



2023-2024

# Annual Report



# About Indus University

Indus University has been established to make a noteworthy contribution to the social, economic, and cultural life of our country. The founders of Indus University seek to deliver the best quality education to their students. The three pillars on which this University firmly stands are educational wisdom, professional brilliance, and research & innovation, all of which aim to nurture a spirit of entrepreneurship and social responsibility.

## “Knowledge Enlightens the World”

### Vision of the University

- To be an internationally acclaimed university, amongst our country's best universities for Academic Excellence, Professional Relevance, Research & Innovation.
- To seamlessly integrate Indian Values & Global Ethos.
- To foster a culture of educational wisdom, professional brilliance, and research & innovation.
- To nurture a spirit of entrepreneurship and social responsibility.
- To develop a competent, mindful and devoted to the common good.

### Mission of the University

- To offer quality technical and management education to its community members in the best traditions of the creative and innovative teaching-learning process.
- We encompass the philosophy “Where Practice Meets Theory” by ensuring State-of-the-Art infrastructure and attracting talented and qualified human resources.
- Believing in extensive growth, noticeable steps are taken whenever required to prepare students for the commercial industry worldwide.
- To encapsulate, Indus looks forward to meeting the standard global criteria, making a significant impact in academia, research & development.

### Objectives of the University

- To build an environment that fosters the development of brilliant young minds as innovators and entrepreneurs.
- To build an infrastructure that promotes the highest standards of research & innovation.
- To share learning through a simple teaching process IDEA-R – Illustration, Dissection, Exposition, Analysis & Reciprocation.
- To offer courses that further contribute to society and the country's requirements.
- To act as a catalyst between the industry, students, alumni and faculty members, maintaining balance.
- To continue upgrading course curriculum and regular academic auditing processes & procedures to meet skilled human resource requirements.

### Ideology

- High-quality education and a passionate profession make a person a complete professional.
- Keeping this view in mind, Indus University has embarked on an evolved path to provide professional education in diverse disciplines of Engineering, Management, Computer Applications, Architecture, Aviation Technology & Information Technology.
- We ensure that the successful students of these programs translate themselves into professionals.
- Course curriculum related to practice is returned following the theory concerning all the programs offered in the University.



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# Accreditation & Rankings

**Accreditation and rankings play a crucial role in the field of education, acting as valuable benchmarks and providing recognition for educational institutions**

## **National Assessment and Accreditation Council (NAAC)**

Indus University takes immense pride in being accredited by the National Assessment and Accreditation Council (NAAC), an autonomous body established by the University Grants Commission (UGC) to assess and accredit higher education institutions in India. This accreditation reflects the University's excellence across key areas, including curriculum development, teaching and learning, research and innovation, infrastructure, governance, student progression, and institutional values. Indus University remains dedicated to its vision of providing quality education, fostering innovation, and contributing meaningfully to society and humanity at large.

## **Indus University Achieves 4-Star Status in GSIRF Ratings**

Indus University is proud to be awarded a prestigious 4-star status in the Gujarat State Institutional Rating Framework (GSIRF) by the Government of Gujarat. This recognition underscores the University's commitment to excellence in education, research, infrastructure, and student development, aligning with its vision of creating a transformative impact on society.







# **Board of Governors**

## **Chairperson**

Dr. Ritu Bhandari  
President, Indus University

## **Alternate Chairman**

Dr. Nagesh Bhandari  
Associate President, Indus University

## **Vice-Chairman**

Prof. (Dr.) Sandeep Chakravorty  
Executive President, Indus University

## **Members**

Prof. (Dr.) Vedvyas Dwivedi  
Executive Vice President, Indus University

Shri. Parindu Bhagat  
Eminent Industrialist

Dr. Satya Sai K Jillella  
Scientist & Consulting Expert  
(Smart Cities & Mobility)

Shri. Dhruven Shah  
Advocate & Tax Consultant

Shri. Shekhar Vyas  
Director & Founder, MRSP Consultants India

Dr. Jagat Shah  
Advisor, International Business

Principal Secretary  
(Higher & Technical Education)

Ms. Radhika Bhandari.  
Dean of Aviation, Indus University & Director of WIIA

Prof. (Dr.) Seema Verma  
Professor (EC) &  
Additional Project Director (Siemens),  
NITTTR Bhopal

## **Member Secretary**

Dr. R K Singh  
Registrar, Indus University



# **Board of Management**

## **Chairperson**

Dr. Ritu Bhandari  
President, Indus University

## **Co-Chairman**

Dr. Nagesh Bhandari  
Associate President, Indus University

## **Vice-Chairman**

Prof. (Dr.) Sandeep Chakravorty  
Executive President, Indus University

## **Members**

Prof. (Dr.) Vedvyas Dwivedi  
Executive Vice President, Indus University

Dr. Suketu Jani  
Deputy Registrar, Indus University

Dr. Nayana Bhandari  
Advisor, Indus Design School, Indus University

Dr. Pramod Joshi  
Advisor & Consultant, Higher Education

Dr. Ritendra Sharma  
Dean, IISS, Indus University

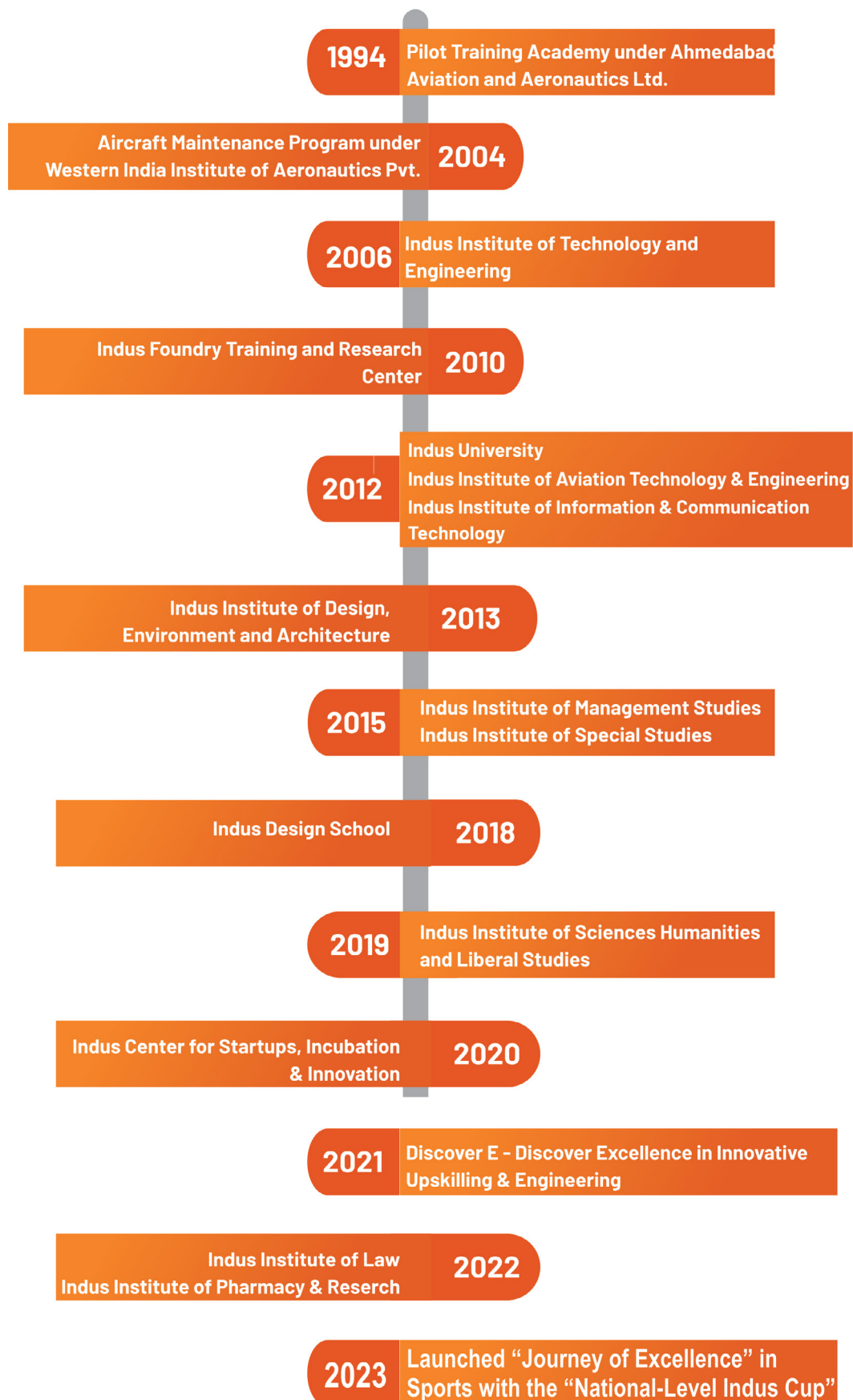
Mr. Amol Bagesar  
Controller of Examination, Indus University

Prof. (Dr.) Seema Verma  
Professor (EC) & Additional Project Director (Siemens), NITTTR Bhopal

## **Member Secretary**

Dr. R. K. Singh  
Registrar, Indus University

# The Journey of Indus





# Constituent Institutes



Indus Institute of Technology and Engineering (IITE) established in the year 2006 with a vision to train and upgrade the technical skill of engineers as per the requirement of the industry. It was a conscious effort to look beyond the theoretical framework, acquire an understanding of the real world and decipher its main concerns.

## **B.Tech**

- Automobile Engineering
- Civil Engineering
- Computer Engineering
- Computer Science Engineering
- Cyber Security
- Electronics & Communication Engineering
- Information & Communication Technology (ICT)
- Information Technology
- Electrical Engineering
- Materials and Metallurgical Engineering
- Mechanical Engineering

## **M.Tech**

- CAD/CAM
- Construction Project Management
- Digital Communication
- Electric Power Systems
- Industrial Metallurgy
- Structural Engineering
- Data Science
- Cyber Security

## **D to D Lateral Admission in B. Tech**



Indus Institute of Management Studies caters to the industry needs of passionate professionals who can adapt to changing market dynamics. University's motto "Where Practice Meets Theory" reflects the teaching process that contains multiple pedagogical and evaluation tools. Seminars, expert sessions, conclaves, and industrial visits are arranged during the course work to improve knowledge about subjects practically.

## **Courses Offered**

- Dual Degree MBA (BBA + MBA)
- Master of Business Administration (MBA 2 years) Regular
- Integrated MBA (4 Years) Regular
- BBA, BBA in Aviation Management
- MBA in Aviation Management
- B.Com. (Honours) with ACCA, UK
- M.Com. (Honours)



Indus Institute of Sciences, Humanities and Liberal Studies (IISHLS) is one of the core centers at the university, which strives to deliver core knowledge of sciences and English language. Six significant departments covered under the umbrella of this institute are mathematics, physics, chemistry, life sciences and languages.

## **Courses Offered**

- Bachelor of Science in Clinical Research, Mathematics, Physics & Chemistry, Microbiology
- Master of Science in Clinical Research, Mathematics, Physics and Chemistry
- PGDMLT, DMLT
- B.A English • M.A. (English, English Language Teaching)



# & Academic Programs



Imparting education at Indus Institute of Design, Environment and Architecture (IIDEA) is considered to be a two-way process involving both teachers and students. Teachers engage with students and endeavor towards finding solutions to complex as well as day-to-day problems linked to human habitation. This approach helps make for a more interactive and experimental model of education. Along with a potent team of innovators and collaborators, IDEA has focused on developing new teaching methodologies and redesigning the curriculum of architecture education in general.

#### **Courses Offered**

- Bachelor of Architecture
- Bachelor of Design



Indus University, since its inception is entrusted to inculcate the importance of ethics and value amongst its students, staff, as well as its stakeholders. The University is very focused on seamlessly integrating Indian traditional values and ethos through various activities as a component of its pursuit of academic excellence. Indus Institute of Special Studies (IISS) is established to achieve this goal. This Institute would also try to understand various facets of society at large such as Art, Culture, History, Philosophy, and Religion in the broad belief that "Knowledge Knows No Geographical Boundaries".

#### **Courses Offered:**

- Bachelor of Liberal Studies (Honours)



Indus Institute of Information and Communication Technology (IICT) provides varied practical approaches for the development of individuals. Master of Computer Application emphasizes on the widespread knowledge of IT, laying a comprehensive and concrete foundation to the basic understanding of each and every facet surrounding it. Its curriculum also enforces on managerial skill development leading to Entrepreneurial understanding.

