



# B.M.S. COLLEGE OF ENGINEERING, BENGALURU

Autonomous Institute, Affiliated to VTU

## Department of Chemical Engineering

The Department of Chemical Engineering has secured the **Third place** in the **Project Stall Exhibition** during the International Annual Technical Symposium, Phaseshift 2022, held at BMSCE on the 25<sup>th</sup> and 26<sup>th</sup> of November, 2022. The department Project Stall and Symposium activities were co-ordinated by Dr. Sreelakshmi Diddi, Faculty-Cordinator, Phaseshift 2022.





**B.M.S. COLLEGE OF ENGINEERING, BENGALURU**  
Autonomous Institute, Affiliated to VTU  
**Department of Chemical Engineering**

**Report on AIChE Activity: Pursuit of Dispute Held on  
25 November 2022**

1. **Name of the Department:** Chemical Engineering
2. **Name of the Activity:** Pursuit of dispute
3. **Objectives:**
  - To flip the sides and speak both for or against the topic related to the industry.
  - To connect the topics of chemical engineering and their industries to datafication and digitalization.
  - To expand their skill set and express themselves in front of an audience and improve their verbosity.
4. **Date, Time Venue of the Activity:**

**Date:** 25/11/2022  
**Time:** 9:00 am  
**Venue:** Room 3002, third floor, PG Block, Chemical Engineering Department, BMSCE.
5. **Name of collaborating agency:** American Institute Of Chemical Engineers (AIChE), BMSCE Student Chapter.
6. **Brief summary of the Programme:**

At Phase Shift 2022, Technical Talk on Electrolysis was organised by AIChE BMSCE Student Chapter of Chemical Engineering department of BMSCE. The event started off with Shruthi Munukutla, the President of the AIChE, welcoming Ms. Vallari Nyayapati, erstwhile President of AIChE, the judge and the resource person for the event to be commenced. Dr. Sreelakshmi, the department event coordinator, and faculty event coordinator, Dr. Sainath K, oversaw the event.

The competition began with participants being asked to pick chits consisting of the topics they were expected to speak about after a few minutes. After a few hours of competitive debating highlighting consequential discussions, Rao Jagannmaya Jayaprakash from the department of chemical engineering third year, BMSCE and



# **B.M.S. COLLEGE OF ENGINEERING, BENGALURU**

Autonomous Institute, Affiliated to VTU

## **Department of Chemical Engineering**

Shreyas G from the IS Department, fourth year, BMSCE won first and second prizes in the competition respectively. The event concluded with a group photo.

### **7. Outcomes:**

The aim of the event was to enhance oral communication skill and develop excellent critical thinking skills with issues important to the industries at present. The students were given an opportunity for researching various topics and presenting their perspectives. They were provided a platform to overcome fears of public speaking.

### **8. Number of participants: 29**

### **9. Photograph**





**B.M.S. COLLEGE OF ENGINEERING, BENGALURU**  
Autonomous Institute, Affiliated to VTU  
**Department of Chemical Engineering**



Department of Chemical Engineering  
AIChE BMSCE Student Chapter

presents

# **PURSUIT OF DISPUTE**

An exciting industry related turncoat style  
debate that makes you think on your feet!

**Date: 25 November 2022**

**Time: 9 am onwards**

**Registration Fee: 100**

**First prize : 2000**

**Second prize : 1000**

**Event coordinators :**

**Shruthi: 91640 30494**

**Smruthi: 83106 60593**



Sponsored by:





# B.M.S. COLLEGE OF ENGINEERING, BENGALURU

Autonomous Institute, Affiliated to VTU

## Department of Chemical Engineering

1. **Name of the Department:** Chemical Engineering
2. **Name of the Activity:** Oil-Blend Perfume Making Workshop
3. **Objectives:** To learn and understand the making of organic perfumes using essential oils
4. **Date:** 25/11/22

