



MUZAFFARPUR INSTITUTE OF TECHNOLOGY

DEPARTMENT OF

2024 - 2025

LEATHER TECHNOLOGY



INNOVATE SUSTAIN TRANSFORM

SHAPING
TOMORROW
THROUGH
LEATHER
INNOVATION

TRADITION
MEETS
TECHNOLOGY



QUALITY
TECHNOLOGIST



INNOVATION
& RESEARCH



SUSTAINABILITY
FOR THE FUTURE



ACADEMICS
EXCELLENCE



INDUSTRY
INTERACTION



STUDENT
ACHIEVEMENTS



EVENTS &
ACTIVITIES



PLACEMENTS
& INTERNSHIPS

From Hide to High Performance

TABLE OF CONTENTS

01	About Institute
02	About Department
03	Message from Principal
04	Message from HOD
05	Department overview
06	Vision & Mission
07	Faculty
08	Laboratory
09	Analytical Chemistry Lab
10	Material testing lab
11	Footwear & CAM/ CAD Lab
12	Our Alumini
13	Departmental Activities
14	Academic Excellence
15	NPTEL & Learning
16	Internship & Industrial Exposure
17	Student Leadership
18	Extracurricular & Co-curricular Activities
19	Editorial Team

About Institute

After the slavery of nearly two centuries when our country got independence, our economy was in wretched position. The builders of the nation realized the necessity of rapid industrialization of the country. For boosting it, facilities for technical education was essential and hence engineering institutions started coming up throughout the country in fifties.

M.I.T. came into existence on 25th September 1954, just seven years after independence of India. It was inaugurated by Sri C.P.N. Sinha, then governor of East Punjab. Initially it was started with Civil Engineering discipline with a batch of 45 students as 1954-55 batch with the name 'College of Civil Engineering, Muzaffarpur'.

On 21st April 1956 the first prime minister of India Pd. Jawaharlal Nehru laid down the foundation stone of main building. Electrical & Mechanical Engineering branches were added from session 1960-61 and the institute was renamed as Muzaffarpur Institute of Technology. Pharmacy and Leather Technology were added in 1978 and 1986 respectively. Information Technology and Electronics and Communication Engineering disciplines were introduced in 2001.



MIT in Numbers

Established



1954

Departments



9+

Students



1300+

Faculties



76+

Affiliation



**BEU
Patna**

About Department

MIT Muzaffarpur is the only institute in Bihar to have the leather technology program. This idea was conceived by Dr. A. R. Swaminathan, the then managing director, Bihar State Leather Industries Development Corporation and was given final shape in 1986. This department gives an opportunity to the engineering students to pursue a career in one of the rapidly developing Leather industries of today.

The availability of TANNERY at Bela helps one to get a practical know-how of leather processing in industries and the various constraints connected with it. This is one of the top recognized institutes in India providing excellence in this branch. This branch has a significant position as shown by the various alumni of this college who are engaged with various national and International industries such as TATA International Limited, Stahl, BASF Chemicals, BATA India Limited and FDDI. Various other leather institutions are in contact with the department for latest knowledge sharing in this field.

The B.Tech. programme in Leather Technology was started in 1986 with an initial intake capacity of 15 students. After serving the leather industry and providing technical education for several decades, the programme was renamed as B.Tech. in Chemical Technology (Leather Technology) in 2024, with the intake capacity increased to 30 students.



Message from Principal



Dr. M. K. Jha
Principal

It is my pleasure to introduce one of the oldest Technical Institute of the Country Muzaffarpur Institute of Technology Muzaffarpur, whose existence came on September 25, 1954, just seven years after Independence of India. It was inaugurated by Sri C.P.N Sinha, The then Governor of East Panjab. Subsequently the first prime minister of the country Pandit Jawaharlal Nehru laid down the foundation stone of main building on April 21, 1956. The Institute has a lush green campus of over 86 acres within the heart of the city, the campus offers a safe and lively environment. The institute is well connected with road, train and airport Patna and Darbhanga within vicinity of 70 kms.

