

CURRICULUM VITAE
OF



Dr. Mithilesh Kumar Jha
Professor, HAG
Department of Chemical Engineering
Dr. B R Ambedkar
National Institute of Technology
(An Institution of National Importance)
Jalandhar-144 008.
(on deputation)

Currently
Principal
Muzaffarpur Institute of Technology
(Department of Science, Technology & Technical Education,
Govt. of Bihar)
Muzaffarpur – 842 003

Dr. Mithilesh Kumar Jha
 Professor, Higher Administrative Grade
 Department of Chemical Engineering
 Joint Professor Centre for Energy and Environment
 Dr. B R Ambedkar National Institute of Technology, Jalandhar

Education			
Degree Awarded		Institution	
Doctor of Philosophy (Petroleum Engineering)		Indian Institute of Technology (IIT-ISM), Dhanbad	
Master of Technology (Petroleum Engineering)		Indian Institute of Technology (IIT-ISM), Dhanbad	
Bachelor of Engineering (Chemical Engineering)		Panjab University, Chandigarh	
Teaching and Research Experience (30 years)			
Position		Institution	Duration(years)
Professor, Higher Administrative Grade		National Institute of Technology, Jalandhar	5
Visiting Professor (MHRD Deputation)		Asian Institute of Technology, Bangkok	0.5
Professor (Direct Recruitment)		National Institute of Technology, Jalandhar	18.9
Assistant Professor (Direct Recruitment)		National Institute of Technology, Jalandhar	7
Lecturer		National Institute of Technology, Jalandhar	3
Administrative Experience (23 years)			
Principal, Muzaffarpur Institute of Technology, Muzaffarpur			2
Director, Atal Bihari Vajpayee Government Institute of Engineering and Technology Shimla (H.P Govt.)			3.2
Dean, Academics and Dean Students and Alumni National Institute of Technology Jalandhar			3.5
Head , Chemical Engineering, Leather Technology, Centre for Training and Placement, Centre for Energy and Environment at NIT Jalandhar			17
Member, Board of Governors Dr. B R Ambedkar National Institute of Technology, Jalandhar			2
External Member, Finance Committee, Sardar Swaran Singh National Institute of Bio-Energy, Kapurthala			6
External Member Senate, Sant Longowal Institute of Engineering and Technology, Longowal			3
Research Contribution			
PhD Supervised/ Under Supervision	23/12	International Journal/Conference publication	62/21
M.Tech Supervised /Under Supervision	25/1	National Journal/Conference publication	26/38
Book Chapter	08	Awards and Recognitions (DST, ISTE etc)	12
MOU Formulated	20	Project undertaken (MHRD,AICTE,MEF)	11 crore 53 lacs
Foreign Visit		U.S.A, U.K, Australia, Mauritius, Malaysia, Thailand, Cambodia	
Professional Development		Google Scholar Profile	
Conference/ Workshop / Seminar Organized		32	H-index: 23
Conference/ Workshop / Seminar participated		77	I10 index: 50
Short term training program organized		18	Citation : 1723
Short term training program participated		10	Citation single Author: 13
Keynote address / Expert Lecturer delivered		53	Citation Double Author: 88
Networking with other Institution for R & D work		14	Citation More than two Author: 1622
Contribution to Professional Society			
Indian Institute of Chemical Engineers	National President (2021), Treasurer (2020), Vice-President (2014),COE (2010), Registrar (2009), Council Member (2008-10, 2014-16, 2020-2023), Chairman Doaba Regional Centre (2003-2017), (2019- contd.)		
Indian Society for Technical Education	National Executive Council Member (2012-14, 1999-2000), Secretary Section Pb., Chd, J&K and HP section, Secretary NIT Jalandhar Chapter		
Institution of Engineers (Pb and Haryana State Center, Chandigarh)	Executive Committee member representing Chemical Engineering Division (2013-2022) Chandigarh State Centre and Ludhiana Local Centre		

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DR.M.K.JHA
Professor HAG
Department of Chemical Engineering
Joint Faculty Centre for Energy and Environment
Dr. B R Ambedkar National Institute of Technology
Jalandhar-144008

I was born on 1st October 1962 in Jharkhand. My educational qualification includes B.E in Chemical Engineering from Dr. S S Bhatnagar University Institute of Chemical Engineering and Technology, Panjab University, Chandigarh and M.Tech and Ph.D in Petroleum Engineering from Indian Institute of Technology (IIT-ISM), Dhanbad.

After brief stint as a Project Engineer in Mech-Chem Consultants Limited, Chandigarh, I started my teaching career as a faculty in the department of Chemical and Bio Engineering, Dr. B. R. Ambedkar Regional Engineering College, Jalandhar in 1991. Being the founder faculty in the department, I was entrusted with responsibility of developing course curriculum, establishing laboratories and creating infrastructure for research. Subsequently, I was selected to Assistant Professor (1994), Professor (2001), Professor HAG (2020). I have guided 23 Ph.D and 25 M.Tech in the field of Chemical Engineering, Hydrocarbon Engineering, Bio Chemical Engineering, Environmental Engineering, New and Renewable Energy etc. around 150 research papers in National/International Journals/Conference are credited to my name. Besides, I have also chaired number of sessions in National and International Conferences and organized many Conferences/Seminars/Workshops/Short-term Training Programmes etc. I have served in review committees of National and International Journals in the area of Chemical Engineering, Energy, Environment, and Hydrocarbon Engineering etc and visited USA, UK, Australia, Thailand, Mauritius, Malaysia etc. for chairing the technical sessions, interaction and presenting papers. I have been examiner for PhD and M.Tech thesis of NIT's, CFTI's, and State Universities etc.

During my career span of over 33 years I have been assigned many responsibilities including Dean, Academics (2013-2014), Dean Students and Alumni (2005-2007), Head of the Department (1994-96 and 1998-2010) Head, Department of Leather Technology (2005-2007), Head Centre of Training and Placement (2013) Head, Centre for Energy and Environment (2020-23), Professor In-charge (Accreditation) (2012- 2014), First Appellate Authority RTI (2012-2014), Member Board of Governors (2014-2016). The Ministry of Human Resource Development, Govt. of India deputed me to work as "Visiting Professor" in Energy Field of Study at School of Environment and Resources Development Asian Institute of Technology (AIT) Bangkok (2008). I have also successfully served as Director cum Principal at Atal Bihari Vajpayee Government Institute of Engineering and Technology, Shimla on Deputation/Lien basis from July 02, 2016 to August 30, 2019 and presently serving as Principal, Muzaffarpur Institute of Technology under Department of Science, Technology and Technical Education, Govt. of Bihar on Deputation basis since 22/08/2023. The Indian Society for Technical Education also nominated me "Visiting Professor" in the year 2000, 2002, 2005 and 2010.

My sincere efforts and perseverance in the field of technical education has widely been recognized. I am recipient of many prestigious awards like Rajarambapu Patil National Award for Promising Engineering Teacher (2001), Best Engineering College Teacher Award for Punjab State (2000), Young Scientist Fellowship Award (1999),

Jharkhand Ratna Award (2005), Millennium Conclave Recognition Award (2000), Bharat Gaurav Award (2000), Best Citizen of India Award (2000), Management Excellence Award (2003), Shiksha Bharti Puraskar (2011), ISTE Section Best Teacher Award 2013, *Chemcon Distinguished Invited Speaker Award 2018*, Life Time Achievement Award 2019 etc. Moreover, I was listed in the Asia 500 Leaders for the New Century USA and Who's Who in the World 16th Edition of Marquis Who's Who.

I had the privilege of serving in different capacities in committees of prestigious institutions such as Union Public Service Commission, Jharkhand Public Service Commission, Himachal Public Service Commission, Bihar Public Service Commission, University Grant Commission, All India Council for Technical Education, Ministry of Human Resource Development, Department of Science and Technology, Indian Society for Technical Education, State Board of Biotechnology (Govt. of Jharkhand), Punjab Technical University, Himachal Pradesh Technical University, Maharaja Ranjit Singh State Technical University, Bihar Engineering University, Punjab State Board of Technical Education and Industrial Training Committee, etc. I have also been nominated as an External member, Senate of Sant Longowal Institute of Engineering and Technology, an External Member of the Finance Committee Sardar Swaran Singh National Institute of Bio-Energy Kapurthala, Board of Studies in the discipline Chemical Engineering, Food Technology and Energy Studies at Panjab University Chandigarh, BOS Member at SLIET, Longowal. My assistance was sought by Govt. of Punjab, Department of Technical Education and Industrial Training as Technical Expert for setting up Chemical Engineering Laboratories and procuring Equipment & Machinery for various Government Polytechnics in Punjab.

Since the beginning of my career, I am associated with many professional societies such as Indian Society for Technical Education New Delhi as Life member, Life Fellow of Indian Institute of Chemical Engineers Kolkatta, Fellow of the Institution of Engineers (India) Kolkatta, Chartered Engineer India etc. I am also Chairman of Indian Institute of Chemical Engineers, Doaba Regional Centre (2003 to 2016, 2019 onwards), Secretary Indian Society for Technical Education Punjab, Himachal Pradesh, Jammu & Kashmir and Chandigarh Section (2003-2005), Secretary Cum Treasure of ISTE NIT Jalandhar Chapter, Executive Committee member of Institution of Engineers (India) Ludhiana Local Centre-Ludhiana (2003 and 2009) etc. I was elected to serve in National Executive Council Member of ISTE during the period 1998-2000 and again in the year 2012-14. Moreover, I was also elected to serve in National Executive Council of Indian Institute of Chemical Engineers, Kolkatta from the Northern Region to serve for years 2008-2010, 2014-2016 and again in 2020-2023 and significantly contributed as Honorary Registrar (2009), Honorary Controller of the Examination (2010) National Vice-President (2014), Honorary Treasurer (2020) and President 2021 of the Institute.

BIO-DATA OF DR M K JHA

1. **Name** : Dr. Mithilesh Kumar Jha
2. **Father's Name** : Shri Arjun Prasad Jha
3. **Designation** : Professor HAG
4. **Date of Birth** : 01.10.1962
5. **Nationality** : Indian
6. **Passport Details** : Passport No. W3034176
Date of Issue: 01/08/2022
Date of Expiry: 31/07/2032
7. **Family Status** : Married with two children
8. **Telephone Nos.,** : 0181-5037569 (O)
Fax & Email : Whatsapp-9417290668, Mobile-8283937139
Fax- 0181-2690932
Email:jhamkin@yahoo.co.in, jhamk@nitj.ac.in
9. **Category** : General
10. **Correspondence** : Department of Chemical Engineering
Address : National Institute of Technology
Jalandhar – 144008 (Punjab)

11. EDUCATIONAL QUALIFICATION:

Degree	Institution/University	Subject
Doctor of Philosophy	Indian Institute of Technology (Indian School of Mines), Dhanbad	Petroleum Engineering
Master of Technology	Indian Institute of Technology (Indian School of Mines) Dhanbad	Petroleum Engineering
Bachelor of Engineering	Panjab University, Chandigarh	Chemical Engineering
Intermediate of Science	Magadh University Bodh Gaya	Physics Chemistry Math

12. PROFESSIONAL EXPERIENCE:

S.no	Post Held	Employer	Govt/ Autonomous/ Private	Nature of Service	Nature of Work	Period		Pay Scale
						From	To	
1.	Principal	Dept. of Sc. Tech. & TE	Govt. of Bihar	Deputation	Administration	22.08.2023	Contd.	2,24,100/-basic, pay matrix1,82,200- 2,24,100

								Level 15 + Rs. 6750 special pay
2.	Head Centre for Energy and Environment	BOG NIT, Jalandhar	Autonomous	Additional responsibility	Teaching, Research and Centre Administration	03.07.2020	17.02.2023	2,24,100/-basic, pay matrix1,82,200- 2,24,100 Level 15
3.	Director	ABVG Institute of Engineering of Technology, Shimla	Govt.	Deputation on lien	Administration	02.07.2016	30.08.2019	2,13,800/-basic, pay matrix1,59,100- 2,20,200 Level 14 A
4.	Professor HAG	BOG, NIT Jalandhar Society	Autonomous	Regular (Permanent)	Teaching Research	27.08.2020	Contd.	2,24,100/-basic, pay matrix1,82,200- 2,24,100 Level 15
5.	Professor	BOG, NIT Jalandhar Society	Autonomous	Regular (Permanent)	Teaching Research	07.11.2001	26.08.2020	2,20,200/-basic, pay matrix1,59,100- 2,24,200 Level 14A
6.	Dean Academic	BOG, NIT Jalandhar Society	Autonomous	Additional responsibility	Administration related to Academic	21.10.2013	9.12.2014	Rs 2000/- p.m. honorary alongwith perks
7.	Head Centre of Training & Placement	BOG, NIT Jalandhar Society	Autonomous	Additional responsibility	Training and placement, Industry Institute Interaction	04.09.2013	20.10.2013	
8.	Visiting Professor	President Asian Institute of Technology, Bangkok	Autonomous International Institution	Short Term Faculty Secondment by Govt. of India	Teaching to M.Tech and Ph.D students	14.01.2008	2.5.2008	As per MHRD Norms
9.	Dean Students and Alumni	BOG, NIT Jalandhar Society	Autonomous	Additional responsibility on Tenure basis	Administration related to Students and Alumni	1.2.2005	31.8.2007	Rs. 1000/- p.m. honorary alongwith perks
10.	Head Chemical Engg.	BOG, NIT, Jalandhar Society	Autonomous	Regular (Permanent)	Teaching Research & Administration	05.09.2014 29.11.1994 27.2.1998	20.10.2014 26.09.1996 4.9.2010	16400-450- 20900- 500- 22400
11.	Head Leather Technology	BOG, NIT, Jalandhar Society	Autonomous	Additional responsibility	Administration	3.2.2005	27.9.2007	Additional Responsibility
12.	Assistant Professor Chemical & Bio Engg.	BOG, REC, Jalandhar Society	Autonomous	Regular (Permanent)	Teaching Research & Administration	23.8.1994	6.11.2001	12000-420- 18300
13.	Lecturer Chemical & Bio Engg.	Principal, REC, Jalandhar	Autonomous	Regular (Permanent)	Teaching	8.7.1991	22.8.1994	2200-4000
14.	Senior Research Fellow (Petroleum Engg.)	Director, Indian School of Mines Dhanbad.	Autonomous	Temporary on Tenure basis	Research & Teaching UG & PG Courses	2.5.1986	6.7.1991	2500/- consolidated with other benefits.
15.	Project Engineer (Chemical)	Managing Director, Mech Chem Consultants Ltd., Chandigarh	Private	Regular (Temporary)	Process Design & Project Management	22.5.1985	1.5.1986	1500/- consolidated with other benefits
TOTAL TEACHING/RESEARCH/PROFESSIONAL EXPERIENCE								33 Years

13. AWARDS AND RECOGNITION (19)

1. Awarded ISTE **Best Teacher** Award by Indian Society for Technical Education Punjab, Himachal Pradesh, J&K and Chandigarh Section during Annual Section Convention at Chitkara University on December 03, 2021
2. Awarded Best Teacher Award NIT Jalandhar during 17th Annual Convocation of the Institute on October 04, 2021.
3. Awarded ISTE **Best Teacher** Award by Indian Society for Technical Education Punjab, Himachal Pradesh, J&K and Chandigarh Section during Annual Section Convention at Chandigarh University on December 23, 2020.
4. Honored with **ICONIC Educationist Award** for the Best Educational Development & Services by the Glorius organization for accelerated to Literacy, Delhi on October 25, 2020.
5. Conferred with **Life Time Achievement Award 2019** by Indian Institute of Chemical Engineers DRC in the year 2019.
6. Honored with **Chemcon Distinguished Invited Speaker Award 2018** by Indian Institute of Chemical Engineers Kolkata in the year 2018.
7. Awarded ISTE **Best Teacher** Award by Indian Society for Technical Education Punjab, Himachal Pradesh, J&K and Chandigarh Section in the year 2013.
8. Honored with **Shiksha Bharti Puraskar** by the All India Achievers Foundation Delhi in the year 2011.
9. Awarded **Rajarambapu Patil National Award for promising Engineering Teacher** for Creative Work done in Technical Education by Indian Society for Technical Education New Delhi in the Year 2001.
10. Awarded **Best Engineering College Teacher Award for Punjab State** (State Level Award) by Indian Society for Technical Education, New Delhi in the year 2000.
11. Awarded **Young Scientist Fellowship** from Deptt. of Science and Technology and worked as Visiting Scientist from June 22 to August 20 1999 (Two Months) at Indian Institute of Petroleum (CSIR Laboratory) Dehradun.
12. Nominated as **Visiting Professor** in the specialized area of Petroleum Refining & Petrochemical Technology by the Indian Society for Technical Education New Delhi during 2000, 2002 and 2005.
13. Honored with **Jharkhand Ratna Award** by Lok Sewa Samiti Ranchi for outstanding contribution and creditable performance in the field of Bio Engineering in the year 2005.
14. Conferred with **Millennium Conclave 2000 Recognition Award** by Punjab Environment and Heritage Society Chandigarh for outstanding Contribution in the field of Environment. The award was presented by His Excellency **Lt. Gen. J.F.R. Jacob P.V.S.M. (Retd.) Governor Punjab** during Millennium Conclave at Punjab Kala Bhawan, Chandigarh on March 11, 2000.
15. Honoured with **BHARAT GAURAV AWARD** by the India International Friendship Society New Delhi for outstanding Services, Achievements Contributions for Enriching Human Life and Outstanding Attainments. The award was presented by **Shri Ram Vilash Paswan, Hon'ble Minister for Communication, Govt. of India** at New Delhi on October 9, 2000.

16. Honoured with ***Best Citizen of India Award*** in recognition of Exceptional Calibre and Outstanding Performance in Chosen area of activity by International Publishing House, New Delhi in the Year 2000.
17. Awarded ***Management Excellence Award*** by Management & Industrial Development Institute, Jalandhar in appreciation of Devoted & Invaluable Services rendered to the community in the year 2003.
18. Listed in ***Who's Who in the World***, 25th Edition 2008 of Marquis Who's Who, New Providence NJ U.S.A. 07974 – 0005.
19. Listed in the 2000 outstanding Intellectuals of the 21st Century 2007 of International Biographical Centre, Cambridge England.

14. ADMINISTRATIVE EXPERIENCE

1. Head Centre for Energy and Environment July 03, 2020 – February 17, 2023.
2. Director cum Principal Atal Bihari Vajpayee Govt. Institute of Engineering and Technology Shimla July 02, 2016 to August 29, 2019.
3. Dean, Academics NIT Jalandhar from October 21, 2013 to December 9, 2014.
4. Head Centre of Training and Placement NIT Jalandhar from September 04, 2013 to 10 October, 2013.
5. Dean Students and Alumni NIT Jalandhar from February 1, 2005 to August 31, 2007 (Two years six months)
6. Head Department of Chemical Engineering NIT, Jalandhar (Nov. 1994 to Sept. 1996) and (Feb 98 – Till date).
7. Head Department of Leather Technology NIT Jalandhar from February 2005 to September 2007.
8. Chairman House Allotment Committee during July 2005-Dec-2007.
9. Member Senate National Institute of Technology, Jalandhar w.e.f year 2003 to continued.
10. Chairman of Library during 2001 - 2002
11. Technical Expert to Government of Punjab for developing Chemical Engineering Curriculum and Setting up Chemical Engineering Laboratories in various Govt. Polytechnics.
12. Chairman of Board of Studies of GND University, Amritsar, NIT, Jalandhar and member Board of Studies of PTU, Jalandhar and Panjab University, Chandigarh.
13. Coordinator for a number of ISTE Summer, Winter Schools and other Short Term Training Programme.
14. Principal Investigator for the sponsored Projects under MHRD, AICTE, ME & F MNES etc.
15. Supervisor to Guide Ph.D students in the Faculty of Engineering & Technology.

15. Member Board of Examiners of various Universities such as:

- i. University of Pune, Pune
- ii. Panjab University, Chandigarh
- iii. Guru Nanak Dev University, Amritsar

- iv. Punjab Technical University, Jalandhar
- v. Punjabi University, Patiala
- vi. Guru Jambheshwar University, Hissar
- vii. Indian School of Mines, Dhanbad
- viii. Vikram University, Ujjain
- ix. Aligarh Muslim University, Aligarh
- x. Banaras Hindu University, Varanasi
- xi. Maharishi Dayanand University, Rohtak
- xii. Kurukshetra University, Kurukshetra
- xiii. Guru Gobind Singh Indraprastha University, New Delhi
- xiv. Thapar University, Patiala
- xv. Deenbandhu Chhotu Ram University of Science and Technology, Sonapat
- xvi. Sant Longowal Institute of Engineering and Technology, Sangrur
- xvii. National Institute of Technology, Karnataka, Mangalore

16. PROJECTS UNDERTAKEN

S.No.	Year	Funding Agency	Scheme	Title	Amount (Lacs)
1.	2019	World Bank Assisted TEQIP-III (GNDEC Ludhiana and ABVGIE T Pragatina gar	Sponsored Research & Development project Oct. 01, 2019 to March 31, 2021 total duration 01 year 06 months	Process Optimization of upgraded Bio-chemical Treatment for Excess Sludge Minimization from High Strength Industrial Wastewater	14.85
2.	2017	MHRD	TEQIP	Fund for Upgradation of quality Education, Innovation and Research	100
3.	2015-16	MHRD	TEQIP-II	Design and Operational Analysis of upgraded treatment for real industrial wastewater	0.50
4.	2015	DST	FIST	Fund for improvement of S&T Infrastructure	155
5.	2005	MHRD	TEQIP	Modernization of Material Testing Laboratory	4.15
6.	2005	MHRD	TEQIP	Modernization of Leather Processing Laboratory	44
7.	2005	MHRD	TEQIP	Modernization of Microbiology Laboratory	1.50
8.	2004	MHRD	TEQIP	Creating of Bio Engineering Facility	32.4

9.	2004	MHRD	TEQIP	Upgradation of Mass Transfer Laboratory	13.20
10.	2004	MHRD	TEQIP	Expansion of Fluid Mechanics Laboratory	2.25
11.	2003	MHRD	MODROB	Modernization of Chemical Process Control laboratory	8.0
12.	2000	MHRD	THRUST AREA	Production Recovery and Application of Enzymes	10.00
13.	1999	MHRD	THRUST AREA	Raw Material Testing & Product Evaluation for Development & Quality Control in the area of Polymer/Rubber Technology	10.00
14.	1999	MHRD	MODROB	Modernization of Fuel Technology Laboratory	9.00
15.	1997	AICTE	MODROB	Modernization of Industrial Pollution Abatement & Control Laboratory	5.00
16.	1996	MNES	ENERGY PARK	Setting up of an Energy Park	2.30
17.	1995	AICTE	MODROB	Modernization of Chemical Technology Laboratory	10.00
18.	1994	MHRD	R & D	Effective Pollution Abatement & Biogas Generation through Molasses based Fermentation Industrial Effluents	10.00
19.	1995-2000	MEF	NEAC	National Environment Awareness Campaign	1.00
				TOTAL (crores)	13.33

17. MEMBER/CHAIRMAN OF BOARDS OR COMMITTEES

INTERNATIONAL (13)

1. Nominated as Convener International relations Committee by Indian Institute of Chemical Engineers Kolkata on February 09, 2023.
2. Nominated as member Advisory Committee for International Conference on Environmental Pollution and Control Technologies (EPACT-2022) organized by Department of Chemical Engineering under Faculty of Engineering and Technology Annamalai University, Annamalai, Tamil Nadu from August 26-27, 2022.
3. Nominated as Member Editorial Board of the Journal International Advanced Research Journal of Engineering & Technology” (IARJET) on June 27, 2021.
4. Acted as Referee for “International Journal of Energy Technology and Policy” (IJETP).
5. Acted as Referee for “**Journal of Engineering and Technological Sciences**” which is an official Journal of Research and Community Services, Institute Teknologi Bandung, in collaboration with Indonesian Engineering Association (*Persatuan Insinyur Indonesia-PII*).
6. Acted as Referee for “**Bio Resource Technology**” which is an official Journal of Elsevier Publications.
7. Acted as Referee for “**Bulgarian Chemical Communications**” *Journal of the Chemicals Institutes of the Bulgarian Academy of Sciences and of the Union of Chemists in Bulgaria*

8. Nominated as **Member International Advisory Committee** to organize “International Conference on Water Desalination, Treatment and Management & Indian Desalination Association Annual Congress-2013 (InDA CON 2013) organized by Malaviya National Institute of Technology in association with Indian Desalination Association (InDA) and CCDU, PHED Rajasthan, Jaipur from February 21-22, 2013 at Jaipur.
9. Acted as **Referee** for Institution of Chemical Engineering Journal “**Process Safety and Environment Protection**” which is official Journal of the European Federation of Chemical Engineering.
10. Acted as **Referee** for “**Journal of Environmental Management**” which is official Journal of the Elsevier Publication.
11. Acted as **Referee** for “**Indian Journal of Biotechnology**” which is official Journal of National Institute of Science Communication and Information Resources (CSIR)
12. Acted as Referee for “Bioprocess and Biosystem Engineering” which is official Journal of Springer Publication.
13. Acted as Referee for “Chemical Engineering Communication” which is official Journal of Taylor and Francis Publication

NATIONAL (119)

1. **Nominated as Member for Translation Work from English to Hindi and Maithili for Scientific and Technical Terminology, under the Commission for Scientific and Technical Terminology, Department of Higher Education, Ministry of Education, New Delhi, on September 23, 2025.**
2. **Nominated as Member, Board of Studies (Chemical Engineering – Leather Technology), Bihar Engineering University, Patna, on May 8, 2025.**
3. **Nominated as Member, National Organising Committee (NOC) of the Student Chemical Engineering Congress, jointly organised by IChE Amethi Centre and Rajiv Gandhi Institute of Petroleum Technology (RGIT), Amethi, held during September 20–21, 2024.**
4. **Chaired the Technical Session during the International Conference on Recent Trends in Transport Processes (RTTP-2024), organised by the Department of Chemical Engineering in association with the Indian Institute of Chemical Engineers (IChE) and IChE Student Chapter, held at NIT Hamirpur during June 24–26, 2024.**
5. **Nominated as Subject Expert in the Selection Committee for recruitment to the post of Assistant Professor in the subject of Chemical Engineering & Nanotechnology, at Sardar Vallabhbhai Patel University of Agriculture & Technology, Meerut, on June 18, 2024.**
6. **Nominated as Member, Board of Studies (Chemical Engineering), Sant Longowal Institute of Engineering and Technology (SLIET), Longowal, Punjab, on May 16, 2024.**
7. **Nominated as Member, Finance Committee, Aryabhata Knowledge University, Patna, from March 15, 2024.**
8. **Nominated as Invited Member, National Executive Council, Indian Institute of Chemical Engineers (IChE), Kolkata, for a period of five years from January 1, 2024.**
9. **Nominated as Member, Academic Council, Bihar Engineering University, Patna, for a tenure of three years, on September 19, 2023.**
10. **Nominated as a Member of the Selection Committee for various faculty positions at the level of Assistant Professor and Associate Professor at the National Institute of Technology, Hamirpur on July 7, 2023.**

11. Associated as Adjunct faculty in the Discipline Chemical Engineering at Heritage Institute of Technology, Kolkata on June 17, 2023.
12. Nominated as External Member Board of Studies in the faculty of Petroleum Engineering Department for a term of two years Guru Kashi University, Talwandi Saboo on June 12, 2023.
13. Nominated as External Member Board of Studies in the Department of Chemical Engineering for a term of two years at Sant Longowal Institute of Engineering and Technology, Longowal on May 15, 2023.
14. Nominated as External Member of the screening and review committee for the applications scrutinized by the Departmental committee at the level of Associate Professor and Professor at National Institute of Technology, Hamirpur from May 6-7, 2023.
15. Nominated as External member of the committee for recruitment of Junior Research Fellow at Swaran Singh National Institute of Bio-Energy, Kapurthala on April 13, 2023.
16. Nominated as Chairman of the committee for consideration of promotion of Junior Research Fellow to Senior Research Fellow at Sardar Swaran Singh National Institute of Bio-Energy, Kapurthala on April 12, 2023.
17. Nominated as External member of the committee to evaluate the claims over technical specifications for Ash Fusion Analyzer procurement at Sardar Swaran Singh National Institute of Bio-Energy, Kapurthala on March 22, 2023.
18. Nominated as Member of Research and Development Committee for PhD Scholar of the Department of Chemical Engineering under School of Chemical Technology at Harcourt Butler Technical University, Kanpur on March 21, 2023.
19. Nominated as External Subject Expert in the screening cum evaluation committee for promotion to the post of Associate Professor and Assistant Professor at Sant Longowal Institute of Engineering Technology, Longowal on March 01, 2023.
20. Nominated as Member Honorary Fellowship Committee by the Indian Institute of Chemical Engineers Kolkata on February 10, 2023
21. Appointed as Associate Editor of Indian Chemical Engineer (ICE), a Taylor and Francis Journal published by Indian Institute of Chemical Engineers from January 17, 2023.
22. Nominated and acted as session Chair on the theme “Biomass Utilization and Bioenergy” during Indo-Canadian session in the International conference on “Sustainability in chemical Processes through Digitalization, Artificial Intelligence and Green Chemistry” and 75th Annual session of Indian Institute of Chemical Engineers (CHEMCON-2022) held at Harcourt Butler Technical University Kanpur from Dec 27-30, 2022.
23. Nominated as Subject Expert in the selection committee for promotion of Professor in the discipline Chemical Engineering at MBM University Jodhpur on December 05, 2022.
24. Participated in Inaugural session of National Training Programme on the theme “Renewable Energy Technologies Recent Advancement and Techno-Economic aspects” at Sardar Swaran Singh National Institute of Bio-Energy kapurthala as Distinguished Guest on November 28, 2022.
25. Participated the inaugural ceremony of Indian Institute of Chemical Engineers Patna Regional Centre at Department of Chemical and Bio-Chemical Engineering under Faculty of Engineering and Technology Indian Institute of Technology Patna as Guest of Honor on November 13, 2022.

