

CERTIFICATE FROM INDUSTRY



ISO 9001: 2015

No. CFEES/HRG/V.TRG/CERTIFICATE/ 1555

रक्षा मंत्रालय, डीआरडीओ

Min. of Defence, DRDO

अग्नि, विस्फोटक एवं पर्यावरण सुरक्षा केंद्र

Centre for Fire, Explosive & Environment Safety, (CFEES)

ब्रि. एस. के. मजूमदार मार्ग, तिमारपुर,

Brig. S. K. Mazumdar Marg, Timarpur

दिल्ली - ११० ०५४

Delhi - 110054


Dated: 17/01/2022

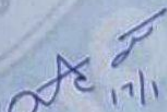
CERTIFICATE

This is to certify that **Mr. Deepanjan Maitra** (BE. in Chemical Engineering , Batch 2018-22, Roll No. 101801001) of **Thapar Institute of Engineering and Technology** (Deemed to be University), Patiala, has undergone his 6 months training at **Centre for Fire, Explosive and Environment Safety (CFEES)**, Defence Research & Development Organization (DRDO), Timarpur, New Delhi-110054 from the period 26/07/2021 to 31/12/2021 . During this training, he worked on the topic **“Modelling of Enclosure Fire using Two Zone Model and Large Eddy Simulation”** under the guidance of Mr. Satya Prakash Dobhal, Scientist 'F'.

He was found to be sincere and hardworking during the training.

We wish him great and successful future.


Associate Director
(ENSG)


Associate Director (TCP&HR)
CFEES DRDO

CERTIFICATE

This is to certify that Ms. Navdha Kapoor has carried out the research work presented in this dissertation thesis entitled "CATALYTIC PROCESS FOR THE PRODUCTION OF AROMATICS FROM NAPHTHA" from Catalytic Reforming Area, Light Stock Processing Division, CSIR – Indian Institute of Petroleum, Dehradun under my supervision during the period of July 2021 to December 2021. This is also certified that the thesis represents her independent work and to the best of my knowledge, original investigation without any previously reported results, for the award of degree course. I wish for her success in future.



16/12/2021

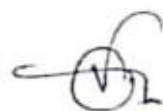
Dr. ANUP PRAKASH TATHOD

(Scientist)

Catalytic Reforming Area

Light Stock Processing Division

CSIR-IIP, Dehradun

 16/12/2021

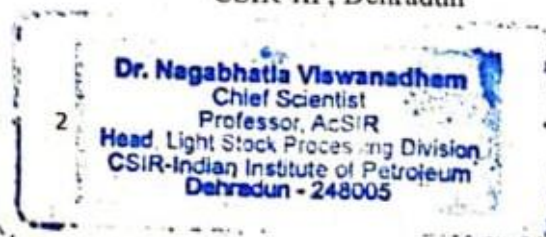
DR. N. VISWANADHAM

(Chief Scientist)

Head of Department

Light stock Processing Division

CSIR-IIP, Dehradun



CERTIFICATE

चरम प्राक्षेपिकी अनुसंधान प्रयोगशाला, चंडीगढ़

TERMINAL BALLISTICS RESEARCH LABORATORY, CHANDIGARH

TBRL/HRD/STU/II/2021/Chemical/EXPG-04/019



TO WHOM SO IT MAY CONCERN

This is to certify that Utkarsh Sharma S/o Shri Shyam Lal Sharma student Thapar Institute of Engineering & Technology, Patiala has undergone Industrial Training from 02nd August 2021 to 29th December 2021 at TERMINAL BALLISTICS RESEARCH LABORATORY, CHANDIGARH. He has worked on the project "RTD Study of 10 Series CSTR".

Date - 29th December 2021

(Rajesh Kumari)

GROUP DIRECTOR (HRD)



CERTIFICATE FROM INDUSTRY



इंजीनियर्स इंडिया लिमिटेड, ईआईएल कार्यालय परिसर, सेक्टर-16, गुरुग्राम - 122 001 (हरियाणा) भारत
Engineers India Limited, EIL Office Complex, Sector-16, Gurugram - 122 001 (Haryana) INDIA