#### **Courses Offered:**

- Bachelor of Science in Data Science and Computer Science (AI & ML), Cyber Security
- B.Sc. + M.Sc.
- M.Sc.IT
- BCA + MCA
- Master of Computer Application



IIATE provides B.Sc (Honours) in Aircraft Maintenance, which contains academic and practical training by well-qualified and professional trainers. The practical session permits the student to understand the concept skillfully. B.Sc (Honours) in Aircraft Maintenance is a 3 years (6 semesters) full-time undergraduate program. This course trains the students in understanding the concept in terms of technical aspects of aircraft, particularly in Maintenance, Repair and Overhauling, etc. The students are disclosed to work on Actual Operational Aircraft Indamer Aviation, Taj Air & Air works India Engineering facilities.

#### **Courses Offered:**

- B.Sc (Aircraft Maintenance) (Honours) (Avionics and Mechanical)
- B.Tech (Aircraft Maintenance Engineering & Aeronautical Maintenance)



With an aim to add various dimensions in legal education, Indus Institute of Law offers a conducive environment for legal experts of tomorrow. The institute focuses on fostering a supportive atmosphere where students can thrive and prepare themselves for the challenges of a dynamic, global legal landscape. Indus Institute of Law aims to make legal education global by creating a great place for future legal experts.

**Courses Offered:**

- B.A.LL.B.(Hons.) Integrated 5 year
- B.B.A.LL.B.(Hons.) Integrated 5 year
- LL.B.(Hons.) 3 year



Indus Institute of Pharmacy and Research is constituent college of Indus University established in 2022 as the center of excellence in the field of Pharmaceutical education and research to impart effective healthcare societal needs. It offers B.Pharm course to impart quality education and train the stakeholders through state-of-the-art infrastructure. Indus Institute of Pharmacy and Research is committed to develop Pharmacy professionals as responsible citizens of a society with high ethical values.

**Courses Offered:**

- B.Pharm



**INDUS  
UNIVERSITY**



# Indus University

University Level Events and  
Achievements

Memorandums of Understanding (MoUs)

Industry Connect and Placement Services







Throughout the academic year 2023-24, the University and its constituent institutes hosted a series of significant events.

In addition to hosting impactful events, Indus University celebrated several notable achievements during the academic year 2023-24, reflecting its dedication to academic excellence and growth.

## Events and Major Accomplishments Indus University academic year 2023-24



### Book Launch - The Sacred Waters 'of Varanasi, the Colonial Draining and Heritage Ecology by Shri Mahesh Gogate's



The Architecture and Design department of IDEA, and Civil department of IITE in collaboration with Centre for Indic Studies organized a book launch on July 19, 2023. The book titled "The Sacred Waters 'of Varanasi, the Colonial Draining and Heritage Ecology" is a research work of Shri. Mahesh Gogate.



### EVangelise '23," India's largest Electric Vehicle Innovation Challenge



Indus University hosted "EVangelise '23," India's largest Electric Vehicle Innovation Challenge, organized by icreate -the Center for Entrepreneurship and Technology on August 4, 2023. The event aimed to raise awareness among students about innovation in Electric Vehicles and was supported by the Government of Gujarat and the Government of India. Over 150 participants attended.



**Event Coordinators:**  
Dr. Ketan Lakhtaria, Dean - Student Affairs Committee  
Dr. Akshara Dave- Faculty Coordinator, ACSIT





## Celebration of 77th Independence Day at Indus University



Indus University commemorated India's 77th Independence Day by celebrating the occasion with utmost pride and patriotism on August 15, 2023. With utmost honour and dignity, Chief Guest, Dr. Sandeep Chakravorty, Honourable Executive President of Indus University hoisted our National Flag, which was followed by the NCC Nirikshan, NCC Parade and National Anthem. Dr. Sandeep Chakravorty, Honourable Executive President of Indus University, highlighted the university's recent advancements, achievements, and new benchmarks in excellence. Tribute was paid by bestowing a garland of flowers to Bharat Mata by all Indus Pariwar.





## 🏡 Suraksha Setu” Initiative 🏡

Miss Radhika Bhandari, Dean of Aviation & Director of WIIA had a meeting with Shri Anil Pratham, IPS, DGP (Police Reforms) at Gandhinagar, discussed the dynamic partnership between Indus University and Gujarat Police for the “Suraksha Setu” initiative on August 24, 2023. This initiative aims to foster women’s empowerment, enhance general awareness, and build the capacities of our youth



## 🏡 Student Innovation Fest 2023 🏡 (a series of enlightening expert sessions)

Indus University, a knowledge partner for SIF 2023, hosted 7 sessions on Research & Innovation on August 10. This collaboration emphasizes the commitment to education and innovation, while the recognition underscores the event’s significance in nurturing curiosity and learning.

At the Student Innovation Fest in Indus University, experts talked about lots of stuff like Fractals, Nanomaterials, Artificial Intelligence, Rural Development, Business Effectiveness, Intellectual Property, and Drone Tech.





## World Record Certificate

On August 12, 2023, INDUS University was honored with a world record certificate at IIT Gandhinagar, by Chief Minister Shri Bhupendrabhai Patel for the Science & Innovation Expert Talk Series. This event, part of the Student Innovation Fest 2023, featured an astounding 337 expert sessions in a single day, engaging over 35,000 students.

## "Ksudhapoorti" (Food donation Drive)

On August 15, 2023, the Rotaract Club of Indus University (RCIU) marked a momentous occasion known as "KSHUDHAPOORTI Brimming with satisfaction and a profound sense of purpose, the RCIU joyously commemorated the successful realization of their mission: Bringing forth 500 smiles through acts of service and fostering the distribution of an equivalent number of nourishing meals.



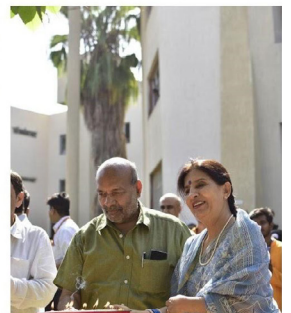
## Gokulashtami 2023

The Janmashtami celebration organized by AIMS at Indus Institute featured a Matka Decoration Competition, Aarti with dignitaries, music performances, dance acts, a Dahi Handi Competition, and ended with Garba.



Gokulashtami

4th September  
2023:







## Best Academic Institution Award



Indus University has been honored with the prestigious Best Academic Institution Award in the category of “EDUCATION LEADERSHIP AWARDS 2023, Gujarat” by the World Education Congress.



## Session on Discover and Engage : Unveiling the Core Objectives of Suraksha Setu Society (An Initiative by Government of Gujarat):



On September 6, 2023, an engaging & enlightening session was held at Indus University in collaboration with Western India Institute of Aeronautics Pvt. Ltd. (WIIA), Rancharda, Ahmedabad, Gujarat, featuring Director General of Police (Police Reforms) Shree Anil Pratham, IPS..It focused on the Suraksha Setu Society initiative by Gujarat Police, which aimed to bridge the gap between the Gujarat Police and the citizens of the state, contributing to a safer and more harmonious society. Director General of Police (Police Reforms) Shri Anil Pratham, IPS elaborated on the importance of this initiative and its role in fostering a stronger bond between law enforcement agencies and the people they serve. The session shed light on the collaborative efforts required to build a safer and more secure state and society.

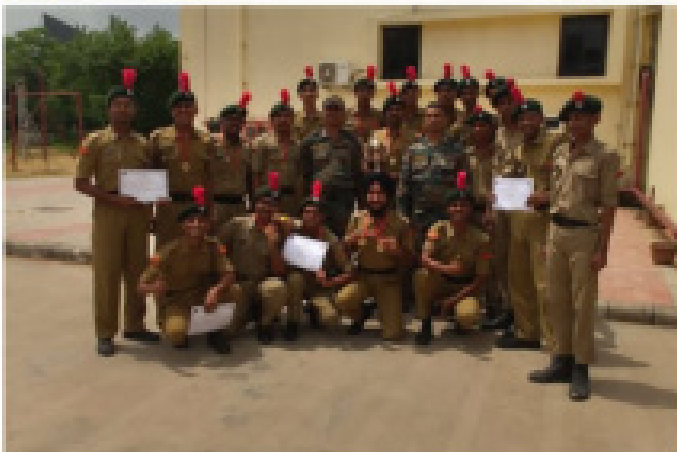




## Achievement of National Cadet Corps (NCC)



Indus University has long supported the National Cadet Corps (NCC), fostering the growth of our cadets. Recently, 25 students participated in a 10-day NCC camp, excelling in drill, firing, cultural performances, Field Craft (FC), and Battle Craft (BC). Their exceptional dedication earned them first-place wins in Firing, FC, BC, and the cultural program, along with 17 medals and trophies—an outstanding achievement.





## Expert session on “Bharat Ka Bhavi Bhavishya”

Indus University organized an expert session on the topic “Bharat Ka Bhavi Bhavishya” by Ms. Kajal Hindustani on the September 12, 2023. Ms. Kajal Hindustani shared profound insights on India’s economic growth, technological advancements, and the imperative for social development. Her expertise illuminated potential pathways for India’s future progress, leaving the audience with a deeper understanding of the nation’s impending journey.



INDUS UNIVERSITY  
Where Practice Meets Theory

NAAC  
B++  
GRADE

WIIA

# भारत का भावी भविष्य

**काजल हिंदुस्थानी**  
सामाजिक कार्यकर्ता

Date: 12<sup>th</sup> September, 2023 Tuesday

Time: 11.00 A.M. Venue: Auditorium, Main Building

indusuni.ac.in







## Engineers' Day Celebration



The Indus Institute of Technology and Engineering (IITE), Indus University, celebrated the 56th Engineers' Day on September 15, 2023, in collaboration with WFEO, IEI, and WMF. The event featured Chief Guest Shri Nilesh Desai, Director-SAC at ISRO, who shared insights on the Chandrayaan-3 Mission, and Guest of Honor Er. Bharat S. Patel, Chairman of Yudziz Solutions Ltd. Keynote Speaker Mr. Niraj Shah, an expert in Automation and Robotics, enriched the event with his expertise. Highlights included an exhibition of engineering models in AICTE thrust areas like 3D Printing, IoT, and Automation, along with 44 posters on Water Management and a Water Quality Van demonstration. Industry leaders like WoL-3D, Green Field Control Systems, and Proji Systems also showcased their innovative projects.



**56<sup>th</sup> Engineers' Day**  
Engineering Innovation for a More Resilient World

**Chief Guest**  
**Shri. Nilesh M. Desai**  
Distinguished Scientist & Director, Space Applications Centre (SAC) ISRO, Ahmedabad

**Guest of Honor**  
**Er. Bharat S. Patel**  
Founder, Chairman and Director Yudziz Solutions Ltd Director at Petaus Hatcher Private Limited

**Key Note Speaker**  
**Er. Niraj Shah**  
Automation & Robotics Engineer Entrepreneur, Academician, Mentor Owner, Arhami Satellite

September 15, 2023 | 10 A.M. Onwards | Auditorium, Indus University

**Industry Collaborators**

**WOL 3D**  
World of Lilliputs (Wol-3D) - Mumbai

**greenfield**  
Green Field Control Systems - Gandhinagar

**Proji Systems and Technology** - Ahmedabad

**International Auto Centre of Excellence (IACE)**

**Organizing Committee**

Chairman: Prof. (Dr.) Ishbir Singh Director (IITE) Indus University

Convener(s): Dr. Vrushank Shah HOD (ECE/EC) IITE, Indus University

Dr. Vineeta Chauhan Asst. Prof., EL, IITE, Indus University

Ms. Miloni Ganatra Asst. Prof., EC, IITE, Indus University



## Expert Session on "Indian Judiciary"



Indus University hosted an enlightening Expert Talk on "Indian Judiciary" featuring Shri. Ajeet Bharti-Journalist & Well-known Author on September 18, 2023. Shri. Ajeet Bharti, renowned for his incisive analysis and in-depth understanding of India's legal system, delivered an engaging and informative presentation. The session aimed to shed light on the intricacies of the Indian judiciary, its role in the country's governance, and its impact on the lives of citizens.





## Ganesh Chaturthi Celebration at Indus University



On the auspicious occasion of Ganesh Chaturthi, the students at Indus University celebrated together the festival with great enthusiasm and devotion. Students at Indus University celebrated Ganesh Chaturthi on September 19, 2023 with a grand “Ganesh Sthapna” at University on campus. The campus was adorned with vibrant decorations, and a beautifully crafted clay idol of Lord Ganesha.





## 🏡 Swachhata Abhiyan 🏡

The Eco Club of Indus University organized the Swachhata Abhiyan on October 6, 2023, with the tagline “एक कदम स्वच्छता की ओर”. The event aimed to carry out a campus cleaning drive and included a pledge to dedicate 100 hours of Sharmdan towards helping make the vision of a Swachh Bharat reality). During the drive, participants visited various open areas and classrooms across the campus, collecting waste to keep the premises clean.



