential in the field of cyber security or cyber policy in India.

- **Safety Awareness Programme**

Safety awareness webinar was given to school students of Bhavan's Vidya Mandir, Pathanamthitta Kendra on 6th June 2021. The programme was done through our student wing and Mr. Aswin P K of 6th Semester handled the session. The programme highlighted enthusiasm from the school students to know more about the significance of safety and fire engineering.



- **World Environment Day Celebration**

World Environment Day was celebrated on 5th June 2021 with the theme Ecosystem Restoration. The events included a webinar on “Environmental Safety Management in Chemical Process Industry” handled by Dr. Babu Jose Deputy General Manager – FACT. A Technical Quiz on Environmental Safety and Ecosystem restoration was also conducted.



- **Technical talk on Advancements in Industrial Safety**

Three day webinar “Technical talk on Advancements in Industrial Safety” was organized from 4th June 2021 to 6th June 2021. Mr. Nihal Muhammed M A (Assistant Manager – Fire and Safety) from The Fertilizers and Chemicals Travancore Limited, Mr. Abhijith Sunil (Junior Executive – Fire Services) from Airport Authority of India and Mr. Harikrishnan M (Engineer – Fire and Safety) from ONGC Mangalore Petrochemicals Limited on the respective days. The schedule included topics on Fire protection in Petroleum and petrochemical industry, Airport rescue and fire fighting service and A case study on Styrene vapour leak incident in LG polymers.

Toc H INSTITUTE OF SCIENCE & TECHNOLOGY

KEY SPEAKERS

- Nihal Muhammed M A (04-06-2021)**
Fire Protection In Petroleum And Petrochemical Industry
- Abhijith Sunil (05-06-2021)**
Airport Rescue And Fire Fighting Service An Overview
- Harikrishnan M (06-06-2021)**
Case Study On Styrene Vapour Leak Incident At LG Polymers

REGISTER NOW!

2021
June 04th, 05th & 06th
6:30 PM
Online platform

Topic:
Technical Talk on Advancements in Industrial Safety

Organized by
Department of Safety and Fire Engineering

E-Certificate will be issued to all participants

ISO 9001:2015

Toc H Kochi

LG Polymers

- The Unit was first started in 1961 for manufacturing alcohol from microsites.
- In 1967, the unit was modified for Polyethylene & Co-Polymer.
- The company was taken over by current management, LG Chemicals (South Korea) in 1999.
- The range of products being manufactured are:
 - General purpose polyethylene pipes
 - High impact Polyethylene (HPI)
 - Acrylonitrile butadiene styrene
 - Engineering Plastic Composites
- Major Raw Materials:
 - Oil Refining Residue
 - Oil Refining Gasoline
 - Oil Refining

The incident took place in the 1st tank used for storage of Styrene Monomer.
Operating Capacity of 200 KL.
D: 18 m & 11.12.15 M
PTSD license for Class B petroleum.

AIRPORT RESCUE & FIRE FIGHTING SERVICES AN OVERVIEW

Down stream - Refinery

- crude oil is transformed and refined into useful products such as
 - Liquidated petroleum gas
 - Petroleum naphtha,
 - Gasoline
 - Diesel fuel
 - Asphalt
 - Kerosene
 - Air-craft turbine fuel
 - Fuel oils
 - Petroleum Coke

Major oil refining companies in India are: BPCL, IOCL, HPCL, ONGC, NTPL, Nipam Energy, Reliance industries, HPCL - Mitsui energy limited Etc.

- **Alumni Meet**

The alumni meet (SAMT 2021) of 2013-17 batch was organized through an online platform on 23rd May 2021. The programme invited interaction from alumni on the demands from the industry and how to achieve it through skill development. It also included an informal session to exhibit their talents and to interact with the faculty.



- **Road Safety Awareness Talk**

As a part of the theme of National Safety day “Road safety” the First-year students of Safety and Fire Engineering Krishanand, M A Cherian, and Jeswin John Michael gave a brief awareness session for the students of various departments on the significance of following road safety. The Fourth Year students Gopu Purushotham, Ebin Xavier, and Alfin Thomas took initiative to organize the event.



- **National Safety Day**

The 50th National Safety Day was observed on March 4. The theme for this year is Road Safety. The program included a Flag hoisting and Safety message by Principal Prof. (Dr.) Preethi Thekkath, Safety Pledge delivered by Asst. Prof. Stephy James followed by a Safety message from the Head of Department (Safety and Fire Engineering) Asst. Prof. Thomas A Vetteth.