26. Nominated as member National Organizing Committee of Chemical Engineering Congress 2022 on “Sustainability in Chemical Processes through Digitization, Artificial Intelligence and Green Chemistry” and 75th Annual Session of Indian Institute of Chemical Engineers at Harcourt Butler Technical University (HBTU), Kanpur from December 27-30, 2022
27. Nominates as member National Advisory committee of 18th annual Session of Chemical Engineering students congress and National seminar on Sustainable Technological Advancements in Chemical Industries- 2022 (STAC-2022) organized by National Institute of Technology Warangal from September 23-24, 2022.
28. Nominated as member of Boards of Studies in the discipline Petroleum Engineering at Guru Kashi University Talwandi Sabo, Bhatinda on August 09, 2022.
29. Nominated as Subject Expert in the interview board for selection process to the post of Assistant Professor (Grade-I) and (Grade-II) in the Department of Chemical Engineering at National Institute of Technology Srinagar on June, 29, 2022
30. Nominated as Subject Expert in the interview board for selection process to the post of Assistant Professor (Grade-I) and (Grade-II) in the Department of Bio-Engineering and Chemical Engineering at National Institute of Technology Agartala on May 14, 2022.
31. Nominated as member for Evaluation of R&D proposal under National Mission on use of Biomass in TPPS, Central Power Research Institute Bangalore under Ministry of Power New Delhi on February 04, 2022.
32. Nominated as Chairman for Memorial and Plenary Session-I during Indian Chemical Engineering Congress CHEMCON-2021 the 74th Annual Session of the Indian Institute of Chemical Engineers and Seminar on “Sustainable Utilization of Resources for chemical & Mineral Sectors” jointly organized by IICChE Bhubneswar Regional Centre and CSIR-Institute of Minerals and Materials Technology in association with Institute of Chemical Technology-Indian Oil Odisha Campus, Bhubneswar on December 27, 2021.
33. Nominated as External Expert Member for the Academic and Administrative Audit (AAA) at Sant Baba Bhag Singh University on 21st December, 2021
34. Nominated as Assessor for CSIR Young Scientist Award 2021 from Council for Scientific and Industrial Research (CSIR) on June 02, 2021.
35. Chaired the Technical Session PTS 1A, Session ES-I during the International Conference on “Recent Development on Materials, Reliability, Safety and Environment Issues (IMRSE-2021) organized by Dr. B R Ambedkar National Institute of Technology Jalandhar on June 25, 2021.
36. Nominated as Chairman Organising Committee 17th Annual Session of Students Chemical Engineering Congress(SCHEMCON-2021) on theme “Globally Advancement in Technology for Environment 2021” organized by Department of Chemical Engineering Maulana Azad National Institute of Technology, Bhopal and Indian Institute of Science Education and Research, Bhopal from September 24-25, 2021.
37. Nominated as External Member Senate Sant Longowal Institute of Engineering and Technology, Longowal on March 31, 2021.
38. Nominated as Chairman Constitution Amendment Committee (CAC-2020) by the Indian Institute of Chemical Engineers Kolkata on March 06, 2021.

39. Nominated as member National Organizing committee CHEMCON 2020 jointly organized by Indian Institute of Chemical Engineers (IChE) Headquarters & IChE Hyderabad Regional Centre at Osmania University, Hyderabad on December 27-30, 2020.
40. Nominated as Chairperson for chairing Technical Section EEN-III Energy and Environment during Indian Chemical Engineering Congress CHEMCON-2020 jointly organized by Indian Institute of Chemical Engineers (IChE) Headquarters & IChE Hyderabad Regional Centre at Osmania University, Hyderabad on December 27, 2020.
41. Nominated as External Subject Experts on the Selection Committee for recruitment of Temporary faculty in the Department of Chemical Engineering NIT Hamirpur on September 12, 2020
42. Nominated as External Subject Experts on the Selection Committee for recruitment of teaching staff at the School of Petroleum Engineering MIT World Peace University, Pune on August 17, 2020.
43. Nominated as Member selection committee for recruitment of Junior Assistant at IChE Headquarter Kolkatta on July 04, 2020.
44. Dr. Mithilesh Kumar Jha Professor Department of Chemical Engineering and Chairman Regional Centre Affairs Committee Indian Institute of Chemical Engineers Kolkatta has been nominated as Chairman Best Regional Centre Award 2019 Committee on October 26, 2019.
45. Dr. Mithilesh Kumar Jha Professor Department of Chemical Engineering has been nominated as an External Expert in the discipline Chemical Engineering for promotion to Professor HAG Scale by Deenbandhu Chhotu Ram University of Science & Technology, Murthal, Sonapat on November 22, 2019.
46. Nominated as permanent special invitee of Board of Governors of Atal Bihari Vajpayee Govt. Institute of Engineering and Technology, Pragatinagar, Shimla w.e.f. August 30, 2019.
47. **Member** Peer Team of **National Assessment and Accreditation Council** University Grant Commission to visit Down Town University, Guwahati from February 18-20, 2019.
48. Nominated as Member Scrutiny Committee of HPTU Hamirpur for Scrutiny of application from various Engineering/ Pharmacy/ Hotel Management/ Colleges/ Institutions for affiliation/ continuation/ extension in affiliation for the academic session 2019-2020 from February 12-15, 2019.
49. Nominated as an Expert Member in the selection committee for the selection of Faculty in the Department of Chemical Engineering, Bio Engineering at NIT Agartala on January 07, 2019.
50. Nominated as Chairman Board of Affiliation constituted for considering the various inspection committee for grant of affiliation by Himachal Pradesh Technical University Hamirpur on May 8, 9 and 26, 2018.
51. Nominated as Chairman of the Expert Committee for inspection to grant affiliation for the session 2017-18 to LR Engineering College, Solan by Himachal Pradesh Technical University Hamirpur on May 19, 2018
52. Nominated as Member Selection Committee for appointments of Professors/Readers at Veer Bahadur Singh Purvanchal University, Jaunpur on September 16, 2017,
53. Nominated as Chairman of the Expert Committee for inspection to grant affiliation for the session 2017-18 to MIT College of Engineering and Management, Bani, Hamirpur by Himachal Pradesh Technical University Hamirpur on April 17, 2017

54. Nominated as Chairman of the Expert Committee for inspection to grant affiliation for the session 2017-18 to Green Hills Engineering College, Kumarharhatti, Solan by Himachal Pradesh Technical University Hamirpur on March 08, 2017.
55. Nominated as Chairman of the Expert Committee for inspection to grant affiliation for the session 2017-18 to Bells Institute of Engineering and Technology, Mehli, Shimla by Himachal Pradesh Technical University Hamirpur on March 08, 2017
56. Nominated as Member Selection Committee for appointment of Registrar National Institute of Technology, Agartala on February 13, 2017.
57. Nominated as Subject Expert for appointment of Lecturer (Chemical Engineering / Technology) at Bihar Public Service Commission, Patna on January 10, 2017.
58. Nominated as Member (Departmental Nominee) Department of Technical Education Government of Himachal Pradesh for the recruitment of Assistant Professor at Himachal Pradesh Public Service Commission, Shimla on July 30, 2016.
59. Nominated as **Expert Member** for recruitment of Scientist for Defense Research Development Organisation on July 28-29, 2016.
60. Nominated as **External Expert Member** for conducting internal audit of the Department of Chemical Engineering, **NIT Srinagar** during March 17-18, 2016.
61. Nominated as **Expert Member** of the Scrutiny Committee for the recruitment of faculty members in the post of Assistant Professor at **NIT Agartala** during December 04-05, 2015.
62. Nominated as **External Examiner** for BTech Industrial Training/ Visit (CT-455) examination of **Guru Gobind Singh Indraprastha University, Delhi** on November 24, 2015.
63. Nominated as **Member** (Senate Nominee) of selection committee by the Hon'ble Chairman BOG NIT Hamirpur for the recruitment of faculty (Chemical Engineering) of **National Institute of Technology, Hamirpur** on November 08, 2015.
64. Nominated as **External Member** of the selection committee for selection of Officer on Special Duty (OSD) of **National Institute of Technology, Agartala** on September 23, 2015.
65. **Member** Selection Committee for the recruitment of Lecturer in the Department of Chemical Engineering at **NIT Hamirpur** on September 03, 2015.
66. Nominated as **Member** (Senate Nominee) of the selection committee by the Hon'ble Chairman BOG **NIT Hamirpur** for recruitment of faculty (Chemical Engineering) of National Institute of Technology, Hamirpur on April 27, 2015.
67. **Member** Regional Centre Affairs Committee of **IChE Kolkata** for the year 2015 on May 11, 2015.
68. Member Industry Institute Interaction Committee of **IChE Kolkata** for the year 2015 on May 11, 2015.
69. **Member** Peer Team of **National Assessment and Accreditation Council** University Grant Commission to visit Christu Jyothi Institute of Technology and Science, Jangaon, Warangal, Andhra Pradesh from January 29-31, 2015.
70. **Member** Peer Team of **National Assessment and Accreditation Council** University Grant Commission to visit Al-Ameen College, Edathala, Aluva, Kerala from January 05-07, 2015.
71. Nominated as **Member** ISTE Award Committee to recommend ISTE Awards 2014 by **Indian Society for Technical Education New Delhi** on October 16, 2014.

72. Nominated as **Member** Selection Committee for selections of faculty members in the Discipline Petroleum Engineering at **Rajasthan Technical University, Kota** on August 09, 2014.
73. **Evaluator** in the discipline Petroleum Engineering UG Programme at Maharashtra Institute of Technology, Pune by **National Board of Accreditation New Delhi** from August 01-03, 2014.
74. Nominated as **Member** of Selection Committee for Selections of faculty members in the discipline Chemical Engineering at **Sant Longowal Institute of Engineering and Technology, Longowal** Sangrur on July 26, 2014.
75. Nominated as **Member** of Board of Studies (Undergraduate) in the discipline of Chemical Engineering at Punjab Technical University, Kapurthala w.e.f. June 25, 2014.
76. Nominated as **Member** of Board of Studies in the discipline of Chemical Engineering & Petrochemical and Refinery Engineering at **Chandigarh University, Mohali** w.e.f March 18, 2014.
77. Nominated as **Member** of Board of Studies in the discipline Chemical Engineering at **Sant Longowal Institute of Engineering and Technology, Longowal** Sangrur w.e.f. January 09, 2014.
78. Nominated as **Member** Departmental Research Committee (DRC) in the Department of Chemical Engineering **Deenbandhu Chhotu Ram University of Science & Technology, Murthal, Sonapat** w.e.f. December 13, 2013.
79. Nominated as **External Expert** in the selection committee for appointment of Scientist at Indian Institute of Technology, Roorkee by **Defence Research Development Organization (DRDO)** Govt. of India Ministry of Defence on December 07, 2013.
80. Nominated as **Member Advisory Committee** for organizing 3rd National Conference on “Recent Advances in Bio-Energy Research” sponsored by Ministry of New and Renewable Energy, Govt. of India New Delhi at Sardar Swaran Singh National Institute of Renewable Energy, Kapurthala from November 22-24, 2013.
81. Nominated as **Member Selection Committee** meeting for Selection of Faculty Members in the discipline Chemical Engineering by National Institute of Technology Srinagar on September 02, 2013.
82. Nominated as **Member Editorial Board Committee** of Seven journals in different branches of study in Engineering and Technology jointly to be published by ISTE and Association of Computer Electronics and Electrical Engineers w.e.f. July 25, 2013.
83. Nominated as **External Member of Coordination Committee** constituted by Director NIT, Hamirpur to coordinate all the activities to start/establish Department of Chemical Engineering at NIT Hamirpur w.e.f. May 8, 2013.
84. Nominated as **Advisor** to assist the **Interview Board for Selection** of Assistant Director Grade II (Leather & Footwear) in Ministry of Micro, Small and Medium Industries Govt. of India by **Union Public Service Commission** New Delhi on December 14, 2012
85. Nominated as **Member Core Committee** by Director NIT, Hamirpur for establishment of New BTech (Chemical Engineering Four Year programme) in the year 2012.
86. Nominated as **Member** of **Editorial Advisory Board** of Journal of Recent Advances in Science from the year December 2011.

87. Nominated as **Member** of **National Advisory Committee** for organizing the National Conference on “Waste Management & Recycling” organized by Department of Chemical Technology, Sant Longowal Institute of Engineering and Technology (Deemed University, Longowal, Sangrur, Punjab from December 9-10, 2011.
88. Nominated as **Member** of **Board of Studies** in the discipline Chemical Engineering of Punjab Technical University, Jalandhar on April 19, 2010.
89. Nominated as **Member** of **Finance Committee** and **Purchase Committee** of Sardar Swaran Singh National Institute of Renewable Energy (An Autonomous Institute of Ministry of New & Renewable Energy) Kapurthala, Punjab on March 11, 2010.
90. Nominated as **Member Editorial Board** in International Journal of Engineering and Information Technology from the year October, 2009
91. Nominated as **Advisor** to assist the **Interview Board for Selection** of Assistant Director Grade I (Leather Footwear) in Ministry of Industries Govt. of India by **Union Public Service Commission** New Delhi on October 9, 2009.
92. Nominated as **member** for meeting of the **Selection Committee** for Selection of Lecturer in the Department of Chemical Technology **Sant Longowal Institute of Engineering and Technology (Deemed to be University) Longowal, Sangrur.**
93. Nominated as Member Evaluation Committee by Vice Chancellor Guru Nanak Dev University, Amritsar for Career Advancement Scheme in the Discipline Applied Chemical Sciences and Technology on July 30, 2009.
94. Nominated as **Member** Student Chapter Affairs Committee of Indian Institute of Chemical Engineers Kolkata for the year 2009 on March 7, 2009
95. Nominated as **Advisor** to assist the **Interview Board for Selection** of Deputy Advisor (Project Appraisal) Planning Commission by **Union Public Service Commission** New Delhi on January 20, 2009.
96. Nominated as **member** of the **National Advisory Committee** for organizing the National Workshop on Nanotechnology Applications in Industries and Research (NAIR-2009) organized by Centre for Advanced Technology (CAT) **Haryana Engineering College Jagadhri (Haryana)** from February 6-7, 2009.
97. Nominated as **member** by Chairman of Board of Governors of NITK Surathkal for the **Staff Selection Committee** to Select Professor/Assistant Professor/Lecturer in the Department of Chemical Engineering **National Institute of Technology Surathkal** on October 24, 2008.
98. Nominated as **member** for meeting of the **Selection Committee** for Selection of Professor/Assistant Professor in the Department of Chemical Technology **Sant Longowal Institute of Engineering and Technology (Deemed to be University) Longowal, Sangrur** on October 11, 2008
101. Nominated as **member** of the **Academic Council/Senate** of **Sant Longowal Institute of Engineering and Technology (Deemed to be University) Longowal, Sangrur** in the year 2008.
102. Nominated as **member** of **Student Chapter Affairs Committee** of **Indian Institute of Chemical Engineers Kolkata** for the year 2008.
103. Nominated as **member** of **Library and Information Committee** of **Indian Institute of Chemical Engineers Kolkata** for the year 2008.

104. Nominated as **member** of the **National Advisory Committee** for organizing the National Seminar on Recent Advances in Chemical Engineering Operation and Process in Chemical and Allied Industries at Department of Chemical Engineering Institute of Technology, **Guru Ghasidas University, Bilaspur (C.G)** from Feb 5-6, 2008.
105. Nominated as **member** of the **Board of Studies** in Chemical Engineering, Food Technology and Energy Studies by Vice Chancellor **Panjab University, Chandigarh** for the term 1.4.2007 to 31.3.2009 (Three years)
106. Nominated as **member** Selection Committee for the Post of Professor, Assistant Professor at **North Eastern Regional Institute of Science and Technology, Nirjuli (Arunachal Pradesh)** on July 28, 2007.
107. Nominated as **member** of the National Advisory Committee for organizing the National Conference on Advances in Chemical Engineering & Technology ACET-07 at **Sant Longowal Institute of Engineering and Technology Longowal Distt. Sangrur** from March 26-27, 2007.
108. Nominated as subject **Expert** in the discipline Chemical Engineering for selection of Lecturer by **Jharkhand Public Service Commission Ranchi** on May 25, 2006.
109. Nominated as **Adviser** to assist the Interview board for selection of Assistant Works Manager at **Union Public Service Commission New Delhi** on November 18, 2005.
110. Nominated as **Adviser** to assist the Interview board for selection of Assistant Works Manager at **Union Public Service Commission New Delhi** on September 27, 2005.
111. Nominated as **Adviser** to assist the Interview board for selection of Foreman in DGQA Department of Defence Production and supplies Ministry of Defence by **Union Public Service Commission New Delhi** on March 30, 2005.
112. Nominated as member of **Expert Committee** for extension of approval of existing courses by the **All India Council for Technical Education, New Delhi** to visit Delhi College of Engineering, Delhi on March 15, 2005.
113. Nominated as member of **National Board of Accreditation Team** by the **All India Council for Technical Education New Delhi** to visit Bharti Vidyapeeth's Deemed University College of Engineering Pune in the year 2004.
114. Nominated as member **Editorial Advisory Board** of **Journal of Industrial PollutionControl** and **International Journal Pollution Research** in the year 2004.
115. Nominated as member **Editorial Advisory Board** of Quarterly International **Journal Pollution Research** in the year 2004.
116. Nominated as member of the **Subject ExpertCommittee** by the **All India Council for Technical Education New Delhi** for Evaluation of Project Proposals under the Research Promotion Scheme (RPS) in the year 2004.
117. Nominated as Member **Academic Council** of Sant Harchand Singh Longowall **Central Institute of Engineering and Technology Longowal, Sangrur (Punjab)** in the year 2004.
118. Member **Senate** National Institute of Technology, Jalandhar from the year 2003 onwards.
119. Nominated as member of the **National Advisory Committee** for organising the Fifth National Annual Students Convention of Indian Society for Technical Education at **Sant Longowal Institute of Engineering & Technology, Longowal Distt. Sangrur** in the

year 2002.

120. Nominated as member of **State Board of Biotechnology** Committee of **Govt. of Jharkhand** by His Excellency Governor of Jharkhand w.e.f 7.2.2002.
121. Nominated as member of ISTE Awards Committee for selection of ISTE National and State Level Awards by the **Indian society for Technical Education, New Delhi** for the year 2001, 2002, 2003, 2004.
122. Nominated as member of the **Jury** for the **National Level Paper Presentation, Kerala Government Engineering Design National Award Presentation and Maharashtra State Government Engineering Design Award Presentation** during Fourth Annual Convention of ISTE Students and National Seminar on "Harnessing Human Resources for the Development of India - Problems, Challenges and Opportunities" organized by Kongu Engineering College, Perundurai, Erode (Tamil Nadu) during July 28-29,2001.
123. Nominated as member of **ISTE Students Awards Committee** for selection of **ISTE National and State Level** Awards for the year 2001 by the Indian Society for Technical Education, New Delhi.
124. Acted as a Referee for the Institution of Engineers (India), Chemical Engineering Division Journal in the years 2001, 2002 and 2003.
125. Nominated as an External Expert in the Board for Appointment of Scientists by **Govt. of India Ministry of Defence, Defence Research & Development Organization (DRDO)**, Recruitment & Assessment Centre, Delhi in the year 2001, 2002, 2003.
126. Nominated as a member of ISTE Panels for selection of **All India Council for Technical Education** sponsored Summer/Winter Schools in the years 1999, 2000 and 2001.
127. Nominated as member of ISTE Awards Committee for selection of ISTE National and State Level Award for the year 2000 by **Indian Society for Technical Education, New Delhi**.
128. Nominated as member of the Subject Expert Committee by **Ministry of Human Resource Development, Department of Secondary Education & Higher Education Govt. of India, New Delhi** for consideration of Project Proposals under the Scheme of Modernization and Removal of Obsolescence of Engineering Laboratories and Workshops in the year 2000.
129. Nominated as member of the visiting team in connection with recognition to In-house R & D Unit of M/s. Jagatjit Industries Ltd., Kapurthala and M/s. Hindustan Hydraulics Ltd., Jalandhar in the year 1997. The scheme for recognition of Industrial R & D House is being operated by **Deptt. of Scientific and Industrial Research (DSIR) Ministry of Science and Technology, Govt. of India, New Delhi**.
130. Member Inspection Committee for Recognition and Accreditation of Engineering Colleges by **All India Council for Technical Education, New Delhi**.

REGIONAL (43)

1. Nominated as chairman of Bihar and Jharkhand section of the Indian Society for Technical Education for the period 2024-26

2. Nominated as a subject expert in the selection committee for recruitment to the post of assistant professor in chemical engineering nanotechnology on 18/6/24 at Sardar Vallabhbhai Patel University of Agricultural & Technology, Meerut
3. Nominated as a member of the finance committee of Aryabhata Knowledge University of Patna by the Honourable Governor of Bihar on March 15, 2024
4. Nominated as an Expert member by Honourable Governor Uttar Pradesh for the recruitment of faculty position at Harcourt Butler Technical University Kanpur on March 6, 2024
5. Appointed as Honorary as Director General IICHE – Training Institute for a period of five years w.e.f. January 2, 2024.
6. Nominated as an invited member of council of IICHE for a period of five years from January 2, 2024
7. Member, Academic council Bihar Engineering University Patna from September 19, 2023
8. Nominated as Member of the Board of Studies of Petroleum Engineering Department, GGSCET at Guru Kashi University on August 09, 2022.
9. Nominated as a Member of the Board of Studies in Chemical Engineering Shaheed Bhagat Singh State University (SBSSU), Ferozepur on January 18, 2022.
10. Nominated as Member Board of Studies in Chemical Engineering Shaheed Bhagat Singh State Technical Campus (SBSSTC) Ferozepur on July 24, 2020 till 14.08.2022
11. Nominated as a Member, Vidyalaya Management Committee Kendriya Vidyalaya, Sarai Khas in the year 2021.
12. Nominated as External Expert in Research Degree Committee of SBS State Technical Campus, Ferozepur to evaluate the progress report of research proposal of PhD pursuing students in the discipline Chemical Engineering on December 06, 2019.
13. Nominated as an External Expert for the smooth conduct of readiness and academic audit of Department of Petroleum Engineering, Chandigarh University, Chandigarh on 21/12/2019
5. Nominated as Chairman Inspection Committee for grant of affiliation to Green Hills Engineering College Kumarhatti Solan by Himachal Pradesh Technical University, Hamirpur for the academic session 2019-20 on March, 2019.
6. Nominated as Member of the Scrutiny Committee to scrutinize the application of various Institutions for affiliation /continuation/extension in affiliation from Himachal Pradesh Technical University, Hamirpur for the academic session 2019-20 on January 24, 2019.
7. Nominated as Member External Expert for evaluation and award of grades in the subject project to BTech 8th Semester Chemical Engineering students of NIT Hamirpur on May 18, 2017.
8. Nominated as Member subject expert of Screening cum evaluation committee for Career Advancement Scheme of faculty members of Shaheed Bhagat Singh State Technical Campus Ferozepur on May 17, 2017.
9. Nominated as Chairman Committee of Experts in Engineering Programme to evaluate the proposals of Himachal Pradesh Technical University Hamirpur for the establishment of off campus Research Centre including Institution of applied PhD programmes on September 27, 2016.
10. Nominated as Member Academic Council Himachal Pradesh Technical University, Hamirpur on July 02, 2016.

11. Nominated as Member Board of Studies in Chemical Engineering Sant Longowal Institute of Engineering & Technology, Longowal on May 27, 2016.
12. Nominated as Chairman Board of Studies in Chemical Engineering Shaheed Bhagat Singh State Technical Campus, Ferozepur on May 23, 2016.
13. Nominated as Chairman of the Committee to review the work report of Research Fellows (PDF/SRF/JRF/PA) of the Sardar Swaran Singh National Institute of Bio-Energy on May 19, 2016.
14. Nominated as Member National Advisory Committee of Second International Conference on “Recent Advances in Bio Energy Research (ICRABR-2016)” to be held at Sardar Swaran Singh National Institute of Bio-Energy during Feb 25-27, 2016.
15. Nominated as Subject Expert for the recruitment of Assistant Professor Chemical at Sant Longowal Institute of Engineering & Technology, Longowal Sangrur on December 07, 2015
16. Nominated as Chairman of the committee to review the annual work report and the extension of tenure of Research Fellows at Sardar Swaran Singh National Institute of Bio-Energy, Kapurthala on December 02, 2015.
17. Nominated as Expert to scrutinise the applications for the post of Registrar I.K Gujral Punjab Technical University, Jalandhar on November 14, 2015.
18. Member Board of Studies in Chemistry of Maharaja Ranjit Singh State Technical University, Bathinda from October 07, 2015
19. Member Board of Studies in Chemical Engineering of Maharaja Ranjit Singh State Technical University, Bathinda from October 07, 2015.
20. Nominated as Member Board of Studies in Chemical Engineering of Shaheed Bhagat Singh State Technical Campus, Ferozepur on August 24, 2015.
21. Nominated as Expert Member for selection of Research Fellows (PDF/SRF/JRF/PA) at Sardar Swaran Singh National Institute of Bio-Energy, Kapurthala on August 04, 2015.
22. Member Board of Studies in Petroleum Engineering of Guru Kashi University, Bathinda Punjab from January 27, 2015.
23. Chairman of Committee to review the annual work report of Research Fellows of Sardar Swaran Singh National Institute of Renewable Energy Kapurthala on June 17, 2014.
24. Member Punjab State Level Selection Committee for National Award – 2012 to be given by Govt. of India for Innovation Efforts and Research & Development Award engaged in manufacturing under Micro & Small Enterprises (MSEs) on August 12, 2013.
25. Member Academic Audit Committee of Punjab Technical University, Jalandhar to visit Beant College of Engineering and Technology, Gurdaspur on March 2, 2013.
26. Member Punjab State Level Selection Committee for National Award – 2011 to be given by Govt. of India for Innovation Efforts and Research & Development Award engaged in manufacturing under Micro & Small Enterprises (MSEs) on May 30, 2012.
27. Appointed and performed as Micro Observer in 68 Govt., Elementary School, Kala under 30-Phillaur (SC) Assembly Constituency during Assembly Election on January 30, 2012
28. Appointed as Additional Micro observer in 38 Adampur (SC) Constituency during Lok Sabha Election 2009 regarding counting of votes by the District Election Officer, Jalandhar on May 16, 2009.