The Primary Mission of our institute is to provide resources and state of art program that will help professional development of our students. Initially it was started with Civil Engineering discipline with a batch of 45 students as 1954-55 batch with the name of 'College of Civil Engineering Muzaffarpur'. Subsequently Electrical and Mechanical Engineering branches were added from session 1960-61 and the institute was renamed as Muzaffarpur Institute of Technology. Further new branches such as Pharmacy (1978) Leather Technology (1986) Information Technology and Electronics and Communication Engineering (2001) Bio Medical and Robotic Engineering (2022) Computer Science and Engineering (2024) were added. The Leather Technology branch was renamed to Chemical Technology (Leather Technology) in the year of 2024.

The Institute has also Post Graduate Programs leading to M. Tech degree in Thermal Engineering (2017) Machine Design (2017) Geotechnical (2022) Advance Electronics and Communication Engineering, Electrical Energy Systems and Transportation Engineering (2024). Presently, the Institute has 9 UG Programs and 6 PG Programs with total intake capacity of 620 that is highest in the any government engineering college of the state.

Message from HOD



Dr. M. K. Jha

Head of Department

As a department, we continuously strive to push the boundaries of leather technology through cutting-edge research and collaborative partnerships with industries. Our state-of-the-art facilities and industry connections ensure that you have access to the best resources for your academic and research pursuits.

To our students, I want to emphasize that you are the heart and soul of our department. Your passion for leather technology and dedication to learning inspire us every day. Our aim is to equip you with not just theoretical knowledge but also practical skills that will empower you to make a real difference in the industry.

Our vision is not just to produce graduates, but to nurture future leaders and change-makers in the world of leather technology. Let's work hand in hand, creating a legacy that inspires generations to come.

Department overview

Leather Engineering is a specialized field that focuses on the design, manufacturing, and processing of leather and leather products. It combines elements of chemical engineering, materials science, and textile technology to create high-quality, durable, and sustainable leather materials.

Professionals in leather engineering work on various aspects, including leather processing techniques, chemical treatments for tanning and finishing, understanding the structure and properties of leather, and developing innovative methods for its application in diverse industries.

Leather engineers play a crucial role in enhancing the quality and performance of leather goods, ranging from footwear and apparel to automotive interiors and luxury accessories. They also contribute to sustainable practices by exploring eco-friendly tanning methods and waste reduction techniques.

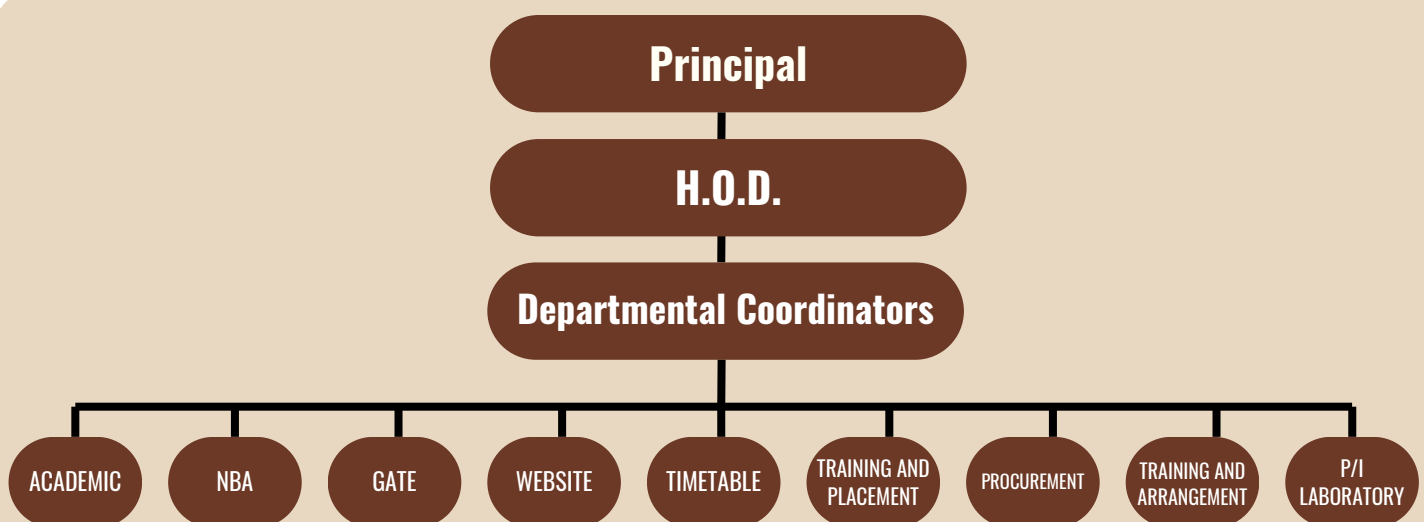
As the world becomes more environmentally conscious, leather engineering has seen a shift towards sustainable practices, circular economy principles, and the use of alternative materials. Leather engineers are at the forefront of these advancements, ensuring that the leather industry remains relevant, responsible, and responsive to global challenges.