TRG/NT/2021-22-44

31 December 2021

प्रमाण- पत्र

TO WHOMSOEVER IT MAY CONCERN

यह प्रमाणित किया जाता है कि Mr. Anmol Ghai, जो कि Thapar Institute of Engineering and Technology में B.E in Chemical Engineering के छात्र है जिन्होंने 05 July 2021 से 31 December 2021 तक हमारे संगठन के Research and Development Department में अपना व्यावसायिक प्रशिक्षण पूरा कर लिया है। उन्होंने 'Development of kinetic model for conversion of Methanol to Dimethyl Ether', विषय में अपना प्रशिक्षण पूरा किया है। प्रशिक्षण के दौरान, Mr. Ghai ने अपने कार्य में गहरी रुचि दिखाई है और मूल्यांकन करने पर उनका निष्पादन 'उत्कृष्ट' पाया गया है।

This is to certify that Mr. Anmol Ghai, a student of B.E in Chemical Engineering from Thapar Institute of Engineering and Technology has completed his Vocational Training in Research and Development Department of our organization from 05 July 2021 से 31 December 2021. He has undertaken his training assignment on 'Development of kinetic model for conversion of Methanol to Dimethyl Ether'. During the course of training, Mr. Ghai has shown keen interest in his assignment and his performance on evaluation has been found to be 'Excellent'.



अनुभा टी. अग्रवाल/ Anubha T Agarwal
प्रभारी-प्रशिक्षण/ In-Charge-Training
महाप्रबंधक-मा.सं./ General Manager - HR

 ISO 14001:2015 E9129781 ISO 45001:2018 H9129795	उत्कृष्टता का आधार - हमारे कर्मों Delivering Excellence Through People गुरुग्राम कार्यालय / Gurugram Office - फोन/Phone : +91-124-2891200/2003 CIN : L74899DL1965GOI004352 सर्व शिक्षा अभियान Follow us : f/EngineersIND @EngineersIND in/company/engineers-india-limited	 15 YEARS OF CELEBRATING THE MAHATMA	 TUV NORD ISO 9001
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CERTIFICATE

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TERMINAL BALLISTICS RESEARCH LABORATORY, CHANDIGARH

TBRL/HRD/STU/II/2021/Chemical/EXPG-03/017

TO WHOM SO IT MAY CONCERN

This is to certify that Shivam Yadav S/o Shri Madan Prasad Yadav student Thapar Institute of Engineering & Technology, Patiala has undergone Industrial Training from 02nd August 2021 to 27th December 2021 at TERMINAL BALLISTICS RESEARCH LABORATORY, CHANDIGARH. He has worked on the project "Design of Chemical Processes and Utilities of Chemical Production".

Date – 28th December 2021

(Rajesh Kumari)
GROUP DIRECTOR (HRD)

MINISTRY OF DEFENCE
TERL-DRDO
TERMINAL BALLISTICS RESEARCH LABORATORY, CHANDIGARH
ISO 9001 : 2015 CERTIFIED

रक्षा मंत्रालय
Ministry of Defence
CHANDIGARH

CERTIFICATE



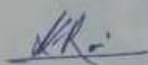
ISO 9001: 2015

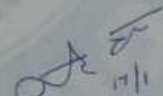
No. CFEES/HRG/V.TRG/CERTIFICATE/ 1556
रक्षा मंत्रालय, डीआरडीओ
Min. of Defence, DRDO
अग्नि, विस्फोटक एवं पर्यावरण सुरक्षा केंद्र
Centre for Fire, Explosive & Environment Safety, (CFEES)
ब्रि. एस. के. मजूमदार मार्ग, तिमारपुर,
Brig. S. K. Mazumdar Marg, Timarpur
दिल्ली - ११० ०५४
Delhi - 110054

Dated: 17/01/2022

CERTIFICATE

This is to certify that Ms. Mudita Tyagi (BE. in Chemical Engineering , Batch 2018-22, Roll No. 101801015) of Thapar Institute of Engineering and Technology (Deemed to be University), Patiala, has undergone her 6 months training at Centre for Fire, Explosive and Environment Safety (CFEES), Defence Research & Development Organization (DRDO), Timarpur, New Delhi-110054 from the period 26/07/2021 to 31/12/2021 . During this training, she worked on the topic "Study of enclosure fire and development of an experimental plan" under the guidance of Mr. Satya Prakash Dobhal, Scientist 'F'.
She was found to be sincere and hardworking during the training.
We wish her great and successful future.