## 🏡 Expert Session on "The Synergy of Self Confidence, Self Awareness, and Personality Development" 🏡

Indus Institute of Technology & Engineering and WIIA jointly organized an Expert Session on “The Synergy of Self Confidence, Self Awareness, and Personality Development” held on October 07, 2023 at Indus University. Distinguished Guest Speaker Col. KS Kondal, with his remarkable 32-year career in the Indian Army and expertise in academia and cybersecurity, delivered an inspiring speech that underscored the importance of self-confidence and self-awareness in personal and professional growth.







## AutoFest - A spectacular Car and Bike Meetup



On October 08, 2023, the Department of Automobile Engineering, in partnership with M/s. DV Automobile, orchestrated the highly-anticipated Indus University AutoFest, a spectacular Car and Bike Meetup that featured an astounding lineup of over 35 cars and 40 bikes. The event attracted a remarkable crowd, with over 500 attendees, all gathered to explore and celebrate the diverse and fascinating world of automobiles.



## Blood Donation Camp



On October 10, 2023, the Student Activity Cell, Indus University in collaboration with Civil Hospital, organized a successful Blood Donation Camp, reflecting the university's core principles and ethics. Remarkable participation was witnessed, with 300 units of blood generously donated by students, staff and faculty members. Additionally, 336 Thalassemia Tests were conducted. Indus University was recognized by Prathama Blood Centre during the "Blood Donation Drive Organisers' Felicitation Program" held on December 02, 2023.





## Achievement of Miss Radhika Bhandari, the Dean of Aviation and Director of WIIA



Miss Radhika Bhandari, the Dean of Aviation and Director of WIIA, has been invited to join as an Industry Mentor for the Innovation Challenge launched in partnership with the Gujarat Police Department and the Government of Gujarat. An appreciation letter from the Director General of Police (Police Reforms) to Miss Radhika Bhandari, Dean of Aviation and Director of WIIA, highlights the impactful collaboration between Gujarat Police, Indus University, and WIIA. Through initiatives like the “Suraksha Setu Society” and the Gujarat Police Reforms Open Innovation Challenge, the partnership promotes innovative solutions, community policing, and enhanced safety measures, showcasing Miss Radhika Bhandari’s commendable commitment to fostering trust and security in Gujarat.



Director General of Police  
(Police Reforms)  
1<sup>st</sup> Floor, Police Bhavan,  
Gandhinagar, Gujarat  
(O): 079-23254276 (FAX) : 079-23246329

No: PA/DGP (PR)/2023/ 44 4

Date: 31/10/2023

To  
Miss. Radhika Bhandari  
Dean - Aviation, Indus University & Director,  
Western India Institute of Aeronautics Pvt. LTD  
Indus University, Rancharda, Ahmedabad, Gujarat -382115

Dear Radhika Bhandari ji,

I am writing to express my heartfelt appreciation on behalf of the Gujarat Police for the collaboration between Gujarat Police, Indus University, and Western India Institute of Aeronautics Pvt. LTD (WIIA). This partnership signifies a significant milestone in our ongoing efforts to ensure the safety and security of our communities, and I am confident it will foster a closer, more effective relationship between our organizations.

The joint initiative of the Suraksha Setu Society, wherein the Gujarat Police collaborates with educational institutions and other stakeholders, plays a pivotal role in enhancing the safety and well-being of the people in our state. We believe in the power of education and community engagement to create a safer and more secure environment for our citizens. Your willingness to collaborate in this endeavour demonstrates your commitment to this shared mission.

I am especially pleased to note that our collaboration extends beyond the Suraksha Setu Society. Your active involvement in the Gujarat Police Reforms Open Innovation Challenge 2023-24 is a demonstration of your dedication to finding innovative solutions to the challenges we face in law enforcement. We believe that the synergy between our organizations will lead to creative and impactful solutions that will benefit not only the police force but also the community at large.

Furthermore, I am excited about the prospect of working together on various awareness programs related to community policing. The role of educational institutions and organizations like yours in spreading awareness and promoting community engagement cannot be overstated. It is through these initiatives that we aim to bridge the gap between law enforcement agencies and the community they serve, fostering mutual trust and understanding.

In conclusion, I want to convey my deep appreciation for your commitment to the safety and security of the people of Gujarat. This collaboration marks the beginning of a promising journey, and I look forward to the remarkable outcomes that we can achieve together. The collective efforts of Gujarat Police, Indus University, and WIIA will undoubtedly leave a lasting and positive impact on the communities we serve.

Please accept my sincere gratitude for your support, and I eagerly anticipate our collective achievements in the days to come. Together, we can make Gujarat a safer and more secure place for all.

(Anil Pratham)  
Director General of Police  
Police Reforms  
Gujarat State, Gandhinagar

### GUJARAT POLICE REFORMS OPEN INNOVATION CHALLENGE 2023-24



Startup Opportunities with  
**SURAKSHA SETU SOCIETY**  
Police Reforms, Community Policing  
Government of Gujarat



SHRI ANIL PRATHAM - IPS  
(DGP, Police Reform, Government of Gujarat)

Industry Mentor



RADHIKA BHANDARI  
(Dean - Aviation, Indus University & Director, WIIA)



## Muskan Melo



The members of Rotaract Club of Indus University visited “Jivan Sandhya” an old age home on October 12, 2023. The “Muskan Melo” event left Muskans and warmth on their faces, making them more beautiful. This dedication and hard work has made this heartwarming celebration a great success. Together, Rotaract Club of Indus University spread muskan, laughter, and companionship, bridging generations with warmth and love.







## Rass Rang 2023 (Navratri Celebration)



The Student Activity Cell organized RassRang 2023 on October 16, 2023 bringing together 3000+ members of the Indus family for a vibrant Garba night. With Maha Aarti, traditional songs by Archit Patadia, and prizes for best performances, the event was a joyful Navratri celebration.







**October**  
**Monday 16 6:30 P.M**  
**Venue : Indus University**  
Organised by :- Student Activity Cell



## 🏠 Vocal for Local Exhibition 🏠

Indus University, WIIA & Indus Student Activity Cell hosted “Vocal for Local Exhibition” at Indus University on November 7, 2023. This event celebrated the incredible talents of our students, faculty and local artists, showcasing a wide range of handmade and unique items like canvas art, stickers, handmade torans, Subh Labh hangings, Rangoli, resin articles, customized t-shirts, delicious cookies ,chocolates, food items.



## 🏠 The Electronics and Communication Department received a fully funded Anaechoic Chamber from JV Micronics 🏠

The Electronics and Communication Department received a fully funded Anaechoic Chamber from JV Micronics, Haryana, a distinguished RF and Antenna manufacturer in India under the banner of IEEE MAPCON on November 14, 2023.. This momentous step accelerates Indus University’s lab development for establishing an Antenna Testing and Measurement ecosystem in Western India.







**Achievement of  
Dr. Nagesh Bhandari,  
Hon'ble Presidential Secretariat, - Indus University &  
Miss Radhika Bhandari,  
the Dean of Aviation and Director of WIIA**

Dr. Nagesh Bhandari, Hon'ble Presidential Secretariat, was invited as an expert panelist at the Education Summit organized by Collegedunia in New Delhi on November 24, 2023. During the summit, He eloquently discussed the Indian Knowledge System, providing insightful glimpses into this vital aspect of our educational landscape. His insight provided a rich understanding of this integral aspect of our educational landscape, enriching the summit's discussions and offering valuable perspectives to all attendees.

Miss Radhika Bhandari, Dean of Aviation and Director of WIIA, was invited as one of the expert panelists at the Education Summit organized by Collegedunia in New Delhi on November 24, 2023. During the summit, she shared valuable insights on the changing landscape of Aviation and Skill Development. She also emphasized the importance of learning new skills that are essential for the changing needs of the industry.





**Dr. Nagesh Bhandari, Hon'ble Presidential Secretariat  
Honored with 'Outstanding Leadership Award' during the  
Collegedunia Education Summit 3.0:**



Dr. Nagesh Bhandari, honorable Presidential Secretariat of Indus University, was honored with the "Outstanding Leadership Award" during the Collegedunia Education Summit 3.0





## 🏛️ National Pharmacy Week 🏛️

Indus Institute of Pharmacy and Research celebrated National Pharmacy Week from November 23-25, 2023, in collaboration with the Indian Pharmaceutical Association, Gujarat State Branch. The event featured Mr. Darshan Doshi, Deputy GM of Regulatory Affairs at Zydus Life Science, as Chief Guest, and Mr. Chintan Shah, Manager at Piramal Healthcare, as Guest of Honor. Dr. Jitendra Patel, GM of F&D at Zydus Healthcare, inspired students to live stress-free lives. The celebration included competitions like Quiz, Elocution, and Debate, fostering learning and engagement.





**Indus Institute of Pharmacy and Research (IIPR)**  
in Association with  
**Indian Pharmaceutical Association (IPA) Gujarat State Branch**  
Organises  
**"National Pharmacy Week 2023"**  
23-25 November 2023

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**Chief Patrons**

**Dr. Nagesh Bhandari**  
Presidential Secretariat  
Indus University

**Dr. Ritu Bhandari**  
Presidential Secretariat  
Indus University

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**Events**  
Debate, Elocution, Pharma-Quiz,  
One Min Games



**23-11-2023**  
10-00 AM Onwards



**24-11-2023**  
2-30 PM Onwards

**Chief Guest Inaugural Function**  
**Mr. Darshan Doshi**  
Deputy GM, RA  
Zydus Healthcare Ltd. Ahmedabad

**Expert talk**  
**Mr. Jitendra Patel**  
Teacher- Art of Living and  
Manager in F & D department  
Zydus life sciences Ltd. Ahmedabad

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**Patrons**

**Prof. (Dr.) Sandeep Chakravorty**  
Executive President  
Indus University

**Prof. (Dr.) Vedvyas Dwivedi**  
Executive Vice President  
Indus University

**Dr. R. K. Singh**  
Registrar  
Indus University

**Principal and Chairman**  
**Dr. Falguni Tandel**  
IIPR

**Coordinator**  
**Dr. HIRAK JOSHI**  
Professor, IIPR



## 🏛️ Woolen Clothes Donation Drive 🏛️

The Women Development Cell had organized a Woolen Clothes Donation Drive called "Make a Donation" to help those in need. Such events not only contributed to the welfare of the individuals requiring support but also fostered a sense of community and social responsibility.







## Expert Session by Shri Ashwini Upadhyay Ji on the Theme “एक भारत, श्रेष्ठ भारत” (One India, Best India)



On December 16, 2023, Shri Ashwini Upadhyay, a distinguished Supreme Court Advocate and a Man of Public Interest Litigation (PIL), graced his enlightening session at Indus University. His discourse captivated the audience, comprising university staff, students, and faculties. During the session, Shri Upadhyay Ji shared profound insights into the necessary reforms and the implementation of laws within the Indian judiciary, delving into its intricate functioning.



## NSS-National Service Scheme grant approval of Rs.1 Lakh for Indus University



Dr. Hirak Joshi, Professor, IIPR has successfully brought the NSS-National Service Scheme grant approval of Rs.1 Lakh for Indus University. It provides opportunity to student youth of Technical Institution, Graduate & Post Graduate at colleges and University level of India to take part in various government led community service activities & programmes. The sole aim of the NSS is to provide hands on experience to young students in delivering community service



## Indus University received a World Record Certificate



Miss Radhika Bhandari, Dean of Aviation and Director of WIIA, has been invited to witness the Young India Annual Day celebration in December 2023. Young India, a prominent wing of CII (Confederation of Indian Industries) dedicated to nation-building and youth convergence, has recognized her remarkable contributions. In acknowledgment of her outstanding efforts, she has been awarded a certificate of appreciation for her significant role in the Young India Ahmedabad chapter



## Certificate of appreciation for her significant role in the Young India Ahmedabad Chapter Miss Radhika Bhandari, Dean of Aviation and Director of WIIA



On December 16, 2023, Shri Ashwini Upadhyay, a distinguished Supreme Court Advocate and a Man of Public Interest Litigation (PIL), graced his enlightening session at Indus University. His discourse captivated the audience, comprising university staff, students, and faculties. During the session, Shri Upadhyay Ji shared profound insights into the necessary reforms and the implementation of laws within the Indian judiciary, delving into its intricate functioning.