In conclusion, leather engineering is a dynamic and evolving discipline that brings together science, technology, and creativity to shape the future of leather materials and products in an environmentally conscious and innovative manner.



Vision & Mission

- To emerge as a national leader in graduate level studies in all sub areas of leather field and to make significant contribution to the development of the society, industry, nation and the world.
- Educate leather technology students to produce quality engineers who serve leading firms and different sectors of the industry and can work in multi-disciplinary environment to anticipate and address evolving challenges of the 21st century in tanning and footwear industry.
- Impart high performance knowledge in leather and footwear sector that are economic and environment friendly.
- To establish national leadership and provide technological support to the Indian leather industry.
- Improve fundamental knowledge of inter relationship between the built environment and natural systems.



Faculty



Prof. S. K. Choudhary

Assistant Professor

Highest Qualification: M.Sc . Engg..
(Pursuing Ph.D from NIT,Patna)

Dr. Manikant Kumar

Assistant Professor

Highest Qualification: Ph.D.-NIT,Patna



Prof. Arti Kumari

Assistant Professor

Highest Qualification: M.Tech.

Dr. Mithilesh Kr. Rai

Assistant Professor

Highest Qualification: Ph.D.-IIT (BHU)



Er. Santosh Kumar

Lab Assistant

Highest Qualification: B.Tech(MIT)



Er. Shankar Kumar

Lab Assistant

Highest Qualification: B.Tech(MIT)

Laboratory

The various laboratories under this department are as follows:-

- Tannery Workshop
- Analytical Chemistry Lab.
- Physical Testing and Quality Control Lab.
- Footware and Material Testing Lab.

T A N N E R Y L A B



Drum & Chemicals

Analytical Chemistry Lab



Material testing lab



Penetrometer



Cutting Tool



*Water Vapour
Permeability Tester*



CrockMeter



Tensile Testing



Flexo Meter Tester



Lastometer

Footwear & CAM/ CAD Lab



Our Alumni

**Sudarshan Kumar
Mishra**

Passing Year: 1993

Current Working Institution: Standard
Shoe Sole and Mould India Limited

Designation: Director

Ashish kumar

Passing Year: 2004

Current Working Institution:
Evalueserve

Designation: Senior Manager

Rajeev Kumar

Passing Year: 2008

Current Working Institution: Stahl India
Pvt. Ltd

Designation: Senior Technical Executive

Vijay Kumar

Passing Year: 2009

Current Working Institution: C&E Ltd.
Baddi, Himachal Pradesh

Designation: Application Lab Incharge

Our Alumni

Aditya Raj

Passing Year: 2021

Current Working Institution: GalaxE Solutions

Designation: Associate Software Developer

Abhinash Kumar

Passing Year: 2022

Current Working Institution: C&E LIMITED

Designation: Technician

Shruti Chaubey

Passing Year: 2024

Current Working : NullClass Company

Designation: Web Developer

Sandeep Priyadarshi

Passing Year: 2023

Current Working : MSME

Designation: Assistant Director

Departmental Activities

Inauguration of The student chapter of Indian Institute of Chemical Engineers (IIChE) at MIT , MUZAFFARPUR

