

## Agnı College of Technology



Affiliated to Anna University, Chennai.

Approved by AICTE & Programmes Accredited by NBA, New Delhi. ISO 9001: 2015 Certified Institution



counseling code 1316

CHEMICAL ENGINEERING

## **CENTRE OF EXCELLENCE @ Agni**

#### MERIDIAN SCHOOL OF OIL AND GAS

The Department of Chemical Engineering is on the verge of establishing a SKID. This SKID proposal separates crude oil from other impurities using DCS systems. Meridian School of Oil & Gas is an Industrial Training arm of Oil Tech Group of Companies which is focused to provide basic and detailed engineering of Oil & Gas and other allied industry projects. We aim in providing technical training using pipeline simulation software imparting both concepts, practical and handson training to the prospective students on basic piping engineering using software tools like AutoCAD and 3D modeling software. Moreover, we intend to provide industrial exposure to the students so that they can be easily absorbed by the industries, EPC contractors and consultants.

Outcomes: The students will be able to: •Understand basic Operation of the Equipments •Develop models for chemical processes •Analyze and predict the process dynamics •Develop the programming skills to resolve dynamic process and control problems.





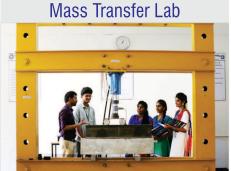


### **Seagrass Tech Private Limited**

The Department of Chemical Engineering has signed an MOU with Seagrass Tech Private Limited, a global venture startup in India to develop a harvesting technology platform that uses non-potable water, such as seawater, and non-arable land to grow marine micro algae. Centre of Excellence with Seagrass Tech Private Limited was set in our Campus on 03.08.18. Seagrass Tech Private Limited, a global venture startup in India has developed a harvesting technology platform that uses non-potable water, such a seawater, and non-arable T-sunami affected land to grow marine micro algae. Sea Grass is planned for a space of 20 ft x 10 ft along with round the clock air conditioner facility and a power back up facility along with water for developing our pilot level photobioreactor system (10000 L) for growing and testing their value added marine micro algae in our institution. Along with their expertise and our Chemical Engineering faculty members' expertise, they would like to develop this system. Some of the students may also get attached to this joint project.

## INDUSTRY POWERED LABS @ Agni







## Memorandum of Understanding (MoU) @ Agni

#### Bioneemtec India Pvt Ltd

Bioneetec India Pvt Ltd. with a mission to develop a unique laboratory for Analytical, Natural products and Synthetic chemistry, is aligned with the department of Chemical Engineering and signed MOU on 15.10.18 to integrate research, development, and commercialization of potentially useful natural compounds / products from plants, microbes, algae, sponges etc.



## TRAINING @ Agni

200 HRS OF COMMUNICATION SKILLS

260 HRS OF

APTITUDE

SKILLS

320 HRS OF TECHNICAL SKILLS



780 Hrs/Student

## HANDS ON INDUSTRIAL TRAINING

## In-vitro Cultivation of oysters



Second Year Chemical Students S.Shyam, M.Akash and K.Pradeepa Priyadharshini posing with Oyster Mushroom

### IIChE Membership Association

Our faculty and students are members of Indian Institute of Chemical Engineers. We have started a Students' Chapter with Indian Institute of Chemical Engineers, Kolkata.

Dr.M.Srividhya, Associate Professor, Head in charge attended the HOD's meeting organised by IIChE, Chennai Regional Centre in Crystal Growth Centre, Anna University on 27.07.18



## IIChE Student Chapter Inauguration

The Department of Chemical Engineering inaugurated IIChE student chapter on 5th January, 2019.

#### **Chief Guest**

Dr.N.Balasubramanian, Hon.Secretary, IIChE-CRC, Professor, Department of Chemical Engineering, AC Tech Campus, Anna University.

#### **Guest of Honor**

Mr.D.Gokul, Treasurer ,IIChE-CRC, Scientist,SHAR-ISRO, Andhra Pradesh.



## INTERNSHIP @ Agni

Name of Company	No. of Students Attended	Logo
Malladi Pharmaceuticals P∨t. Ltd, Ranipet	2	DRUGS & PHARMACEUTICALS ETD
Orchid Pharmaceuticals, Alathur	6	G Pharmaceuticals Ltd.
CIPET, Guindy	12	CIPET RETS
Solara Pharmaceuticals, Ranipet	6	SOLARA Active Pharma Sciences
Tamilnadu News Print & Paper Ltd, Trichy	<u>a</u>	TNPL
Bioneem Tec India Pvt Ltd, siruseri	13	Bioneem Tec India
Kaleeswari Refineries Ltd, Chennai	3	KALEERUYARI
CETEX Petrochemicals, Mannali	4	Cetex Petrochemicals Ltd
EAU chemicals, Keelkatalai	4	Eau Chemical (Mfg) Pvt. Ltd.,
Sripathy paper Boards Pvt Itd, Erode	3	Sripathi PAPER & BOARDS (P) LTD.
Thirumalai Chemicals Pvt ltd, Ranipet	2	Thirumalai Chemicals Ltd.
Kothari Chemicals	2	Kothari
Karpagambal Paper mills Pvt ltd, Manapparai	ì	
TCP Pvt ltd, Madurai	3	

### Guest Lecture @ Agni

Ms.B.Sangeetha, Assistant Manager, Corporate Safety, **Orchid** Pharma Limited on the topic of Chemical Engineers and their roles in industry on 5.8.2018.





Dr.A.M. Saravanan in the topic of "Applications of Thermodynamics" on 28.07.18.









## **SEMINAR / WORKSHOP**

#### One day Seminar on "Applications of Nanomaterials in **Chemical Engineering**"

The Department of Chemical Engineering conducted a one-day seminar titled "Applications of Nanomaterials in Chemical Engineering" on 21 Dec 2018. There were a lot of presentations, interactive sessions with industry experts and a detailed introduction to some of the real time applications of Nanomaterials in Chemical Engineering.



Dr.R.Jayavel, Director, Centre for Nanoscience & Technology, Anna University Handled Session On Industrial Applications of Nanoparticles.

## **INDUSTRIAL VISIT**



Second and Third Year students went for an Industrial visit to Hatsun Agro Products, Kancheepuram on 3rd August, 2018.



Department of Chemical Engineering arranged an Industrial visit to CIPET on 7th January, 2019 for the students of II & III Year.



### **Industry Institute Connect:**

On the course of tie up with CSIR - CLRI, Mr. Shanmugasundaram and Mr. Vasagam of CLRI visited ACT on 15.10.18. This tie up would provide projects and training to our students increasing their employability skills



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OMR, Chennai. ©: 9445532933, 9500088663, 9445024084 | E-mail: admission@act.edu.in | www.act.edu.in