## Indus Design School - Design Expo - November 2023



Indus Design School organized the Design Expo, a collective exhibition that brought together various departments of IDS to commemorate the students' endeavours throughout the semester. The event served as a comprehensive showcase, highlighting the collaborative achievements of students from different disciplines within IDS. Held on 28th and 29th of November 2023, this event served as an achievement to the department's commitment to fostering creativity and innovation within our student body.



## ICSII-Indus Center for Startups, Incubation & Innovation at StartUp Conclave 2023



Indus University was a part of StartUp Conclave 2023 held at Helipad Exhibition Arena, Gandhinagar between December 6 and 10, 2023. Indus Center for Startups, Incubation & Innovation University proudly announces the recognitions and commendations of Shri. Rajeev Chandrashekhar, the Honourable Minister of Skill Development & Entrepreneurship, Electronics & Information Technology, India, and Shri. Bhupendrabhai Patel, the Chief Minister of Gujarat, at the StartUp Conclave 2023.











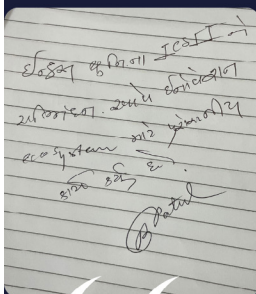






**"I congratulate Indus University's ICSII for putting up a great show at StartUp Conclave 2023"**

-Shri. Rajeev Chandrashekhar,  
Honourable Minister of Skill Development & Entrepreneurship,  
Electronics and Information Technology, India



**ઇન્ડસ યુનિવર્સિટીના ICSII ને અભિનંદન. તમે ઇનોવેશન ઇકોસિસ્ટમ માટે પ્રશંસનીય કાર્ય કર્યું છે.**

-Shri. Bhupendrabhai Patel  
Chief Minister,  
Gujarat



## 🏡 Vibrant Gujarat Global Summit 2024 🏡

Dr. Sandeep Chakraborty, Honourable Vice-Chancellor, and Dr. Suketu Jani, Deputy Registrar, had the privilege of attending the inauguration of the Vibrant Gujarat Global Trade Show 2024 in Gandhinagar. They also discussed the evolving landscape of skills and explored collaboration opportunities that could shape the future positively.



## 🏡 10th Vibrant Gujarat Global Summit 2024: Indus University Students Volunteer with CII-Confederation of Indian Industry 🏡

Indus University students, as part of Yi Yuva, will volunteer with CII at the 10th Vibrant Gujarat Global Summit from January 10-12, 2024, in Gandhinagar, supporting thematic seminars, country sessions, and B2B/B2G meetings.



## 🏡 Divine Celebration 🏡

On January 22, 2024, Indus University celebrated with prayers, speeches by dignitaries, a keynote by Chief Guest Shri Praveen Mohan, Hanuman Chalisa chanting, and a live telecast of the Ram Mandir ceremony. The event concluded with a Ramayan-themed Nukkad Natak, fireworks, and Aarti of Lord Rama.



## Indus University Sports Cup 2024

The role of sports is very important in bringing many positive changes in the lives of youth and with this objective, Indus University Sports Cup-2024 (IU CUP-2024) started with a Grand Opening Ceremony in the campus of Indus University, Ahmedabad on January 8, 2024. Dr. Arjun Singh Rana, Vice Chancellor of Swarnim Gujarat Sports University and former physio of the Indian cricket team was present as the Chief Guest at the Inauguration Function of Indus University Sports Cup-2024. A total of 75 Teams including both boys and girls with 355 players, representing different states all over the country enthusiastically participated to become a winner in 6 competitions namely Basketball, Volleyball, Kabaddi, Chess, Carrom and Table-Tennis in the Indus University Sports Cup-2024.



## ગુજરાત મેદાન ઈન્ડિયન યુનિવર્સિટી સ્પોર્ટ્સ કપ-2024ની ઉદ્ઘાટન સમારોહથી શાનદાર શરુઆત

ગુજરાત મેદાન • અમદાવાદ

ઉદ્ઘાટન સમારોહમાં મુખ્ય અતિથી તરીકે સ્વર્ણિમ ગુજરાત સ્પોર્ટ્સ યુનિવર્સિટીના વાઈસચાન્સેલર અને ભારતીય ક્રિકેટ ટીમના ફીજીયો તરીકે ફરજ અદા કરી ચૂકેલ ડૉ.અર્જુનસિંહ રાણા ઉપસ્થિત રહ્યા હતા. અમદાવાદ, ૦૮ જાન્યુઆરી, ૨૦૨૪ યુવાઓના જીવનમાં અનેક પ્રકારના હકારાત્મક બદલાવોમાં સ્પોર્ટ્સની ભૂમિકા ખૂબ જ મહત્વપૂર્ણ હોય છે અને આ હેતુસર જ અમદાવાદ સ્થિત ઈન્ડિયન યુનિવર્સિટીના



અતિથી તરીકે સ્વર્ણિમ . ગુજરાત સ્પોર્ટ્સ યુનિવર્સિટીના વાઈસચાન્સેલર અને ભારતીય

સાથે સાથે આ સમારોહમાં ઈન્ડિયન યુનિવર્સિટીના પ્રેસિડેન્ટ સેક્રેટરીએટ ડૉ.

યુનિવર્સિટી સ્પોર્ટ્સ કપ-૨૦૨૪માં પુરા દેશમાંથી બોક્સ અને ગર્લ્સ બન્ને મળીને



## 🏛️ 75th Republic Day Celebration 🏛️

On January 26, 2024, Indus University celebrated India's 75th Republic Day with pride and patriotism. Chief Guest Dr. Nagesh Bhandari, Honorable Presidential Secretariat hoisted the National Flag, followed by the NCC parade, National Anthem, and inspiring speeches by Dr. Nagesh Bhandari-Honorable Presidential Secretariat and Prof. (Dr.) Sandeep Chakravorty-Honorable Executive President. Tributes to Bharat Mata, cultural performances, and the National Song emphasized unity and patriotism. The Rotaract Club's "Patriot on Wheels 2.0" Republic Day ride, a 140-km trip to Mahudi, added adventure to the celebrations.



## 🏛️ Indus Techno Freaks 2024 🏛️

On January 19, 2024, the Department of Computer Science at Indus University, in collaboration with ACSIT, hosted Indus Techno Freaks 2024. The techfest featured four technical and five non-technical games, attracting over 300 participants from various institutions, fostering collaboration and innovation.





## 🏛️ The Ph.D. Orientation Program: January – 2024 🏛️

The Ph.D. Orientation Program for the January - 2024 batch at Indus University, held on January 27, 2024, was a resounding success. The primary aim of the program was to provide valuable guidance to the new Ph.D. scholars. The orientation program was designed with the objective of setting a strong foundation for the scholars' Ph.D. pursuits and fostering a culture of impactful and ethical research at Indus University.



## 🏛️ World Record for the Largest CYNOTYPE PRINT 🏛️

On January 21, 2024, at the Indus University campus, our talented students of Indus Design School (IDS) attempted to set a world record for the largest CYNOTYPE PRINT using an impressive 306-square-meter canvas! This remarkable feat is a testament to the creativity, dedication, and collaborative spirit of the Indus Design School.







## Collaboration of Indus University & Arsha Vidya Samajam



Dr. Nagesh Bhandari, Honorable Presidential Secretariat of Indus University, was approached by Arsha Vidya Samajam, an organization promoting Sanatan Dharma and campaigning against conversion. The organization, which recently visited the university with RSS pracharaks, praised Indus University's efforts in Indian Knowledge Systems. Notably, the girls featured in the movie Kerala Files, who were initially converted but later returned to Sanatan Dharma, are associated with Arsha Vidya Samajam.



## Prof.(Dr.) Sandeep Chakravorty, Honorable Executive President as an 'Eminent Speaker' to ArdorComm Media's "NEW NORMAL- EDUCATION LEADERSHIP SUMMIT & AWARDS 2024"



Prof.(Dr.) Sandeep Chakravorty, Honorable Executive President of Indus University Ahmedabad, was invited as an 'Eminent Speaker' to ArdorComm Media's "NEW NORMAL- EDUCATION LEADERSHIP SUMMIT & AWARDS 2024" at Crown Plaza Ahmedabad City Centre on February 10, 2024. He spoke on the topic of "How The New Age Technologies Like AI, ML, IoT are changing India's Education landscape?" along with other dignitaries from higher education and industry experts.





## Miss Radhika Bhandari, Dean, Aviation and Director WIIA, delivers remarks at Indus University's Chhatrapati Shivaji Maharaj Tribute Event



Miss Radhika Bhandari, Dean Aviation and Director WIIA, was invited by ABVP to address the large gathering of Indus University students on the occasion of Chhatrapati Shivaji Maharaj Birth Anniversary.



## Expert Session on Sustainable Living - Caring for Climate



On February 27, 2024, Indus University hosted an expert session titled "Sustainable Living - Caring for Climate," featuring Miss Aarya Chavda, the youngest Indian to represent UNESCO at ages 9 and 12. As an author, speaker, and environmental advocate, she delivered an inspiring keynote on the importance of sustainable living and caring for the climate, highlighting the impact of passion and determination.







## 8th Convocation of Indus University



The 8th Convocation of Indus University took place on February 29, 2024, with Diamond Tycoon and MP, Shree Govind Dholakia, as the Chief Guest. He inspired over 900 graduating students and 22 Ph.D. recipients with a powerful message about their future roles as leaders and innovators.

Two honorary Ph.D. degrees were awarded to Mr. Erdem Arioglu, a renowned civil engineer from Turkey, and social worker Smt. Indumati Katdare

### Details of Convocation Awardees

Programme	Number of Degrees Awarded
Undergraduate	751
Postgraduate	192
Doctoral	19
Honorary Doctorate	2
Total	964









## Indus Alumni Meet 2024

The Indus Alumni Meet 2024, held on March 2, 2024, celebrated the achievements of alumni, faculty, and staff. The highlight was the Alumni Awards 2024, recognizing outstanding alumni in entrepreneurship, innovation, and professional excellence. Mr. Dhruv Patel received the Entrepreneur, Business, and Innovation Award, while Dr. Nil Patel was honored with the Professional Achievement Award. Both received a plaque and a cash prize of Rs. 75,000. The event also inducted the second governing council of the Indus Alumni Association, with Mr. Munjal Mehta, President, encouraging alumni engagement.







## International Women's Day Celebration



On March 2, 2024, Indus University's Women Development Cell celebrated International Women's Day with a series of empowering activities. The event featured an expert session on "Gender Sensitisation and Violence against Women: Legal Protection in India," led by Dr. Niyati Pandey. Additional activities included a gift exchange, podcast screening, and the "Walk the Ramp towards Empowerment" event. The day concluded with a group discussion on women's rights and creating a more inclusive society.





## 🏛️ Young India Orientation 🏛️

Indus University organized a Young India Orientation Event on March 1, 2024, attended by dignitaries including Ms. Rishita Parik, Mr. Nishit Shah, Mr. Rohan Shah, and Mr. Pratik Shah. The event began with a welcome address by Dr. Suketu Jani-Deputy Registrar of Indus University, followed by Mr. Rohan Shah's briefing on Young India's initiatives. Ms. Rishita Parik encouraged student participation and appointed Jay Birla and Shrey Doshi as Chair and Co-Chair. Mr. Pratik Shah spoke on work-life balance and entrepreneurship.



## 🏛️ Session on Youth Awareness Regarding Voting by District Election Commission 2024 🏛️

On March 2, 2024, Indus University's Women Development Cell celebrated International Women's Day with a series of empowering activities. The event featured an expert session on "Gender Sensitisation and Violence against Women: Legal Protection in India," led by Dr. Niyati Pandey. Additional activities included a gift exchange, podcast screening, and the "Walk the Ramp towards Empowerment" event. The day concluded with a group discussion on women's rights and creating a more inclusive society.



## 🏛️ Indus University Achieves Second Rank in Gujarat for Online Course Outreach 🏛️

Indus University has achieved a significant milestone! According to the official records of the Ministry of Education, Government of India, Indus University has secured the second position in Gujarat for the outreach of our online courses. This remarkable achievement reflects our dedication to providing quality education through our online platforms.





## Indus University's Spectacular Project Exhibition 2024



Indus University, in collaboration with the Indus Institute of Technology and Engineering (IITE), Indus Institute of Communication and Technology (IICT), and the Western India Institute of Aeronautics (WIIA), held its Annual Project Exhibition 2024 on April 29-30. Over 700 students showcased more than 300 innovative projects, highlighting creativity and entrepreneurial talent. The first day, themed “Innovate to Elevate: Engineering Entrepreneurial Success with Intellectual Property,” featured Chief Guest Mr. Vinod Agrawal and Guest of Honor Mr. Nilesh Ranpura. The second day, themed “Cultivating Creativity,” welcomed Chief Guest Mr. Vipul Vachhani, Special Guest Mr. Jay Vachhani, and Guest of Honor Mr. Nishit Shah. Supported by ISTE, IEI, IIC, ICSII, and SSIP, the event celebrated Indus University's commitment to fostering a promising future for its students under the guidance of Dr. Nagesh Bhandari and Dr. Ritu Bhandari, Honorable Presidential Secretariat.