HONORARY GUESTS Shri. Sanjeev Rai CEO ,Ornat Labs Pvt. Ltd. Muzaffarpur Shri. Nityanand Kislay Deputy Drug Controller Gov of Bihar , Patna Shri. Sujoy Kumar Samanta Chairman , IIChE Patna Regional Centre , Associate Prof, IIT Patna Shri. Abhinandan Kumar Senior Scientist CSIR- CLRI , Kanpur Shri. Sanjeev Kumar Mishra Centre Head FDDI , Patna Shri. C.S.S Rao Joint Director MSME DFO, Muzaffarpur Shri. Atul Kumar Mishra Assist. Director, MSME Development and Facilitation Office , Muzaffarpur	Chief Guest  Shri. Thakar Sunil Indulal IIChE President Chief Patron  Professor (Dr.) Mithilesh Kumar Jha Principal Muzaffarpur Institute of Technology, Muzaffarpur ORGANIZING COMMITTEE <table border="0"><tr><td>Dr. Sanjay Kumar</td><td>Smt. Manisha Kumari</td></tr><tr><td>Shri. S. K. Choudhary</td><td>Md. Asif Ata</td></tr><tr><td>Smt. Arti Kumari</td><td>Smt. Swati Kumari</td></tr><tr><td>Shri. Manikant Kumar</td><td>Shri. Rahul Pankaj</td></tr><tr><td>Dr. Mithlesh Kr. Rai</td><td>Smt. Deepali Mehra</td></tr><tr><td>Md. Ruhul Ain</td><td>Shri. Manish Kr. Bharti</td></tr><tr><td>Dr. Prathibha Kumari</td><td>Shri. Ravi Kumar</td></tr><tr><td>Smt. Ranjpati Kumari</td><td>Shri. Nirmal Kashyap</td></tr></table>	Dr. Sanjay Kumar	Smt. Manisha Kumari	Shri. S. K. Choudhary	Md. Asif Ata	Smt. Arti Kumari	Smt. Swati Kumari	Shri. Manikant Kumar	Shri. Rahul Pankaj	Dr. Mithlesh Kr. Rai	Smt. Deepali Mehra	Md. Ruhul Ain	Shri. Manish Kr. Bharti	Dr. Prathibha Kumari	Shri. Ravi Kumar	Smt. Ranjpati Kumari	Shri. Nirmal Kashyap	 Inauguration of The student chapter of Indian Institute of Chemical Engineers (IIChE) at MIT , MUZAFFARPUR  September 18, 2024 Jointly Organised by : Department of Pharmacy, Chemical Technology (Leather Technology) & Startup cell Muzaffarpur Institute of Technology, Muzaffarpur
Dr. Sanjay Kumar	Smt. Manisha Kumari																	
Shri. S. K. Choudhary	Md. Asif Ata																	
Smt. Arti Kumari	Smt. Swati Kumari																	
Shri. Manikant Kumar	Shri. Rahul Pankaj																	
Dr. Mithlesh Kr. Rai	Smt. Deepali Mehra																	
Md. Ruhul Ain	Shri. Manish Kr. Bharti																	
Dr. Prathibha Kumari	Shri. Ravi Kumar																	
Smt. Ranjpati Kumari	Shri. Nirmal Kashyap																	

The MIT Muzaffarpur campus buzzed with anticipation as history was made—the inauguration of the first-ever student chapter of the Indian Institute of Chemical Engineers (IIChE). Under the banner of academic excellence and professional growth, students, faculty, and industry experts gathered to mark this significant milestone.

Our honored chief guest, **Shri. Thakar Sunil Indulala**, President of IIChE, graced the occasion with his inspiring words. His vision for fostering innovation, collaboration, and ethical engineering resonated deeply with the budding chemical engineers present. As the lamp was lit, symbolizing the illumination of knowledge, it also ignited the passion within each student to contribute to the field.

The IIChE student chapter at MIT Muzaffarpur aims to be a hub of learning, networking, and skill development. Through workshops, seminars, and industry interactions, we aspire to nurture the next generation of chemical engineers who will shape our world. Our heartfelt gratitude goes to the IIChE national body for their unwavering support.

एमआईटी में प्रथम स्टूडेंट चैप्टर की शुरुआत

जागरण संवाददाता, मुजफ्फरपुर : एमआईटी (मुजफ्फरपुर इंस्टीट्यूट ऑफ टेक्नोलॉजी) के फार्मसी एवं केमिकल टेक्नोलॉजी के तत्वाधान में बुधवार को इंडियन इंस्टीट्यूट ऑफ केमिकल इंजीनियर्स कोलकाता एवं लोकल सेंटर अंतर्गत बिहार के प्रथम स्टूडेंट चैप्टर का उद्घाटन किया गया। स्टूडेंट चैप्टर में एमआईटी के 15 छात्रों ने सदस्यता ली। मुख्य अतिथि इंडियन इंस्टीट्यूट ऑफ केमिकल इंजीनियर्स कोलकाता के प्रेसिडेंट ठाकुर सुनील इन्दुलाल ने संस्था की ओर से दी जाने वाली विभिन्न कार्यक्रमों की जानकारी छात्र एवं उपस्थित शिक्षकों को बताया। आईआईटी पटना के केमिकल इंजीनियरिंग के डा. सुजोय कुमार समानता ने एमआईटी द्वारा इंडियन इंस्टीट्यूट ऑफ केमिकल