29. Member Board of Studies Punjab Technical University Jalandhar Since 2004.
30. Nominated as Member Selection Committee by Directorate of Technical Education Govt. of Punjab for recruitment of Lecturer and Assistant Professor in State Govt. promoted Engineering Colleges in the year 2003 and for recruitment of Professor and Assistant Professor in the year 2004.
31. Nominated as Member Selection Committee for the grant of senior scale to Lecturer under ACP Scheme in the discipline of Chemical Technology at Sant Longowal Institute of Engineering & Technology, Longowal, Sangrur (Punjab).
32. Nominated as a Member Syllabus Revision Committee by Directorate of Technical Education, Govt. of Haryana for finalization of Undergraduate Syllabus in Chemical Engineering for Engineering Colleges in Haryana in the year 2003.
33. Nominated as member to represent PTU in AICTE Visiting Team for inspection of infrastructural and facilities available in the Department of Chemical Technology, SLIET, Longowal for M.Tech Programme in the year 2001.
34. Nominated as member of the Research Degree Committees in the Discipline of Applied Chemistry and Chemical Engineering under Punjab Technical University, Jalandhar in the year 2001
35. Nominated as member of the visiting team of Punjab State Board of Technical Education and Industrial Training, Chandigarh in connection with inspection of various Govt. Polytechnics in the State.
36. Member Equipment and Store Purchase Committee of Beant College of Engineering and Technology, Gurdaspur.
37. Member Selection Committee of Various Technical Institutions.
38. Member Board of Studies for Undergraduate Program in Chemical Engineering, Punjab Technical University, Jalandhar w.e.f September, 1998.
39. Member Board of Studies in Chemical Engineering, Punjab Technical University, Jalandhar w.e.f. August 1st, 2000.
40. Acted as member Chemical Engineering Syllabus Committee under Punjab Technical University, Jalandhar from 1997-2001.
41. Member Board of Studies in Leather Technology at Guru Nanak Dev University, Amritsar (1996-98)
42. Member Faculty of Engineering and Technology, Guru Nanak Dev University, Amritsar (1996-98)
43. Chairman Board of Studies in Chemical & Bio Engineering, Guru Nanak Dev University, Amritsar (1994-96 & 1996-98) (Two terms).

INSTITUTE LEVEL (56)

1. Chairman of the committee for starting of Centre for Interdisciplinary research at the Institute on October 23, 2022.

2. Member (convenor) of the committee to explore the feasibility and acceptability of starting of undergraduate programme in Renewable Energy and Environment by senate on September 15, 2022.
3. Member of the ACoFAR committee of the Institute on May 30, 2022.
4. Chairman Print Digital Media and Newsletter Committee of the Institute on May 11, 2022
5. Member of the Committee look into and examine the complaint submitted by Mr. Ravi Prasad regarding starting of course in MTech in Renewable Energy with SSS-NIBE on November 09, 2020.
6. Member of the Committee to re-look into number of outsourcing staff required in Departments/Sections/Cells in the Institute during this pandemic situation (COVID-19) on August 06, 2020.
7. Member Secretary of Committee to submit the proposal for implementation of Academic programme at ABVGIET, Shimla on SLIET pattern on December 14, 2016.
8. Member Secretary Building and Works Committee Atal Bihari Vajpayee Govt. Institute of Engineering and Technology, Shimla on December 14, 2016.
9. Member Secretary Finance Committee Atal Bihari Vajpayee Govt. Institute of Engineering and Technology, Shimla on December 14, 2016.
10. Member Secretary Board of Governors Atal Bihari Vajpayee Govt. Institute of Engineering and Technology, Shimla on July 02, 2016.
11. Member Selection Committee for appointment of Assistant Professor Chemical on December 11, 2015.
12. Observer during conduct of written examination for recruitment of Non-teaching post on October 18, 2015.
13. Member Anti ragging squad to check ragging incidents and to maintain discipline on July 29, 2015 and September 02, 2015.
14. Chairman Senate committee on Discipline from Sept 04-Dec 09, 2014.
15. Chairman Standing Committee from Sept 04-Dec 09, 2014.
16. Chairman Convocation Committee from Sept 04-Dec 09, 2014.
17. Chairman Accreditation Committee from Sept 04-Dec 09, 2014.
18. Public Relation Officer of the Committee on Media Communication from Sept 04-Dec 09, 2014.
19. Chairman of the Committee for the preparation of Prospectus, Curriculum Book, Annual Report and newsletter from Sept 04-Dec 09, 2014.
20. Chairman of Vigilance Committee from Sept 04-Dec 09, 2014.
21. Chairman of the Administrative Affairs from Sept 04-Dec 09, 2014.
22. Chairman of the Committee to verify the restructuring proposal related to Technical and Supporting Staff of the Institute on August 19, 2014
23. Chairman Screening/ Scrutiny of employees employed on DPL basis on June 10, 2014.
24. Chairman to scrutinize and evaluate the pensioner benefits of existing and retired employees of the Institute on June 23, 2014.
25. Chairman to make necessary provision/ Revision of remuneration and other fee on May 16, 2014.
26. Member Board of Governors from April 21, 2014 to April 20, 2016

27. Member Selection Committee for recruitment of Assistant Professor, Deputy Registrar, Assistant Registrar, Nodal Officer (Legal/Court Cases) on a contractual basis in the Academic Session 2013-14.
28. Chairman to examine the Local Audit Report (Audit Paras) for the year 2012-2013.
29. Chairman Seat Matrix Committee for preparation of Seat Matrix of BTech, MTech, MSc, MBA and PhD Programme on February 25, 2014.
30. Chairman of the Committee to scrutinize the various personal issues of the faculty and staff of the Institute on January 14, 2014.
31. Chairman to decide structure and grading system of BTech, MSc, Mech and PhD Programme on December 04, 2013.
32. Member Advisory Committee for organizing TEQIP sponsored one-week Short Term Course on “Energy and Environment Management” jointly organized by Department of Chemical Engineering and Department of Industrial and Production Engineering at NIT Jalandhar from October 19-23, 2013.
33. Appointed as Chairman Committee on Media Communication from September 01, 2013.
34. Appointed as Nodal Officer (Finance), TEQIP-II on May 31, 2013.
35. Appointed as Chairman Screening Committee to consider the MACP cases of Non-teaching staff of the Institute on October 9, 2012.
36. Appointed as Coordinator Quality Improvement Programme (QIP) Centre for Admission to M.Tech and PhD Programme on June 14, 2012.
37. Appointed as Chairman of the committee for verification of record (answer sheets, class records and preparation sheets etc.) of all cases where changes of grade is requested or awards have been received late from May 16, 2012.
38. Appointed as First Appellate Authority Right to Information Act on March 14, 2012.
39. Member Review Committee to review the first year course scheme on November 15, 2011.
40. Professor Incharge (Accreditation) from January 2012.
41. Member for implementation of Assured Career Progression Scheme under 4, 9, 14 of Punjab Government to Administrative and Technical Staff of NIT, Jalandhar on November 11, 2009.
42. Chairman House Allotment Committee from July 25, 2005 to January 11, 2008.
43. Member Board of Studies in the Discipline of Applied Mathematics for a period of three years from July, 2006.
44. Chairman Board of Studies in Chemical Engineering, National Institute of Technology, Jalandhar w.e.f. June, 2006.
45. Chairman Board of Studies in Leather Technology National Institute of Technology, Jalandhar w.e.f. June, 2006.
46. Member Senate Committee on Discipline National Institute of Technology, Jalandhar w.e.f. July 25, 2005 to 31.8.2007.
47. Chairman Institute Prospectus Committee in the year 2003.
48. Chairman Services Club & ISTE Committee REC, Jalandhar for the year 2002-2003.
49. Chairman Library Committee REC Jalandhar for the year 2002-2003.
50. President Faculty Club in the year 2002-2003.

51. Nominated as member of Monitoring Committee for the Project on "Industry Institute Partnership Program" (IIPP) sanctioned by All India Council for Technical Education, New Delhi under Training and Placement Cell, REC, Jalandhar.
52. Nominated as Member of monitoring & Progress Evaluation Committee for Implementation of the MHRD Thrust Area Project entitled "Advanced Process Control Techniques in Chemical Processes" in the Deptt. of Instrumentation & Control Engineering, REC, Jalandhar.
53. Chairman Energy Park and Center REC, Jalandhar (1998-99) 1999-2000 & 2000-2001 (Three Terms)
54. Member Energy Park and Center REC, Jalandhar 1996-97 and 1997-98 (Two Terms)
55. Member Secretary, Alumni Association, REC, Jalandhar (1996-97).
56. Member Secretary Research Development and Continuing Education Committee, REC, Jalandhar (1996-97, 97-98) (Two Terms).

18. FOREIGN VISITS

1. I have visited U.K. during the period July 4 – August 1, 2005 as per programme mentioned below
 - Presented a paper in seventh World Congress of Chemical Engineering at Glasgow, U.K. on July, 11, 2005.
 - Visited following Chemical /Petroleum Engineering Departments at U.K. Universities to see Undergraduate, Graduate and research laboratories and to interact with counterpart for mutual benefit.
 - Department of Chemical Engineering and Chemical Technology Imperial college of Science, Technology and Medicine, London to interact with counterpart on July 4, 2005.
 - Visited Department of Chemical and Process Engineering, University of Strathclyde, Glasgow U.K. on July 14, 2005.
 - Department of Mechanical Engineering, Chemical Engineering and Petroleum Engineering, Heriot-Watt University, Edinburgh (U.K.) from July 18-19, 2005.
 - School of Process, Environmental and Materials Engineering, University of Leeds, Leeds U.K. from July 21-26, 2005
 - School of Chemical Engineering and Advanced Materials, University of Newcastle Upon Tyne, Newcastle U.K. from July 27-28, 2005.
2. I have visited USA during the period October 19-31, 2007 as per programme mentioned below:
 - Presented a paper in World Congress on Engineering and Computer Science 2007 at San Francisco
 - Visited Department of Chemical Engineering University of California Berkley Campus to see undergraduate, Graduate and Research Laboratories and to interact with counterpart for mutual benefit.
3. I have visited Thailand during the period January to May, 2008 as per programme mentioned below.

- Worked as a Visiting Professor in Energy Field of Study, School of Environment Resources and Development, Asian Institute of Technology, Bangkok, Thailand under short term faculty secondment programme by the Ministry of Human Resource Development, Government of India New Delhi.
4. I have visited Mauritius during the period September 13-18, 2010 as per programme mentioned below
 - Presented a paper in International Congress on Environmental Research at Mauritius
 - Visited Department of Chemical and Sugar Engineering under Faculty of Engineering, University of Mauritius, Reduit Mauritius to see Undergraduate Graduate and Research Laboratories and to interact with counterpart for mutual benefits.
 5. I have visited Malaysia during the period November 19-27, 2012 as per programme mentioned below
 - Presented a paper/Chaired the Technical Session in 5th International Congress of Environmental Research
 - Visited Universiti Malaysia Terengganu (UMT), Terengganu Malaysia to see Undergraduate. Graduate and Research Laboratory and interact with counterpart for mutual benefits.
 6. I have visited the University of South Alabama, Mobile South Alabama USA during the period July 11-13, 2013 as per programme mentioned below:
 - Visited Department of Chemical and Biomolecular Engineering, Civil Engineering, Mechanical Engineering, Electrical and Computer Engineering etc. to see undergraduate, graduate and research laboratory and interact with counterpart for mutual benefits.
 - Interacted with Dean Engineering, Vice President, President and appointed liaison/contact officer for International Academic interchange agreement between the University of South Alabama, Mobile, Alabama and NIT Jalandhar.
 7. I have visited Australia during the period October 7-18, 2013 as per programme mentioned below:
 - Presented a paper in the International Conference GREEN House – 2013 at Adelaide.
 - Visited following Chemical/Petroleum Engineering Department at Australian Universities to see Undergraduate, Graduate and Research Programme and to interact with counterpart for mutual benefit.
 - Department of Chemical Engineering MONASH University, Clayton, VIC on October 07, 2013.
 - Department of Chemical Engineering under School of Civil, Environmental and Chemical Engineering Royal Melbourn Institute of Technology which is a University located at Melbourn on October 07, 2013.
 - School of Chemical Engineering and Australian School of Petroleum under the University of Adelaide, Adelaide on October 14-15, 2013.
 - School of Chemical and Biomolecular Engineering under the University of Sydney on October 16-17, 2013.

19. MAJOR STRENGTHS AND CAPABILITIES

- Close association with the Technical/Higher Education System in India for nearly 28 years.
- Comprehensive awareness and knowledge of the major Issues and Challenges in Technical/Higher Education.
- Associated with Curriculum Development at Post graduate, Under graduate and Diploma levels in Engineering and Technology.
- Excellent rapport and interaction with AICTE, MHRD, UGC, AIU, State Governments, State Directorates of Technical Education, Technical Universities, various technical Institutions, their faculty and students, major industries, various professional Societies like ISTE, IE (I), etc.
- Good interpersonal relations and pleasing personality.
- Confidence and capability in Planning, Coordinating, Implementing and Monitoring development activities in the field of Chemical Engineering and Technical Education.
- Broad vision and understanding of Technical/Higher Education System and its challenges in India.

20. CONSULTANCY ASSIGNMENTS UNDERTAKEN

A. HONORARY CONSULTANT

1. Engaged as Honorary Consultant for augmentation of Research & Development as well as impart specialized training in various modern techniques/technologies in the sphere of Chemical Technology by M/s Jagatjit Industries Limited, Kapurthala w.e.f. May 15, 2001 for a period of three years.
2. Appointed as Consultant with respect to Design, Product and Quality of Plastic Products by M/s N.K. Plastics, Jalandhar w.e.f. December 26, 2000.

B. CONSULTANCY ASSIGNMENTS COMPLETED

S.No.	Sponsoring Organisation's name	Nature of assignment	Duration of assignment
1.	Punjab Small Industries and Export Corporation Limited, Chandigarh	Waste Water Flow Measurement of 40 factories situated in Leather Complex, Jalandhar	
2.	Central Public Works Department, Jalandhar	BOD measurement of Untreated Sewerage Effluent	
3.	M/s. Simplex Project Ltd., Jalandhar	Testing of Organic Impurities in Stone and Sand	
4.	Indian Oil Corporation Ltd. Pipe Line Terminal, Suchi Pind, Jalandhar	Testing of Oil Contamination in Ground Water	
5.	Public Health System Corporation and Central	Testing of Water sample	

	Public Works Department, Jalandhar		
6.	M/s Marina Beverages, Jalandhar	Mineral Water Testing	
7.	M/S Jagatjit Industries Limited, Kapurthala	Effluent Water Testing	
8.	M/S Punjab Water & Sewerage Sub Division, Jalandhar	Effluent Water Testing	
9.	Chemical Engineering Laboratories of SBS College of Engineering & Technology, Ferozepur	Conduct of practical classes	

21. CONTINUOUS PROFESSIONAL DEVELOPMENT (CPD)

A) CONFERENCES/WORKSHOPS/SEMINAR/EXPERT LECTURE ORGANISED (56)

1. Delivered a Lecture (Interactive Session) with the Faculty Members of Darbhanga College of Engineering, Darbhanga, on May 5, 2024.
2. Delivered a Talk at the Industry-Academia Summit, organised by the Department of Chemical Engineering, Anna University, Chennai, and IICHe Chennai Regional Centre, on April 27, 2024.
3. Delivered an Expert Lecture during the International Conference on “Sustainable Green Technologies: Challenges & Opportunities (CHEM-TECHNOVA 2024)”, organised by the IICHe Student Chapter, HBTU, in association with the American Chemical Society, held at Kanpur during March 21-23, 2024.
4. Expert Lecture on “Petroleum Refinery Overview” by Mr V R Rajan CGM, and Mr D K Zutshi, DGM Bharat Petroleum Corporation Limited Mumbai Refinery as convener organized by Department of Chemical Engineering NIT Jalandhar on November 07, 2022.
5. Invited Talk on “Embarking on Professional Journey” by Mr. Ashutosh Raj, Paddelboat Bangalore as Chief Convener at Department of Chemical Engineering NIT Jalandhar on September 16, 2022.
6. International Conference on “Environmental Pollution and Control Technologies EPACKT-2022” organized by Department of Chemical Engineering under Faculty of Engineering and Technology Annamalai University on August, 26-27, 2022.
7. International Chemical Engineering Conference (100 Glorious years of Chemical Engineering & Technology) organized by Department Chemical Engineering NIT Jalandhar from September 16-19, 2021.
8. “Green and Clean Energy” by Dr. Sanjeev S Katti Director General ONGC Energy Centre, New Delhi as Rubal Preet Memorial Lecture organized by IICHe DRC in association with Department of Chemical Engineering NITJ on April 19, 2021.

9. “Sustainable Research in Energy and Environment” (SREE-2021) organized by Centre for Energy and Environment in association with Department of Chemical Engineering and Department of Biotechnology NITJ from January 15-16, 2021
10. Webinar on “Hydroprocessing Technologies in Petroleum Refinery” under TEQIP-III organized by Department of Chemical Engineering on September 19, 2020.
11. Webinar on “IT not only Enabler, But Critical Element of Engineering and Business Operation” under TEQIP-III organized by Department of Chemical Engineering on September 05, 2020.
12. Webinar on “Bioenergy: Transition and Technology” under TEQIP-III organized by Centre for Energy and Environment on July 03, 2020.
13. MOOCs Awareness” Workshop organized by Guru Nanak Dev Engineering College Ludhiana on July 25, 2019.
14. Summer Internship for Mentee Students by Department of CSE Guru Nanak Dev Engineering College Ludhiana from June 17 – 16 July, 2019.
15. Summer Internship for Mentee Students by Department of ECE Guru Nanak Dev Engineering College Ludhiana from June 13 – 13 July, 2019.
16. “Data Analytics- Trends and Applications” by Guru Nanak Dev Engineering College Ludhiana from June 24-29, 2019.
17. “Enabling Technologies for Wireless and Optical Networks” by Guru Nanak Dev Engineering College Ludhiana from June 10-14, 2019.
18. “Pedagogical Tools & Techniques-Effective Teaching & Comprehensive Progress” by Guru Nanak Dev Engineering College Ludhiana from June 24-29, 2019.
19. Indian Chemical Engineering Congress (CHEMCON – 2018), 71th Annual Session of Indian Institute of Chemical Engineers and International Seminar on “Seamless Chemical Engineering in Service of Humanity: Innovations, Opportunities and Challenges” organized by Indian Institute of Chemical Engineers Doaba Regional Centre at Deptt. of Chemical Engineering NIT, Jalandhar from December 27-30, 2018. (as **Chairman Local Organising Committee**)
20. “Industry Institute Interaction Programme” under TEQIP-II from March 05-06, 2016.
21. ISTE Engineering Education Congress and National Seminar on “Sustainability of Engineering Education” from March 26-27, 2015.
22. Symposium on “Emerging Trends in Mining Industry” from September 12-13, 2014.
23. 2nd ISTE Regional Convention and National Seminar on “Management of Technical Institutions” under TEQIP-II organized by ISTE NIT Jalandhar Chapter from October 30-31, 2013.
24. Indian Chemical Engineering Congress (CHEMCON – 2012), 65th Annual Session of Indian Institute of Chemical Engineers and International Seminar on “Sustainable Technologies for Energy and Environment in Process Industries” jointly organized by Doaba Regional Centre and Deptt. of Chemical Engineering NIT, Jalandhar from December 27-30, 2012.
25. Industry – Academia Workshop on “Refining & Petrochemicals” jointly organized by Petroleum Federation of India, Lovraj Kumar Memorial Trust, New Delhi from August 25-28, 2010.
26. Student Chemical Engineering Congress (S-CHEMCON- 2008) jointly organized by Indian Institute of Chemical Engineers NIT Student Chapter under Doaba Regional Centre and Department of Chemical Engineering at NIT Jalandhar from September 26-27, 2008.

27. Workshop on “Water Quality and Management in Leather Industry” sponsored by Technical Education Quality Improvement Programme (TEQIP) under services to Community and Economy at NIT Jalandhar on September 19, 2007.
28. Seminar on “Water Quality and Conservation” sponsored by Technical Education Quality Improvement Programme (TEQIP) under services to Community and Economy at Lidhra Village near NIT Jalandhar on September 3, 2007.
29. All India Student Seminar TECHEM-2003 at Deptt. of Chemical & Bio Engineering during 5-7, 2003.
30. "Technology-Industry Meet-2001: Rubber Industry" jointly organized with Confederation of Indian Industry New Delhi and Indian Rubber Institute, New Delhi during January 12-13, 2001.
31. Third National Annual Students Convention of Indian Society for Technical Education and National Seminar on the “Role of Information Technology in Technical Education" sponsored by Indian Society for Technical Education, New Delhi during October 14-15, 2000
32. Celebration of National Science Day sponsored by Punjab State Council for Science & Technology, Chandigarh on March 11, 2000.
33. Seminar on “Water Pollution” sponsored by Ministry of Environment and Forest Govt. of India, New Delhi through RRA Punjab State Council for Science and Technology, Chandigarh on March 20, 1999
34. Workshop on “Patent Awareness” sponsored by Ministry of Science & Technology Govt. of India New Delhi through Regional Resource Agency Punjab State Council for Science and Technology, Chandigarh on Jan 21, 1999
35. Second Annual Students Convention of Indian Society for Technical Education Punjab, H.P, J&K and Chandigarh section sponsored by Indian Society for Technical Education, New Delhi. on 19th Sept, 1998.
36. Seminar on “Solid Waste Management” sponsored by Ministry of Non-Conventional Energy Sources, Govt. of India, New Delhi organized by Energy Cell REC, Jalandhar. on April 30, 1998.
37. Seminar on “Recent Advances in Energy Technology” sponsored by Ministry of Non-Conventional Energy Sources Govt. of India, New Delhi. on Jan.28, 1998.
38. Workshop on “Medicinal Plant” organized by Department of Chemical & Bio Engineering REC, Jalandhar and sponsored by Ministry of Environment & Forest, Govt. of India, New Delhi through RRA, Punjab State Council for Science & Technology, Chandigarh on November 21, 1997
39. Workshop on “Energy Conservation in Building Systems” organized by Energy Cell Regional Engineering College, Jalandhar and sponsored by Energy Research Application, New Delhi, Punjab Energy Development Agency Chandigarh, Ministry of Non-Conventional Energy Sources Govt. of India, New Delhi during November 6-8, 1997.
40. Seminar on “Women and Environment” sponsored by Ministry of Environment & Forest Govt. of India New Delhi through Regional Resource Agency, Punjab State Council for Science & Technology, Chandigarh on June 6, 1996.
41. All India Students Seminar TECHEM-96 at Department of Chemical & Bio Engg. Regional Engineering College, Jalandhar during March 15-16, 1996

42. Workshop on “Oil Conservation” jointly sponsored by Petroleum Conservation Research Association, New Delhi and Rotary Club, Jalandhar West on May 19, 1995
43. All India Students Seminar TECHEM-95 at Department of Chemical & Bio Engineering, Regional Engineering College, Jalandhar on April 29, 1995
44. Seminar on “Management of Technical Institutions” at REC, Jalandhar, sponsored by Indian Society for Technical Education, New Delhi on April 29, 1995.
45. Workshop on “Interview Techniques for Job Selection” at Indian School of Mines, Dhanbad, sponsored by Institution of Engineers Dhanbad Local Center and Petroleum Engineering Society, Indian School of Mines, Dhanbad on March 9, 1991.
46. Plenary lecture during the annual session of Chemical Engineering Congress 2024 (SCHEMCON 2024) and seminar on “New Paradigms of Chemical Engineering” on September 20, 2024.
47. Guest speaker during the inauguration of the ISTE student chapter at New Government Polytechnic Patna on August 6, 2024
48. Plenary talk on Energy transition: Role of biofuel in an international conference on “Recent Trends in Transport Processes RTTP-2024) at NIT Hamirpur on June 24, 2024
49. Invited talk on energy Transition – Role of Biofuels in 5th International Conference and Applied Advances in Fundamental and Applied Sciences (RAFAS – 2024) at Lovely Professional University from April 19-20, 2024
50. Keynote lecture at National Conference on Green Technology and Sustainable Development (GTSD 2024) during May 30-34, 2024, organized by the Department of Chemistry, NIT Patna.
51. Expert Lecture on Energy Transition Role of Biofuels at Bhagalpur college of Engineering Bhagalpur on March 19, 2024
52. Lecture on Energy Transition Role of Biofuels at the Department of Energy Engineering at Central University of Jharkhand Ranchi on March 11, 2024
53. Lecture on Energy Transition Role of biofuels to 2nd Foundation course at Bihar Institute of Public Administration & Rural Development Gaya on March 4, 2024
54. Delivered a talk at the Industry Academia Summit Jointly organized by the Regional center and Anna University at Chennai on April 2, 2024
55. Invited speaker to deliver a talk on the theme “sustainable green chemical Technology: Challenges & opportunities during the International conference CHEM – TECHNOVA 2024 during March 21 – 23, 2024.
56. Energy Transition Role of Bioenergy keynote speaker in 2nd Annual symposium chem- E – Sorption 2024 at Department of Chemical Engineering, Indian Institute of Technology Jodhpur during January 13 – 14, 2024.
57. Experimental demonstration of Anoxic Aerobic MBBR modified Activated sludge process for sludge minimization from organic-rich Industrial Wastewater presented during the Canadian Society for Chemical Engineering 4th conference (CSCHE 2024) in Toronto from October 6 – 9, 2024.

59. Attended two-day Ecosystem building workshop organized by the Department of Industries Govt. of Bihar at Gyan Bhawan during January 29 – 30, 2024.