Associate Director
(ENSG)


Associate Director (TCP&HR)
CFEES DRDO

CERTIFICATE FROM INDUSTRY



SHAILENDER RANA 11:04

to me ▾



Dear Mr. **Himanshu**,

Please find email as your required for your college purpose. In view of Covid scenario training certificate will be shared with you later on.

यह प्रमाणित किया जाता है कि Mr. **Himanshu Kumar**, जो कि Thapar Institute of Engineering and Technology में B.E in Chemical Engineering के छात्र है जिन्होंने 05 July 2021 से 31 December 2021 तक हमारे संगठन के Process 2 Department में अपना व्यावसायिक प्रशिक्षण पूरा कर लिया है। उन्होंने 'Pressure drop calculation in single & two phase fluid flow'. विषय में अपना प्रशिक्षण पूरा किया है। प्रशिक्षण के दौरान, Mr. Kumar ने अपने कार्य में गहरी रुचि दिखाई है और मूल्यांकन करने पर उनका निष्पादन 'उत्कृष्ट' पाया गया है।

सादर (With Best Regards),
शैलेंद्र राणा (Shailender Rana)
प्रशिक्षण विभाग (Training Dept)
ई आई एल – गुरुग्राम, (EIL Gurugram)

CERTIFICATE

	<p><i>चरम प्राक्षेपिकी अनुसंधान प्रयोगशाला, चंडीगढ़</i> TERMINAL BALLISTICS RESEARCH LABORATORY, CHANDIGARH</p>	<p>TBRL/HRD/STU/II/2021/Chemical/EXPG-06/023</p>
<p><u>TO WHOM SO IT MAY CONCERN</u></p>		
<p>This is to certify that Jitesh Banswal S/o Shri Deep Chand Banswal student Thapar Institute of Engineering & Technology, Patiala has undergone Industrial Training from 02nd August 2021 to 31st January 2022 at TERMINAL BALLISTICS RESEARCH LABORATORY, CHANDIGARH. He has worked on the project "THERMAL ANALYSIS OF POLYMERS".</p>		
<p>Date – 03rd February 2022</p>	<p> (Nidhi Sood) GROUP DIRECTOR (HRD)</p>	
<p></p>		

CERTIFICATE FROM INDUSTRY



इंजीनियर्स इंडिया लिमिटेड, ईआईएल कार्यालय परिसर, सेक्टर-16, गुरुग्राम - 122 001 (हरियाणा) भारत
Engineers India Limited, EIL Office Complex, Sector-16, Gurugram - 122 001 (Haryana) INDIA

TRG/VT/2021-22-46

29 December 2021

प्रमाण- पत्र

TO WHOMSOEVER IT MAY CONCERN

यह प्रमाणित किया जाता है कि Mr. **Brijesh Gupta**, जो कि Thapar Institute of Engineering and Technology में B.E in Chemical Engineering के छात्र है जिन्होंने 05 July 2021 से 28 December 2021 तक हमारे संगठन के Process 2 Department में अपना व्यावसायिक प्रशिक्षण पूरा कर लिया है। उन्होंने 'Overview of MS-Block (NHT, ISOM and CCR) and Calculations of Associated Equipments'. विषय में अपना प्रशिक्षण पूरा किया है। प्रशिक्षण के दौरान, Mr. Gupta ने अपने कार्य में गहरी रुचि दिखाई है और मूल्यांकन करने पर उनका निष्पादन 'उत्कृष्ट' पाया गया है।

This is to certify that Mr. **Brijesh Gupta**, a student of B.E in Chemical Engineering from Thapar Institute of Engineering and Technology has completed his Vocational Training in Process 2 Department of our organization from 05 July 2021 से 28 December 2021. He has undertaken his training assignment on 'Overview of MS-Block (NHT, ISOM and CCR) and Calculations of Associated Equipments'. During the course of training, Mr. Gupta has shown keen interest in his assignment and his performance on evaluation has been found to be 'Excellent'.