इंजीनियर्स कोलकाता प्रथम स्टूडेंट चैप्टर की शुरुआत करने की बधाई दी। डिप्टी ड्रग कंट्रोलर नित्यानंद किसलय जो की एमआईटी के पूर्ववर्ती छात्र रह चुके हैं। उन्होंने ने छात्रों को सरकार की सभी योजनाओं के बारे में बताया।

कृषि रसायन के वरिय वैज्ञानिक डा. अभिनन्दन कुमार ने छात्रों को इंस्टीट्यूट घूमने की सलाह देते हुए कहा कि उससे नयी चीजें सीखने की कोशिश करें। ओआरएनएटी लैब्स प्राइवेट लिमिटेड के सीईओ संजीव राय ने बिहार में आशाजनक प्रगति नहीं होने पर खेद प्रकट किया। संस्थान के प्राचार्य डा. मिथलेश कुमार झा ने बताया कि इस उद्घाटन कार्यक्रम में केमिकल टेक्नोलॉजी के 15 छात्रों ने मेम्बरशिप भी ले लिए जो की एक

एमआईटी व आईआईटी पटना के बीच एमओयू, मिलेगा लाभ

जागरण संवाददाता, मुजफ्फरपुर : शिक्षक एवं विद्यार्थियों के विकास के लिए एमआईटी एवं आईआईटी पटना के बीच एमओयू (समझौता ज्ञापन) हुआ है। एमआईटी के प्राचार्य प्रो. एमके झा और आईआईटी पटना के निदेशक प्रो. टीएन सिंह ने पटना में एमओयू पर हस्ताक्षर किए। इसके तहत दोनों संस्थानों के बीच शोध और अकादमिक गतिविधियों में परस्पर सहयोग होगा। इसके अलावा दोनों संस्थानों के शिक्षक और छात्रों के बीच सहयोग भी बढ़ेगा। सेमिनार और कार्यशालाएं,

पुस्तकालयों का बेहतर इस्तेमाल, करिकुलम डेवलपमेंट आदि पर काम हो सकेगा। दोनों संस्थान विद्यार्थियों के इंटर्नशिप और परियोजना प्रशिक्षण, स्टार्टअप एवं रोजगार के अवसर बढ़ाने में एक दूसरे का सहयोग करेंगे। इस मौके पर एमआईटी से डा. लिली झा, डा. अमित कुमार वर्मा एवं आईआईटी पटना के प्रो. एके टाकुर (चीन एकेडमिक एंड एडमिस्ट्रेशन), डा. सुब्रता हैत (चीन पीजी), डा. अमित कुमार वर्मा (विभागाध्यक्ष, सिविल इंजीनियरिंग) आदि मौजूद रहे।

गर्व की बात है। कार्यक्रम में फार्मसी के विभागाध्यक्ष डा संजय कुमार, शिक्षक प्रो. सी.बी. राय, प्रो बर्ड

एन शर्मा, डा. रजनीश कुमार, प्रो मणिष्कांत कुमार, प्रो आरती कुमारी, डा. मनोज कुमार आदि मौजूद थे।



INDIAN INSTITUTE OF CHEMICAL ENGINEERS (IIChE)
STUDENT CHAPTER
Inauguration Ceremony
at
Muzaffarpur Institute of Technology, Muzaffarpur
18 September 2024



Organised by
MUZAFFARPUR INSTITUTE OF TECHNOLOGY,
MUZAFFARPUR
Department of Science, Technology & Technical Education
Government of Bihar, Patna



Interactive Parent-Teacher Session



MIT Muzaffarpur successfully conducted a Parent-Teacher Meeting (PTM) to discuss students' academic progress, attendance, discipline, and career guidance. Principal Prof. (Dr.) M. K. Jha emphasized that active parental involvement is crucial for the holistic development of students.