## Launch of India's First AI-Driven Cyber Security Control Centre at Indus University in Collaboration with Heritage Cyber World



Indus University, in collaboration with Heritage Cyber World, launched India's first AI-Enabled Command Control Centre-cum-Research Laboratory with the aim of revolutionizing education through advanced AI technology and practical learning experiences. This state-of-the-art facility marked a significant step forward, providing students with unparalleled opportunities for hands-on learning and research in artificial intelligence.



## Wings for Life World Run - Running for a Cure



The Wings for Life World Run, held at Indus University on May 5, 2024, was more than a marathon—it was a global movement to fund spinal cord research. Organized by the Red Bull Marketing team, the event saw over 300 participants come together to support a cure for spinal cord injuries, symbolically giving “wings” to those in need and making strides toward a brighter future.







## International Yoga Day Celebration

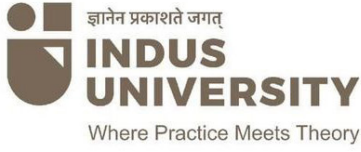


Indus University & ISAC celebrated International Yoga Day on June 21, 2024, with a yoga session led by Ms. Jyoti Oza, a certified Yoga Trainer. Faculty, staff, and students participated actively as Ms. Oza guided them through yoga postures and breathing exercises, highlighting the physical and mental benefits of yoga.





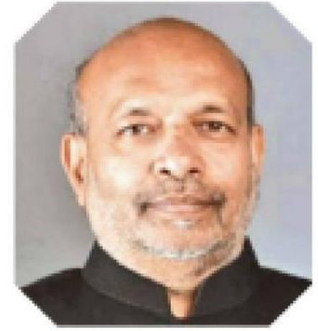
Wings a Proud Moment: Hon'ble Presidential Secretariat, Dr. Nagesh Bhandari Nominated And Selected as Navratna of Gujarat: for Life World Run - Running for a Cure



Dr. Nagesh Bhandari, has been nominated & selected as one of the Navratna of Gujarat State

## डॉ. नागेश भंडारी विश्वभर में स्पाइन सर्जरी के विशेषज्ञ के रूप में विख्यात हैं

सर्जरी के लिए आवश्यक 'केज' नामक साधन जो भारत में उपलब्ध नहीं था, उसका भारत में ही उत्पादन करवाया। विदेश में जिस सर्जरी का खर्च 50 से 60 लाख होता है, वही सर्जरी भारत में मात्र 30 हजार से 2 लाख में होने लगी।



• डॉ. नागेश भंडारी  
प्रेसिडेंशियल सेक्रेटरीएट,  
इंडस यूनिवर्सिटी



**Dr. Bhadari's Surgical Tool Made Spine Surgery Accessible and Affordable in India**

Indus University's Honorable Presidential Secretariat, Dr. Nagesh Bhandari, has been nominated and selected as one of the Navratna of Gujarat State. This prestigious recognition comes from the renowned print media Divya Bhaskar and has been published in all their editions across India, including Gujarati, Marathi, and Hindi. This accolade is bestowed upon him on the occasion of International Yoga Day, acknowledging his exceptional contributions and achievements.





## Miss Radhika Bhandari, Dean of Aviation and Director of WIIA Honored and Participates as Panelist at Siksha Conclave 2024



Miss Radhika Bhandari, Dean of Aviation and Director of WIIA, was honored by Hon'ble Cabinet Minister of Education Shri Rushikesh Patel and Hon'ble State Minister Shri Praful Panseriya on June 29, 2024, for her contribution at the Siksha Conclave organized by Z24 Kalak. As a panelist, she joined other prominent figures, including state university Vice Chancellors and senior education officials, showcasing her dedication to advancing education.







## “Mirchi Green Yoddha Season-3 Event” and “Hyundai Road Safety Awareness” at Indus University



On June 21, 2024, Indus University & ISAC hosted the Mirchi Green Yoddha Season-3 Event, featuring a Road Safety Awareness Segment by Hyundai. RJ Krutarth from 98.3 Mirchi Ahmedabad attended, supporting the Green Revolution. The event focused on environmental sustainability and road safety, leaving a lasting impact.



## Indus University Recognized for Blood Donation Campaign



Indus University (IU) was honored by the The Department of Immuno-hematology and Blood Transfusion, Blood Centre at Civil Hospital, Ahmedabad, for organizing a successful Blood Donation Camp at IU campus.



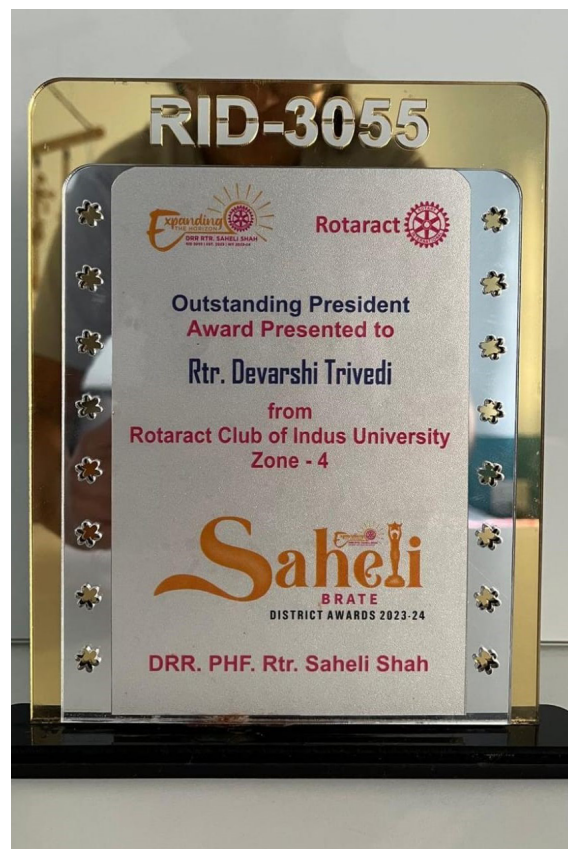




## Rotaract Club of Indus University Receives Multiple District Awards



The Rotaract Club of Indus University received several prestigious awards this year, including the District Citation for Year-Long Project Execution, the Best Project of District 3055 Award for “SAKHI 3.0” (WASH Avenue), the Zonal Award for “MUSKAN MELO,” and the District Award for Club President Ms. Devarshi Trivedi as the Most Outstanding President.







### Induction and Student Empowerment Program 2024

The Deeksharambh - Induction and Student Empowerment Program 2024 at Indus University was held from June 27-29, 2024, across various institutes. The event began with registration, Saraswati Vandana, and motivational speeches by university officials.

At the Indus Institute of Technology & Engineering, the program covered topics such as laboratory facilities, academic curriculum, extracurricular activities, parental involvement, and educational excellence. Students also participated in sessions on cybercrime awareness, campus life, ERP, and NCC/NSS interactions, followed by a campus visit.

The Indus Institute of Information and Communication Technology welcomed students in the BCA, BSc. (CA & IT), BSc. CS, BSc. Data Science, and BSc. Cyber Security programs with Deeksharambh 2024. The program included leadership talks, alumni interactions, and sessions on iSAC, ICSII, T&P, and campus tours.

The Indus Institute of Management Studies hosted a similar session for incoming BBA and B.Com students, where motivational talks and discussions on the academic schedule and career paths took place, marking a positive start to their academic journey.





## Workshop on Paninian Algorithm and Information Model



Indus University's Centre for Indic Studies, in collaboration with the Department of Computer Science, hosted a three-day workshop from June 17-19, 2024, on the Paninian Algorithm and Information Model. Dr. Shridhar Subbanna and Dr. Srinidhi explored Sanskrit's application in computational algorithms. Over 50 professors attended, discussing the semantic and syntactic dimensions of Sanskrit and its potential for algorithmic use. The workshop emphasized the need for standardized language mechanisms and highlighted Sanskrit's efficiency for computational purposes.



**3 DAYS WORKSHOP**  
17, 18, 19 JUNE 2024  
SEMINAR HALL, INDUS UNIVERSITY, AHMEDABAD

**INTRO TO PANINIAN ALGORITHM & INFORMATION MODEL**

**ABOUT THE WORKSHOP**  
Sanskrit, one of the oldest technical languages, is known for its logical structure established by ancient grammarians like Pāṇini. His system, comprising around 4000 Sūtras, standardizes Sanskrit through a framework akin to modern domain-specific languages, encoding and validating words systematically. Pāṇini's algorithmic approach is often compared to modern computing languages, highlighting its efficiency. This workshop explores Pāṇini's grammar and its algorithmic foundations, and the information model derived from his Sūtras, to help participants understand language structure and usage. No prior knowledge of Sanskrit is required, making it suitable for those with basic English proficiency and computational thinking, using modern computing analogies.

**DR. SRIDHAR SUBBANNA**  
Dr. Sridhar Subbanna holds a BE in computer science and a PhD in Sanskrit, having worked with leading technology companies and learned Sanskrit and sastras from renowned traditional scholars. His doctoral thesis explored the similarities between Pāṇini's Astadhyāyī and computational sciences, leading him to develop a novel method for teaching Sanskrit based on the Paninian approach, training hundreds of students. Dr. Sridhar founded Vidyavam, a platform offering foundational Sanskrit courses for modern-educated professionals and higher education students, and is a founding member of Pariparagatī, an alternative school in Bangalore integrating Indic knowledge systems with mainstream learning.

**DR. SRINIDHI**  
Dr. Srinidhi holds an MBBS from Bangalore Medical College and a PhD in Public Policy from IIM Bangalore. He was previously a faculty member at the Public Health Foundation of India. He is currently pursuing another PhD in Sanskrit, focusing on exotericism in the works of Śrī Madhvacharya. Dr. Srinidhi has been studying Sanskrit and the Dvaita School of Vedānta for over two decades under traditional scholars. He has edited and published more than ten manuscripts belonging to the Dvaita tradition. He is a founding member of Pariparagatī, which integrates Bhāratīya knowledge traditions into mainstream education. He is also involved in research and publication activities at Udupi Śrī Bhagadānakṛt Matha.



## Ayurveda Faculty Training Program



Indus University's Centre for Indic Studies, in collaboration with the Ministry of Education's IKYAS Department and the University Grants Commission, organized a six-day Ayurveda Faculty Training Program starting June 20th, with Dr. P. Rammanohar as the chief trainer. The program covered topics such as cultural health practices, mental well-being, herbal remedies, and healthy lifestyles. It concluded with a closing ceremony, honoring participants, followed by the singing of "Vande Mataram."



**2-DAYS DISCIPLINE SPECIFIC FACULTY TRAINING PROGRAM ON AYURVEDA FOR MASTER TRAINERS IN IKS**

**Organised by**  
IKS DIVISION, MINISTRY OF EDUCATION, NEW DELHI

**Collaboration with**  
UNIVERSITY GRANTS COMMISSION (UGC), NEW DELHI

**20 & 21 JUNE 2024**  
SEMINAR HALL, INDUS UNIVERSITY, AHMEDABAD

**DR. P. RAMMANOHAR**  
Main Instructor



# Certification Course Details



## Machine Learning



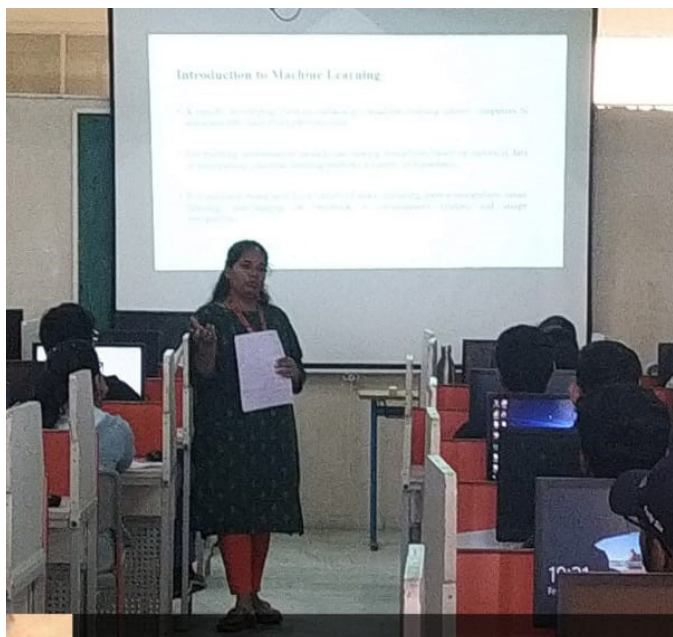
The Computer Engineering Department organized a Certification Course on “Machine Learning”, held during December 1-19, 2023, focusing on technological advancements over a 60-hour period. With a total of 58 registrations, participants engaged in an extensive study of Machine Learning concepts and practical applications, establishing a solid groundwork for their technological pursuits.