अनुभा टी. अग्रवाल/ Anubha T Agarwal
प्रभारी-प्रशिक्षण/ In-Charge-Training
महाप्रबंधक-मा.सं./ General Manager - HR

पंजीकृत कार्यालय : ईआईएल भवन, 1, भीकाजी कामा प्लेस, नई दिल्ली-110 066 | Regd. Office : EIL Bhawan, 1, Bhikaiji Cama Place, New Delhi-110 066 | फोन / Phone : +91-11-26762121 (EPABX)



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Saurav Chemicals Limited

Works: Derabassi-Barwala Road, Village **Bhagwanpura**, Tehsil Derabassi,
District Sahibzada Ajit Singh Nagar, Punjab, India -140507
Tel.: +91-1762-506091 & 522180
Website: www.sauravchemicals.com, CIN: U24112PB1993PLC014017

Ref: SCL/BHG/TRN/ 7215

Date: 17-Jan-22

TO WHOM IT MAY CONCERN

This is to certify that Mr. Mamnoon Azam student of B.E. (Chemical) Thapar Institute of Engineering, Patiala has undergone training in our organization in P.E. Department from 02-Aug-21 to 05-Jan-22. During the period of his training, he remained sincere and punctual.

We wish Mr. Mamnoon Azam all the best in his future endeavors.

For Saurav Chemicals Ltd.

A handwritten signature in blue ink, appearing to read 'Ajay', is written over a circular blue ink stamp. The stamp contains the text 'SCL' and '17 Jan-22'. Below the signature and stamp, the text 'Authorized Signatory' is printed.
Authorized Signatory

Regd. Office: Derabassi-Barwala Road, Village Saidpura, Tehsil Derabassi, District Sahibzada Ajit Singh Nagar,
Punjab, India -140507, Tel.: +91-1762-522312 & 522211

Corp. Office: Plot No. 370, Industrial Area, Phase-II, Panchkula, Haryana, India-134109, Tel.: +91-172-5054817-18

CERTIFICATE FROM INDUSTRY

L&T-CHIYODA LIMITED

L&T-Chiyoda Limited
5th Floor, West Block 1, L&T Knowledge City
Gate No. 1, Ajwa-Waghodia Crossing,
N.H. # 8, Vadodara 390 019, Gujarat. INDIA
Tel: +91 265 244 2000
www.Lntchiyoda.com

Ref: Onshore /2021/TRG/HR – 170

19 July, 2021

To,
Dr. Avinash Chandra,
Associate Professor,
Thapar Institute of Engineering & Technology

Dear Sir/Madam,

With reference to your application for the training of **Mr. Abhishek Jain**, we are pleased to accommodate the student to undergo Online Internship Programme for Industrial Project Work in our organization on the following terms & conditions:

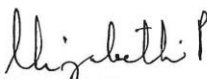
Department : Process Engineering
Reporting To : Ms. Darshana Chetwani
Duration : 01 August 2021 to 31 December 2021

Kindly note any company related information that will be made available while doing the project should be treated as strictly confidential. This information should not be published or disclosed in any public forum without prior written permission. The student will be governed by the rules & regulations of the department assigned.

This internship is non-remuneration based and no terms of employment are applicable to the student.

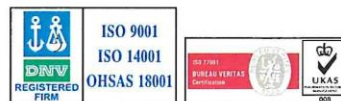
Thanking You,

**Yours Sincerely,
For L&T Chiyoda Limited**


Elizabeth Praveen
Sr. DGM – Human Resources

Registered Office: L&T House, N. M. Marg, Ballard Estate, Mumbai - 400 001. INDIA
CIN: U28920MH1994PLC083035

L&T-Chiyoda Limited is a Joint Venture of L&T Hydrocarbon Engineering Limited, India
and Chiyoda Corporation, Japan.



Certificate

वर्तमान प्रायोगिकी अनुसंधान प्रयोगशाला, चंडीगढ़

TERMINAL BALLISTICS RESEARCH LABORATORY, CHANDIGARH



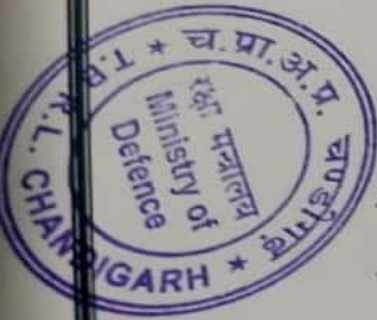
TBRL/HRD/STU/M/2021/Chemical/EXPG-05/020

TO WHOM SO IT MAY CONCERN

This is to certify that Aniruddh Skukla S/o Shri Mahesh Chandra Shukla student Thapar Institute of Engineering & Technology, Patiala has undergone Industrial Training from 02nd August 2021 to 31st December 2021 at TERMINAL BALLISTICS RESEARCH LABORATORY, CHANDIGARH. He has worked on the project "Study on Decomposition Products Formed After Detonation of C-H-N-O Based Explosives (Theoretical)".