Departmental Activities

Indian Institute of Chemical Engineers(IIChE)

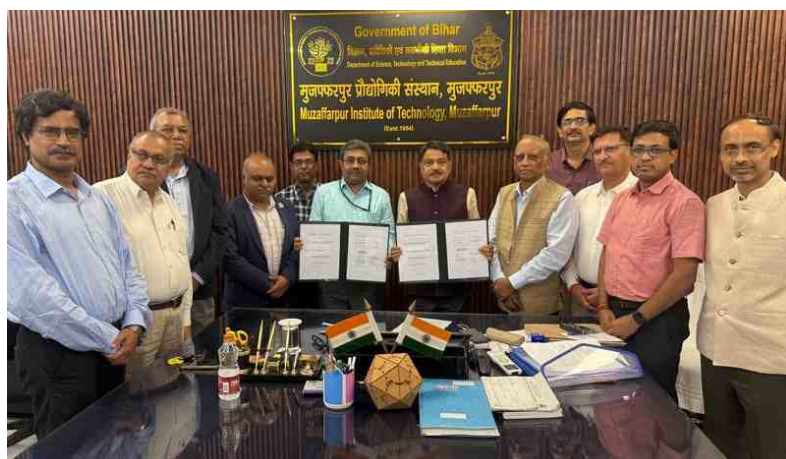


About IIChE Student Chapter

The IIChE Student Chapter is functioning under the guidance of Prof. (Dr.) M.K. Jha, Principal, with active support from Dr. Sanjay Kumar (Associate Professor & Head, Department of Pharmacy) and Dr. Mithlesh Kumar Rai (Assistant Professor, Leather Technology Department)

KEY EVENTS:

- **Expert Lecture**



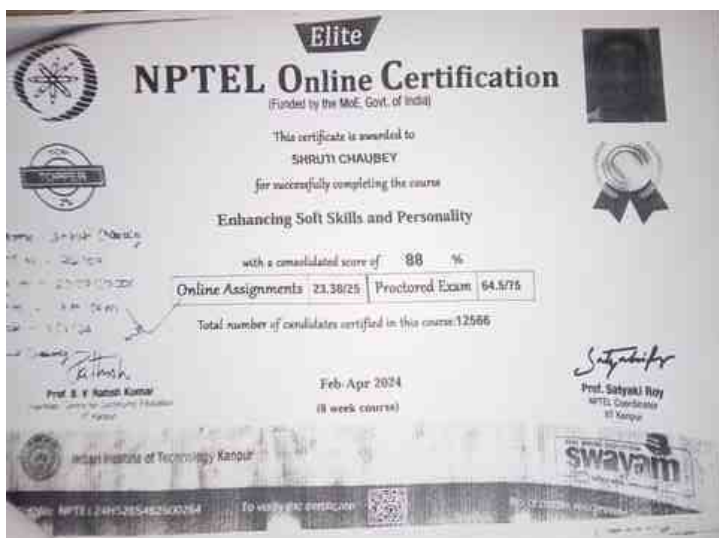
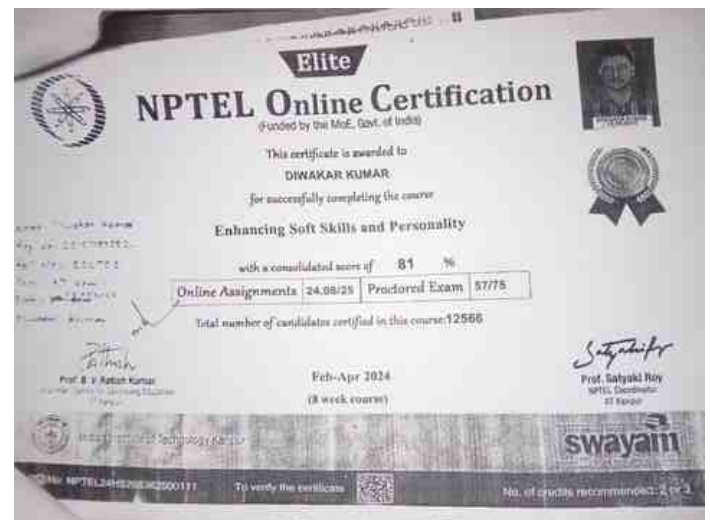
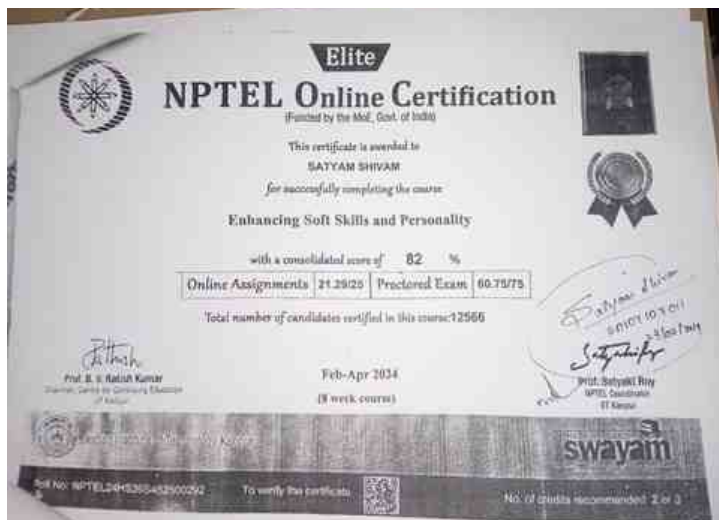
Total 15 students from Leather Technology and Pharmacy department have enrolled as member of IIChE student Chapter.