B) SHORT TERM COURSES ORGANISED (24)

1. Online Short Term Course on “Energy Application in Computer, Communication, Chemical and Electronic Engineering” jointly organized by Centre for Energy and Environment and ABV Govt. Institute of Engineering and Technology, Shimla, under TEQIP-III from February 27-March 03, 2021.
2. Online Short Term Course on “Modern Practices in Hydrocarbon Engineering” organized by the Department of Chemical Engineering under TEQIP – III from November 27 to December 01, 2020.
3. Online International Short-Term Course on “Current and Future Scope of Surface Coatings” organized by the Department of Chemical Engineering from December 02-06, 2020.
4. Online Short Term Course on “Computational Methods and Analysis for Engineers” under TEQIP-III organized by Department of Chemical Engineering from November 18-22, 2020.
5. Online Short Term Course on “Advances in Chemical, Biochemical and Allied Industries” jointly organized under Centre for Energy and Environment and Department of Biotechnology from November 05-09, 2020.
6. Online Short Term Course on “Mathematical Modeling of Complex Fluids” under TEQIP-III from September 24-28, 2020.
7. Online Short Term Course on “Valorization of Lignocellulosic biomass towards sustainable fuels, chemical and materials” under TEQIP – III from September 18-22, 2020.
8. Online Short Term Course on “Mathematical Modeling of Complex Fluids” under TEQIP from April 24-28, 2020.
9. Short Term Course on “Occupational Safety and Environmental Management in Process Industries” under TEQIP-III from June 03-07, 2019. (as **Patron/Chief Coordinator**)
10. Short Term Course on “Water Quality Management” under TEQIP-II from June 20-24, 2016
11. Global Initiative for Academic Networks (GIAN) MHRD, Govt. of India, New Delhi sponsored International Summer Programme on the topic entitled “Industrial Catalytic Technology” from July 11-15, 2016.
12. ISTE-SRM Sponsored Short Term Training Programme on “Recent Advances in Hydrocarbon Engineering” September 11-15, 2014.
13. TEQIP sponsored Short Term Training Programme on “Recent Advances in Energy Technology” during June 02-06, 2014.
14. MHRD/AICTE sponsored short term course on “Environment Management in Process Industry” during June 5-9, 2011.
15. TEQIP sponsored short term training programme on “Hydrocarbon Engineering and Management” during November 22-26, 2007
16. AICTE/ISTE Sponsored Short Term Training Programme on “Hydrocarbon Engineering” during December 6-16, 2002.

17. Winter School on “Recent Advances in Petrochemical Technology” (Two weeks) sponsored by All India Council for Technical Education and organized through Indian Society for Technical Education, New Delhi during November 20-December 01, 2000.
18. ISTE sponsored Short Term course on “Research & Development” during March 1-5, 2000.
19. Winter School on “Industry Institute Partnership: Vision 2000 & Beyond” (Two weeks) sponsored by All India Council for Technical Education and organized Through Indian Society for Technical Education, New Delhi during December 28 1999- Jan 8, 2000.
20. Winter School on “Recent Advances in Process Plant Operation” sponsored by All India Council for Technical Education New Delhi and organized through Indian Society for Technical Education, New Delhi from December 28, 1999 to January 8, 2000.
21. ISTE sponsored Short Term Course on “Total Quality Management in Technical Education” during February 24-28, 1999.
22. Induction Training for Teachers sponsored by Indian Society for Technical Education, New Delhi during March 10-14, 1997
23. Winter School on “Chemical Process Instrumentation” sponsored by All India Council for Technical Education, New Delhi during February 19-29, 1996.
24. Professional Development Program on the topic entitled “Induction Training for Teachers” sponsored by Indian Society for Technical Education, New Delhi during Jan. 8-12, 1996.

C) *SHORT TERM COURSE ATTENDED (15)*

1. Attended the “Nurturing Future Leadership Programme” under the Malaviya Mission Teacher Training Programme (MMTTP), conducted under the aegis of the Ministry of Education, Government of India, at the Indian Institute of Management (IIM), Kolkata, held during July 29 – August 2, 2024.
2. “Nanomaterials and their Green Applications through ICT” organized by Applied Science Department, Shaheed Bhagat Singh State University, Ferozepur (Punjab) from 28.03.2022 to 01.04.2022
2. Short Term Course on “Noting & Drafting” organized by Center for Continuing Education at NIT Jalandhar on 20th -22nd Dec, 2021
3. “Renewable Energy & Sustainable Development” organized by Research & consultancy Section, National Institute of Technology, Uttarakhand from March 01-05, 2021.
4. “Current and Future Scope of Surface Coatings” organized by Department of Chemical Engineering NIT Jalandhar from December 02-06, 2020.
5. “Biomass Valorization and its Life Cycle Assessment (LCA)” organized by Centre for Rural Development and Technology, Indian Institute of Technology, Delhi from December 01-05, 2020.
6. “Current Industrial Practices in Chemical Engineering” under TEQIP-III Organised by Department of Chemical Engineering from October 07-11, 2020.
7. “Management Capacity Enhancement Programme” under MHRD's National Mission for Teachers and Administrators held at The Indian Institute of Management Indore from October 05-11, 2015.

8. "Exploration, Production and Refining of Petroleum" organized by National Institute of Technology, Durgapur from January 7-11, 2013.
9. "Advances in Petroleum Refining Industry" jointly organized by Petrotech Society New Delhi and Indian Oil Corporation Ltd. At Indian Oil Institute of Petroleum Management, Gurgaon during July 3-8, 2006.
10. "Modeling of Industrial Reactors" sponsored by The Science and Engineering Research Council (SERC) of the Department of Science and Technology (DST) and organized by Department of Chemical Engineering, Indian Institute of Technology Kanpur during July 12-17, 2004.
11. "Present Trends & Future Prospects of Non-Conventional Energy in Jharkhand – Problems & Challenges" AICTE/ISTE sponsored Short Term Training Programme organized by Department of Mechanical Engineering, Birla Institute of Technology, Mesra, Ranchi during June 9-21, 2003
12. "Advanced Process Control Techniques" jointly organized by Indian Society for Technical Education, New Delhi and Gujarat State Fertilizers Corporation, Baroda, at GSFC Baroda during October 7-12, 1996.
13. "Two Phase Flow in Pipelines" organized by Quality Improvement Center, University of Roorkee at Deptt. of Chemical Engg. University of Roorkee, Roorkee during June 20- July 4, 1996.
14. "Fire and Explosion Risk Assessment in Industrial situation" at Industrial Tribology Machine Dynamics and Maintenance Engineering Center (ITMMEC) and Department of Chemical Engineering, Indian Institute of Technology, New Delhi during May 17-22, 1993
15. "Industrial Management" at Small Industries Service Institute (SISI), Department of Industry, Govt. of India, at Dhanbad during February 1-29, 1989.
16. "Coastal Engineering" at Ocean Engineering Center, Indian Institute of Technology, Madras during December 11-22, 1989.

D) SEMINARS/WORKSHOPS/WEBINAR ATTENDED (83)

1. Attended Indian Chemical Engineering Congress CHEMCON- 2025 the 78th annual session of Indian Institute of Chemical Engineers (IICHE) and International Conference on "AI Driven Chemical Engineering Processes - Transformation and Sustainability" organized by IICChE Annamali Regional Centre in collaboration with Department of Chemical Engineering, Faculty of Engineering and Technology Annamalai University, Chidambaram, Tamil Nadu from December 27-30, 2025.
2. Attended National Skill Meet - "Skills se Samridhhi Tak: Bihar's Journey to 2047", organised by BIPARD Skill Park, (Making Skills Aspirational, Affordable, Inclusive and Result-Oriented), held at Patna on May 1, 2025.
3. Indian Chemical Engineering Congress CHEMCON- 2024 the 77th annual session of Indian Institute of Chemical Engineers (IICHE) and International Conference on "Role of Chemical Engineering towards Sustainable Development and Atmanirbhar Bharat" organised by IICChE

- Doaba Regional Centre in association with Department of Chemical Engineering NIT Jalandhar from December 27-30, 2024.
4. Attended the 24th ISTE National Annual Student Convention, held at Baba Farid College of Engineering and Technology, Bathinda, during September 5-6, 2024.
 5. Annual Convention of the Bureau of Indian Standards (BIS) in the discipline of Chemical Engineering, organised by the Bureau of Indian Standards, New Delhi, held at Dharamshala during August 23-24, 2024.
 6. Attended National Conclave on "Industry Sustainability - Energy Perspective: A Mission for Viksit Bharat by 2047", organised by the Indian Institute of Chemical Engineers (IICChE), Ankleshwar Regional Centre, held at Bharuch on July 6, 2024.
 7. International Conference on "Sustainable Approaches in Desalination, Water, Energy, Environment and Advanced Materials for Water Purification", organised by the Department of Civil Engineering in association with the Indian Desalination Association (IDA), Mumbai, held during February 24-25, 2024, at MIT, Muzaffarpur.
 8. Symposium Seminar on "Routing and National Rolling of Higher Education System: A National Perspective of NEP 2020" Organised by Akhil Bhartiya Rashtriya Shaik shik Mahasangh (ABRSM) in association with
 9. AICTE, VNIT Nagpur, NIT Patna, NIT Jalandhar, NIT Raipur, NIT Nagaland SLIET Longowal at New Delhi:Pradesh Bhawan during February 15-16, 2024.
 10. Workshop on "Ecosystem Building", organised by Startup Bihar, organised by Startup Bihar Department of Industries at Gyan Bhawan Patna on January 29, 2024.
 11. Indian Chemical Engineering Congress CHEMCON- 2023 "76th Annual Session of Indian Institute of Chemical Engineers and International Conference on "Energy Transition : Challenges and Opportunities" organised by IICChE Kolkata in association with RGIPT, Jain University of Kolkata, University of Kolkata, at Jadavpur Heritage Institute of Technology Kolkata from December 27-30, 2023.
 12. International Conference on Recent Advances in Bio-Energy Research (ICRABR), organised by the Sardar Swaran Singh National Institute of Bio-Energy, Kapurthala, held during October 9-12, 2023.
 13. Seminar on "Engineering a Resilient Future: Building Stronger, Smarter, Safer", organised by the Institution of Engineers (India), Muzaffarpur Local Centre, held on September 15, 2023.
 14. 13thWorld Petrocoal Congress-2023, The World Future Fuel Submit 2023 and International Conference Petroleum-Coal –Gas Transition to a Green Planet and Sustainable Future Fuel for Global Green Climate organized by Energy and Environment Foundation at New Delhi from February 15-16, 2023.
 15. International Chemical Engineering Conference 2022 on "The Role Of Chemical and Allied Engineering in Environmental Protection and Green Energy" organized by the Department of

- Chemical and Biochemical Engineering Indian Institute of Technology Patna in association with Indian Institute of Chemical Engineers Patna Regional Centre from November 12-13, 2022.
16. Indian Chemical Engineering Congress (CHEMCON 2021), the 74th Annual Session of the Indian Institute of Chemical Engineers and Seminar on “Sustainable Utilisation of Resources for Chemical & Mineral Sectors” jointly organized by IChE Bhubaneswar Regional Centre and CSIR-Institute of Minerals and Materials Technology in association with Institute of Chemical Technology-Indian Oil Odisha Campus, Bhubaneswar during December 26-30, 2021.
 17. TEQIP-III sponsored webinar on “Why a Manuscript is Rejected” organized by Department of Chemical Engineering NIT Jalandhar on August 27, 2020.
 18. TEQIP-III sponsored webinar on “Heavy Crude Oil Production Technologies-Practical Approach” organized by Department of Chemical Engineering NIT Jalandhar on August 08, 2020.
 19. TEQIP-III sponsored Workshop on “Outcome Based Education and NBA Accreditation” organized by NIT Jalandhar on January 18-19, 2020.
 20. Workshop on “Good Governance” organized by State Project Implementation Unit-UP under TEQIP-III at Lucknow on February 01, 2019.
 21. International Conference on Skilling for Self Employment organized by Colombo Plan Staff College (CPSC) Philippines and NITTTR at Chandigarh from February 21-22, 2019.
 22. Workshop on “Outcome Based Accreditation” organized by National Project Implementation Unit (NPIU) under Ministry of Human Resource Development Govt. of India New Delhi at ABVGIET Pragatinagar, Shimla from March 9-10, 2018.
 23. International Training and Placement Conclave (MILAN – 2017) at National Institute of Technology, Hamirpur from April 14-15, 2017.
 24. Awareness Workshop on “Smart India Hackathon 2017” organized by All India Council for Technical Education (AICTE) under the aegis of Ministry of Human Resource Development, Govt. of India in association with Inter Institutional Inclusive Innovation Center (i4c) and Persistent Systems at NITTTR Chandigarh on January 03, 2017
 25. Indian Chemical Engineering Congress (CHEMCON 2016), the 69th Annual Session of the Indian Institute of Chemical Engineers and International Symposium on “Chemical Engineering Towards Sustainable Development” organized by IChE Chennai Regional Centre in association with Anna University, IIT Madras, CLRI and FICCI New Delhi at Chennai during December 27-30, 2016.
 26. Orientation workshop on “Outcome Based Education and Accreditation” organized by National Board of Accreditation, New Delhi and NITTTR Chandigarh on September 17, 2016.
 27. 49th Engineers Day 2016 and workshop on “Skill Development for Young Engineers to Reform Core Sector Vision 2025” organized by The Institution of Engineers (India), Ludhiana Local Centre, Ludhiana on September 15, 2016.
 28. Workshop on “Choice Based Credit System-Issues and Challenges” organized by Himachal Pradesh Technical University, Hamirpur on September 14, 2016.
 29. Workshop on “Advances in Petroleum and Petrochemicals” organized by Department of Chemical Engineering University of Petroleum and Energy Studies in association with IChE UPES Student Chapter at Dehradun on April 16, 2016.

30. 45th ISTE Annual National Convention and International Conference on “Challenges and Opportunities in Technical Education in the Era of Sustainable Development” organized by HVPM’s College of Engineering and Technology, Amravati Maharashtra from January 09-11, 2016.
31. Indian Chemical Engineering Congress (CHEMCON 2015), the 68th Annual Session of the Indian Institute of Chemical Engineers and International Symposium on “Enabling Process Innovation through Computation (EPIC)” & Indo-US Joint Symposium on Carbon Capture, Sequestration, Utilization and other Frontiers (CCSUF) organized by Guwahati Regional Centre Indian Institute of Chemical Engineers in Collaboration with Department of Chemical Engineering Indian Institute of Technology, Guwahati during December 27-30, 2015.
32. Indian Chemical Engineering Congress (CHEMCON 2014), the 67th Annual Session of the Indian Institute of Chemical Engineers and International Conference on “Chemical Engineering - Emerging Dimensions and Challenges Ahead” & Indo Japanese Symposium on “Separation Technology For Green Environment” organized by Chandigarh Regional Centre Indian Institute of Chemical Engineers in Collaboration with Dr. SSB University Institute of Chemical Engineering & Technology, Punjab University, Chandigarh during December 27-30, 2014.
33. 44th Annual National Convention of the ISTE on the theme “Shaping Technical Education to meet the Challenges beyond 2020” organized by College of Engineering, Trivandrum from November 27-29, 2014.
34. Inter NIT Interaction Workshop organised by Visvesvaraya National Institute of Technology, Nagpur from October 13-14, 2014.
35. 17th ISTE Students National Annual Convention-2014 and National Seminar on “Sustainable Development through Innovative Technologies” organized by VVP Engineering College, Rajkot-Gujarat from October 10-11, 2014.
36. 2nd World Summit on Accreditation (WOSA 2012) on the theme “International Recognition of Educational Qualifications” organized by National Board of Accreditation at New Delhi from March 08-10, 2014.
37. AIU North Zone Vice Chancellors Meet organized by Babasaheb Bhimrao Ambedkar University under the aegis of Association of Indian Universities at Lucknow from December 12-13, 2013.
38. Industry-Academia Workshop on “Design of Refinery Distillation Columns” conducted by Petroleum Federation of India and Lovraj Kumar Memorial Trust (LKMT) in association with Engineers India Ltd (EIL), Indian Oil Corporation Ltd (R&D Division) and Petroleum Conservation Research Association (PCRA) at Indian Oil Institute of Petroleum Management, Gurgaon on October 23-24, 2013.
39. “Disposal of Appeal under Right to Information” organized by Institute of Secretariat Training and Management Govt. of India Ministry of Personnel, Public Grievances & Pensions Department of Personnel and Training.
40. NBA Accreditation Awareness Workshop organized by National Institute of Technology Karnataka, Surathkal supported by Technical Education Quality Improvement Programme (TEQIP-II) from August 23-24, 2013.

41. A special lecture on “Leadership Effectiveness” delivered by Mr. Bob Anderson, CEO and Founder of “Leadership Circle” at Senate Hall of the IIT Delhi organized by MHRD under TEQIP-II on August 5, 2013.
42. National Workshop on “Quality Assurance and Accreditation” jointly organized by Ministry of Human Resource Development Govt. of India, UK-India Education and Research Initiative (UKIERI) and National Board of Accreditation at New Delhi from May 12-13, 2013.
43. Knowledge workshop on “Personality and Skill Development” under TEQIP – II at NIT Jalandhar on March 3, 2013.
44. “Role of Technical Affiliating Universities in improving the quality of technical education with a focus on Engineering education” jointly organized by planning commission and Ministry of HRD at Yojana Bhavan New Delhi on October 30, 2012.
45. “Outcome Based Accreditation Process & Parameters for Evaluators/ Stakeholders” organized by National Board of Accreditation New Delhi at Sri Sukhmani Institute of Engineering & Technology, Derabassi on October 28, 2012.
46. Awareness Programmes on National Mission on Education through Information and Communication Technology (NMEICT) organized by Dr. B R Ambedkar National Institute of Technology, Jalandhar from October 19 – 20, 2012.
47. Academia Industry Youth Forum during 10th International Oil and Gas Conference and Exhibition ‘Petrotech-2012’ on the theme “Hydrocarbon and Beyond: Changing Landscape” organized by Petrotech Society New Delhi at India Habitat Centre from October 15-16, 2012.
48. 3rd Bhartiya Vigyan Sammelan and Expo on “Science for Global Development” organized by jointly organized by the Vijnana Bharati, PTU, LPU and Punjab State Council for Science and Technology at LPU Campus, Jalandhar from October 11 – 14, 2012.
49. “Outcome Based Accreditation Process and Parameters” organized by National Board of Accreditation at Delhi Technological University, Delhi from September 21-22, 2012.
50. 1st World Summit on Accreditation (WOSA 2012) on the theme “Achieving Excellence through Accreditation” organized by National Board of Accreditation at New Delhi from March 25-28, 2012.
51. “41st Annual National Convention of Indian Society for Technical Education and National Seminar on “The Role and Relevance of Regulatory Bodies in Higher Education” at Baba Banda Singh Bahadur Engineering College, Fatehgarh Sahib, Punjab during December 16-18, 2011.
52. Universities of India and Global Higher Education Summit and Launch of University – Industry Congress jointly organized by Association of Indian University and confederation of Indian Industry at Mahabalipuram, Tamil Nadu on March 12, 2011.
53. Lovraj Kumar Memorial Trust Annual Workshop 2010 “Impact of Natural Gas on Process Industry - Refineries, Petrochemicals and Fertilizers” jointly organized by Engineers India Ltd. and Petrotech Society at India Habitat Centre New Delhi from November 24-25, 2010.
54. Oil & Gas Investments in Iraq and the Middle East: Implications for India jointly organized by PFC Energy and Petrofed New Delhi on June 14, 2010.
55. Physical properties test methods, prediction and blending characteristics of petroleum products organized by School of Petroleum Products and Application, Mumbai during March 4-6, 2010.

56. Indian Chemical Engineering Congress (CHEMCON 2009), the 62nd Annual Session of the Indian Institute of Chemical Engineers and National Seminar on “Role Chemical Engineers in Pharma Industry” organized by Indian Institute of Chemical Engineers Waltair Regional Centre in Collaboration with Department of Chemical Engineering, Andhra University, Visakhapatnam during December 27-30, 2009.
57. Academia Industry Interface – Petrotech 2009 on Energy Independence with Global Cooperation: Challenges and Solutions organized by Petrotech Society New Delhi at India Habitat Centre New Delhi from January 13-14, 2009.
58. Indian Chemical Engineering Congress (CHEMCON 2008), the 61st Annual Session of the Indian Institute of Chemical Engineers and National Seminar on “Green Technology and Sustainable Development” organized by Indian Institute of Chemical Engineers Chandigarh Regional Centre in Collaboration with Department of Chemical Engineering and Technology, Panjab University, Chandigarh during December 27-30, 2008
59. “Brainstorming and Industry – Academia Interaction on Developing Talent to Sustain oil & Gas Industry in India” organized by Ministry of Petroleum & Natural Gas Government of India at Hotel Ashoka New Delhi on October 17, 2008.
60. Workshop on “Change Management to Promote Teaching and Learning” at Asian Institute of Technology, Bangkok, Thailand from April 6-7, 2008
61. Indian Chemical Engineering Congress (CHEMCON 2007), the 60th Annual Session of the Indian Institute of Chemical Engineers and National Seminar on “Emergence of Indian Chemical Industry as a Global Giant: Vision 2020” organized by Indian Institute of Chemical Engineers Calcutta Regional Centre at Heritage Institute of Technology Calcutta during December 27-30, 2007
62. Workshop on “Gasification of Petroleum Residues and Coal” organized Seminar on “R & D – Round Table Conference” organized by Petrotech Society at Hotel Le-Meridien New Delhi on March 20, 2007.
63. Chief Minister’s Conclave on North Indian Common Economy (NICE) organized by PHD Chamber of Commerce and Industry at PGI Auditorium Chandigarh on September 28, 2006.
64. Seminar on Academia-Industry Interface organized by PETROTECH society on behalf of the oil industry, held at Indian National Science Academy, New Delhi during September, 17-18, 2004.
65. Workshop on “Energy Management and Conservation in Hydrocarbon Industry” jointly organized by Lovraj Kumar Memorial Trust and Indian Institute of Chemical Engineers (NRC) at India Habitat Centre, New Delhi during November 11-12, 2003.
66. 32nd Annual Convention of ISTE and National Seminar on “Role of Technical Education for Sustainable Development” at NMAM Institute of Technology Nitte, Karnataka during December 27-29,2002.
67. Fifth National Annual Students Convention of ISTE and National Seminar on Social Responsibility of Technical Institutes in Rural Development at Sant Longowal Institute of Engineering and Technology, Longowal, Punjab during October 3-4,2002.
68. National seminar on “Recent Advances in Environmental Science & Technology (RAEST-2002) at SLIET Longowal on October 4, 2002.

69. Workshop on “Solvent Extraction” organized by Department of Chemical Engineering, Indian Institute of Technology, Roorkee during March 9-10, 2002.
70. Seminar on “Impact of WTO on Agriculture Engineering Perspective” organized by The Institution of Engineers (India), Ludhiana Local Centre at IEI Ludhiana on May 13, 2001.
71. Fourth Annual Students Convention of ISTE and National Seminar on Harnessing Human Resources for the Development of India – Problems, Challenges & Opportunities at Kongu Engineering College, Perundurai, Erode, Tamilnadu during July 28-29, 2001.
72. 31st Annual Convention of ISTE and National Seminar on “Integrating Human values in Technical Education” at Kalinga Institute of Industrial Technology, Bhubaneswar during December 27-29, 2001.
73. 30th Annual Convention of ISTE and National Seminar on “Shaping Technical Education for the Future” at Nirma Institute of Technology, Ahmedabad during December 14-16, 2000.
74. Workshop on “Role of Chemical Engineering in the Semiconductor Industry” jointly organized by Department of Chemical Engineering & Technology, Punjab University, Chandigarh, Department of Science & Technology U.T Administration and Indian Society for Technical Education, P.U Chandigarh Chapter at Chemical Engineering & Technology Department, P.U Chandigarh on April 28, 2001.
75. Seminar on “Standardization, Product Certification and Quality Systems” jointly organized by Bureau of Indian Standards and Dr. B.R. Ambedkar Regional Engg. College, Jalandhar at REC Jalandhar on September 20-21, 2000.
76. Workshop on Accreditation jointly organized by National Board of Accreditation of All India Council for Technical Education, New Delhi & Dr. B.R. Ambedkar Regional Engineering College, Jalandhar on August 27, 2000.
77. Seminar on “Prospects of Technical Education” in Goa at Goa University, Goa organized by Directorate of Technical Education Govt. of Goa on June 10, 2000.
78. Seminar on “Quality Management in Small & Medium Enterprises” jointly organized by REC, Jalandhar and CII (Northern Region) at REC, Jalandhar on February 10, 1999.
79. Workshop on “Special Application of Commodity Polymers & their Relevance in Chemical Industries” at REC Jalandhar in April 1998.
80. Management of Congress Grass (Parthenium Hysterophorus through Vermiculture Biotechnology – A study at REC, Jalandhar in April 27, 1999.
81. Indian Chemical Engineering Congress (CHEMCON 99), the 52nd Annual Session of the Indian Institute of Chemical Engineers and National Seminar on “Chemical Engineering and Sustainable Development organized by Indian Institute of Chemical Engineers (Chandigarh Regional Centre) in Collaboration with Department of Chemical Engineering & Technology, Punjab University, Chandigarh during December 20-23, 1999.
82. 29th Annual Convention of ISTE and National Seminar on “Management of Technical Education in the 21st Century” organized by Kongu Engineering College Perundurai, Erode (Tamil Nadu) during December 10-12, 1999.
83. Workshop on “Lube Extraction Technology” organized by Indian Institute of Petroleum, Dehradun in Collaboration with Center for High Technology, New Delhi during July 26-28, 1999.