Date - 13th January 2022

(Rajesh Kumari)
GROUP DIRECTOR (HRD)





फैक्स-01887-220541
एसटीडीकोडनं- 01887
ईपीएबीएक्सनं. -220510
वेबसाइट-

nationalfertilizers.com

No. NFL/NGL/HRD/VT/2021

नेशनल फर्टिलाइजर्स लिमिटेड

(भारत सरकार का उपक्रम)

नंगल इकाई, नया नंगल -140126(पंजाब)

NATIONAL FERTILIZERS LIMITED

(A GOVERNMENT OF INDIA UNDERTAKING)

NANGAL UNIT, NAYA NANGAL (PUNJAB) 140 126

(An ISO-9001:2008, ISO-14001:2004 & OHSAS-18001:2007 Unit)

स्वच्छ भारत
FAX: 01887-220541
STD No. 01887
EPABX No. 220510

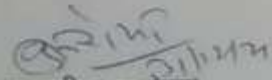
Website :
nationalfertilizers.com

Dated: 31.12.2021

CERTIFICATE OF TRAINING


This is to certify that Ms. Shaheen Singh D/o Shri Kanwar Shah Dev Katoch student of B. Tech. (Chemical Engg.), Regn. No. 101801020 from Thapar University, Patiala, PB has undergone her Vocational training from 22.07.2021 to 31.12.2021 in Production Department at this organization.

She took keen interest in her training and her conduct and performance was found to be Excellent. We wish her all the best for her bright future.


(कुलदीप सरोया)

सहायक प्रबंधक (समन्वय)

मानव संसाधन (HRD) / NGL
नंगल इकाई, नया नंगल, पंजाब
NGL Unit


13/01/2022
Suresh Chandra
(Industry Mentor)

कorporate कार्यालय : प्लॉट-11, सेक्टर 24, नोएडा, गौतम बुद्ध नगर, उत्तर प्रदेश पिन 201 301 ☎ 0120-2412294, 2412445 एवं 3092201 से 08, फैक्स 2412397
CORPORATE OFFICE: A-11, SECTOR 24, NOIDA, GAUTAM BUDDH NAGAR (UP) - 201 301 ☎ 0120-2412294, 2412445 & 309221 to 08, FAX : 2412397
रजि. कार्यालय : स्कोप कॉम्प्लेक्स, कोर-III, 7, इंस्टीटुशनल एरिया, लोधी रोड, नई दिल्ली-110 003, ☎ 011-24360066, फैक्स 24361553, सीआईएन: L74899DL1974GO1007417
REGD. OFFICE: SCOPE COMPLEX, CORE-III, 7 INSTITUTIONAL AREA, LODHI ROAD, NEW DELHI - 110 003, ☎ 011-24360066, FAX: 24361553, CIN: L74899DL1974GO1007417
Website: www.nationalfertilizers.com

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No. CFEES/HRG/V.TRG/CERTIFICATE/1553

रक्षा मंत्रालय, डीआरडीओ

Min. of Defence, DRDO

अग्नि, विस्फोटक एवं पर्यावरण सुरक्षा केंद्र

Centre for Fire, Explosive & Environment Safety, (CFEES)

ब्रि. एस. के. मजूमदार मार्ग, तिमरपुर,

Brig. S. K. Mazumdar Marg, Timarpur

दिल्ली - ११० ०५४

Delhi - 110054

Dated: 31/12/2021

CERTIFICATE

This is to certify that Ms. Riya Kansal, (B.E., Chemical Engineering, Roll number: 101801023) of Thapar Institute of Engineering & Technology, Patiala, 147004 has successfully completed her training at Centre for Fire, Explosive and Environment Safety (CFEES), Defence Research & Development Organization (DRDO), Timarpur, New Delhi-110054 from the period 26th July – 30th December, 2021. During this training, she worked on the project "*CHEMICAL PROCESS DESIGN AND SCALE UP*" under the guidance of Mr. Kumar Kaushik, Scientist 'E'.

She was found to be sincere and hardworking during the training.

We wish her a great and successful future.


(Shri R K Tanwar)
Scientist 'G'
Associate Director (FC & HB)
CFEES DRDO


(Dr. Meenakshi Gupta)
Scientist 'G'
Associate Director (TCP & HR)
CFEES DRDO