**Time:** 2 pm to 4 pm

**Venue of the Activity:** CR 3002, Chemical Department, PG Block

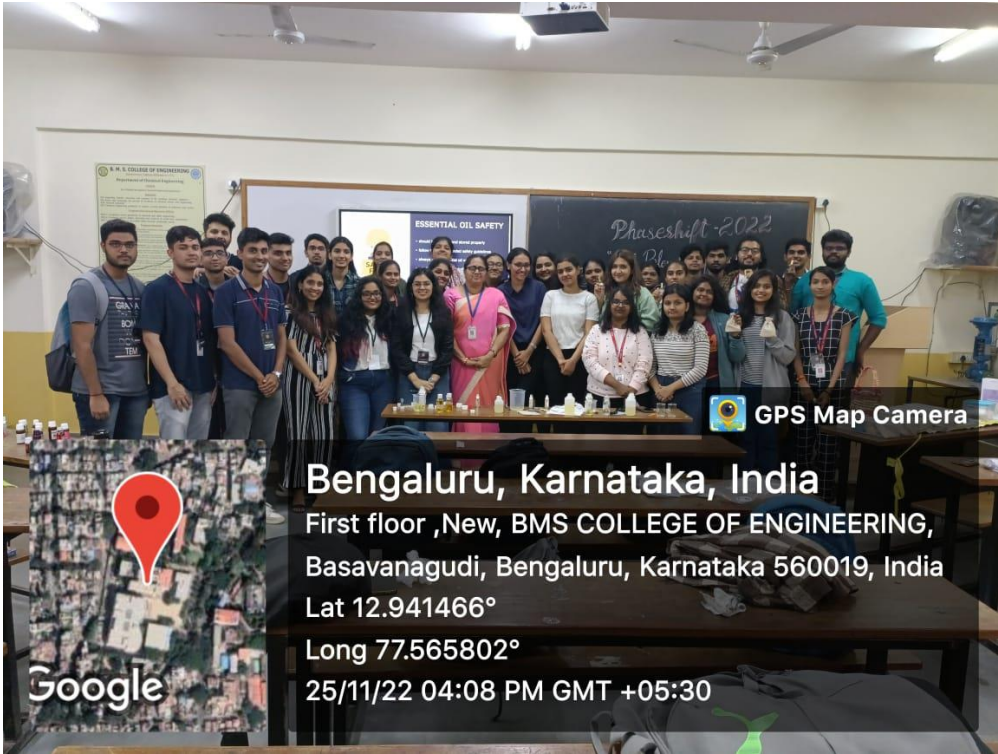
5. **Name and details of collaborating agency (if it is collaborative/joint activity):**  
Lab Needs, Somu Group of Companies
6. **Brief summary of the Programme:** The Oil-Blend Perfume Making Workshop was conducted by Prathyusha N D and Vaishnavi R. The session started by introducing different types of natural fragrances followed by their benefits like enhancing mood, treating insomnia, boosting confidence, aromatherapy etc. A unique interactive, learning-by-doing method of training was adopted here. The participants were given individual kits to work with and make their signature perfumes.
7. **Outcomes:** Students were able to learn the process of organic oil-blend perfume making, distinguish between harmful alcohol-based perfumes/ deodorants, and understand different notes of the perfume, top note, middle note, base note.
8. **Number of participants:** 37

Particulars	Number of Faculty		External Participants	
	Male	Female	Male	Female
Number of Participants	2	2	10	22

9. **Two or three relevant Photographs of the activity:**



**B.M.S. COLLEGE OF ENGINEERING, BENGALURU**  
Autonomous Institute, Affiliated to VTU  
**Department of Chemical Engineering**