84. QIP sponsored workshop on “Computer Applications in Chemical Engineering “organized by the Department of Chemical Engineering, Indian Institute of Technology Delhi on April 27, 1999.
85. 28th Annual Convention of ISTE and National Seminar on Environment & Development at Punjab Agriculture University, Ludhiana during Nov. 21-23, 1998
86. Seminar on “Technical Education in 21st Century at Dr. B.R. Ambedkar Regional Engineering College, Jalandhar on May 28th, 1998
87. “26th Annual Convention of Indian Society for Technical Education and National Seminar on “Technical Education: Prescription, Assessment and Control of Quality and Development Policy” at Malviya Regional Engineering College, Jaipur during January 4-6, 1997.
88. Seminar on “Recent Trends in Rubber Technology & Products” at REC Jalandhar on March, 1997
27th Annual Convention of Indian Society for Technical Education and National Seminar on “Global Interconnectivity for Technical Education in India” at Maulana Azad College of Technology, Bhopal during December 19-21, 1997.
89. “25th Annual Convention of Indian Society for Technical Education and National Seminar on “Privatization of Technical Education” and its Implications at Visvesvaraya Regional College of Engineering Nagpur during December 28-30, 1995.
90. International Seminar on “Surfactant for Nineties & Beyond” organized by Indian Institute of Chemical Engineers (Northern Regional Center) & Department of Chemical Engineering, Indian Institute of Technology, New Delhi during November 3-4, 1995.
91. Seminar on “Simulation and Optimization of Process Plants” at Department of Chemical Engineering, Indian Institute of Technology, New Delhi organized by Indian Institute of Chemical Engineers (North Regional Center), New Delhi during February 26-27, 1993.
92. Workshop on “Geotextile Application in Civil Engineering” at Punjab State Council for Science & Technology, Chandigarh on January 8, 1993.
93. International Seminar on “Automation & Control System for Process Industries” at New Delhi organized by Indian Institute of Chemical Engineers, North Regional Center, New Delhi on November 20-21, 1992.
94. Participated in National Symposium on Routing and Rolling of Higher Education system: A National Perspective of NEP 2020 at Madhya Pradesh bhawan New Delhi jointly organized by Akhil Bhartiya Rashtriya Shaikshik Maharsangh (NITIF) in association with All India in association with All India Council for Technical Education (AICTE), V NIT Nagpur, NIT Patna, NIT Raipur, NIT Jalandhar, NIT Nagaland and SLIET Longowal during February 15-16 2024.
95. Attended a Two-day Ecosystem Building workshop organized by the Department of Industries Govt. of Bihar at Gyan Bhawan from January 29-30, 2024.
96. Attended Annual convention of Chemistry and Chemical Engineering discipline of Bureau of India Standards at Dharamshala on August 23 - 24, 2024

KEYNOTE ADDRESS/EXPERT/ INVITED LECTURES DELIVERED (61)

- 1. Invited to deliver an expert lecture on the topic entitled "Energy Transition for Sustainability" at Government Engineering College Banka on April 7, 2025 as Guest of honour**

2. **Delivered Keynote invited lecture on the topic entitled "National Conference on Sustainable Green Technology & Development" organised by Department of Chemistry, National Institute of Technology, Patna on May 31, 2025.**
3. **Delivered lecture on the topic entitled "Role of Human value in Education as Guest of Honour" during inauguration of Three day UHV-Introductory (UHV-H) Face to Face Faculty Development Programme organised by Universal Human College of Business Lalit Narayan Mishra College of Business management Muzaffarpur on August 16, 2025.**
4. **Delivered an expert lecture on the topic entitled "Management of Technical Institutions" during Foundation day celebration of Darbhanga College of Engineering, Darbhanga on November 20, 2024.**
5. **Delivered an expert lecture on the topic entitled "Energy Transition for Sustainability" at Gaya College of Engineering Gaya on September 28, 2024.**
6. **on the topic entitled " Role of ISTE in Technical Education" Delivered an invited Lecture as Guest Speaker during inauguration of ISTE Student Chapter at New Govt Polytechnic Patna on August 6, 2024.**
7. **Delivered Expert Lecture as Esteemed Speaker during Plenary Session on the topic entitled - "Recent Trends in Transport Process (RTTP- 2024)" during Plenary Session of International Conference on RTTP- 2024 at National Institute of Technology, Hamirpur during June 24-26, 2024.**
8. **Delivered an invited expert lecture talk on "Energy Transition - Role of Biofuel" during 5th International Conference on "Recent Advances in Fundamental and Applied Sciences (RAFAS - 2024)" held at Lovely Professional University Phagwara on April 20, 2024.**
9. **Delivered an expert lecture on the topic entitled "Energy Transition – Role of Biofuels" at Department of Energy Engineering, School of Engineering and Technology, Central University of Jharkhand Ranchi on March 11, 2024.**
- 10.
11. **Delivered Expert Lecture on the topic entitled "Energy Transition - Role of Biofuel" to the Faculty, Staff & Students of Bhagalpur Engineering College, Bhagalpur on March 20, 2024.**
12. **Delivered lecture on the topic entitled "Energy Transition - Role & second Biofuel" to the Trainees of Bihar Institute of Public Administration & Rural Development Gaya on March 4, 2024.**
13. **Delivered an Expert Lecture on the topic entitled "Energy Transition - Role of Bio Energy" during 2nd Annual Symposium Chem-E-Sorption 2024 organised by Department of Indian Chemical Engineering, Institute of Technology, Jodhpur from January 13-14, 2024.**
14. **Delivered Expert talk on the topic entitled "Energy Transition for Sustainability Role of Biofuel" during the one-week short-term course on "Green Energy Materials and Technology" conducted by National Institutes of Technical Teachers Training Chandigarh at Shaheed Bhagat Singh State University, Ferozepur May 03, 2023.**

15. Delivered invited lecture on the topic entitled “Opportunities for BTech Students in Petroleum Industry” at Govt. Engineering College, Banka on February 27, 2023
16. Delivered invited Lecture on the topic entitled “Development of Improved Process for Trans-esterification of Vegetable Oil” co-author Poonam Gera during Indo-Canadian session in the International conference on “Sustainability in chemical Processes through Digitalization, Artificial Intelligence and Green Chemistry” and 75th Annual session of Indian Institute of Chemical Engineers held at Harcourt Butler technical University Kanpur from December 27-30, 2022
17. Delivered expert lecture on the topic entitled “Modern Innovations in Chemical Engineering and Technology (MICET 2021)” during online FDP at School of Chemical Technology, HBTU Kanpur on August 9-13, 2021.
18. Delivered expert lecture on the topic entitled “Understanding the Dynamics of Accreditation Process” during Faculty Development programme on Innovative Trends in Teaching Learning Process and Research Methods in Accordance with Industry Requirements at Chandigarh Business School of Administration (CBSA), Landran from July 5-9, 2021 on July 09, 2021.
19. Delivered expert lecture on the topic entitled “Environmental Management in Hydrocarbon Industry” during one week online Short Term Training Programme on Energy and Environmental Pollution organized by Department of Chemical Engineering Beant College of Engineering & Technology, Gurdaspur from March 01-06, 2021 on March 06, 2021.
20. Delivered invited lecture on the topic entitled “Environment Management in Petroleum Industry” during online refresher course conducted by UGC-Human Resource Development Centre, Guru Nanak Dev University, Amritsar on November 27, 2020.
21. Delivered invited lecture on the topic entitled “Overview of Hydrocarbon Industry during online Short Term Course on “Advanced Research Trends in Chemical Engineering” from October 28th October – 1st November, 2020 organized by Department of Chemical Engineering National Institute of Technology, Hamirpur on November 01, 2020.
22. Delivered invited lecture on the topic entitled “Overview of Petroleum Industry” at Atal Bihari Vajpayee Govt. Institute of Engineering and Technology, Pragatinagar on March 06, 2020.
23. Interacted with all the faculty members and Research Scholars of Department of Chemical Engineering National Institute of Technology, Srinagar to expedite the activities of IChE Student Chapter and further to start Regional Centre on December 30, 2019.
24. Delivered invited lecture on the topic entitled “Vision of Management and Research Activities in Bio Energy during International Conference on “Recent Advances in Fundamental and Applied Sciences” (RAFAS 2019) organized by School of Chemical Engineering and Physical Sciences, Lovely Faculty of Technology and Sciences, Lovely Professional University, Punjab on November 06, 2019.
25. Delivered key note address on the topic entitled “Vision of Management and Research Activities in Bioenergy” during National Conference on Recent Trends in Chemical Sciences & Engineering (RTCSE-2017) at Department of Chemical Engineering National Institute of Technology, Hamirpur on October 13, 2017.

26. Delivered expert lecture on the topic entitled “Petroleum and Petrochemical Processing” at Department of Chemical Engineering National Institute of Technology, Agartala on February 14, 2017.
27. Delivered Key note address on the topic entitled “Overview of Petroleum Industry” during TEQIP sponsored Short Term Course on “Recent Advances in Energy Sources and Environment Protection” at Department of Chemical Engineering Deenbandhu Chhotu Ram University of Science and Technology, Murthal Sonapat on February 06, 2017.
28. Delivered Expert Lecture on the topic entitled “Academia and Industry: The Road Ahead” during TEQIP-II sponsored workshop on Industry Institute Interaction Programme organized by Department of Chemical Engineering National Institute of Technology, Hamirpur on October 21, 2016.
29. Delivered Expert Lecture on the topic entitled “Overview of Petroleum Industry” to faculty, Research Scholars and students of Chemical Engineering at National Institute of Technology, Srinagar on March 18, 2016.
30. Delivered Expert Lecture on the topic entitled “Futuristic Trends in Renewable Energy” during workshop on “Application of Chemical Engineering in Alternative Sources of Energy” and inauguration of IChE Student Chapter jointly organized by IChE Doaba Regional Centre and Shaheed Bhagat Singh State Technical Campus at Ferozepur October 30, 2015.
31. Delivered keynote address on the topic “Futuristic role of Engineering Education” during ISTE Section Annual Convention on Challenges of Technical Education in Nation Building organised by National Institute of Technology, Hamirpur on September 30, 2015.
32. Delivered an Expert Lecture on the topic “Role of Indian Institute of Chemical Engineers towards growth of Chemical Engineering Students” at Department of Chemical Engineering Saheed Bhagat Singh Technical Campus, Ferozepur on August 30, 2014.
33. Delivered an Expert Lecture on the topic “Exploration and Production of Hydrocarbon Industry” at Department of Petroleum Engineering University College of Engineering, Rajasthan Technical University, Kota on August 09, 2014.
34. Delivered an Inaugural address in the National Conference on “Recent Trends in Chemical and Environmental Sciences (RTCES-2014) as Chief Guest in Arni University, Kangra, H.P on February 27, 2014.
35. Delivered an Expert Lecture on the topic entitled “An Overview of Petroleum Industry” at Department of Chemical Engineering, Beant College of Engineering and Technology, Gurdaspur under TEQIP on February 26, 2014.
36. Delivered a lecture on the topic entitled “Pollutant Elimination Systems in Petroleum Industry” for the AICTE sponsored Faculty development programme on “Contemporary Research and Practices in Pollutant Elimination Systems towards Cleaner Environment” at Sri Venkateshwara College of Engineering, Sriperumbudur Tamilnadu on May 24, 2013.
37. Delivered keynote address during Inauguration of Department of Petroleum Engineering and National Seminar on “Petroleum Engineering Career Prospects: Growth and Challenges” at Chandigarh University on May 14, 2013.

38. Delivered keynote address on the theme “Quality Education in Engineering & Technology” during National Level ISTE Function “TECHNO-OPUS 2013” at Shaheed Bhagat Singh State Technical Campus Ferozepur on February 12, 2013.
39. Delivered keynote address during inaugural ceremony as Guest of Honor on the theme “Women Technocrats Connecting the World” during 1st Students (Women) Convention of ISTE Punjab, HP, J&K and Chandigarh section at Rayat Bahra College of Engineering & Nano Technology for Women at Hoshiarpur on September 28, 2012.
40. Delivered a lecture during Hindi Day/ Pakhwara celebration at Sardar Swaran Singh National Institute of Renewable Energy, Kapurthala on Sept. 27, 2012.
41. Acted as one-man Panelist in the discussion on the topic “Career Counseling in Engineering Education” in ‘Manzil’ Programme telecasted by Jalandhar Doordarshan, Jalandhar on July 12, 2012.
42. Delivered Keynote address on the theme “Environment in Technical Education” during the inauguration of ISTE Chapter and Seminar on “Environmental Issues in Technical Education” at Rayat-Bahra College of Engineering and Nano Technology for Women, Hoshiarpur on March 3, 2012
43. Delivered an Invited lecture on the topic entitled “Algal Solution for Waste Treatment and Recovery” during National Conference on Waste Management & Recycling organized by Department of Chemical Technology Sant Longowal Institute of Engineering and Technology, Longowal (Punjab) on December 09, 2011.
44. Delivered an Expert lecture on the topic entitled “An Overview of Petroleum Industry” at Department of Chemical Engineering Malviya National Institute of Technology Jaipur on April 5, 2010.
45. Delivered an expert lecture on the topic “Acidizing” to an Executive Batch of PTT Exploration and Production Public Company Limited Thailand at University of Petroleum and Energy Studies, Gurgaon on November 1, 2008.
46. Delivered an invited lecture on the topic “Overview of petroleum industry” during National seminar on Synergy in Mineral Sector for sustainable development (SMSSD) – vision 2020 at National Institute of Technology Karnataka Surathkal on October 4, 2008.
47. Delivered an expert lecture on the topic “Well Stimulation” and “Surfactant for Well Treatment” to an Executive Batch of PTT Exploration and Production Public Company Limited Thailand at University of Petroleum and Energy Studies, Gurgaon on August 23, 2008
48. Delivered an invited talk on the topic entitled “Alternate Energy An Review” during National Conference on Clean Technology and Cleaner Production organized by Department of Chemical Engineering Deenbandhu Chhotu Ram University of Science and Technology, Murthal, Sonapat (Haryana) from May 8-9, 2008.
49. Delivered a special lecture on the topic entitled “Biodiesel” during National Biotechnology Conference – 2006: Current Trends and Future Perspectives at Department of Biotechnology Indian Institute of Technology, Roorkee on September 3, 2006.
50. Delivered an expert lecture on the topic entitled “Biodiesel” to the students and faculty members of the Department of Petroleum and Petrochemical Engineering at Maharashtra Institute of Technology, Pune on July 22, 2006.

51. Delivered an invited talk on the topic entitled “Transestrification of Edible Oil” at University of Petroleum and Energy Studies Dehradun on January 4, 2006.
52. Delivered an invited talk on the topic entitled “Production of Biodiesel from Non Edible Oil” at Birla Institute of Technology, Mesra Ranchi on January 10, 2006.
53. Delivered an invited talk on the topic entitled “Fuel Quality and its Upgradation” at Indian School of Mines, Dhanbad on January 13, 2006.
54. Delivered a lecture on the topic entitled “Vermi composting” in a workshop on Solid Waste Management organized by PAHAL at Jalandhar and sponsored by Punjab State Council for Science and Technology, Chandigarh during celebration of World Environment Day on June 5, 2005.
55. Delivered a lecture on the topic “Overview of Petroleum Industry” in a refresher course on Hydrocarbon Engineering at Department of Petroleum Studies Aligarh Muslim University, Aligarh on January 5, 2005.
56. Delivered an Expert lecture on the topic entitled “Industry Institute Interaction” during AICTE/ISTE sponsored Short Term Training Programme on “Training on Recent Trends in Educational Technology and its Management for Technical Teachers in India” at Muzaffarpur Institute of Technology Muzaffarpur (Bihar) during February 16-27, 2004. The lecture was delivered on February 21, 2004.
57. Delivered an Expert lecture on the topic entitled “Fuel Quality and its Upgradation” during AICTE/ISTE sponsored Short Term Training Programme on “Present Trends & Future Prospects of Non-Conventional Energy in Jharkhand – Problems & Challenges at Birla Institute of Technology Mesra, Ranchi during June 9-21, 2003.
58. Delivered an invited talk on the topic entitled “Need for interdisciplinary Research in Technical Institutions” during the Seminar on “Interdisciplinary Research in Technological Excellence” organized at SLIET Longowal in Collaboration with Punjab Academy of Sciences on January 17, 2002.
59. Acted as Penalist in the discussion on the topic “Impact of Pollution on Agriculture” in ‘Mera Pind Mera Khet’ Programme telecasted by Jalandhar Doordarshan, Jalandhar on October 31, 2001.
60. Delivered a lecture on “Environment Awareness” of Officers and Employees of Indian Oil Corporation, Mathura Jalandhar Pipeline Terminal Jalandhar during celebration of World Environment Day on June5, 2001.
61. Delivered an expert lecture on the topic entitled “Role of AICTE & MIT in Technical Education” during AICTE sponsored 3 weeks Induction Training Programme for Teachers at REC, Jalandhar during Feb 27-March 20, 2001, on March 01, 2001.
62. Delivered an invited lecture on the topic entitled “Status of Polymer Industry in India” during Skill Cum Technology Upgradation Programme (STUP) at Central Institute of Hand Tool, Jalandhar sponsored by Small Industries Development Bank of India and organized by Central Institute of Plastics Engineering & Technology, Amritsar during March 22-25, 2000.
63. Delivered a lecture on the topic entitled “Role of AICTE, DST, UGC, DBT, ISTE in Research and Development” in ISTE sponsored Short Term Course on Research and Development at Regional Engineering College, Jalandhar during March 1-5, 2000.

64. Delivered a lecture on the topic entitled “Prospect on Petroleum Industry in Next Millennium” in AICTE/ISTE sponsored Winter School on Recent Advances in Process Plant Operation at Regional Engineering College, Jalandhar during Dec. 28,1999- January 8,2000.
65. Delivered an expert lecture on the topic entitled “Upgradation and Fuel Quality” at Indian Institute of Petroleum Dehradun on August 19, 1999.
66. Delivered a keynote address as Chief Speaker on the theme “Keep our Water Resources Clean” during Environment Seminar at Govt. High School, Soofi Pind Jalandhar Cantt. The seminar was sponsored by Punjab State Council for Science & Technology, Chandigarh and jointly organized by Dayanand Model School, Model Town Jalandhar and Lions Club Jalandhar Investors, Jalandhar on August 1st 1999.
67. Delivered an Expert lecture on the topic entitled “Fuel Quality and its Upgradation” during Technology Camp at Sant Longowal Institute of Engineering and Technology Longowal Sangrur on July 29, 1999.
68. Delivered a lecture on the topic entitled “Total Quality Management in Technical Education” in ISTE sponsored Short Term Course on Total Quality Management in Technical Education (February 24-28, 1999) at REC, Jalandhar which organized by ISTE REC, Jalandhar Chapter on Feb. 26th, 1999.
69. Invited by Guru Nanak Dev University, Amritsar to address the students in Summer Camps (26.5.1998 to 30.06.1998) for Students at University Holiday Home, Upper Bakrota.
70. Delivered a Keynote Address at Regional Seminar on “Conservation and Plantation of Tress for Environmental Protection” held at C.R. State College of Engineering Murthal, Sonapat on January 23, 1998.
71. Delivered a lecture on the topic entitled “Role of AICTE, DST, MHRD, ISTE in Technical Education” in Short Term course on Induction Training for Teacher during March 10-14, 1997 at REC, Jalandhar which was sponsored by ISTE, New Delhi.
72. Delivered a lecture on the topic entitled “Teachers as Counselors” in Professional Development Program on Induction Training for Teachers (January 8-12, 1996) at REC, Jalandhar sponsored by ISTE, New Delhi on January 9, 1996.
73. Delivered a lecture on the topic entitled “Technology Selection & Procurement” in the Entrepreneurship Development Programme (Sept. 19-29, 1994) organized by Apex Institute of Entrepreneurship & Business Development Punjab in Collaboration with REC, Jalandhar on 28.09.94 at REC, Jalandhar on September 28, 1994.
74. Delivered Keynote Address on the topic entitled “New Technology in Offshore Mineral Exploitation” at Institution of Engineers (India), Dhanbad local center, Dhanbad on August 20, 1990.

CHIEF GUEST/GUEST OF HONOR/DISTINGUISHED GUEST (02)

1. Attended ISTE Faculty Section Convention of Bihar and Jharkhand Section and National Seminar on "Recent Trends in Science Technology & Management at Guru Gobind Singh Educational Society's Technical campus Bokaro, as Patron and Guest of honour from October 31-November 1, 2025.
2. Attended Annual Techfest (Vision - 2025) at Government Engineering College Vaishali as Chief Guest on September 14,2025.

3. Attended Technocrat's meet on Vastu Shastra as Chief Guest Organised by Indian Concrete Institute (ICI) Patna centre and MP Birla Cement at Muzabbarepur on
4. Distinguished Guest during Inaugural ceremony of Indian Institute of Chemical Engineers Patna Regional Centre at Department of Chemical and Biochemical Engineering Indian Institute of Technology Patna on November 13, 2022.
5. Distinguished Guest during Inaugural Ceremony of National Training Programme on “Renewable Energy Technologies : Recent Advancement and Techno-Economic Aspects” organized by Sardar Swaran Singh National Institute of Bio-Energy Kapurthala under Ministry of New and Renewable Energy Govt. of India from November 28-December 01, 2022.

22. PROFESSIONAL AFFILIATION (29)

1. President-2021 Indian Institute of Chemical Engineers elected during 73rd Annual Session of Indian Institute of Chemical Engineers (CHEMCON- 2020) held at Osmania University, Hyderabad for the period January 01, 2021 to December 31, 2021 on December 29, 2020.
2. Elected as Honorary Treasurer of Indian Institute of Chemical Engineers during 72nd Annual Session of Indian Institute of Chemical Engineers (CHEMCON- 2019) held at Indian Institute of Technology, Delhi for the period January 01, 2020 to December 31, 2020 on December 18, 2019.
3. Elected as National Executive Council Member representing Northern Region of Indian Institute of Chemical Engineers Kolkata for the period January 01, 2020 to December 31, 2022 on October 01, 2019.
4. National Vice President Indian Institute of Chemical Engineers Kolkata for the period January-December, 2014.
5. Corporate Member in the committee of Chemical Engineering Division of Punjab and Chandigarh State Centre the Institutions of Engineers (India) for the session 2013-14 and 2014-15, 2018-19, 2022-2023
6. Executive Council Member from Northern Zone Indian Institute of Chemical Engineers, Kolkata for the period 2008-2010 and 2014-2016.
7. Organizing Secretary Indian Chemical Engineering Congress CHEMCON -2012.
8. Executive Council Member ISTE National Executive Council (2012-2014).
9. Fellow, International Congress of Environmental Research from 2011.
10. Honorary Controller of Examination of Indian Institute of Chemical Engineers Kolkata for the year January 1, 2010 to December 31, 2010.
11. Honorary Registrar of Indian Institute of Chemical Engineers Kolkata for the term January 1, 2009 to December 31, 2009.
12. Secretary, Indian Society for Technical Education Punjab, H.P, J&K and Chandigarh Section during 2003-2012.
13. Chairman, Indian Institute of Chemical Engineers Doaba Regional Centre Jalandhar, during 2003 – 2012.
14. President, Faculty Club Regional Engineering College Jalandhar for the year 2002.

15. Executive Committee member of the Institution of Engineers (India) Ludhiana Local Centre, Ludhiana for the session 2000-2002 and 2008-2010.
16. Chartered Engineer (India) (M115878/8) Institutions of Engineers
17. Executive Council Member ISTE National Executive Council (1999-2000).
18. Faculty Advisor Indian Society for Technical Education Students Chapter, REC, Jalandhar.
19. Fellows Institution of Engineers (F 108502-2)
20. Member, Section Managing Committee of ISTE representing Punjab, H.P., Chandigarh and J&K (1997-98, 1999-2000) for two terms
21. Secretary Cum Treasurer, ISTE – REC Jalandhar Chapter (1995-97, 1997-99) for two terms.
22. Life Fellow, Indian Institute of Chemical Engineers (LF 09764)
23. Life Member, Indian Society for Technical Education (LM 10514)
24. Life Fellow, Indian Council of Chemist (LF/1758)
25. Life Member, Punjab Academy of Sciences (L-1421)
26. Life Member, Indian Desalination Association (LM-529)
27. Life Fellow, Indian Chemical Society (LF-8252)
28. Life Member, Oil Technologists Association of India, Kanpur (L-189)
29. Full Member, Canadian Society for Chemical Engineering (38635)

23. THESIS EXAMINER

Ph.D (50)

1. “Development of Organic-Inorganic Nanohybrid Polyurethane Composite Coating for Antimicrobial Activity” Punjab University Chandigarh 2024.
2. “Studies on Catalytic Transformation of biomass-derived Furfur Alcohol to Alkyl levulinates using solid acid catalysts” Sardar Vallabh National Institute of Technology, Surat 2024.
3. “Biotechnology preparation of lignocellulose based Nanomaterial and its application in heavy metal removal from wastewater” Lovely Professional University, Phagwara 2024.
4. “Stability Constants of Substituted Monothio- β -Diketone Chelates of Some Bivalent Metal Ions and related Thermodynamic Parameters” Sido-Kanhu Murmu University, Dumka 2023.
5. “Preparation and Characterisation of Graphene and Graphene Oxide Nanocomposites using Acrylonitrile Butadiene Styrene (ABS) as a Polymer Matrix” Panjab University, Chandigarh 2023.
6. “Synthesis and Characterization of Adsorbents for Adsorption of Dyes” Jawaharlal Nehru Technological University Anantapur 2022.
7. “Green Synthesis of Heterocyclic Compounds by Ring Transformation” Sido-Kanhu Murmu University, Dumka 2022.
8. “Studies on Process Development for the Production of Xylitol from Biomass” Osmania University, Hyderabad 2022.
9. “Studies on Ionic Mass Transfer and Momentum Transfer with Coaxially Placed Heptagonal Plate as Turbulence Promoter in a Circular Conduit” Andhra University, Visakhapatnam 2022.

10. "Comparative Study on Electroplating Industrial Operations and its Impact on water quality in Chandigarh" GNA University Phagwara 2020.
11. "Studies on Optimization of Preparation, Characterization and Evaluation of Polyvinyl Acetate Membrane for Removal of Carbon Dioxide from Syngas" Sant Gadge Baba Amravati University, Amravati (Maharashtra) 2020.
12. "Study on Performance Enhancement of Proton Exchange Membrane Fuel Cell. Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur 2019
13. "Synthesis and Characterization of Aromatic Polymer Blend Membranes for Fuel Cell Applications" Osmania University, Hyderabad 2019.
14. "Studies on the Thermal Energy Storage (TES) based Photobioreactor for Algal Biomass Production and its use for Different Biofuel Production" Babasaheb Bhimrao Ambedkar University, Lucknow U.P., 2019.
15. "Studies on Ionic Mass and Momentum Transfer with Coaxially placed Hexagonal Plate assembly as Turbulence Promoter in Circular Conduit", Andhra University, Visakhapatnam, A.P., 2018.
16. "Chemical Modification of Natural Polysaccharides for Modulated Drug Delivery" SLIET Longowal 2018.
17. "Studies on the Quality of Bellandur water using TSI Techniques of USEPA and ITS Effect on Surrounding Soil", JawaharLal Nehru Technological University, Anantapur (A.P) 2018.
18. "Studies on Ionic Mass and Momentum Transfer with Coaxially Placed Perforated Disc Assembly as Turbulence Promoter in Circular Conduit", Andhra University, Visakhapatnam, A.P., 2017.
19. "Experimental Thermal Performance Study on Heat Storage Unit using Beeswax and Graphite" Malviya National Institute of Technology, Jaipur 2017.
20. "Removal of Cr(VI) and Cd(II) from Aqueous solution using Low Locally available biosorbents & ANN Modelling" National Institute of Technology, Agartala 2017.
21. "Fermentative Production of XYLANASE" National Institute of Technology, Agartala 2016.
22. "Removal of Dyes from Synthetic Textile Wastewater using Tapered Fluidized Bed Reactor" Panjab University, Chandigarh 2016.
23. "Studies on Optimixzation of Membrane Separation Process for clarification and concentration of lemon juice" Sant Gadge Baba Amravati University, Amravati 2016.
24. "Biosorption of Heavy Metals from Aqueous Solutions using spirulina SPP.: Kinetic, Equilibrium and optimization studies" Jawaharlal Nehru Technological University, Ananthapuramu (A.P)2016.
25. "Design and Analysis of MPPT for the Arrays using Fuzzy Controller in Close Cooperation with Fuzzy Cognitive Networks" Jawaharlal Nehru Technological University, Hyderabad 2015
26. "Multi objective Optimization of a Multi nodal Gas Pipeline" University of Petroleum and Energy Studies, Dehradun, 2015.
27. "Studies on Extractive Fermentation of Lactic Acid" Sant Longowal Institute of Engineering & Technology, Longowal 2015.
28. "Multi objective Optimization of Non Linear Chemical Processes" Osmania University, Hyderabad (AP) 2015.