**CERTIFICATION PROGRAM  
MACHINE LEARNING**

1 Registration link: <https://forms.gle/2cLo9yDySfvrBUyM7>

2 Last Date for Registration: **25-Nov-2023**  
The course will start from **01-Dec-2023**

Department of Computer Engineering, IITE, Indus University



## Comprehensive Upskilling Internship



The Computer Engineering Department has organized a certification program on “Comprehensive Upskilling Internship” from December 1 to 19, 2023. It covered important skills in sessions led by different experts. The sessions covering Personality and Life Skills, Problem Solving and Decision-Making Skills, Professional Skills, and Self-Awareness have been successfully conducted.

**COMPREHENSIVE - UPSKILLING  
INTERNSHIP**

1 Registration Open on **07-Nov-2023**  
Registration link: <https://forms.gle/W6LYxv8XSnFoUByz7>

2 Last Date for Registration: **10-Nov-2023**  
The course will start from **01-Dec-2023**

Department of Computer Engineering, IITE, Indus University

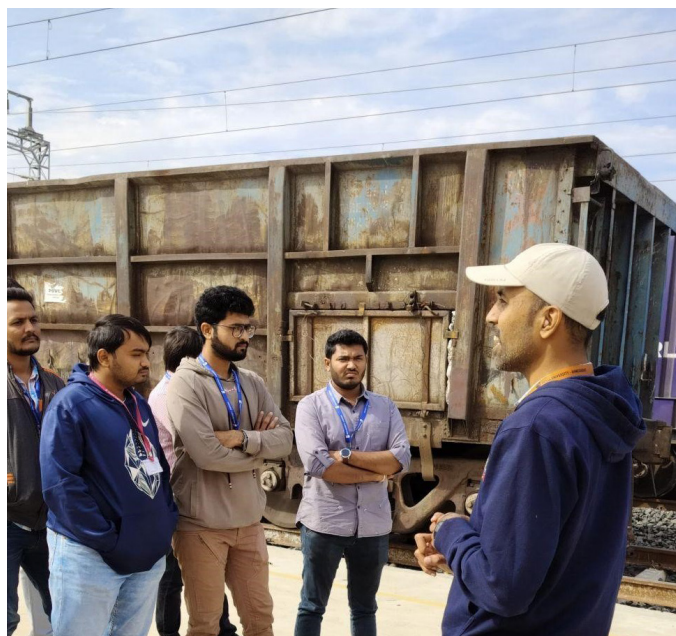




## Winter School A Comprehensive Skill Development Internship



The Civil Engineering Department held a three-week Winter School, a comprehensive Skill Development Internship from December 11-30, 2023. This special program was designed for 5th and 3rd semester students, offering virtual tours, technical workshops, and projects on real-world challenges. Students explored various aspects of Civil like materials, construction technology, and smart city initiatives through visits and talks.



## Internet of Things (IoT) & Its Applications: From Theory to Practical Implementation



The Electronics and Communication Engineering Department organized a successful Certification Program on “Internet of Things (IoT) & Its Applications” from December 18-23, 2023. Co-hosted by the IETE Student Chapter and Sigma Trainers, the program provided hands-on learning to 53 participants, bridging the gap between theory and practical IoT implementation.







## Industrial Automation



The Electrical Engineering Department has conducted a 30-hour Certification course on “Industrial Automation” in collaboration with AlphaTech Automation, Ahmedabad. The program focused on PLC & SCADA principles and was conducted between December 19 - 23, 2023. During the course, participants had hands-on experience with PLC-SCADA systems at Alphatech Automation on December 21 and 22 followed by an Industrial Visit to the Bio-gas Plant on December 23, 2023.



**Certificate Course on "Industrial Automation"**

**December 19-23, 2023** | **10:30 AM to 4:00 PM**

**Course Content**

- Industrial Automation
- PLC Wiring Concepts
- PLC Programming Languages
- PLC Programming Software
- SCADA Software Development
- Controlling Equipment Form SCADA Screen

**Industry Expert**

**Alpha Tech**  
Automation, Ahmedabad

**Chairman**  
Prof. (Dr.) Ishbir Singh  
Director, ITE  
Indus University

**Convener**  
Dr. Vrushank Shah  
HoD (EL)  
Indus University

**Co-ordinators**  
Dr. Vineeta Chauhan  
Assistant Professor  
EL Department

**Ms. Rashmi Sharma**  
Assistant Professor  
EL Department

Last Date of Registration:  
December 10, 2023

For queries contact  
vineetachauhan.el@indusuni.ac.in  
rashmisharma.el@indusuni.ac.in

Click here to Register

QR Code

Organized by: Department of Electrical Engineering, ITE, Indus University



## CAD Drafting & Foundry Practice



The Mechanical Engineering Department organized a Certification Program titled “CAD Drafting & Foundry Practice” running from December 18 to 22, 2023. This program, spanning 30 hours, aims to furnish students with a strong grasp of Computer-Aided Design (CAD) fundamentals alongside practical exposure to foundry practices.



**Certificate Program On CAD DRAFTING & FOUNDRY PRACTICE**

**December 18-22, 2023** | **Computer Lab 5<sup>th</sup> Floor, Bhanwar Building**

**Chairman**  
Prof. (Dr.) Ishbir Singh  
Director, ITE  
Indus University

**Convener**  
Dr. Mitesh Mungla  
HoD (Mechanical)  
Indus University

**Co-ordinators**  
Prof. Dharmendra Sapariya  
Assistant Professor  
Mechanical Department

Prof. Krunal Parikh  
Assistant Professor  
Mechanical Department

Prof. Rahul Patel  
Assistant Professor  
Mechanical Department

Prof. Hardik Mehta  
Assistant Professor  
Mechanical Department

Organized by:  
Department of Mechanical Engineering  
Indus Institute of Technology and Engineering (IITE),  
Indus University

Click here to Register





## Web Technology & Frameworks



The Department of Computer Science at Indus Institute of Communication & Technology, Indus University, organized a Certification Program on “Web Technology & Frameworks” in hybrid mode, spanning from December 18 to 29, 2023. This 30-hour program aimed to equip participants with comprehensive knowledge and hands-on skills in web technologies and frameworks.



**INDUS UNIVERSITY**  
Where Practice Meets Theory

**CERTIFICATE COURSE ON WEB TECHNOLOGY & FRAMEWORKS**

**Learning Outcomes**

- HTML
- CSS
- Java Script
- Node.js
- Bootstrap
- AngularJS

**JOIN US FOR LIVE TRAINING SESSIONS BY OUR EXPERIENCED FACULTY MEMBERS**  
18-29 DECEMBER, 2023  
02:00 PM- 05:00 PM

Mode of Delivery: Hybrid  
Last date of Registration: 13th December, 2023  
[Register Here](#) or Scan the QR Code

**Course Fee**  
INR 500/- for IU Students  
INR 700/- for Non-IU Students

**Patron:** Prof. (Dr.) Sandeep Chakravorty  
Hon'ble Executive President,  
Indus University

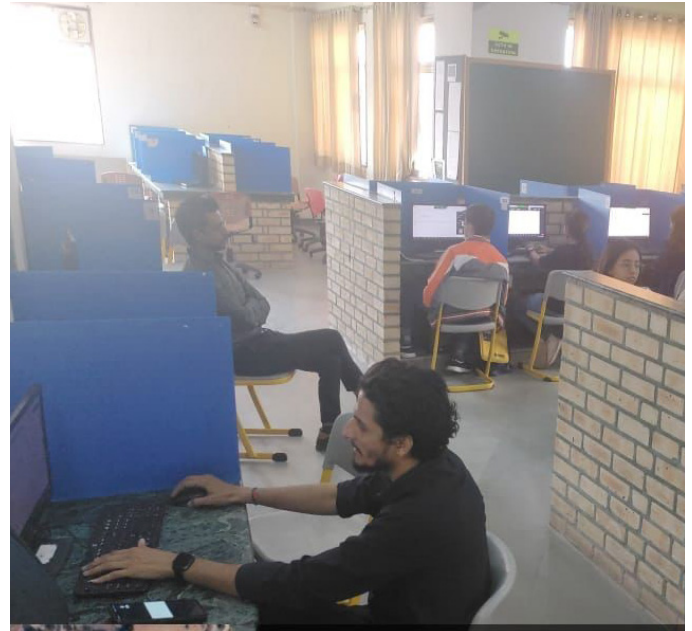
**Patron:** Prof. (Dr.) Vedvyas Dwivedi  
Hon'ble Executive Vice President,  
Indus University

**Convener:** Ms. Bhavana Hotchandani,  
I/C HoD, DCS, IICT  
Indus University

**Faculty Co-ordinators**

- Mr. Vivek Dave  
Assistant Professor,  
DCS, IICT  
vivekdave.dcs@indusuni.ac.in
- Ms. Dolly Dave,  
Assistant Professor,  
DCS, IICT  
dollydave.dcs@indusuni.ac.in
- Ms. Honey Shrivani  
Assistant Professor,  
DCS, IICT  
honeyshrivani.dcs@indusuni.ac.in

Organized by:  
Department of Computer Science,  
Indus Institute of Information and Communication Technology, Indus University



## Advanced PHP Development and WordPress Framework



The Computer Science Engineering Department recently accomplished a highly successful Internship Program focusing on “Advanced PHP Development and WordPress Framework” from December 26th to December 30th, 2023. This comprehensive initiative provided participants with invaluable insights and practical knowledge, fostering holistic development in their professional journey within the realm of web development.



**INDUS UNIVERSITY**  
Where Practice Meets Theory

**CERTIFICATION COURSE ON ADVANCED PHP DEVELOPMENT & WORDPRESS FRAMEWORK**

December 26-30, 2023 | 09:00 AM to 3:00 PM | Main Building Lab I

**COURSE CONTENTS**

- Advanced PHP Programming
- MySQL Database Management
- Wordpress Framework
- Project Development

**FEES**

- Indus University Students: Rs. 1500/-
- Other University Students: Rs. 2000/-

**Chairman:** Prof. (Dr.) Ishbir Singh  
Director, ITE  
Indus University

**Convener:** Prof. Zalak Vyas  
HoD (CSE)  
Indus University

**Internship Coordinator and Correspondence:**  
Dr. Kaushal Jani, CSE Dept., ITE, Indus University  
Email: [kaushaljani.ce@indusuni.ac.in](mailto:kaushaljani.ce@indusuni.ac.in)

[Click here to Register](#)

Organized by:  
Department of Computer Science Engineering  
Indus Institute of Technology and Engineering, Indus University





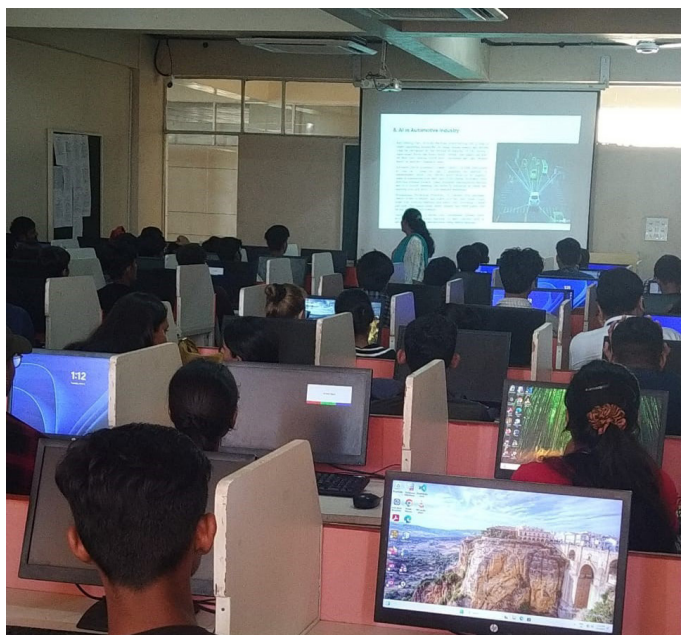
## Industrial IoT: Meeting Industry Demands

The Department of Electronics and Communication and the Department of Electrical Engineering at Indus Institute of Technology and Engineering organized the Certification Program titled “Certification Course on Industrial IoT: Meeting Industry Demands” from June 10-14, 2024. The course provided comprehensive training on IoT Fundamentals, Architecture, Data Handling, Application Development, Security Measures, and Future Trends.