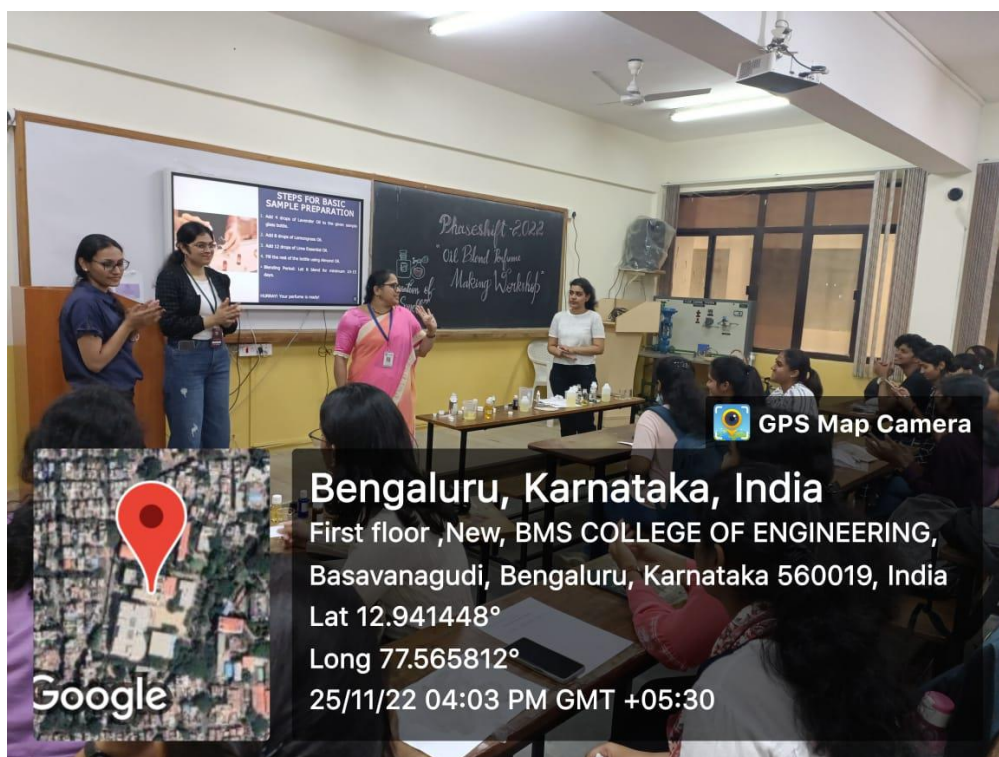
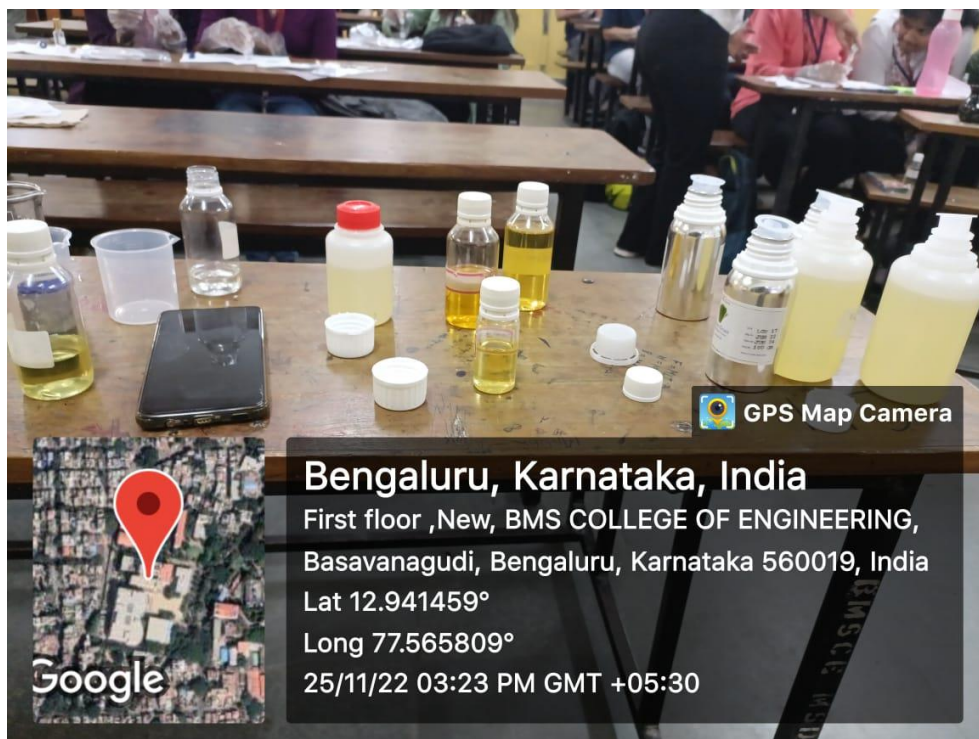




# B.M.S. COLLEGE OF ENGINEERING, BENGALURU

Autonomous Institute, Affiliated to VTU

Department of Chemical Engineering





**B.M.S. COLLEGE OF ENGINEERING, BENGALURU**  
Autonomous Institute, Affiliated to VTU  
**Department of Chemical Engineering**