29. "Studies on Performance Evaluation of Anaerobic Membrane Bioreactor for Wastewater Treatment". University Department of Chemical Technology, Sant Gadge Baba Amravati University, Amravati (Maharashtra) 2015.
30. "Effectiveness of Institute-Industry Collaboration in Higher Engineering Educational Institutions of Tamil Nadu" University of Madras 2014.
31. "Enhancement in the Production of Pharmaceutical Grade Pullulan Through Process Modification using Black Yeast" Deenbandhu Chhotu Ram University of Science and Technology, Murthal 2014.
32. "Some Studies on the Hydrodynamics Characteristics in Tapered Bubble Column Using Non-Newtonian Liquids" University of Calcutta 2013.
33. "DNA finger printing genetic diversity assessment of *hildegardia populifolia* (Roxb) Schott & Endl. By using DNA Markers" Jawaharlal Nehru Technological University Anantapur, Anantapuramu 2013.
34. "Application of neural networks for the prediction of hydrodynamic parameters in liquid and gas-liquid flow through pipelines" West Bengal University of Technology, Salt Lake, Kolkata 2013
35. "Treatability study on removal of dyes by low cost adsorbents" National Institute of Technology, Durgapur 2013.
36. "Studies on surface functionalization of iron (Fe) particles in the surface – Chemical environment of organic sulfides" Choudhary Charan Singh University Meerut, U.P 2013.
37. "Validating Sub-Sea Pipeline Leaks Discharge Model for Arabian Sea Conditions" University of Petroleum and Energy Studies, Dehradun 2012.
38. "Modeling and Experimental Studies on Reactive Separation Operations" Osmania University, Hyderabad – 2012.
39. "Statistical and Experimental Studies on Biosorption of Cobalt and Manganese" Andhra University, Visakhapatnam 2011
40. "Modeling and Analysis of Polymer Electrolyte Membrane Fuel Cell Using Artificial Neural Networks" Jawaharlal Nehru Technological University, Hyderabad 2011.
41. "Modeling and Analysis of Polymer Electrolyte Membrane Fuel Cell using Artificial Neural Networks" Jawaharlal Nehru Technological University, Hyderabad – 2011.
42. "Risk Assessment and Crisis Management in Auto LPG Dispensing Stations" Banasthali Vidyapith, Banasthali (Rajasthan) – 2011
43. "Mass Transfer Enhancement due to the Presence of Rotating Twisted Tape Promoter in an Electrolytic Cell" Andhra University, Visakhapatnam-2011.
44. "Synthesis of DHA Rich Triglycerides by Enzymatic Processing of Fish Oil" Banasthali Vidyapith, Banasthali (Rajasthan) – 2011.
45. "Synthesis and Characterization of Chitosan-Starch based Hydrogel for Controlled Drug Release" (Member Synopsis Evaluation Committee) Sant Longowal Institute of Engineering and Technology, Longowal District Sangrur – 2009.
46. "Studies on Humoral and Cell Mediated Immune Response in Cattle Vaccinated against Brucellosis" Osmania University, Hyderabad – 2009.

47. "Studies on Municipal Solid Waste Leachate Management" National Institute of Technology Karnataka, Surathkal-2007
48. "Development of Heavy Metal Sorption Technology for Sequestration of Cr. And Ni Ions, from Effluent of Small Scale Electroplating Units" Panjab University, Chandigarh 2006.
49. "Enzyme Mechanism Based Reaction of 1,1'- Diacetyl-1,1',4,4'-Tetrahydro- 4,4'-Bipyridine (DTB) with Certain Aryl Nitroso Compounds" B. R. Ambedkar Bihar University, Muzaffarpur-2001.
50. "Studies on Fermentation of Paper Mill Wastes" Ujjain University, Ujjain 1998.

M.E (52)

1. "Adsorption Studies on Rice Husk" Sant Longowal Institute of Engineering and Technology, Longowal Sangrur 2023.
2. "Biomass Based Synthesis of Hierarchical Porous Carbon Materials for Fuel Cell Applications" Panjab University, Chandigarh 2020.
3. "Study on Removal of Pharmaceuticals from Aqueous Solutions" Panjab University Chandigarh 2020.
4. "Mechanistic Study of Adsorption of Zn(II) and Ni(II) onto the Algae Bentonite Composite" National Institute of Technology, Srinagar 2018.
5. "Photocatalytic Degradation of Indigo Carmine Dye using TiO₂" National Institute of Technology, Srinagar 2018.
6. "Adsorption of Malachite Green Dye on Activated carbon prepared from Eucalyptus" I K Gujral Punjab Technical University, Jalandhar 2017.
7. "Kinetics and Designing of Biogas Digester for Agriculture Residual (Paddy Straw)" PTU Jalandhar 2016.
8. "Supercritical Fluid Extraction and Characterization of Zingiber Officinatum" PTU, Jalandhar 2016.
9. "Effect of Carbon Chain length of Alcohol on Esterification of Acetic Acid using Sulfated Carbon Acid Catalyst: Parametric and Kinetic Study" Shaheed Bhagat Singh State Technical Campus, Ferozepur under Punjab Technical University, Jalandhar 2016.
10. "An experimental study to analyze wastewater treatment with fluidized aerobic bio-reactor technology (FAB)" Beant College of Engineering and Technology, Gurdaspur 2016.
11. "Study of Thermo Mechanical Properties of Polymer Composite Blend with Talc and Magnesium Carbonate Compositions" Beant College of Engineering and Technology, Gurdaspur 2016.
12. "Analysis of Graetz Problem in Heat Exchanger" Shaheed Bhagat Singh College of Engineering and Technology, Ferozepur 2014.
13. "Experimental & Simulation Study of Absorption of CO₂ Using Packed Bed Column" Shaheed Bhagat Singh College of Engineering and Technology, Ferozepur 2013.
14. "Studies on Saccharification of Sorghum" NIT, Jaipur, 2011.
15. "Treatment of Pulp and Paper Mill Waste Water by Chitosan in Polymer Induced Flocculation" Shaheed Bhagat Singh College of Engineering and Technology, Ferozepur 2010.

16. "Preparation and Characterization of nanofluids and some investigation in biological applications" Thapar University, Patiala 2010.
17. "Ambient Air Quality Modelling with respect to Co Emissions for a Traffic Intersection in Chandigarh City" PEC University of Technology Chandigarh 2010.
18. "Studies on In-Vitro Release of Metformin Hydrochloride from beads made from Chitosan-Starch blends" Sant Longowal Institute of Engineering and Technology, Longowal, Punjab 2009.
19. "Design of Sewage/Effluent Treatment Plant for the Safe Disposal of Effluent" Punjab Technical University, Jalandhar 2009.
20. "Phase Equilibrium Prediction for Two-component Non-Associating Mixture Using Equations of State" Punjab Technical University, Jalandhar 2008.
21. "Nano-Combustion Synthesis & Characterization of Nickel Oxide – Gadolinia Doped – CERA (GDC) – A Precursor to SOFC Anode" Punjab Technical University, Jalandhar 2008.
22. "Design and Fabrication of Briquetting Machine" Punjab Technical University, Jalandhar 2008.
23. "Effect of Filler (TALC) on properties of Polypropylene" Punjab Technical University, Jalandhar, 2008.
24. Optimization of Ring-opening polymerization of polylactide from lactide by using zinc octoate as a catalyst Punjab University, Chandigarh 2015.
25. Removal of Amaranth Dye and Chromium metal ion from wastewater using seeds of *M. Oleifera* Punjab University, Chandigarh 2015.
26. Comparison of Codoping TiO_2 with metal sand metals for the degradation of phenol Punjab University, Chandigarh 2015.
27. Equilibrium, Kinetics and Thermodynamics of Eosin blue dye adsorption on activated carbons Punjab University, Chandigarh 2015.
28. Stability and characterization of silicon dioxide aqueous ethylene glycol nanofluids Punjab University, Chandigarh 2015.
29. Protein hydrogels based nutrient delivery system design Punjab University, Chandigarh 2015.
30. Excess thermodynamics properties of binary liquid mixtures of N-Nonane with o-Xylene and p-xylene at 293.15 and 303.15 K Punjab University, Chandigarh 2015.
31. Esterification of pentanoic acid with N-Butanol using reactive distillation Punjab University, Chandigarh 2015.
32. Physico-Mechanical properties of pigeon pea Punjab University, Chandigarh 2015.
33. Flow of viscoelastic fluids through helical coils Punjab University, Chandigarh 2015.
34. Effect of Microencapsulated B-Carotene on physico-chemical, Rheological and structural properties of food matrices and its release study Punjab University, Chandigarh 2015.
35. Adsorptive removal of trypan blue dye from aqueous solution on activated carbon Punjab University, Chandigarh 2015.
36. Sol-gel assisted synthesis of europium doped hydroxyapatite Punjab University, Chandigarh 2015.
37. Catalytic treatment of CO pollutant in vehicle exhaust Punjab University, Chandigarh 2015.
38. Separation of Acetic acid from aqueous solution Punjab University, Chandigarh 2015.
39. Catalytic oxidation of CO using base metal catalyst Punjab University, Chandigarh 2015.

40. Synthesis of ZnO nanoparticles and its application in adsorption Punjab University, Chandigarh 2015.
41. Evaluation of metal oxides/sulfide nanostructures for the degradation of harmful organic compound Punjab University, Chandigarh 2015.
42. Thermophysical properties of binary mixtures of Dimethylsulfoxide with 1-phenylethanone and 1,4 dimethylbenzene Punjab University, Chandigarh 2015.
43. Studies on water sorption behavior of pigeon pea Punjab University, Chandigarh 2015.
44. Surface modifications of cellulose nanofibers by using Fatty acids Punjab University, Chandigarh 2015.
45. "Directional Drilling (Directional Drilling and Deviation Control in the Petroliferous Krishna-Godavari Basin) University of Pune 2006.
46. "To Study the Salt Effect on Systems Acetic Acid- Water with sodium acetate Calcium acetate and Zinc Acetate Salts" Punjab University, Chandigarh 2004.
47. Effect of Chemicals on Poly Propylene Film and Sheet Properties – Punjab University, Chandigarh 2003.
48. "To Study the Salt effect of Systems Representing Azeotropes or Low Relative Volatility Iso .Ppropanol Water System with Zinc Nitrate, Zinc Oxide & Zinc Acetate Salts" – Panjab University, Chandigarh 2003.
49. Modelling and Control of Nonlinear Processes – Institute of Technology, Banaras Hindu University, Varanasi- 2002
50. Studies on Flocculants and their Evaluation for use in Ore Dressing - Panjab University, Chandigarh – 2002.
51. Management of Congress Grass (Parthenium Hhysterophorus through Vermiculture Biotechnology – A Study – Thapar Institute of Engineering and Technology (Deemed University), Patiala – 2000
52. Study of Pressure Distribution around a Bluff (Pentagonal) Body – Panjab University, Chandigarh - 1993.

24. SPECIALISATION

- | | |
|---|-----------------------------|
| ● Hydrocarbon Engineering | ● Waste water Treatment |
| ● Biochemical Engineering | ● New and Renewable Energy |
| ● Biomass Conversion to Value added Chemicals | ● Biofuels and Bio Products |

25. RESEARCH INTEREST

- | | |
|---|---|
| ● Hydraulic Fracturing | ● Kinetics of Bacterial Adherence on Textile Fabrics |
| ● Re-Refining of used Lubricating Oil | ● Biological Treatment of Tannery Wastewater for Sulphide Removal |
| ● Oil Spill | |
| ● Antiwear Additives | |
| ● Development of Catalyst for Petroleum and Biofuel | |

26. TEACHING COURSES OFFERED

- a) PhD courses
 - ID-602 Research Methodology
 - CH-565 New and Renewable Energy Sources
 - CH-569 Analytical Principles and Instrumental Methods of Analysis
 - CH-507 Petroleum Engineering and Technology
 - CH-551 Petrochemical Technology

- b) Post Graduate level at NIT Jalandhar
 - Petroleum Engineering and Technology
 - Petrochemical Technology

- a. Post Graduate level at Indian School of Mines, Dhanbad.
 - Offshore Drilling & Production Practices

- b. Post Graduate level at Asian Institute of Technology, Bangkok
 - Hydrocarbon Engineering

- c) Undergraduate level at REC/NIT Jalandhar
 - Basic Chemical Engineering
 - CH- Unit Operation
 - CH-201 Fluid Flow
 - CH- 202 Heat Transfer
 - CH-402 Chemical Process Economics
 - CH-305 Petroleum Refinery Engg.
 - CH-326 Petrochemical Technology
 - CH-322 Petroleum Recovery Technology
 - CH-208 Energy Technology

27. LABORATORIES DEVELOPED

- Rendered significant contribution in establishing following laboratories for Undergraduate teaching.
- Fluid Mechanics
- Heat Transfer
- Mass Transfer
- Chemical Reaction Engineering
- Particle Mechanics
- Industrial Pollution Abatement
- Departmental Computer Centre
- Energy Cell

28. DEVELOPMENT OF NEW COURSES

The following courses in the new emerging field were developed with my active involvement

Petroleum Recovery Technology
Petroleum Refinery Engineering

Petrochemical Technology
Hydrocarbon Engineering

29. DEVELOPMENT OF COURSE CURRICULUM

Being one of the founder faculty members of the Department, I got an opportunity to frame Course Curriculum of B.Tech Chemical & Bio Engineering which has been approved by Guru Nanak Dev University, Amritsar.

I was also instrumental in framing Course Curriculum of B.Tech. Chemical Engineering which has been approved by, Punjab Technical University, Jalandhar and B.Tech Chemical and Bio Engineering, B.Tech. Chemical Engineering which has been approved by Senate National Institute of Technology, Jalandhar.

30. SHORT EDUCATIONAL TOURS

Accompanied students on following Short Educational Tours to supplement the class room instruction by visiting Institutions/organization connected with various disciplines of Chemical Engineering:

- India International Trade Fair, New Delhi.
- M/s. National fertilizer Limited, Naya Nangal
- M/s. Jagatjit Cotton and Textile Mills, Hoshiarpur.
- M/s. Hindustan Lever Limited, Rajpura
- M/s. Amrit Banaspati Company Limited, Rajpura.
- Indian Institute of Petroleum, Dehradun
- Institute of Drilling Technology, ONGC, Dehradun
- Keshav Dev Malviya Institute of Petroleum Exploration, ONGC, Dehradun.
- Indian Oil Corporation Ltd. Panipat Refinery, Panipat.

30. CO-CURRICULAR ACTIVITIES

- i. First Position in Annual College Debate Competition in 1977.
- ii. Second Position in Inter College Debate Competition at Magadh University, Bodh Gaya in 1977.
- iii. Passed 'B' Certificate Examination in NCC.
- iv. Attended Annual Training Camp of NCC and NSS.

31. ACHIEVEMENTS OF ISTE STUDENT CHAPTER DURING MY TENURE AS FACULTY ADVISOR

- Awarded Best Student Chapter Award 1999 of ISTE Section (Punjab, Chandigarh, H.P., J&K) at Kongu Engineering College, Perundurai, Tamilnadu on December 10,1999.
- Awarded Best Student Chapter Award 1998 of ISTE Section (Punjab, Chandigarh, H.P. J&K) PAU, Ludhiana on November 21, 1998
- Awarded "Best College Award" during Second Annual Students Convention of ISTE Section (Punjab, Chandigarh, H.P. & J&K) on September 19,1998.
- Awarded "Best Team Prize" during All India Technical Symposium TRENZ-98 held at GZS College of Engineering & Technology, Bathinda.

32. Networking with Other Institution for R & D Work (14)

- Indian Institute of Petroleum (CSIR Lab) Dehradun
- Indian Institute of Integrative Medicine (CSIR Lab) Jammu
- Central Leather Research Institute (CSIR Lab) Extension Centre Jalandhar
- Indian Oil Corporation (R&D Centre), Faridabad
- Bharat Petroleum Corporate R & D Centre, Greater Noida
- Sardar Swaran Singh National Institute of Renewable Energy (An autonomous

Institute of Ministry of New and Renewable Energy), Kapurthala

- Indian Institute of Technology, Delhi
- Indian Institute of Technology, Chennai
- Indian School of Mines, Dhanbad
- National Institute of Technology, Durgapur
- Central Institute of Plastic Engineering and Technology, Amritsar
- Guru Nanak Engineering College, Ludhiana.
- Saheed Bhagat Singh College of Engineering and Technology, Ferozepur
- Punjab Technical University, Kapurthala

33. Summary of the Research Contribution

- PhD Supervised 24
- PhD Guiding 10
- PhD Advised 07
- MTech Supervised 22
- MTech Guiding 02
- BTech Supervised 103
- Paper Published International/ National Journals 72
- Paper published/proceedings in conferences 66

34. LIST OF PAPER PUBLISHED IN JOURNAL (38)

- Artificial Cells, Blood Substitutes and Biotechnology: An International Journal
- Bioresource Technology
- Chemical Business
- Chemical Weekly
- Energy Policy
- Indian Journal of Chemical Technology
- Indian Journal of Environmental Protection
- Indian Journal of Technical Education
- International Biodeterioration and Biodegradation
- International Journal of Chemical and Biological Engineering
- International Journal of Chemical and Environmental Engineering
- International Journal of Chemical Sciences
- International Journal of Current Engineering and Technology
- International Journal of Innovative Research in Science, Engineering and Technology
- International Journal of Engineering Research
- International Journal of Engineering Research and Applications
- International Journal of Research in Engineering and Technology
- International Journal of Science, Environment and Technology
- Journal of Chemical Engineering and Innovation
- Journal of Engineering and Applied Sciences
- Journal of Engineering Science and Technology
- Journal of Environmental Research and Development
- Journal of Environmental Sciences

- Journal of Indian Chemical Engineer
- Journal of Industrial Pollution Control
- Journal of Recent Advances in Science
- Journal of Scientific and Industrial Research
- Journal of the Institution of Engineers (India) Chemical Engineering Division
- Journal of Thermal Analysis and Calorimetry
- Korean Journal of Chemical Engineering
- Lubrication Science
- Micoporous and Mesoporous Materials
- Mineral and Mining World
- Paint India
- RSC Advances
- The Journal of Engineering Education
- Ultra Scientist of Physical Sciences
- Renewable and Sustainable Energy Reviews

35. *MISCELLANEOUS*

1. Nurturing Future leadership program under the aefis of malviya mission teacher training programme (MMTTP) ministry of education Govt of India at Indian Institute of Management Calcutta.
2. Nominated as Member National Technical Advisory Committee during 3rd International Conference on “Recent Advances in Fundamental and Applied Sciences RAFAS 2021 organised by School of Chemical Engineering and Physical Sciences Lovely Professional University, Phagwara from June 25-26, 2021.
3. Nominated as Chairman Selection Committee for recruitment of Finance and Account Officer and Assistant Manager at Indian Institute of Chemical Engineers HQ on May 22, 2021.
4. Nominated as Member National Advisory Committee during Virtual International Conference on “Recent Innovations in Cleaner Technologies” (RICT-2021) organized by Department of Chemical Engineering Malaviya National Institute of Technology, Jaipur from January 18-19, 2021.
5. Chaired the Technical Session during International Conference on Chemical, Bio & Environmental Engineering (CHEMBIOEN-2020) organized by Department of Chemical Engineering NIT Jalandhar under TEQIP-III from February 13-14, 2020.
6. Dr. Mithilesh Kumar Jha Professor Department of Chemical Engineering has been nominated as an External Expert for the smooth conduct of readiness and academic audit of Department of Petroleum Engineering, Chandigarh University, Chandigarh on 21/12/2019.
7. Dr. Mithilesh Kumar Jha Professor Department of Chemical Engineering has chaired the Technical Session S14: Value-added Chemicals of Oral Presentation during 72nd Annual Session of Indian Institute of Chemical Engineers (CHEMCON- 2019) held at Indian Institute of Technology, Delhi on December 19, 2019
8. Dr. Mithilesh Kumar Jha Professor Department of Chemical Engineering has been nominated as External Expert in Research Degree Committee of SBS State Technical Campus, Ferozpur to evaluate the progress report of research proposal of PhD pursuing students in the discipline Chemical Engineering on December 06, 2019.

9. Dr. Mithilesh Kumar Jha Professor Department of Chemical Engineering has been nominated as an External Expert in the discipline Chemical Engineering for promotion to Professor HAG Scale by Deenbandhu Chhotu Ram University of Science & Technology, Murthal, Sonapat on November 22, 2019
10. Dr. Mithilesh Kumar Jha Professor Department of Chemical Engineering and Chairman Regional Centre Affairs Committee Indian Institute of Chemical Engineers Kolkatta has been nominated as Chairman Best Regional Centre Award 2019 Committee on October 26, 2019.
11. Nominated as Member of Selection committee under Career Advancement Scheme for the selection of Professor and Associate Professor of all the Govt. Engineering Colleges of Punjab as IKG PTU Jalandhar nominee at Technical Education & Industrial Training Govt. of Punjab from October 16-17, 2018.
12. Chaired the Technical Session – II Reaction Engineering, Thermodynamics, Process Control, Modeling and Simulation during National Conference on Recent Trends in Chemical Sciences & Engineering (RTCSE-2017) organized by Department of Chemical Engineering National Institute of Technology, Hamirpur on October 13, 2017.
13. Acted as panelist in Technical Session – V Poster presentation to evaluate the paper for prizes during National Conference on Recent Trends in Chemical Sciences & Engineering (RTCSE-2017) organized by Department of Chemical Engineering National Institute of Technology, Hamirpur on October 13, 2017.
14. 1st Prize in Session -3 on the topic entitled “Indian Higher Education: Present Scenario and Future” during ISTE Engineering Education Congress and National Seminar on “Sustainability of Engineering Education” co-authored with Ms Kashish Mehta on March 27, 2015
15. 2nd Prize in Session -1 on the topic entitled ““Status of Technical Education in India” during ISTE Engineering Education Congress and National Seminar on “Sustainability of Engineering Education” co-authored with Ms Ravneet Kaur on March 27, 2015
16. Chaired the session during First International Conference on “Recent Advances in Bio-Energy Research (ICRABR-2015) at Sardar Swaran Singh National Institute of Renewable Energy, Kapurthala Punjab on March 15, 2015.
17. Chaired the Technical Session on the theme “Green Chemistry and Engineering” during 66th Annual Session of Indian Institute of Chemical Engineers & Joint Indo North American Symposium and International Conference on “Innovation Approaches for Food Security and Health-Care for better tomorrow” CHEMCON-2013 organized by Indian Institute of Chemical Engineers Mumbai Regional Centre at Institute of Chemical Technology, Mumbai on December 28, 2013.
18. Attended Assessors Interaction Meetings (AIMs) organized by National Assessment and Accreditation Council, Bangalore on December 23-24, 2014.
19. Attended 43rd ISTE National Annual Convention and National Seminar on “Empowering Technical Education to Address Sustainability and Global Competitiveness” organized by Tatyasaheb Kore Institute of Engineering and Technology, Warananagar, Kolhapur, Maharashtra on December 19, 2013.
20. Attended North Zone Vice Chancellor’s Meet under the aegis of Association of Indian Universities, New Delhi at Babasaheb Bhimrao Ambedkar University (A Central University) Lucknow on December 12-13, 2013.
21. Chaired the Technical Session – VI on the theme “Algal Biomass” during 3rd National Conference on “Recent Advances in Bioenergy Research” at Sardar Swaran Singh National Institute of Renewal Energy Kapurthala from November 22-24, 2013.

22. Chaired the Technical Session – I on the theme “Water Purification and Water Technologies” during International conference on Water Desalination, Treatment and Management & Indian Desalination Association Annual Congress – 2013 (InDACon2013) organized by Department of Chemical & Civil Engineering, Malviya National Institute of Technology, Jaipur February 21-22, 2013.
23. Nominated as Member Technical Advisory Committee and Memento/ Prize Distribution Committee during 2nd National Conference on “Recent Advances in Bio-Energy Research” organized by Sardar Swaran Singh National Institute of Renewable Energy, Kapurthala from December 7-8, 2012.
24. Chaired the Technical Session on the theme Technology during 5th International Congress of Environmental Research at Universiti Malaysia Terengganu, Kuala Terengganu, Malaysia in collaboration with the Journal of Environmental Research and Development on November 23, 2012.
25. Nominated as Member of the Core Committee for the Establishment of four year BTech in Chemical Engineering programme at National Institute of Technology, Hamirpur on November 15, 2012.
26. Chaired the Technical Session on the theme Energy (TS-15) during 64th Annual Session of Indian Institute of Chemical Engineers (CHEMCON-2011) jointly organized by IChE Bangalore Regional Centre and Department of Chemical Engineering, M S Ramaiah Institute of Technology, Bangalore December 28, 2011
27. Chaired the Technical Session on the theme Environmental Engineering during 63rd Annual Session of Indian Institute of Chemical Engineers (CHEMCON-2010) jointly organized by IChE Annamalai-Neyveli Regional Centre and Department of Chemical Engineering, Annamalai University, Annamalai Nagar December 29, 2010.
28. Chaired the Technical Session on the theme Nanotechnology during Sixth Annual Session of the Students Chemical Engineering Congress and National Conference on “Process Industries & Sustainable Development” organized by Department of Chemical Engineering RVR & JC College of Engineering Guntur (Andhra Pradesh) September 24-25, 2010.
29. Honored as member National Advisory Committee of the National Seminar on “Chemical Industry in India: Opportunities and Challenges” (CIIOC-2010) organized by Department of Chemical Technology Sant Longowal Institute of Engineering & Technology, Longowal Sangrur from March 5-6, 2010.
30. Chaired the Technical Session – 4 on the theme “Novel Separation Techniques” during 62nd Annual Session of Indian Institute of Chemical Engineers (Chemcon 2009) at the Department of Chemical Engineering Andhra University Visakhapatnam on December 30, 2009.
31. Awarded Ambuja’s Best Student Chapter Award 2009 to Indian Institute of Chemical Engineers NIT Jalandhar Student Chapter under Doaba Regional Centre by IChE Kolkatta at Andhra University Visakhapatnam on December 27, 2009
32. Appointed as Additional Micro Observer in 38-Adampur (SC) Assembly Segment for counting of Votes during Lok Sabha Election 2009 on May 16, 2009.
33. Co-chaired the technical Paper Presentation on session IA in Chemical Technology during 61st annual session of Indian Institute of Chemical Engineers CHEMCON 2008 at Panjab University Chandigarh on December 28, 2008.
34. Chaired the technical paper presentation session VIII E in Chemical Technology during 61st annual session of Indian Institute of Chemical Engineers CHEMCON 2008 at Panjab University Chandigarh on December 30, 2008.

35. Chaired the Technical Session R5A on the theme Biotechnology during Indian Chemical Engineering Congress CHEMCON 2007 and 60th Annual session of Indian Institute of Chemical Engineers at Heritage Institute of Technology, Kolkata on December 29, 2007.
36. Acted as Deputy Presiding Officer in Indian Institute of Technology Joint Entrance Examination 2007.
37. Chaired the technical paper presentation session 13-1 Chemical/ Applied Chemistry on February 8, 2007 during 10th Punjab Science Congress organized by DAV Institute of Engineering and Technology at Jalandhar in Collaboration with Punjab Technical University, Jalandhar from February 7-9, 2007.
38. Acted as Judge to evaluate Exhibits/Models for Regional Level Science Exhibition – 2006 organized by CBSE New Delhi for CBSE Schools all over Punjab, Himachal Pradesh, Chandigarh and Jammu & Kashmir at Apeejay School, Jalandhar on September 8, 2006.
39. Chaired the technical Paper Presentation Session III on the Theme “Review of Standardization Work – Chemical Engineering” on September 21st 2000 during workshop on “Standardization”, jointly organized by Bureau of Indian Standards, New Delhi and Dr. B R Ambedkar Regional Engineering College, Jalandhar at REC, Jalandhar during September 20-21, 2000.
40. Brought out “Information Brochure” of the Department containing Information on Physical facilities, Undergraduate Academic Programme, Placement of Graduates etc.
41. Chaired the technical Paper Presentation Session on the theme TQ-Total Quality in Engineering Education during 29th Annual Convention of ISTE and National Seminar on “Management of Technical Institutions” in 21st Century” held at Kongu Engineering College, Perundurai, Erode Tamilnadu from Dec.10-12, 1999.
42. Acted as Judge in Paper Reading Contest, Debate Competition and Creative Dance during Third Annual Section Convention of Indian Society for Technical Education Students (Punjab, H.P., J&K, and Chandigarh) at GZS College of Engineering & Technology, Bhatinda on November.5,1999.
43. Chaired the technical paper presentation session on the theme “Rapid Mass Transportation System, Alternate Sources of Energy Vehicles, Urbanization and its Impact and Students Absenteeism for Regular Classes” during second National Convention of I.S.T.E. Students chapters at College of Engineering Kopergaon on October 30, 1999.
44. Nominated as Rapporteur in Technical Session II (a) & III (a) on Nov. 22, 1998 and Technical Session IV (a) Sub themes “Environment Pollution and Control” during 28th Annual Convention of ISTE and National Seminar on Environment and Development at PAU, Ludhiana on Nov.21-23,1998.
45. Invited by Guru Nanak Dev University, Amritsar to Adjudge Literary Events item (Inoculation, Debating Competition etc.) during North Zone Inter University Youth Festival organized by Guru Nanak Dev University, Amritsar and sponsored by Association of Indian Universities & Deptt. Of Youth Affairs & Sports, Govt. of India (Jan 20-24,1998) on January 2, 1998.
46. Nominated as Rapporteur in Technical Session II (a) & III (a) on Nov 22, 1998 and Technical Session IV (a) on Nov 23, 1998 on Sub themes “Environment Pollution and Control” during 28th Annual Convention of ISTE and National Seminar on “Environment and Development” at PAU Ludhiana during Nov 21-23, 1998.