## Artificial Intelligence

The Department of Information Technology launched a 60-hour Certification Course on Artificial Intelligence from June 4-20, 2024, with 94 registrations. The course covered key AI concepts, including Natural Language Processing and real-world applications, providing participants with a strong foundation.





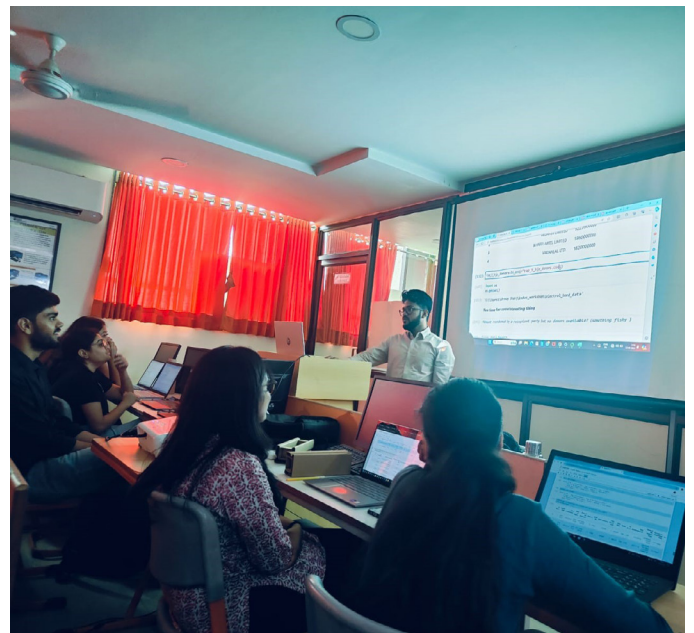
## 🏡 Innovation Ecosystem 🏡

Indus Institute of Management Studies (IIMS) conducted a 30-hour certificate program on the Innovation Ecosystem for 43 students. The program focused on understanding innovative ecosystems, emerging trends, market dynamics, and developing business models. Through an evaluation-based approach, participants gained practical skills to thrive in the evolving business environment.



## 🏡 Data Analytics Bootcamp 🏡

The Department of Computer Science & Engineering at Indus University hosted a “Data Analytics Bootcamp” from June 10-22, 2024, with 72 participants. The intensive program covered Python, SQL, Excel, and Power BI, featuring insights from industry and academic experts. It focused on transforming data into valuable insights for various industries, emphasizing practical training in emerging technologies.



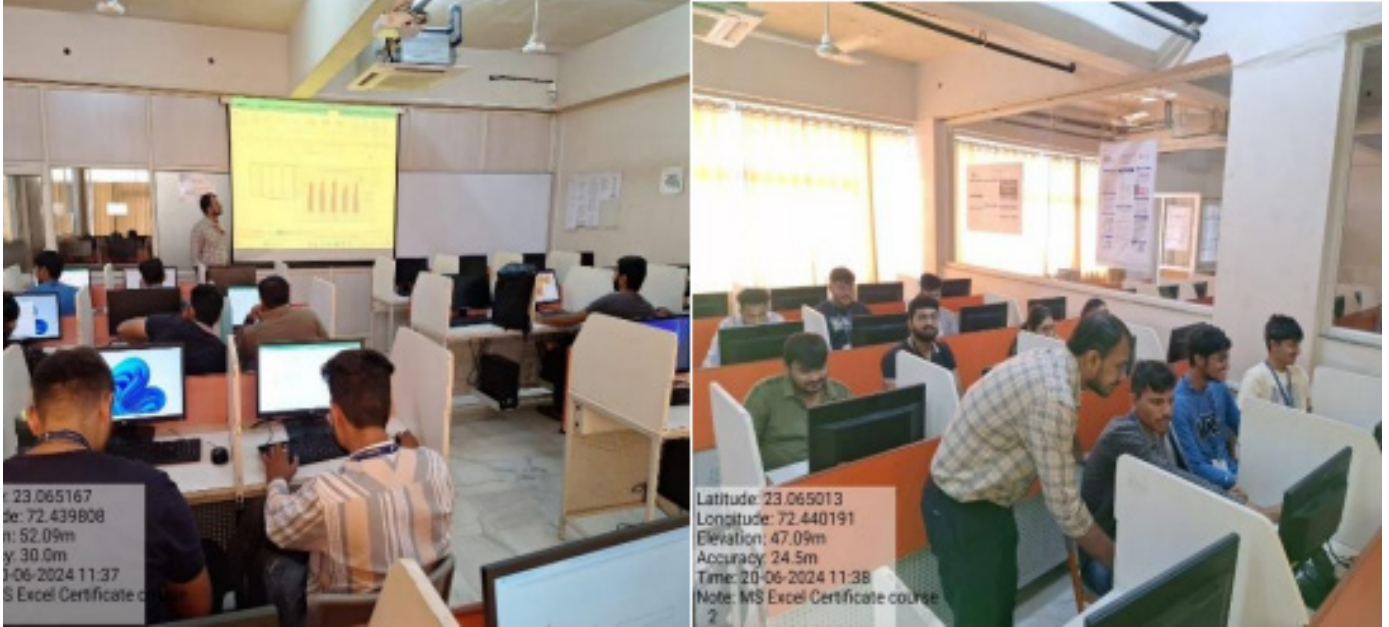




## Enhancing Microsoft Excel Skills



The certificate course on “Enhancing Microsoft Excel Skills,” spanning from June 17 to 29, 2024, successfully trained 16 participants. It focused on Advanced Excel Functions, Data Analysis Techniques, and Visualization Tools to Boost Productivity.



## Microsoft Project: Learn how to manage projects



The Civil Engineering Department recently concluded a 15-day, 60-hour Intensive Certificate Course on “Microsoft Project: Learn How to Manage Projects,” running from June 10 to 22, 2024. This course focused on the practical application of Microsoft Project, a crucial tool for project managers to develop schedules, allocate resources, monitor progress, manage budgets, and analyze workloads.



## ApplInnovate: Designing Dynamic Mobile APP



The Computer Engineering Department at the Indus Institute of Technology and Engineering organized the Certification Program titled “ApplInnovate: Designing Dynamic Mobile Apps (Flutter)” held from June 3rd to 18th, 2024. The primary aim of this program was to equip students with comprehensive skills in developing dynamic mobile applications using Flutter. Throughout the workshop, which saw the enthusiastic participation of 76 students, engaged deeply in hands-on learning and practical sessions.



## Introduction to Programming Using MATLAB



The Department of Computer Science at Indus University hosted a Faculty Development Program from June 10-14, 2024, focusing on LaTeX and SPSS. The program aimed to enhance academic and research skills, with 123 participants from various institutions. It equipped educators with essential tools for teaching and research.



## Skill Development Training Program



The Indus Institute of Management Studies recently conducted a 30-hour Skill Development Certificate Training Program over a span of 12 days, with Dr. Daisy Kurien, Dr. Hariharan, and Ms. Drishta Barot. A total of 99 students actively participated in this transformative program. The training focused on several key areas, including building self-belief and confidence, developing personal and professional skills, enhancing competencies, skills, and knowledge, and improving effective communication. Additionally, the program emphasized critical thinking, decision-making abilities, and preparing participants to become industry-ready professionals, equipping them with the tools needed to excel in their future careers.





# Memorandums of Understanding (MoUs)

Indus University

Academic Year 2023-24

Memorandums of Understanding (MoUs) are powerful tools for fostering cooperation and collaboration between educational institutions and organizations. These formal agreements set shared goals and build strong partnerships. During the academic year 2023-24, several MoUs were signed with industries and research organizations to facilitate collaborative research and provide students with access to best practices.

**Indus Institute of  
Management Studies**

**X**

**International Skill  
Development Corporation  
(ISDC)**

*for the US CMA program*

Indus Institute of Management Studies has signed a Memorandum of Understanding (MoU) with the International Skill Development Corporation (ISDC), Pune, for the US CMA program.



**Indus Institute of Information  
& Communication  
Technology**

**X**

**Shiv Technolabs**

*enhance its offerings in the  
field of technology*

Indus Institute of Information & Communication Technology collaborated with Shiv Technolabs, Ahmedabad, to further enhance its offerings in the field of technology.



## Indus Institute of Technology & Engineering

X

### International Automobile Centre of Excellence (iACE)

*strengthen its automotive and  
technology capabilities*

Indus Institute of Technology & Engineering has signed an MoU with the International Automobile Centre of Excellence (iACE) in Gandhinagar and eInfochips, an Arrow company, based in Ahmedabad, to strengthen its automotive and technology capabilities.



## Indus Institute

X

### Drone Lab Pvt. Ltd.

*promote advancements in  
drone technology*

Additionally, Indus Institute has partnered with Drone Lab Pvt. Ltd. to promote advancements in drone technology.





# Industry Connect and Placement Services

## Indus University

### Academic Year 2023-24

The campus placement program at Indus University for the academic year 2023-24 facilitated successful connections between students and top companies. Through well-organized placement drives and skill-building workshops, students were equipped to secure roles across various sectors, leading to a high number of successful placements. Below are the placement details for the academic year 2023-24.

#### **Highest Package: Rs.10.00 LPA**

**Arcelor Mittal Nippon Steel (AMNS) – 5 students**

#### **Second Highest Packag : Rs.9.00 LPA**

**TCS – 7 Students**

#### **Third Highest : - Rs.7.50 LPA**

**Zeus Learning – 3 Students**

#### ***Oher Prominent Recruiters***

**Valorx, Motadata - Rs.7 LPA (4 students)**

**Federal Bank, Micron Semiconductor - Rs.6.00 LPA (4 students)**

**Synoptek, Godrej, ISGEC Hitachi Zosen - Rs.5.5 LPA (6 students)**

#### **Highlight of the Year**

**50 days Internship by B. Tech Student in**

**Microsoft with a stipend of Rs.1.25 Lakhs per month and prorate**

**Total Number Of Companies Offered Placements/ Internships: 336**

IT & ITES Sector	231
Core Engineering	43
Management	37
Non-Tech (GEN.)	17
Chemical/Pharma	8

**Percentage of Students Placed (23-24 Batch) 95.25%**  
**100% Placement**

– B.Tech (CE/CSE/IT/EC/CIVIL/MECH/METALLURGY),  
MCA/MSc.IT. MBA/IMBA. B.ARCH, B.DESIGN

# Some Best Placed IU Students



**PRINCE CHANGANI**  
AMNS



**ADITYA PITHADIYA**  
AMNS



**PRACHI JAIN**  
ZEUS LEARNING



**AMIT KHWANI**  
TCS



**VAIBHAVI BOTHRA**  
TCS



**DRASHTI SHETH**  
VALORX



**SHAMSH PATHAN**  
LEARNING ROUTES



**ABHISHEK SHARMA**  
RAPIDOPS



**JOHNNY PANJWANI**  
MICRON



**QUSAI LOKHANDWALA**  
MICRON



**PRATHMESH PUKALE**  
ISZEC HITACHI ZOSEN



**SOMNATH THORAT**  
GODREJ



**RITA PADHARIYA**  
HDFC LIFE



**VIVEK SIDDHAPARA**  
HDFC LIFE



**MANAV MODASIYA**  
BLINKIT



**ADITI SHAH**  
TECHNOVATE



# Prime Recruiters to Indus University

 **4C CONSULTING**

 **AFG**  
Combustion



 **AllianceTek**  
EMPOWERING IT SOLUTIONS

**alpha e**  
BARCODE SOLUTIONS PVT. LTD.

**AM/NS  
INDIA**

 **ANALOG  
DEVICES**

 **ARASU**  
Impassioned Engineering

*argusoft*  
Quality on Time

 **YOKOHAMA.**  
**ATG**  
ALLIANCE TIRE GROUP

 **AU** AU SMALL  
FINANCE  
BANK  
**BADLAAV HUMSE HAI**

 **AU 0101**

**Baheti**

  
**BANK OF AMERICA**

 **IBDO** RISE

**blinkit**

 **BOSCH**

 **BYJU'S**  
The Learning App

 **CADILA**  
PHARMACEUTICALS  
LIMITED

**Capgemini**  **Chegg®**

 **Star Union Dai-ichi**  
Life Insurance



**stelmecc**®  
beyond boundaries

**STU**

 **Synoptek**  
Process. Technology. Results.

**SYSTRA**

  
**TATA MOTORS**

**tcs** | **TATA**  
CONSULTANCY  
SERVICES

  
**TLT-Turbo GmbH**

 **TORRECID**  
India PVT. LTD.

 **torrent**  
PHARMA

 **torrent**  
POWER













# Research & Development

**Research & Development**

**Research Papers Published by Faculty  
Members in Journals onference Paper  
Presentations and Published Proceedings**

**Book Chapters Published by Faculty  
Members**

**Research Project Grants Received**

**Faculty Contribution in Workshop/  
Conference/Invited Talk/Session Chair  
Reviewer/Resource Person**







# Research and Development

## Indus University

### Academic Year 2023-24

Indus University made notable progress in research and development during the academic year 2023-24. The PhD program saw significant activity, with multiple scholars completing their research. Several R&D projects were carried out in collaboration with industry and academic partners, focusing on innovation and sustainability. Faculty members published impactful papers in reputed journals and secured patents for their innovations in fields such as renewable energy and advanced technologies. Additionally, the University successfully obtained various research grants, supporting continued exploration and collaboration in multiple disciplines.