Supporting Documents

a) Attendance sheet:

<https://docs.google.com/spreadsheets/d/1o5UPLhq3lgb7aAlNsAplEyos7aTRQQQajV-AyzTlnHI/edit#gid=2>

b) Circulars/Brochures



The brochure features a pink background with a white gear logo on the top left and a purple logo on the top right. The text is centered and reads: 'Department of Chemical Engineering', 'OIL-BLEND PERFUME MAKING WORKSHOP', 'Learn the exquisite art of creating organic oil blend perfumes using essential oils', 'Date: 25th November 2022', 'Time: 2 PM onwards', 'Registration Fee: Rs. 300', 'Sakshi: 7415443950', 'Prathyusha: 8310258979'. A photograph of a perfume bottle with flowers is shown in a circular frame. The phrase 'Sensation of Smell' is written in cursive. A QR code is located at the bottom left, and the 'Sponsored by: Lab Needs Scientific Simplified' logo is at the bottom right.

Department of Chemical Engineering

**OIL-BLEND  
PERFUME  
MAKING WORKSHOP**

Learn the exquisite art of creating organic  
oil blend perfumes using essential oils

**Date: 25th November 2022**  
**Time: 2 PM onwards**

**Registration Fee: Rs. 300**

**Sakshi: 7415443950**  
**Prathyusha: 8310258979**

*Sensation of  
Smell*

Sponsored by:

 **Lab Needs**  
Scientific Simplified





**B.M.S. COLLEGE OF ENGINEERING, BENGALURU**  
Autonomous Institute, Affiliated to VTU  
**Department of Chemical Engineering**

- 1. Name of the Department:** Chemical Engineering
- 2. Name of the Activity:** Technical Talk On Electrolysis
- 3. Objectives:**
  - To understand concepts of electrolysis
  - To know the different techniques of industrial electroplating
  - To know about surface preparation for electroplating
- 4. Date, Time Venue of the Activity**

**Date:** 26/11/2022  
**Time:** 9:00 am  
**Venue:** FDC Hall, PG Block, BMSCE for talk. Project Lab, Chemical Engineering Department, BMSCE for live demonstration of electroplating.
- 5. Name of collaborating agency:** Indian Institute of Chemical Engineers (IIChE), BMSCE Student Chapter

**6. Brief summary of the Programme**

At Phase Shift 2022, Technical Talk on Electrolysis was organized by IIChE BMSCE Student Chapter of Chemical Engineering department of BMSCE. The resource person to deliver the talk was Mr. Chandramani P G, Electrolysis and Electroplating expert, who has more than 35 years' experience at Bharat Electronics Limited, Bengaluru. The talk took place at FDC Hall, PG Block, BMSCE. The event was sponsored by Vriksh Ayur Green Tech. The talk was followed with the live demonstration of electroplating at the project lab of Chemical Engineering department, BMSCE.

Dr. Chetan A. Nayak and Dr. Shivakumar R., were the faculty coordinators of the event. Mr. Prajwal Pinto from 4<sup>th</sup> year, Chemical Engineering hosted the event. Ms. Bhoomika Chegu from 3<sup>rd</sup> year Chemical Engineering gave brief introduction of resource person. Ms. Swathi Wadavi from 3<sup>rd</sup> year proposed vote of thanks .