47. Acted as Judge in paper Presentation contest during “Seminar on Conservation and Plantation of Trees for Environmental Protection” at C.R. State College of Engg. Murthal, Sonapat on January 23, 1998.
48. Validator for validation of 135 Nc Rural Habitations in Amritsar District under Rajiv Gandhi Drinking Water Mission of Ministry of Rural Development, Govt. of India, New Delhi during May – June, 1994.

36. A. Book Chapters

- Kaur J, Aslam M, Jha M K & Sarma A K. “Green Diesel: Integrated Production Porcesses, Future Perspectives and Techno-Economic Feasibility in Green Diesel: an Alternative to Biodiesel and Petrodiesel” ISBN 978-981-18-2234-3 (pp 205-217) Springer, Singapore 2022.
- J. Kaur, P. Gera, M.K. Jha, A.K. Sarma. A Study on Conversion of Glycerol into Solketal Using Rice Husk-Derived Catalyst. **Advances in Energy Research**, Vol. 2, pp 599-606, Springer Nature, Singapore 2020.
- Ravneet Kaur, Poonam Gera, Mithilesh Kumar Jha, Thallada Bhaskar, “Thermochemical Route for Biohydrogen Production”. In *Biohydrogen*. Elsevier. pp. 187-218, 2019.
- Vijay Sodhi, Ajay Bansal, Mithilesh Kumar Jha, “Minimization of Biosolids from Tannery Effluent Using Modified Conventional Activated Sludge Process” Recent Trends in Civil Engineering, Vol 30, Ch. 07, Environmental Geotechnology, Springer Nature. 2019.
- Kashish Mehta, Mithilesh Kumar Jha, Neetu Divya “Application of RSM for optimizing the biodiesel production catalyzed by calcium methoxide” Lecture Notes in Civil Engineering, Vol 30, Sustainable Engineering (Springer), 2018.
- Sood N, Garg R K, Jha M.K., Arora A., Treatment of Leachate by Using Natural Adsorbents, Recent Advances in Bioenergy Research Volume II, © Sardar Swaran Singh National Institute of Renewable Energy, Kapurthala, Electronic version published by SSS-NIRE edited by Sachin Kumar, S. K. Tyagi, pp 217-241, 2013.
- Singh S K, Jha M K, Bansal A & Dey A “Algal Bio-Hydrogen-Prospects and Challenges” in Kumar and Sharma, Ed. “Recent Advances in Bioenergy Research” ISBN 978-81-927097-0-3, Publisher- Sardar Swaran Singh National Institute of Renewable Energy; Kapurthala, India: Vol. 1 pp.194-204, 2012.
- M K Jha and T. Kumar “Selection of Artificial Island for Shallow Oilfields” ISBN 81-7236-095-9 in Ocean Technology Perspective published by CSIR New Delhi pp 200-214, September 1994.

B. H- index: (as per Google Scholar) – 23

C. I10 index: (as per Google scholar) – 50

D.

No. of citation as per Google scholar	Single Author	Double Authors	More than 2 authors
1723	13	88	1622

37. Important MoUs formulated for academic collaborations

S N	MoUs formulated with Other Institute	Name of Agencies/ Departments involved	Year of MoU
1.	Incubation Centre IIT Patna	MIT Muzaffarpur	2025
2.	Mahatma Gandhi Central University, Motihari	MIT Muzaffarpur	2024
3.	Indian Institute of Technology, Patna	MIT Muzaffarpur	2024
4.	Bihar University, Muzaffarpur	MIT Muzaffarpur	2024
5.	University of Saskatchewan Saskatoon Canada	NIT Jalandher	2023
6.	Footwear Design of Development Institute, Patna (FDII)	MIT Muzaffarpur	2023
7.	Bureau of Indian Standard, New Delhi	MIT Muzaffarpur	2023
8.	University of Saskatchewan, Saskatoon, Canada	NIT Jalandhar	2023
9.	Heartfullness Education Trust, (HET) Vijaywada	NIT Jalandhar	2022
10.	CSIR, Indian Institute of Petroleum, Dehradun	NIT Jalandhar	2010, 2020
11.	SSS National Institute of Bio-Energy, Kapurthala	NIT Jalandhar	2010 2020
12.	National Institute of Technology, Puducherry	NIT Jalandhar	2013
13.	University of South Alabama, Mobil, USA	NIT Jalandhar	2014
14.	Atal Bihari Vajpayee Govt Institute of Engineering and Technology, Shimla (ABVGIET)	NIT Jalandhar	2018
15.	Jyoti Vidyapeeth Women University, Jaipur	Atal Bihari Vajpayee Govt Institute of Engineering and Technology, Shimla (ABVGIET)	2019
16.	National Institute of Technology, Hamirpur	ABVGIET, Shimla	2019
17.	Indian Institute of Technology, Mumbai	ABVGIET Shimla	2019
18.	Sant Longowal Institute of Engineering Technology, Longowal	ABVGIET Shimla	2019
19.	Hilt Web Solutions Pvt. Ltd., Sco:31 Top Floor, Phase 1, Near, Franco Hotel Road, Sector 55, Phase 1, Sector 55, Sahibzada Ajit Singh Nagar, Chandigarh 160055	ABVGIET, Shimla	2019
20.	Netmax Technologies Pvt Ltd SCO 198-200 ,3rd floor Sector 34a, Chandigarh	ABVGIET, Shimla	2019
21.	SachTech Solution Pvt Ltd Mohali,#C-86, Phase 7, Industrial Area, Sector 74, SAS Nagar, Punjab 160055	ABVGIET, Shimla	2019
22.	APTRON Noida, B-10, Sector 2, Near MetroStation UP-201301.	ABVGIET, Shimla	2019
23.	Impinge Solutions Pvt. Ltd. iLand F-265 Industrial Area Phase VIII-B, Mohali 160059	ABVGIET, Shimla	2019
24.	INFOWIZ, SCO 118-120, (Near State Bank Of India), Sub City Center, Sector 34-A, Chandigarh, Pin Code 160022.	ABVGIET, Shimla	2019

25.	QspidersNCampus No A- 29, Sector 3, Noida, Gautham Budh Nagar, Uttar Pradesh-201301 (Land Mark: Besides HCL / behind Wipro)	ABVGIET, Shimla	2019
26.	Solitaire infosys.inc, C-110, Industrial Area, Phase 7, Sahibzada Ajit Singh Nagar, Punjab 160055	ABVGIET, Shimla	2019
27.	Zero2unicorn Labs Pvt. Ltd. Second floor STPI Plot No. C-184 Industrial Area Phase VIII-A, Industrial Area, Sector 75, Sahibzada Ajit Singh Nagar, Punjab 160071	ABVGIET, Shimla	2019
28.	Sebiz Finishing School, Plot No: C-6, IT Park, Sector 67, Mohali.	ABVGIET, Shimla	2019
29.	K V Computer Home Pvt Ltd C-109, Sector-2, Noida 2013012	ABVGIET, Shimla	2019

38. *Referee*

1. Prof. T. Kumar
 (Former Director ISM Dhanbad, NIT Durgapur)
 Professor, Department of Petroleum Engineering
 Indian School of Mines, Dhanbad – 826 004. (Jharkhand)
 Email: tkumar2002@yahoo.com
 Tel(O)91-326-2235232(Off), 8051088444 (M)

2. Professor Binod Kumar Kanujia
 Director
 Dr B R Ambedkar National Institute of Technology (Dr M K Jha)
 Jalandhar-144027
 Email : Kanoujia@nitj.ac.in
 Tel: (O)01815037401, 9868795834 (M)

39. LIST OF SUPERVISION TO Ph.D/M.Tech. (BY RESEARCH)/ MTech/B.Tech.

List Of Guidance To *Ph. D Thesis*

A. Supervised (23)

S No	Regd. /Roll No.	Candidate	Title of the thesis	Name of another Supervisor	Result notification	Position held
1.	03.07.02	Mr. Ram Bilash Choudhary	Studies in Composite Tribochemical Films and Action Mechanism of Antiwear Additives	Dr. M R Tyagi IIP Dehradun	PTU/2006/15 dated 8/12/2006	Assistant Professor ISM Dhanbad
2.	03.09.02	Mr Gopal Krishan Sharma	Study on Re-Refining of Used Lubricating Oils	—	PTU/2009/49 dated 22/2/2010	Chief General Manager (QC) IOCL, Mumbai
3.	03.11.03	Mr Anil Kumar	Modelling and Simulation of Hydraulic Fracturing	Dr. V P Singh PTU Jalandhar	PTU/DA/PhD/296 3 dated 25/1/2011 date of issue of Notification 23/2/2010	Director Academics RIMT, Bareilly
4.	06401003	Ms. Varsha	Studies on the Biological Sulfide Removal from Aqueous Samples	Dr. Apurba Dey NIT, Durgapur	PF/Stud/NITJ/5867 dated 2/9/2011	
5.	06401004	Ms Vidushi Shukla	Studies on the Kinetics of Bacterial Adherence on Textile Fabrics	Dr. S Ghosh NIT, Jalandhar Dr. Apurba Dey, NIT Durgapur	PF/Stud/NITJ/2388 dated 24/10/2011	
6.	03.03.01	Mr. Tarun Kumar Roy	Numerical Predication of Oil Dispersion in the Coastal & Ocean Region	Dr. J S Mani IIT Madras	PTU/DA/Ph.D/226 /03/4517 dated 9/2/2012	Deputy General Manager (construction) IOCL, Kolkata
7.	06401031	Ms.Poonam Chadha	Development of Improved Process for Transesterification of vegetable oil	Dr. S K Puri IOC R&D Centre, Faridabad	NITJ/EW/5198 dt. 20/12/2012	Associate Professor NIT Jalandhar
8.	07401101	Shailendra Kumar Singh	Biosorption of Heavy metals using Chlorella Minutissima.	Dr. A Dey NIT, Durgapur Dr. Ajay Bansal NIT, Jalandhar	NITJ/ACAD/1531 dated 06/08/13	Associate Professor Department of Biological Sciences, BITS Pilani, Hyderabad Campus, Hyderabad

9.	06401002	Rajesh Sharma	Development of Mesoporous titania-silica catalysts for hydroprocessing of petroleum fractions and biomass	Dr. A K Sinha IIP, Dehradun Dr. G Murali Dhar IIP Dehradun	NITJ/ACAD/1580 dated 20/08/13	Assistant Professor Department of Chemical Engineering BCET, Gurdaspur
10.	08401131	Shailendra Bajpai	Chromium (VI) removal from Aqueous streams using low cost adsorbent, weakly anionic resins and Nano filtration process-A comparative study	Dr. S K Gupta IIT Delhi Dr. A Dey NIT Durgapur A.	NITJ/DA/2098 dt. 29.08.2014	Associate Professor Department of Chemical Engineering NIT Jalandhar
11.	03.20.07 dt. 4.01.07	Shailendra Jagdish Naik	Study on application of steam and horizontal well technology to improve heavy oil recovery	Dr. Pushpa Jha SLIET Longowal	PTU/RIC/PhD/226 /20/2731 dt. 02.09.2014	Associate Professor and Head Department of Petroleum Engineering MIT World Peace University, Pune
12.	11401102	Prashant Kumar	Process optimization of biodiesel production using hybrid heterogeneous catalyst	Dr. Ajay Bansal NIT Jalandhar Dr. A K Sharma Scientist 'D' SSS-NIRE Kapurthala	NITJ/DA/3076- 3084 dated 30/11/2015	Assistant Professor Department of Chemical Engineering Lovely Professional University, Phagwara.
13.	09401132	N K Srivastava	Biological Treatment of Chromium from Industrial Waste Water	Dr. T R Sreerishnan IIT Delhi	NITJ/DP/708-716 dated 15/03/2016	Associate Professor, Department of Chemical Engineering NIT Jalandhar
14.	01.26.09 04.11.09	Barjinder Bhalla	Study of Industrial By Products as Permeable Reactive Barriers for Landfill leachate Management	Dr. M S Saini GNDEC Ludhiana	IKGPTU/Ph.D/RIC /3326 dated 21/04/2016	Scientist Pushpa Gujral Science City, Kapurthala
15.	01.24.08 Dt.19.11.08	Ekonkar Singh Johal	Study of Effluents, its treatment and design of Anaerobic	Dr. M S Saini GNDEC Ludhiana	IKGPTU/Ph.D/RIC /3329 dated 21/04/2016	Dy. Registrar PTU, Jalandhar

			Digester for Jalandhar Municipal Waste			
16.	12401102	Neetu Singh	Biodiesel Production using Enzymatic Catalysts and its application in CI engines	Dr. A K Sharma Scientist D SSS-NIRE Kapurthala	NITJ/DA/1819-1827 dated 05/08/2016	Asstt. Manager (R&D) Mitsui Kinzoku Components India Pvt. Ltd., Bawal
17.	09401131	Manoj Kumar Jindal	Catalytic hydrothermal conversion of sawdust to bio-oil		NITJ/DA/2079-2087 dated 31/08/2016	Lecturer Department of Chemical Engineering Govt. Polytechnic College for Women,, Jalandhar
18.	13812001	Kanwar Pal Singh	Studies on Performance of Biomass Cookstoves Using Exergy Approach	Dr. Poonam Gera, NIT Jalandhar Dr. S K Tyagi Scientist-E SSS-NIRE, Kapurthala	NITJ/DA/1144-1148 dated 02/08/2019	Assistant Professor Department of Chemical Engineering
19.	14512003	Kashish Mehta	Studies on Binary Earth Metal Oxides Catalyst for Biodiesel Production and Utilization	Dr. Neetu Divya	NITJ/DA/958-962 dated 20/07/2020	Assistant Professor Department of Chemical Engineering Lovely Professional University, Phagwara
20.	14512004	Ravneet Kaur	Thermochemical conversion of castor (Ricinus Communis) to bio-oil and value-added products	Dr. Poonam Gera Dr. Thallada Bhaskar, Head MRED, CSIR-IIP, Dehradun	NITJ/DA/999-1003 dated 28/07/2020	Assistant Professor Department of Chemical Engineering SLIET, Longowal
21.	13512002	Vijay Sodhi	Studies on Hybrid System for Minimizing Excess Sludge from Biological Treatment of Tannery Wastewater	Dr. Ajay Bansal	NITJ/DA/1132-1136 dated 07.09.2020	Sr. Research Fellow GNDEC, Ludhiana
22.	15512004	Jaspreet Kaur	Study on conversion of Glycerol into value added products	Dr. Poonam Gera Dr. A K Sarma Scientist 'F' & Director, SSS-NIBE, Kapurthala	NITJ/DA/639-645 dated 20/10/2021	Guest Faculty Panjab University, Chandigarh

23.	14812001	Navneet Sood	Blending of EVA with other polymers	Dr. Shailendra Bajpai	NITJ/DA/199-205 dated 25.05.2022	Instructor/Service provider trainer Punjab Board of Technical Education and Industrial Training Department, Hoshiarpur
24.	21801204	Gajera Bhautik V	Studies on combustion of AGRO-RESIDUE and SiO₂ EXTRACTION	Dr. A K Sarma Scientist 'F' & Director, SSS-NIBE, Kapurthala	NITJ/Acad/4398 dated 04/11/25	Assistant Professor Sardarkrushinagar, Dantiwada Agriculture University, Sardarkrushinagar. Banaskantha, Gujrat.

B. Under guidance (11)

S.N	Regd. / Roll No.	Candidate	Title of the thesis	Name of another Supervisor	Status
1.	21801201	Akash Deep	Biomass-derived Electro-Catalyst for Energy Application: Synthesis and Characterization	Dr. A K Sarma Scientist 'F' & Director, SSS-NIBE, Kapurthala	In progress
2.	21801208	Nisha Yadav	Upgradation of Biogas to BioCNG	Dr. Sachin Kumar Scientist 'C' SSS-NIBE, Kapurthala	In progress
3.	21801209	Rakesh Godara	Design, Development and Experimental Investigation of Hybrid Biogas Digester	Dr. Nikhil Gakkhar Scientist 'C' SSS-NIBE, Kapurthala	In progress
4.	21501002	Hrishikesh Kumar	Study of Biomass for capture control and storage application in concrete	Dr. N K Srivastava Associate Professor	In progress
5.	22501203	Aditya Arvind Yadav	An Experimental Investigation on Production of Bio-ethanol from Cost-effective and Sustainable Feedstock and its utilization in IC Engine	Dr. Sachin Kumar Scientist 'C' SSS-NIBE, Kapurthala	Admitted on 02/06/2022
6.	22801201	Deepak Yadav	Process simulation and Integration of Biofuel 1.5 G Ethanol Production		Admitted on 07/06/2022
7.	22501202	Shreya Gupta	Micro Algal Biofilm Bioreactor Development for an integrated waste water treatment and conversion of Biomass into Biohydrogen under a Biorefinery approach	Dr. Sanjeev Mishra Scientist 'C' SSS-NIBE, Kapurthala	
8.	22501004	Dinesh Verma	Lignin extraction from paddy straw and nano-lignin synthesis and exploration of		

			its application in different fields		
9.	22501202	Vikram Dhaka	Experimental Investigation of Novel Solar Air Heater with Thermal Storage Unit for sunshine and Off-sunshine Hours	Dr. Avadhesh Yadav Scientist-F/DDG National Institute of Solar Energy, Gurugram	
10.	23501001	Raghuwendra Kumar	Space Heating through Solar Energy		
11.	23501202	Ritu Singh	Optimization of Self Sufficient of AC/DC Hybrid Microgrids with Storage and Various Energy Sources	Dr. Jai Prakash DDG NISE, Gurugram Dr. Renu Gupta NITJ	

B. List of Advice to PhD students (07)

S.N	Year	Name	Roll No.	Topic
1.	2006	Renu Bansal	06401032	Dispersion Studies on Trickle Bed Reactor
2.	2006	Neetu Divya	06401001	Studies on photocatalytic degradation of A ₂ O dyes
3.	2006	Sangeeta Garg	06401033	Studies on the properties of starch modified by acrylations and LDPE starch blend film
4.	2007	Chhavi Rani	06401005	Biodegradation of A ₂ O dye by white-rot-fungi in suspension and immobilized culture
5.	2012	Pramod Kumar Yadav	1001003	Modeling FCC Riser Reactor Using Pseudo-Reaction Kinetics
6.	2012	Baljeev Kumar		Preparation and characterization of various samples of HDPE/Fly ash polymer composites along with the addition of Methacrylate as a compatibilize
7.	2012	Pankaj Kalra		Modelling & Simulation of a High temperature solid oxide fuel cell

C. List of Guidance To M.Tech. (By Research) Dissertation (01)

S.N	Regd. /Roll No.	Candidate	Title of the thesis	Name of another Supervisor	Date of result notification
1.	05201101	Ashok Kumar	Solid Liquid Batch extraction of Hyperforin from hypericum perforatum L.-An Experimental Study & Process Optimization	Dr. V K Koul IIIM Jammu	Result declared on 25.2.2009

D. List of Guidance To M.Tech. Dissertation (25)

S. N	Regd. /Roll No.	Candidate	Title of the thesis	Name of another Supervisor	Date of result notification
1.	02208006	Vipan Kumar	Kinetic Study on Transesterification of Jatropha Curcus Oil with Butanol	Dr. A K Gupta, IIP Dehradun.	Result declared on 30/11/2006
2.	06201101	Nitin Verma	Study of Properties of the Blend of	-	PF/Stud/NITJ/777 25/8/2008

			Polypropylene and Rice Husk		
3.	06201102	Sandeep Kaur	Impact of Filler (Fly Ash) on Properties of Polypropylene	-	PF/Stud/NITJ/1469 12/2/200*-9
4.	07201002	Praveen Kumar	Synthesis of solid catalysts and applications for Biodiesel production	-	PF/Stud/NITJ/563 20/7/2009
5.	07201003	Rajat Setia	Process Optimization of Biodiesel Production from Mahua oil using acidic pre-treatment	-	PF/Stud/NITJ/564 20/7/2009
6.	08201105	Rahul Jain	Screening of Algae for Biodiesel and other Application	-	PF/Stud/NITJ/1764 20/7//2010
7.	08201104	Prashant Kumar	Study on Effects of Polymer & Crumb Rubber on Properties of Bitumen.	Dr. P. Senthivel, Manager R&D, BPCL Corporate R&D Centre, Greater Noida.	PF/Stud/NITJ/1863 13/8/2010
8.	08201102	Bhola Nath Mishra	Designing and Optimisation of Multi component Distillation Column	-	PF/Stud/NITJ/3149 5/8/2011
9.	09201102	Paritosh Agnihotri	Hydro processing of Jatropa Oil to produce Green Fuels.	-	PF/Stud/NITJ/3248 6/9/2011
10	10201104	Neetu Singh	Thermo Analytical Study of Biodiesel	Dr. A K Sharma SSS-NIRE, Kapurthala	
11	72240695	Navneet Sood	Leachate Treatment by using Naturla Adsorbents	Dr. Rajeev Garg SBSCET, Ferozepur	PTU/MTech./Thesis /1111211 dated 11.11.2011
12	11201101	Aditya Kumar Rastogi	Study of combustion and pyrolysis behaviour of waste biomass generating from biodiesel industries	Dr. A K Sarma Scientist D, SSS- NIRE Kapurthala	Result declared on 29/08/2013
13.	11201108	Maqsood Azam	Biosorption of Hexavalent chromium Cr (VI) from synthetic wastewater using E.coli MTCC2692	-	Result declared on 29/08/2013
14.	12201103	Hemant Kumar	Study on Biosorption of Auramine-O Using Renewable and Biodegradable Low Cost Biosorbent Spirogyra Species	-	Result declared on 03/09/2014

15.	12201119	Ravneet Kaur	Study on Pyrolysis Kinetics of Waste Wood Biomass, Coal and Their Blend Using Thermogravimetric Analysis TGA)	Mr. Manoj Kumar Jindal Government Polytechnic College for Girls,Jalandhar	Result declared on 03/09/2014
16.	10201137	Rinku Sharma	Preparation & Characterization of Propylene/ Natural Fibre Based Nanocomposite	-	Result declared on 05/09/2014
17.	13212022	Jaspreet Kaur	Downstream Processing of Crude Glycerol into Value Added Products	Dr. A K Sarma Scientist D, SSS-NIRE Kapurthala	Result declared on 11/06/2015
18.	13212015	Virendra Kumar	Heterogeneous catalyst synthesis for the production of Methanol and DME	-	Result declared
19.	14212006	Navneet Kumar Kushwaha	Replacement of virgin rubber with high tensile reclaimed rubber	Dr. S N Chakravarty MD, KPS Consultants New Delhi	Result declared
20.	14212014	Devashish Pathak	Catalyst Evaluation studies on High pressure micro reactor for fuel production	Dr. N Bishawanadham IIP,Dehradun	Result declared
21.	15212007	Amanpreet Kaur	Oxidative dehydrogenation of propane to propylene using carbon dioxide	Mr. R.M. Thakur, Senior Research Manager, Refinig Technology-I, Indian Oil Corportaion R&D Centre, Faridabad.	NITJ/Acad/9233 dated 4/10/2017
22.	19201101	Mainak Gayen	Methyl orange adsorption using zinc chloride activated biochar	Dr. Thallada Bhaskar Head MRED, CSIR-IIP, Dehradun	
23.	20201211	Rajib Nandi	Impact of KOH on rice husk biochar for carbon capturing with high selectivity	Dr. Shashikant Yadav Assistant Professor Department of Chemical Engineering, NIT, Jalandhar	Result declared on 26/09/2022
24.	20201202	Azeem Joiya	Improving the Power Quality of a Solar PV Plant connected to the Grid with the help of Current Regulator using PSO-MPPT Technique.	Mr. Yelchuri Srinath Assistant Director Offshore Wind Development, Data Analysis And Forecasting Department, National Institute of	

				Wind Energy , Chennai	
25.	21191104	Poonam Kamlekar	Biogas enrichment to Biomethane (Bio CNG) aided with Temperature swing adsorption	Dr. Krishnendu Kundu Senior Principal Scientist. Department : Centre of Excellence for Farm Machinery	
26.	22901204	Shiv Kumar Singh			

E. List of Guidance To *B.Tech. PROJECTS* (125)

S.N	Year	Name	Roll No.	Topic
1.	2023	Gayatri Aggarwal	19112030	Sustainable Technologies in Textile Wet Processing and Challenges in their Commercialisation
2.	2023	Neha	19112064	Sustainable Technologies in Textile Wet Processing and Challenges in their Commercialisation
3.	2023	Jaswanth Kari	191120247	Computational Drug Discovery using Machine Learning
4.	2023	Harshit Dodiya	19112037	Computational Drug Discovery using Machine Learning
5.	2023	Arshdeep Singh	19112017	Mathematical Modelling and RSM Optimization of Aerobic Submerged Membrane Bioreactor for the Removal of Remazol Turquoise Blue from Textile Waste Water.
6.	2023	Tripatpal Singh	19112103	Mathematical Modelling and RSM Optimization of Aerobic Submerged Membrane Bioreactor for the Removal of Remazol Turquoise Blue from Textile Waste Water.
7.	2023	Yatharth Vats	19112113	Design of Shell & tube Heat Exchanger by Kern's method (NFL Nangal Case Study)
8.	2022	Abhisarika Singh	18112001	Waste Management
9.	2022	Bhawani Shankar	18112020	Manufacture of Ultra
10.	2022	Kaustubha Dixit	18112037	Design of Spiral Heat Exchanger
11.	2022	Rahul Kumar	18112055	Design a Photobioreactor for Microalgae Cultivation and Bioethanol Production
12.	2022	Simran saini	18112073	Cement Paint
13.	2022	Loveleen	17112046	Waste water Measurement and Treatment
14.	2022	Tripat Pal Singh	19112103	Petroleum Sludge, its Treatment and Disposal
15.	2022	Arshdeep Singh	19112017	Petroleum Sludge, its Treatment and Disposal
16.	2022	Yatharth Vats	19112113	Study of High Temperature Resistant Polymeric Coatings

