INTERNATIONAL WORKSHOPS





GLOBAL INITIATIVE OF ACADEMIC NETWORKS



Organized By

PANJAB UNIVERSITY

Under the aegis of







Panjab University Chandigarh



Overview of Workshop

Total number of participants: 30		
Sr. No.	Name of the Institute	Number of participants
1	Panjab University	25
2	SLIET, Longowal	1
3	DCRUST, Murthal	1
4	Trident Industries Limited, Barnala	1
5	RNCET, Panipat	2

INTERNATIONAL WORKSHOP

on

"Process Safety and Risk Engineering"



November 14-19, 2016



Organized by Panjab University, Chandigarh under the aegis of





Panjab University Chandigarh

Day-1-5 Overview of Workshop Global Initiative of Academic Network



Memorial University of Newfoundland

Guest Faculty

Prof. Faisal Irshad Khan

Professor, Process Engineering Faculty of Engineering and Applied Science, Memorial University of Newfoundland, Canada



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Course Coordinator

Mr. Surinder Singh Bhinder

Dr. SSBUICET, Panjab University Chandigarh



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PROCESS SAFETY AND RISK ENGINEERING



Prof. Faisal Irshad Khan

Professor, Process Engineering Faculty of Engineering and Applied Science, Memorial University of Newfoundland, Canada

Course details

Module A: Fundamental of Process Safety and Risk

Lecture 1: Process Accident History : Past process accidents and lessons learned
Lecture 2: Process Accident Occurrence Understanding
Tutorial 1: Participant will do a simple example by assessing potential of process accident and their likelihood.



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Lecture 3: Process Accident Modeling and Prevention

Tutorial 2: Participant will do a simple case study of process accident modeling

Lecture 4: Fundamental of Process Safety and Risk

Tutorial 3: Participant will do a simple example or safety assessment, risk calculation and interpretation

Module B: Process Safety Design & Safety Assessment

Lecture 5: Process Safety Assessment: Probabilistic risk modeling
Tutorial 4: Numerical examples with past occurrence
Lecture 6: Process Safety Design: Risk Minimization
Tutorial 5: Practical Examples of risk minimisation will be discussed.
Lecture 7: Risk-based Safety Measure Design
Tutorial 6: Application of SCAP will be discussed
Lecture8: Safety Performance Assessment
Tutorial 7: A case study illustrating risk-based process safety indicator in an LNG facility will be presented.

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Day-5: Valedictory Function Global Initiative of Academic Network



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Panjab University Day-5: A Group Photograph Image: Chandigarh Image: Chandigarh