- *Promoting Interdisciplinary Learning and Professional Development*

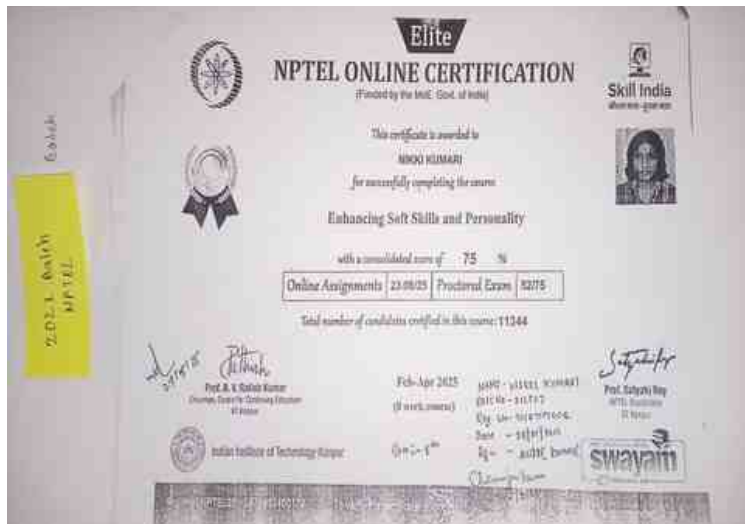
NPTEL & LEARNING

NPTEL (National Programme on Technology Enhanced Learning) courses provided students with an opportunity to enhance their technical and professional skills beyond the regular curriculum. Students from different batches successfully completed courses in areas such as Effect Writing and Soft Skills Development, demonstrating their commitment to continuous learning, skill development, and professional growth.

S. No.	Batch	NPTEL Subjects
1	2023	Enhancing Soft skills and Development
2	2022	Waste to Energy Conversion
3	2021	Enhancing Soft skills and Personality
4	2020	Effective Writing