17.	2022	Neha	19112064	Study of High Temperature Resistant Polymeric Coatings
18.	2022	Jaswanth Kari	19112047	Design and Simulation of Cumene Production Plant Using Aspen Plus
19.	2022	Harshit Dodiya	19112037	Design and Simulation of Cumene Production Plant Using Aspen Plus
20.	2022	Gayatri Aggarwal	19112030	Utilization of Eggshell waste as a Catalyst in Biodiesel Production
21.	2021	Ashwani Kumar	17112019	Simulation of Extractive Distillation of Toluene and Methanol mixture using DWSIM
22.	2021	Harkirat Singh Saini	17112032	Simulation of Hydrogen Production via Water Gas shift reaction using DWSIM
23.	2021	Julfikar Ansari	17112039	Simulation of Extractive distillation of Acetaldehyde and Toluene using water as solvent
24.	2021	Nishant Kanchan	17112060	Simulation of Extractive Distillation of Chloroform water mixture using DWSIM
25.	2021	Rohit Gupta	17112075	Simulation of Extractive distillation of Isopropanol water mixture using ASPEN plus
26.	2016	Kuldeep Chopra	12112035	Removal of Heavy Metals from Waste Water of Electroplating Industry
27.	2016	Pankaj Kumar	12112049	Removal of Heavy Metals from Waste Water of Electroplating Industry
28.	2016	Sunny Trivedi	12112078	Removal of Heavy Metals from Waste Water of Electroplating Industry
29.	2015	Ankit Raj Singh	11112009	Re-refining of used Lube Oil by Acid Clay Treatment and Solvent Extraction
30.	2015	Gurmannat Sandhu	11112026	Economic Optimization of Shell and Tube Heat Exchanger using Genetic Algorithm (GA)
31.	2015	Jagdish	11112029	Desalination of Water by Solar Energy
32.	2015	Karan Singh	11112040	Re-refining of used Lube Oil by Acid Clay Treatment and Solvent Extraction
33.	2015	Prashant Mahajan	11112055	Distillery Spent Wash Treatment
34.	2015	Sahil Singla	11112072	Distillery Spent Wash Treatment
35.	2015	Shaina	11112077	Desalination of Water by Solar Energy
36.	2015	Shruti Rawat	11112079	Economic Optimization of Shell and Tube Heat Exchanger using Genetic Algorithm (GA)
37.	2014	Gaganpreet Kaur Lamma	10112015	Removal of Chromium (VI) ion from tannery waste by precipitation process and adsorption process
38.	2014	Gaurav	10112016	Production of Biodiesel using Ultrasonication
39.	2014	Pankaj	10112037	Production of Biodiesel using Ultrasonication
40.	2014	Ranjan Kumar Singh	10112046	Adsorption of Methylene Blue on Coconut Coir
41.	2014	Rishabh Dev Sahu	10112051	Adsorption of Methylene Blue on Coconut Coir
42.	2014	Shipa Kumari	10112062	Removal of Chromium (VI) ion from tannery waste by precipitation process and adsorption process
43.	2014	Tushar Srivastava	10112077	Adsorption of Methylene Blue on Coconut Coir

44.	2013	Aakash Sharma	09112001	A Study on Hydro-Processing of Jatropha Oil
45.	2013	Akhil Khanna	09112003	Utilization of Acid Gas and its Industrial Analysis
46.	2013	Anil Kumar	09112005	A Computational Fluid Dynamics Study of Fluid Flow and Heat Transfer in a Micro Channel
47.	2013	Harmandeep Singh	09112026	Production of Biodiesel using Heterogeneous Catalyst.
48.	2013	Pramod Kumar	09112050	A Computational Fluid Dynamics Study of Fluid Flow and Heat Transfer in a Micro Channel
49.	2013	Raghav Sharma	09112054	A Computational Fluid Dynamics Study of fluid flow and heat transfer in a micro channel
50.	2012	Prabhsimran Singh	08110004	Reclamation of Rubber and Study of Cure Characteristics and Mechanical Properties of SBR-Reclaim Rubber Blends
51.	2012	Prabhdeep Singh	08110017	Study on Removal of Cr(VI) using Sugarcane bagasse as Adsorbent
52.	2012	Amrit Pal Singh	08111013	Comparison Between steady and unsteady state of an evaporating liquid Spray from an Air Assisted Atomizer Using CFD Simulations
53.	2012	Garima Arora	08112010	Study on Conversion of Greenhouse Gases to Syngas using Mesoporous Materials as Catalyst
54.	2012	Preeti	08112026	Study on Removal of Cr(VI) using Sugarcane bagasse as Adsorbent
55.	2012	Riyaz A	08112029	Study on important Parameters Affecting the Hydro – Distillation for Ginger Oil Production
56.	2012	Gurpreet Singh	08112042	Comparison Between steady and unsteady state of an evaporating liquid Spray from an Air Assisted Atomizer Using CFD Simulations
57.	2011	Apoorva Raghuvanshi	07101004	Study on Kinetics of Biodiesel Extraction from Jatropha
58.	2011	Upma Vermani	07101047	Study on Kinetics of Biodiesel Extraction from Jatropha
59.	2011	Virat	07101049	Life cycle assessment of Diesel and Biodiesel
60.	2011	Tushar Sharma	07101052	Study of Biodiesel Viscosity variation with Temperature
61.	2011	Krittika Swamee	07101016	Study of Biodiesel Viscosity variation with Temperature
62.	2010	Amarpreet Dieutt	06101004	Briquetting of Glycerine and Biomass
63.	2010	Sahil Manocha	06101033	Briquetting of Glycerine and Biomass
64.	2010	Minni Loat	06101042	Treatment of municipal Solid Wastes Leachate
65.	2010	Varunpreet S. Sekhon	06101043	Briquetting of Glycerine and Biomass
66.	2010	Vaneet Sharma	06101044	Treatment of municipal Solid Wastes Leachate
67.	2009	Roop Kishore Meena	4101020	Gas Chromatographic Evaluation of Kerosene Fractions from Biofuels
68.	2009	Abhinav Deshwal	5101001	Evaluation of different fraction of Gasoline
69.	2009	Akhilesh Chandrakar	5101002	Role of Numerical Modelling in Prediction of dispersion of oil in Coastal areas
70.	2009	Anil Kumar	5101005	Role of Numerical Modelling in Prediction of dispersion of oil in Coastal areas
71.	2009	Devendra Tiwari	5101011	Role of Numerical Modelling in Prediction of dispersion of oil in Coastal areas

72.	2009	Jasmeet Pal Singh Sandhu	5101016	Evaluation of different fraction of Gasoline
73.	2009	Kanavdeep Gupta	5101018	Study the effects of pour point depressants on different Indian Crude oils
74.	2009	Kumar Sabya Sachi	5101021	Gas Chromatographic Evaluation of Kerosene Fractions from Biofuels
75.	2009	Mahinder	5101023	Study the Characteristics of Leachate
76.	2009	Manish Jain	5101025	Gas Chromatographic Evaluation of Kerosene Fractions from Biofuels
77.	2009	Naveen Kumar Gupta	5101027	Gas Chromatographic Evaluation of Kerosene Fractions from Biofuels
78.	2009	Pabbaraju Venkata Sandeep	5101033	Transesterification of Vegetable oil on heterogeneous Catalyst
79.	2009	S Venu Sunil	5101043	Study the effects of pour point depressants on different Indian Crude oils
80.	2009	Sidhant Raheja	5101049	Study the effects of pour point depressants on different Indian Crude oils
81.	2009	Sunil Kumar	5101051	Study the Characteristics of Leachate
82.	2009	Sunny Kumar	5101052	Transesterification of vegetable oil on heterogeneous Catalyst
83.	2009	Tapas Kumar Mahalik	5101053	Transesterification of vegetable oil on heterogeneous Catalyst
84.	2009	Tarun Kumar	5101054	Study the Characteristics of Leachate
85.	2009	TirthanakarKrushna Beher	5101055	Role of Numerical Modelling in Prediction of dispersion of oil in Coastal areas
86.	2007	Samandeep Singh Vijeta Jangra	03101020 03110018	Kinetic Analysis for the Removal of Dye From Industrial Effluent by Adsorption
87.	2007	Vivek Ranjan	03101022	Study of Nanopropeller Driven Bacterial motion and its modelling
88.	2005	Kanwarbir Singh	121020264	Re-refining of Used Lubricating Oil using Vacuum Distillation
89.	2005	Raman Kumar Dhanda	121020271	Re-refining of Used Lubricating Oil using Vacuum Distillation
90.	2005	Nidhi Dhawan	121014507	Kinetic Study of Transesterification Reaction and Engine Testing using Biodiesel.
91.	2005	Anuradha	121134346	Kinetic Study of Transesterification Reaction and Engine Testing using Biodiesel.
92.	2004	Parul Gupta	002111142	Manufacture of Guar Gum
93.	2004	Vicky Bansal	002112178	Study on Re-Refining of used Lubricating Oil
94.	2004	Naresh Kumar	002112191	Study on Re-Refining of Used Lubricating Oil
95.	2004	Ukey Rakesh	02112197	Study on Trans Esterification of Non Edible Oil with Lower Alcohol
96.	2003	Ankur	9902362	Study on Re-refining of used Lubricating Oil
97.	2003	Hemant Sharma	9902365	Study on Trans Esterification of Non Edible oil with lower Alcohols
98.	2003	Aparna	9902366	F. - do -
99.	2003	Vasant Kumar	9902374	Study on Re-refining of used Lubricating Oil
100.	2003	Atul Mohan	9902379	Study on Trans Esterification of non-Edible Oil with Lower Alcohols
101.	2003	Kitty Agarwal	9902342	Study on Trans Esterification of non-Edible Oil with lower Alcohols

102.	2003	Surya Parkash Sharma	9902397	Study on Re-refining of used Lubricating Oil
103.	2002	Gaurav sharma	9802434	Optimization of Alkylate for High Octane Gasoline
104.	2002	Gurvinder Singh	9802436	Desalination of water by Membrane Process
105.	2002	Rohit Kr. Gupta	9802445	Optimization of Alkylate for High Octane Gasoline
106.	2002	S.V.A.R. Sastry	9802446	Ecological & Energy Aspects of Bio Waste Management & Bio Fuel Generation through Catalytic Trans Esterification of Jatropha Oil
107.	2002	Saini Jorawar Singh	9802447	Desalination of Water by Membrane Process
108.	2002	Saurabh Sharma	9802448	ROSE Technology
109.	2002	Suresh Saini	9802454	Treatment of Distillery Waste Water using Membrane Technology
110.	2001	Kavitha J.P.	257	Design of Hydrogen Unit
111.	2001	Puneet Jain	413	Design of Hydrogen Unit
112.	2001	Rakesh Kumar	434	Design of Hydrogen Unit
113.	2000	Jitender	96115	Re-refining of used Oil
114.	2000	Ms.Kawleen Singh	96118	Smoke Point Improvement
115.	2000	Vivek Ranjan	96120	Manufacture of PVC
116.	2000	Ms. Shivani	96131	Smoke Point Improvement
117.	1999	Sachin B. Meshram	95314	Plant Design for 51,5000 CMPD Hydro Cracker Unit
118.	1999	Manoj Bhardwaj	95331	Plant Design for Manufacture of Formaldehyde from Methanol
119.	1999	Anil Kumar Salgotra	95305	Plant Design for Production of Acrylonitrile from Propylene
120.	1998	Ashok Kumar	94625	Design for Ammonia Plant (cap. 1000 tons per day)
121.	1998	Kartik Santhanam	94632	Plant Design for Urea Manufacturer (cap. 800 tpd)
122.	1998	Sumeer Mago	94603	Process Plant Design of Atmospheric and Vacuum Processing Plant for Crude Oil
123.	1998	Rohit Badal	94621	Process Plant of Atmospheric and Vacuum Processing Plant for Crude Oil
124.	1998	Munish Bhalla	94604	Design of Sulphuric Acid Plant
125.	1998	Reeta Sawhney	94607	Design of Sulphuric acid plant
126.	1997	Prithvi Ranvir & Pratik Attray	124/93 &121/93	Manufacture of Acrylonitrile
127.	1997	Arjun Seth	108/93	Design of Esterification Setting of Polyester Plant
128.	1997	Abhishek Sharma	102/93	Methanol from Associated Gas
129.	1995	Ramanpreet Singh	111/91	Design for Refinery Sour Water Stripper Unit
130.	1994	Sanjiv Khullar	124/90	Vinyl Chloride Monomer
131.	1994	Paramjit Singh Bawa	114/90	Design of Hydrogen Plant as Raw Material for 1000 TPD Urea Plant using Natural Gas as Raw Material
132.	1994	Navtej Singh	113	Design of Carboxy Methyl Cellulose Plant

LIST OF PUBLICATION OF PROFESSOR (Dr.) M K JHA

(* *Indicates International Publication*)

1. **M.K Jha**, and T. Kumar
“Artificial Island to Develop Shallow Offshore Oilfields” Proc. National Seminar on Strategies in Petroleum Production and Utilization, organized by Department of Petroleum Engineering, Indian School of Mines, Dhanbad, Jan ,1990.
2. T. Kumar and **M.K. Jha**
“Petroleum Engineering Education in India,” Mineral and Mining World, 24-29 (1990).
3. S.K. Jha, and **M.K.Jha**
“Underground Gasification of Coal with a Reference to UCG in USSR”, Proc. All India Seminar on Recovery of Coal Chemicals organized by the Institution of Engineers (India) Jamshedpur Local Center, Jamshedpur Nov. 1990.
4. ***M.K Jha**, and T. Kumar
“Wave Refraction Study Around Artificial Island in East Coast of India,” Abstract published in first International Petroleum Conference PETROTECH-95, New Delhi, January,1995.
5. **M.K. Jha** , T. Kumar and J.S. Mani
“Feasibility Study on Developing an Artificial Island off East Coast of India”, Proc. Fourth Indian Conference on Ocean Engineering: INCOE-91, organized by National Institute of Oceanography, Goa, Sept, 1996.
6. **M.K.Jha**
“Environment Management in Petroleum Industry”, Proc. ISTE Annual Convention and Regional Seminar on Environmental Pollution & Control, organized by ISTE Chapter Beant College of Engineering and Technology, Gurdaspur, Sept. 1998.
7. R.S. Bharaj and**M.K.Jha**
“Re-refining of Used Oil-An Innovative Approach,” Proc. Workshop on Used Oil Recycling in India organized by Indian Institute of Petroleum, Dehradun under the aegis of Tribology Society of India (Affiliated to International Tribology Council, U.K.) Nov. 1999.
8. **M.K Jha**
“Integration of Human Values in Technical Education”, The Journal of Engineering Education, 10-13 XV (1) (2001)
9. K.P. Sharma and **M.K.Jha**
“Status of Open Pan Sulphitation Khandasari Technology in Northern India” Journal of The Institution of Engineers (India), Chemical Engineering Division, 82, 69-77 (2002).

10. *T. K Roy, **M.K.Jha** and J.S. Mani
“Modeling of Oil Dispersion in the Coastal and Ocean Region”, proc. of 5th International Petroleum Conference and Exhibition (Petrotech 2003) Vol – I, Paper No. H033, New Delhi, January, 2003.
11. **M.K.Jha** , O.A.K. Sondhi and M. Pansare
“Solid Waste Management – A Case Study”, Indian Journal of Environmental Protection Volume 23 Number 10, 1153-1160 October (2003)
12. **M.K Jha** and A. Sethia
“Natural Gas Based Chemical Industries in India,” Chemical Weekly XLIX, 181- 185 (2003)
13. *T.K.Roy, **M.K.Jha** and J.S.Mani
“Two Dimensional Oil Spill Model for Prediction of Oil Dispersion in the Coastal Waters”, Proceedings of 10th India Oil & Gas Review Symposium & International Exhibition (IORS-2003) paper no. 106 at Mumbai September 8-9, 2003.
14. ***M.K. Jha**
“Re-refining of Used Lube Oil: An Intelligent and Eco friendly Option,” Proc. Indian Chemical Engineering Congress and 56th Annual Session of Indian Institute of Chemical Engineers, organized by Regional Research Laboratory, Bhubaneswar, Dec. 2003.
15. ***M. K Jha**, and H.S. Sangha
“Recent Advances in Distillation Processes,” Proc. Indian Chemical Engineering Congress and 56th Annual Session of Indian Institute of Chemical Engineers, organized by Regional Research Laboratory, Bhubaneswar, Dec. 2003.
16. **M.K.Jha**, Hemkant Sharma and Bindu Marwaha
“Processes for Production of biodiesel from vegetables oils” Chemical Business Volume 18 No.2, 61-73 April/June 2004.
17. *R.B. Chaudhary and **M.K.Jha**
“Action Mechanism of Boundary Lubrication Additive- A Review” Part I Lubrication Science, France 405-419, August 2004.
18. R.B. Chaudhary, A.K.Jana , and **M.K.Jha**
“Enzyme Technology Applications in Leather Processing” Indian Journal of Chemical Technology Vol. 11, 659-671 September, 2004.
19. *R.B. Chaudhary and **M.K.Jha**
“Action Mechanism of Boundary Lubrication Additive- A Review” Part II Lubrication Science, France 75-93, November, 2004.
20. **M.K Jha**, and H.S. Sangha
“Food Processing – An Innovative Approach” Proc. Indian Chemical Engineering Congress and 57th Annual Session of Indian Institute of Chemical Engineers, organized by Mumbai Regional Centre, Mumbai Dec. 2004.

21. **M.K.Jha**, B.B.Singh and T.K.Roy
“Oil Spill and its Containment” Journal of Industrial Pollution Control 301-310, 20 (2) 2004.
22. **M.K.Jha** and T. Jain
“Prospects and Concerns of Paint Industries” Paint India Vol. LV No.4, 77-83 April, 2005.
23. ***M.K.Jha** and R.B. Chaudhary
“Studies on Action Mechanism of Lubricity Additives” proc of 7th World Congress of Chemical Engineering, Glasgow, U.K. July, 2005
24. **M.K. Jha**
“Re-refining of Used Lube Oils: An Intelligent and Eco-friendly Option” The Journal of Indian Chemical Engineer Vol. 47/No.3, 209-211 July-September, 2005.
25. *T.K.Roy, **M.K.Jha** and J.S. Mani
“Oil Spill Response – Role of Chemical Dispersant” Proceeding of the 12th India Oil & Gas Review Symposium & International Exhibition (IORS-2005) at Mumbai September 5-6, 2005.
26. Sarabjit Kaur, A.K.Jana and **M.K.Jha**
“Studies on Storage Stability, Enzyme Activity and Operational Stability of Enzyme Alpha – Emylase” Proc. Indian Chemical Engineering Congress and 58th Annual Session of Indian Institute of Chemical Engineers organized by Northern Regional Centre and Indian Institute of Technology, Delhi at IIT Delhi December, 2005.
27. *Jatinder Kumar, Amit Jain, Ajay Bansal and **M.K. Jha**
“Neural Network Based Simulation for Prediction of Physical Properties of Diesel– Biodiesel Blends” Proc. Indian Chemical Engineering Congress and 58th Annual Session of Indian Institute of Chemical Engineers organized by Northern Regional Centre and Indian Institute of Technology, Delhi at IIT Delhi December, 2005.
28. **M K Jha**, A K Gupta and Vipin Kumar
“Production of Biodiesel from Jatropha Circurs: A Review” Proc. Twenty second National Convention on latest advances in Petroleum and Petrochemical Industries organized by Institution of Engineers (India) Delhi State Centre, New Delhi on September 3, 2006
29. **M K Jha**, A K Gupta and Vipin Kumar
“Biolubricants : Anti-Corrosive Material” Proc. Thirteenth National Congress on Corrosion Control organized by National Corrosion Council of India at Mangalore during October 12-14, 2006.
30. *Renu Bansal, Ajay Bansal and **M K Jha**
“Development of Empirical Correlation to Predict Temperature Dependent Kinematics Viscosity of Biodiesel Blends” Proc. Of the International Conference on Bio-Fuels Vision – 2015 at Engineering College Bikaner, Bikaner (Rajasthan) from October 13-15, 2006.

31. Anil Kumar, **M K Jha** and V P Singh
“Study on Hydraulic Fracturing Technique for Application in Unconventional Gas Reservoirs” Proc. Of the All India Seminar on Energy and Environmental Issues related to Chemical Industry organized by The Institution of Engineers (India), U P State Centre, Lucknow in association with Harcourt Butler Technological Institute, Kanpur from 10-11 March, 2007.
32. G K Sharma and **M K Jha**
“Environment Protection by Re-refining of Used Lubricating Oils” Proc. Of the All India Seminar on Energy and Environmental Issues related to Chemical Industry organized by The Institution of Engineers (India), U.P State Centre, Lucknow in association with Harcourt Butler Technological Institute, Kanpur from 10-11 March, 2007.
33. **M K Jha**, A.K.Jana and Vipin Suneja
“Design of Reactive Distillation” Chemical Business Volume 21 No.4, 25-29 April 2007
34. *Jatinder Kumar, Ajay Bansal and **M K Jha**
“Comparison of Statistical and Neural Network Techniques in Predicting Physical properties of various mixtures of Diesel and Biodiesel” Proc. World Congress on Engineering and Computer Sciences San Francisco USA PP 95-98 October 24-26, 2007.
35. ***M K Jha**, A K Gupta and Vipin KUMAR
“Kinetics of Transesterification of Jatropha Curcas Oil to Biodiesel Fuel” Proc. World Congress on Engineering and Computer Sciences San Francisco USA PP 99-102 October 24-26, 2007.
36. *Anil Kumar, **M K Jha**, V P Singh and A K Srivastava
“Simulation of Massive Hydraulic Fracturing for Unconventional Gas Reservoirs” Proc. International Conference on Present Status and Future Trends in Petroleum Industry organized by Department of Petroleum Engineering Indian School of Mines University Dhanbad December 6-8, 2007.
37. Vijeta Jangra, Samandeep Singh, **M K Jha** and Apurba Dey
“Kinetic Analysis for the removal of Dye from Industrial Effluent by Adsorption” Proc. Indian Chemical Engineering Congress and Seminar on Emergence of Indian Chemical Industry as a Global Giant: Vision 2020” Kolkata December 27-30, 2007.
38. Vivek Ranjan and **M K Jha**
“Engineering Ethics: A Review” The Indian Journal of Technical Education volume 31 No.1 PP 70-77 January - March, 2008.
39. **M K Jha** and Rajesh Sharma
“Environmental Sustainability Via Emerging Molecular Nanotechnology” Journal of Industrial Pollution Control 24 (2), pp 101-110 2008.

40. *Poonam Chadha and **M K Jha**
“Feasibility Study of Jatropha Curcas Oil as a Diesel Substitute in a Single Cylinder Compression Ignition Engine” accepted for presentation in International Conference on Energy Security and Climate Change to be organized by Regional Energy Resources Information Centre (RERIC) Energy Field of Study at Asian Institute of Technology (AIT) Bangkok, Thailand from August 6-8, 2008.
41. *R B Chaudhary and **M K Jha**
“Nanoscale Investigations for Resource Development of Clean, Green and Renewable Energy Packages” accepted for presentation in International Conference on Energy Security and Climate Change to be organized by Regional Energy Resources Information Centre (RERIC) Energy Field of Study at Asian Institute of Technology (AIT) Bangkok, Thailand from August 6-8, 2008.
42. Poonam Chadha and **M K Jha**
“Briquetting and Pyrolysis of Biomass” Proc. Indian Chemical Engineering Congress and 61st Annual session of Indian Institute of Chemical Engineers and Seminar on” Green Technology and Sustainable Development” organized by Indian Institute of Chemical Engineers (IChE) Chandigarh Regional Centre in collaboration with Department of Chemical Engineering and Technology Panjab University, Chandigarh December 27-30, 2008.
43. **M K Jha**
“Overview of Petroleum” Proc. of “National Seminar on Synergy in Mineral Sector for Sustainable Development” 2008
44. *Manjula Siriwardhana, G K C Opathella and **M K Jha**
“Bio-Diesel: Initiatives, Potential and Prospects in Thailand: A Review” Energy Policy Volume 37, Issue 2 pp 554-559 February, 2009.
45. *Poonam Gera, S K Puri and **M K Jha**
“Use of Basic Heterogeneous Catalysts for Biodiesel Production: A Review” of New Frontiers in Biofuels published by Scitech Publications (India) Pvt. Ltd. pp 372-380 January, 2010.
46. *Shailendra Kumar Singh, **M K Jha**, A Dey and Ajay Bansal
“Transforming Waste into Clean Energy: A Technological Overview” Proc. First International Conference on New Frontiers in Biofuels organized by Delhi Technological University, Delhi at India Habitate Centre New Delhi January 18-19,2010.
47. *N K Srivastava, **M K Jha**, I D Mall and Davinder Singh
“Application of Genetic Engineering for Chromium Removal from Industrial Wastewater” International Journal of Chemical and Biological Engineering pp. 153-158, 33.2010.
48. E.Johal, **M K Jha** and M S Saini
"Analysis of the Characteristics of the Leachate” at Waryana Jalandhar (India) Ultra Scientist of Physical Sciences Volume 22, No.1 pp. 203 - 208 January-April, 2010.

49. Vidushi Bajpai, Shailendra Bajpai, **M K Jha**, Apurba Dey and Subrata Ghosh,
 “Microbial Adherence on Textile Materials – A Review” Journal of Environmental Research and Development Volume 5 No. 3 pp. 666-672.
50. S K Singh, **M K Jha**, Ajay Bansal, A Jindal
 “Algal Potential for bioremediation and green fuel technology” National Conference on “Recent Advances in Green, Eco-Friendly & Sustainable Chemistry”, Hans Raj Mahila Vidyalyaya, Jalandhar, Punjab, India September 9-10, 2010.
51. S K Singh, **M K Jha**, Ajay Bansal, A Jindal
 “Exploring algal beads potential for waste water treatments” National conference on “Process Industry and Sustainable Development” SCHEMCON-2010, RVR & JC college of Engineering, Guntur, Andhra Pradesh September 22-25, 2010.
52. *Abhishek Jindal, **M K Jha**, Ajay Bansal and Shailendra Singh
 “Algal Biofuel Production Technologies – A Review” Proc. Indian Chemical Engineering congress and 63rd Annual Session of Indian Institute of Chemical Engineers and Seminar on Emergence of Biotechnology in Process Industry - A Sustainable Growth & Clean World” organized by Indian Institute of Chemical Engineers Annamalai – Neyveli Regional Centre in Collaboration with Department of Chemical Engineering Annamalai University, Annamali (Tamilnadu) December 27-29, 2010.
53. ***M K Jha** and M K Jindal
 “Global Warming and Role of Chemical Engineering” Proc. Indian Chemical Engineering congress and 63rd Annual Session of Indian Institute of Chemical Engineers and Seminar on Emergence of Biotechnology in Process Industry - A Sustainable Growth & Clean World” organized by Indian Institute of Chemical Engineers Annamalai – Neyveli Regional Centre in Collaboration with Department of Chemical Engineering Annamalai University, Annamali (Tamilnadu) December 27-29, 2010.
54. *Vidushi Bajpai, Apurba Dey, Shailendra Bajpai, **M K Jha** and Subrata Ghosh
 “Quantification of Adherent Bacterial Cells on Biomaterials Current Perspective” Proc. International Congress on Environmental Research at Reduit Mauritius September 16-18, 2010.
55. E.Johal, **M K Jha** and M S Saini
 "Studies on treatment of Heavy Metals using Waste Tea Leaves” Ultra Scientist of Physical Sciences Volume 22, No.3 pp. 632 - 636 September- December, 2010.
56. *Poonam Gera, S K Puri and **M K Jha**
 “Use of Basic Heterogeneous Catalysts for Biodiesel Production: A Review” International Journal of Chemical Sciences under Journal of Ultra Chemistry Volume 7 (1) pp 123-133 February, 2011.
57. Shailendra Kumar Singh, **M K Jha**, Ajay Bansal and Amrit Pal Singh
 “Carbon Credit Market and Algae-Based CO₂ Sequestration Technology: A Review” Proc. National Conference on Advances in Chemical Engineering Department of

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