Vellore 632014

AICTE

Sponsored Two Week Online Short Term Training Program on

Sustainable Design of Chemical Process Plants by Using Aspen Plus and Aspen HYSYS Simulating Tools

03rd to 14th August, 2020

Registration Form

Name:----------
Designation:----------
Organization:----------
Mailing address:----------

Mobile Number----------
Email (Compulsory):----------
Participation category:----------
(Faculty/Industry/R&D/research scholar)
Educational qualification:----------
Experience (in years): Teaching----------
Research:----------Industry:----------
Accommodation required: YES/NO

Date: (Signature of Applicant)

Recommendation from Head of the Institution

Dr/Mr/Ms…….....
.....……..is an employee of our institute/Organization and is hereby allowed to participate in the AICTE sponsored STTP on "Sustainable design of Chemical Process Plants by using Aspen Plus and Aspen HYSYS simulating tools" during 3rd to 14th August, 2020 at Vellore Institute of Technology, Vellore, Tamil Nadu.

Signature of Head of Institution
(Seal)

Organising Committee

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Dr.G. Viswanathan
Chancellor

Patrons
Mr. Sankar Viswanathan,
Vice-President

Dr. Sekar Viswanathan,
Vice President

Mr G.V.Selvam,
Vice President

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Pro-Vice Chancellor.

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Dr. G.P. Ganapathy
Professor & Director
Centre for Disaster Mitigation and Management

Coordinator
Dr. K. Nagamalleswara Rao
Associate Professor
Centre for Disaster Mitigation and Management

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Organized by

Centre for Disaster Mitigation and Management (CDMM)

Vellore - 632014

About VIT

VIT was founded in 1984 as Vellore Engineering College by the Chancellor Dr. G. Viswanathan. From its humble beginning, the institution has grown exponentially to that of having more than 33,000 students. Students from all the states of India and from more than 50 countries are studying at VIT. VIT status was conferred in 2001 by MHRD Govt. of India in recognition of its excellence in academics, research and extracurricular initiatives. Currently, VIT has 4 campuses – in Vellore, Chennai, Amaravati (AP) and Bhopal (MP). The National Institutional Ranking Framework (NIRF) of the MHRD, Government of India, has identified VIT as the best Private Engineering Institution in India in the year 2016, 2017, 2018 and 2019. VIT has been awarded as No.1 Private Institution for Innovation (ARIIA 2019 Award) by Govt. of India. VIT has gone for accreditation by NAAC [India], IET [UK], and ABET [USA] and follows world class academic processes.

VIT is the first and only Institution in India to get 4 star rating from QS, the world universities ranking organization. The Industry consortium FICCI, has declared VIT as the "University of the Year 2016", in India. VIT has also been ranked in the top 201-250 in QS BRICS Ranking in 2016 and in the top 251-300 in Times Higher Education (THE), Asia Ranking. Govt. of India recognizes VIT as an Institute of Eminence (IoE) in 2019 to become the world's best.

About CDMM

The Centre of Disaster Mitigation and Management (CDMM; www.vit.ac.in/cdmm/) is one of most modern, well equipped and progressive Centres in India with passion for excellence. CDMM addresses some of the most neglected areas of the highest national importance. Innovation in Disaster education, rendering of highly specialized disaster mitigation services and Disaster Knowledge Network tagged with the great learning exercise are the three areas of its current operation. The Centre has forged partnerships with many knowledge based institutions and professional bodies including National Institute of Disaster Management, Government of India, Institution of Engineers (India), Structural Engineering Research Centre, Chennai, Advanced Technology Engineering Services, New Delhi, Central Building Research Institute, Roorkee and Central Road Research Institute, New Delhi. The Centre has the best known experts in the area of Natural Disasters, on its Advisory Board.

The Centre aims to achieve excellence in the key areas of research on par with international standards and regional issues and concerns, especially in Earthquake Disaster Mitigation and Management, Early Warning Systems, Mitigation Efforts,Disaster Preparedness across India and chemical disasters.

The centre has faculty with domain expertise in Earthquakes, Landslides, Floods, Droughts, Construction and Structural Engineering, Geomatics Technology (Remote Sensing, GIS, GPS, Surveying, Digital Photogrammetry etc.), Multi-media Technology and Chemical disasters safety (using Aspen Plus and Aspen HYSYS). Research and consultancy projects are carried out through sponsored funding from Government of India's Ministry and Departments and International Donors like UNDP-India, Prevention Consortium / Asian Disaster Preparedness Centre (ADPS), etc.

About the Training program

Chemical Process plants such as refineries, pharmaceutical, chemical and petrochemical plants are very complex plants in terms of equipment, pipeline, electrical, instrumentation, control systems and power systems. Now a days, all industries must operate in a sustainable way to minimize environmental impacts while meeting the industry demands. In operating the complex process plants, process safety is also the primary concern. Poor design or improper operator responses leads to damaged equipment, loss of production, and even injuries or death. This training program provides hands-on sessions on sustainable design of process plants using optimization and safe operating design procedures. Hands-on sessions planned in this training are helpful for techno-economic measures, decision making, design and evaluation of chemical process plants.

Target Groups

Engineers from Industries, Faculty, Scientists from R&D organizations and Research Scholars.

Venue - Centre for Disaster Mitigation and Management, VIT, Vellore 632014.

Major Topics to be covered

Sustainable design of chemical process plants using Aspen Plus and Aspen HYSYS

- Design of Steady state simulation models for chemical process plants
- Optimization of chemical processes
- Economic analysis
- Energy analysis
- Plantwide control system design for Chemical process plants safety

Resource Persons

Hands-on sessions will be handled by experts from premier academic Institutions and Industries.

Who can attend?

The workshop is open to the Faculty of AICTE approved technical institutions, Research Scholars, Persons working in R&D organizations and Chemical & Allied Industries.

Number of participants is limited to **Fifty only.**

Registration and Fee particulars:

There is no Registration fee for the faculty from AICTE approved institutions. Registration for participating in the STTP may be done by sending the application in the prescribed format duly signed by the Head of the Institution. (The participant can send the scanned copy of the filled in registration form duly signed by the head of the institute to the coordinator email ID).

Important dates:

For submission of application	: **31-07-2020**
Intimation of selected candidates	: **01-08-2020**
Program dates	: **03rd to 14th August, 2020**