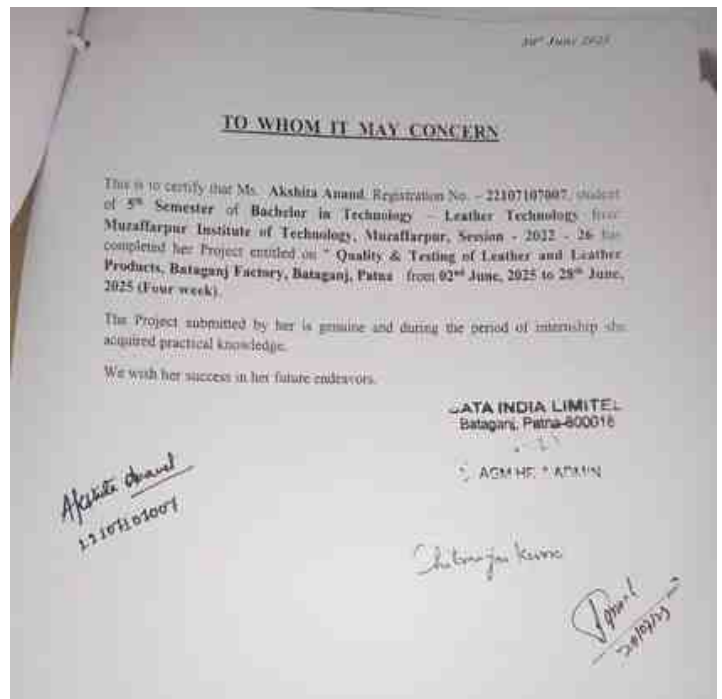
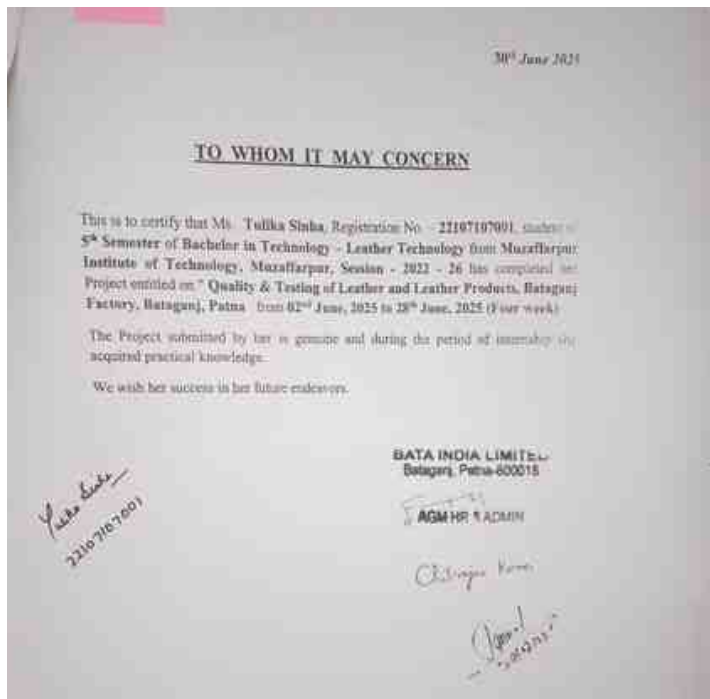
NPTEL & LEARNING



Internship & Industrial Exposure

Internships provided students with valuable practical exposure and an opportunity to apply classroom knowledge in real-world settings. Students gained hands-on experience in leather goods manufacturing, leather processing and finishing, and footwear design and production through internships at organizations such as Swifty Sewa Multi Utility Pvt. Ltd., Dugros Leather India Pvt. Ltd., and FDDI Patna. These experiences helped students develop technical skills, industry awareness, and professional confidence.

S. No.	Batch	Semester During Internship	Organization
1	2022	3rd Sem	Apsom Infotex Ltd. (PROCAM)
2	2022	5th Sem	Bata India Ltd.
3	2021	8th Sem	Apsom Infotex Ltd. (PROCAM)
4	2020	8th Sem	Apsom Infotex Ltd. (PROCAM)



Internship & Industrial Exposure



Student Leadership

S. No.	Name	Leadership Position / Responsibility
1	Md Rahil	Senior Coordinator, MIT Higher Education Club; Manak Mitra Volunteer, Bureau of Indian Standards (BIS)
2	Tulika sinha	Senior Coordinator, Junoon Club
3	Akshita Anand	Senior Coordinator, Junoon Club
4	Kumari Shalu	Senior Coordinator, Moxie Club

Extracurricular & Co-curricular Activities

Students actively participated in a wide range of extracurricular activities, showcasing their talents beyond academics. Their involvement in cultural events, sports, technical activities, clubs, competitions, volunteering, and institute-level programs helped develop leadership, teamwork, creativity, communication, and organizational skills. Such participation reflects the students' holistic development and active contribution to the vibrant campus community.



Extracurricular & Co-curricular Activities



Extracurricular & Co-curricular Activities



Editorial Team



Dr. Mithilesh Kr. Rai
Assistant Professor
Dept. of Leather Technology



Md Rahil
Reg. No. 23107107002
Roll No. 23LT11
Branch: Leather Technology



Sujeet Kumar
Reg. No. 23107107009
Roll No. 23LT12
Branch: Leather Technology