# B.M.S. COLLEGE OF ENGINEERING, BENGALURU

Autonomous Institute, Affiliated to VTU

## Department of Chemical Engineering

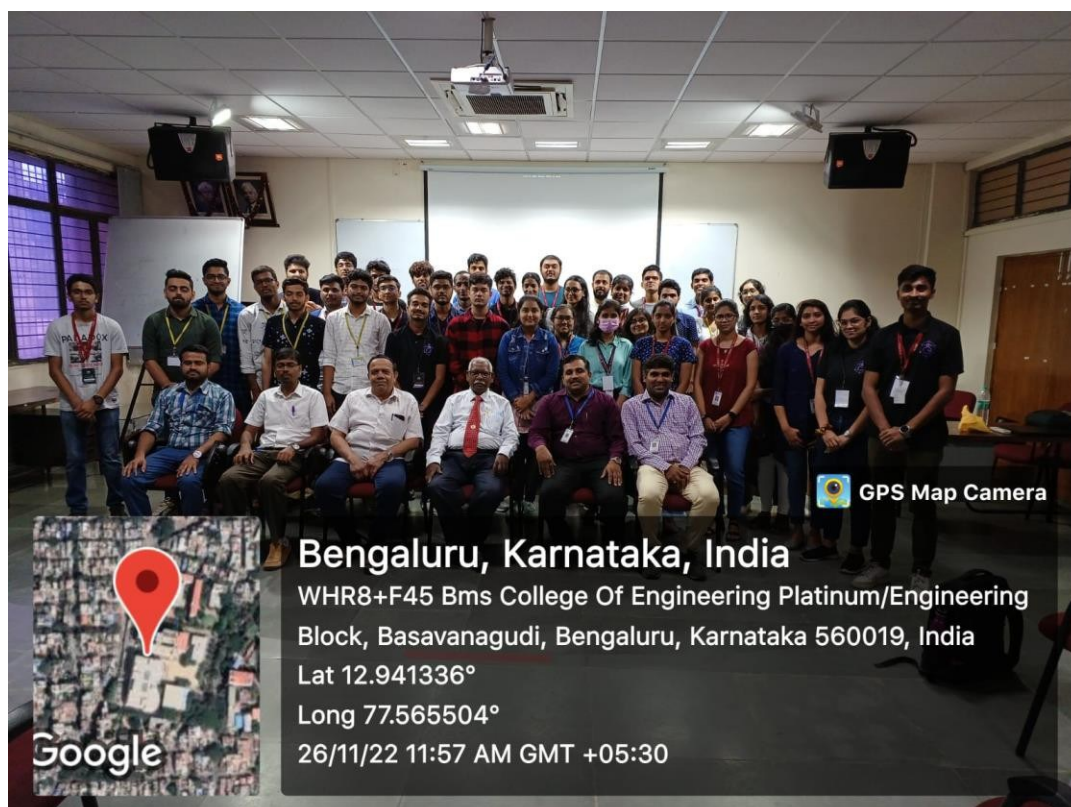
### 7. Outcomes

The students understood the concepts of electrolysis, techniques of industrial electroplating, surface preparation with quality and safety requirements. The live demonstration was very helpful for the students to gain practical knowledge on Electroplating.

### 8. Number of participants: 78

Particulars	Participants		Number of Faculty	
	Male	Female	Male	Female
Number of Participants	45	25	06	02

### 9. Photographs





**B.M.S. COLLEGE OF ENGINEERING, BENGALURU**  
Autonomous Institute, Affiliated to VTU  
**Department of Chemical Engineering**





**B.M.S. COLLEGE OF ENGINEERING, BENGALURU**  
Autonomous Institute, Affiliated to VTU  
**Department of Chemical Engineering**



Photograph on Hands-on of electrolysis session by the expert






**B.M.S. COLLEGE OF ENGINEERING, BENGALURU**

Autonomous Institute, Affiliated to VTU

**Department of Chemical Engineering**

**Annexure 1: Banner**



**PHASE SHIFT 2022**

DEPARTMENT OF CHEMICAL ENGINEERING  
IICHE BMSCE Student Chapter  
*PRESENTS*


**TECHNICAL TALK ON  
ELECTROLYSIS**

Technical talk on “Electrolysis” will be delivered by Mr.Chandramani PG who is a renowned expert on electrolysis and electroplating and has been working in Bharat Electronics Limited (BEL) for the past 35 years. This talk will provide participants to know about the basics of electrolysis, techniques of industrial electroplating with surface preparation for electroplating. This will also provide students knowledge about Quality and Safety requirements.

**REGISTRATION FEES : 50/-**

**DATE - 26<sup>TH</sup> NOVEMBER, 2022**  
**TIME - 9 a.m. to 11 a.m.**

**Sponsored by:**



Vriksh Ayur Green Tech  
Go Green

**RESOURCE PERSON:**  
Mr. CHANDRAMANI PG.  
Electrolysis Expert, Bharat Electronics Limited

**EVENT CO-ORDINATORS:**  
Prajwal Yashwin Pinto - 9483305932  
Bhoomika Chegu - 7899947947