### Research & Development Projects Summary:

Category	Details	Funding Agency / Sponsoring Agency	Amount (Rs.) / Revenue
Funded Projects	4	GUJCOST, SAC-ISRO, AICTE	7126100/-
Project Proposals Submitted	15	GUJCOST, SAC-ISRO, AICTE	-

### Research & Development, Publications, and Grants Summary:

Category	Numbers
Paper Published	161
Patents Published/Granted	17
Ph.D. Ongoing	190
Grants/Projects	7126100/-

### List of Research Funds:

Sr. No.	Project Title	Principle Investigator	Funding Agency	A m o u n t (Rs.)	Duration
1	Thermodynamic Stability of Ternary Intermediate Phase Ni <sub>3</sub> (Ti,X) using Density Functional Theory	Dr. K. Santhy	GUJCOST	3443000/-	3 years
2	Use of Oceansat-3 and coupled bio-physical model to generate a reanalysed field of chlorophyll	Dr. Manisha Vithalpura	SAC-ISRO	2000000/-	3 years
3	Tritiya Prakriti aur Bharatiyata: Reclaiming the Narrative Indic	Mr. Prabodh Mishra	AICTE	450000/-	1 years
4	Smart Incubator using IOT and Machine Learning	Dr. Seema Mahajan	GUJCOST	1233100/-	3 years

## Ph. D. Statistics

## Ph. D. Completed

Sr. No.	Name	Department/ Institute	Title	Supervisor
1	Singh Archana Rajeshkumar	Computer Engineering, IITE	Study and Estimation of Mangrove Parameters Using SAR Images	Dr. Seema Mahajan
2	Ganesh Shingade Dnyanoba	Electrical Engineering, IITE	Protection Scheme for Transmission Line Utilizing SVM Approach with Positive Sequence Analysis	Dr. Sweta Shah
3	Vidhi Pratik Thakkar	Computer Science, IICT	Blockchain-based Healthcare Data Sharing: Enhancing Privacy and Anonymity Through Permissioned Blockchain	Dr. Vrushank Shah
4	Parikh Shaival Rajeshkumar	Mechanical Engineering, IITE	Investigation and Performance Analysis of Parabolic Trough Collector with Solar Desalination System	Dr. Umang Patadiwala
5	Sapariya D h a r m e n d r a Damjibhai	Mechanical Engineering, IITE	Experimental investigation for the effect of fluidization parameters on biomass gasification using bubbling fluidized bed gasification technique	Dr. Umang Patadiwala
6	Amar Vijay Gandhi	Management, IIMS	A Study of Green Marketing Practices Adopted by Hotels & Resorts in Major Cities of Gujarat: A Critical Appraisal	Dr. Hardik Bavishi
7	Gajjar B h a v i n k u m a r Dineshkumar	Electronics & Communication Engineering, IITE	Sparse-based Based Feature Parameterization and Multi Kernel SVM for Large Scale Scene Classification	Supervisor: Dr. Ashwin Patani Co-Supervisor: Dr. Hiren K. Mewada
8	Mehul Tansukhbhai Pa- tel	Computer Science, IICT	Effective Plate Object Segmentation and Recognition by Implementing Artificial Intelligent Model for Smart Transportation Systems	Dr. Ashishkumar Parejiya
9	Gandhi Pooja Bansibhai	Computer Science, IICT	Advocating Crop Yield Cultivation: An Ensemble Approach with Supervised Machine Learning Techniques for Crop Yield Prediction	Dr. Ashishkumar Parejiya



## **Research Papers Published by Faculty Members in Academic Journals**

1. Rawesh Kumar from the Chemistry department published a paper on Biodiesel production from *Sisymbrium irio* as a potential novel biomass waste feedstock using homemade titania catalyst in the *Scientific Reports* journal with an impact factor of 3.8 in the month of July 2023.
2. Vrushank Shah from the Electronics and Communication department published a paper on Empowering Privacy: Harnessing Hyperledger Fabric to Safeguard EHR Systems in the *Journal of Computer Science, Science Publication* journal with an impact factor of 0.94 in the month of July 2023.
3. K. Santhy from Materials & Metallurgical Engineering department published a paper on Analysis of Mechanical Properties on Bamboo E-Glass-Reinforced Composites in *Recent Advances in Mechanical Engineering* in the month of July 2023.
4. Disha Parekh and Vishal Dahiya from the Computer Science department published a paper on Early Detection of Breast Cancer Using Machine Learning and Ensemble Techniques in the *International Journal of Computing* with an impact factor of 0.84 in the month of July 2023.
5. Nikunj Valand from the Chemistry department published a paper on Discovery of Anti-Breast Cancer Thiophene Sulfonamide Derivatives: Design, Synthesis, Molecular Docking against EGFR, MM-PBSA, MD Simulations, ADME/Tox, and in vitro Studies in the *ChemistrySelect ChemistryEurope* journal with an impact factor of 2.1 in the month of July 2023.
6. Vrushank Shah from the Electronics and Communication department published a paper on A Privacy-Preserving Framework Using Hyperledger Fabric for EHR Sharing Applications in the *IJECES* journal with an impact factor of 0.8 in the month of July 2023.
7. Vrushank Shah from the Electronics and Communication department published a book chapter Metaverse-Enabling IoT Technology for a Futuristic Healthcare System in the *Handbook of Research on AI-Based Technologies and Applications in the Era of the Metaverse* in the month of July 2023.
8. Bansri D. Raja from the Mechanical department published a paper on Multi objective ecological optimization of an irreversible Stirling cryogenic refrigerator cycle in the *Energy ScienceDirect Journal* with impact factor 9.0 in the month of July 2023.
9. Rawesh Kumar from the Chemistry department published a paper on Rh promoted Ni over yttria–zirconia supported catalyst for hydrogen-rich syngas production through dry reforming of methane in the *Energy Science & Engineering SCl* journal with an impact factor of 3.5 in the month of July 2023.
10. K. Santhy from Materials & Metallurgical Engineering department, published a paper on In Situ High-Temperature X-ray Diffraction Study on Atmospheric Plasma and Detonation Sprayed Ni-5 wt.%Al Coatings in the *Journal of Thermal Spray Technology Springer* journal with an impact factor of 3.2 in the month of July 2023.
11. Hinal Shah and Jaydeep Chakravorty from the Electrical Engineering department published a paper on AI-based fault recognition and classification in the IEEE 9-bus system interconnected to PV systems in the *Smart Science Taylor & Francis* journal with impact factor 2.4 in the month of August 2023.
12. Kaushal Jani from the Computer Science & Engineering department published a paper on Improvement of Network Protocol and Analysis of Security Using Aspect of Cryptography in the *Computing Science, Communication and Security* in the month of August 2023.
13. Minesh P. Thaker from the Electronics & Communication department published a paper on Brain Tumor Detection Using ResNet Architectures *IEEE Access* journal with an impact factor of 3.4 in the month of August 2023.
14. Zalak Patel and Vedvyas Dwivedi from Electronics & Communication department published a paper on Novel Design of Metamaterial Inspired Substrate for Compact Dual Band Stacked Patch Antenna in the 2023 International Conference on Electrical, Electronics, Communication and Computers (ELEXCOM) in the month of August 2023.
15. Sandeep Chakravorthy from Electrical Engineering department published a paper on A novel concept

- of extreme fine tuning in harmonic profile improvement in multilevel inverter for electrical drives in the International Journal of Power Electronics, 2023 Vol.18 with an impact factor of 0.361 in the month of August 2023.
16. Rawesh Kumar from the Chemistry department published a paper on Syngas production from methane dry reforming via optimization of tungsten trioxide-promoted mesoporous  $\gamma$ -alumina supported nickel catalyst in the International Journal of Hydrogen Energy ScienDirect Journal with an impact factor of 8.1 in the month of August 2023.
  17. Rawesh Kumar, from the Chemistry department published a paper on Enhanced direct methanation of CO<sub>2</sub> using Ni-based catalysts supported on ZrO<sub>2</sub>, CeO<sub>2</sub>-ZrO<sub>2</sub>, and La<sub>2</sub>O<sub>3</sub>-ZrO<sub>2</sub>: The effect of support material on the reducible NiO-interacted species and catalytic activity in the Molecular Catalysis ScienceDirect journal with impact factor 3.9 in the month of August 2023.
  18. Gaurav Awasthi, K. Santhy, Monil Salot and Sujoy K. Chaudhary from Materials & Metallurgical Engineering department published a paper on Effect of stirring on characteristics of electrochemically exfoliated graphene in Materialia ScienceDirect journal with impact factor 3.0 in the month of August 2023.
  19. Khushbu Maurya and Seema Mahajan from the Computer Engineering department published a paper on Mangrove species discrimination using Modified Spectral Angle Mapper algorithm on hyperspectral imagery: A study at Marine National Park (MNP) Jamnagar, Gulf of Kutch, Gujarat and Lothian Island, Sundarbans, West Bengal in Expert Systems with Applications ScienceDirect Journal with an impact factor of 7.5 in the month of September 2023.
  20. Yogesh Kumar, from the Computer Science Engineering department published a paper on Hybrid deep learning based automatic speech recognition model for recognizing non-Indian languages in the Multimedia Tools and Applications journal with impact factor 3.0 in the month of September 2023.
  21. Khushbu Maurya and Seema Mahajan from Computer engineering department published a paper on Decision tree (DT) and stacked vegetation indices based mangrove and non-mangrove discrimination using AVIRIS-NG hyperspectral data: a study at Marine National Park (MNP) Jamnagar, Gulf of Kutch in Wetlands Ecology and Management Springer journal, with impact factor of 1.6 in the month of September 2023.
  22. K. Santhy from Materials & Metallurgical Engineering department published a paper on The effect of strain induced phase transformation on the thermal expansion compatibility of plasma sprayed spinel coating on SOFC metallic interconnect – A study using in-situ high temperature X-ray diffraction in the International Journal of Hydrogen Energy ScienceDirect journal with an impact factor of 8.1 in the month of September 2023.
  23. Sweta Shah from Electrical Engineering department published a paper Fault detection and location based SVM for three phase transmission lines utilizing positive sequence fault components in the AiBi Revista de Investigación, Administración e Ingeniería journal with an impact factor of 0.9 in the month of September 2023.
  24. Rawesh Kumar from the Chemistry department published a paper on Tailoring strontium-promoted alumina-zirconia supported Ni-catalysts for enhanced CO<sub>2</sub> utilization via dry reforming of methane: Sr loading effects and process optimization in the Journal of CO<sub>2</sub> Utilization ScienDirect Journal with an impact factor of 7.2 in the month of September 2023.
  25. Rashmi Sharma from Electrical Engineering department published a paper on Enhanced modular multi-level converter-based static synchronous compensator with social ski-driver optimized adaptive neuro-fuzzy inference system controller for power quality enhancement in Electrical Engineering Springer journal with impact factor 1.6 in the month of September 2023.
  26. Disha A. Shah from the department of Computer Science published a paper on Quantitative Analysis of Co-Current Imbibition Phenomenon with Heterogeneity and Gravitational Effect in the Scope Journal in the month of September 2023.
  27. Rawesh Kumar from the Chemistry department published a paper on Dry Reforming of Methane over Dual Metal Oxide Al<sub>2</sub>O<sub>3</sub>+MO<sub>x</sub> (M=Ti, Zr, Si, Y) Supported Ni Catalyst: A Simple and Practical Approach in Springer Journal Catalysis Letters with impact factor 2.8 in the month of October 2023.
  28. Falguni Tandel from Department of Quality Assurance published a paper on Simultaneous estimation of propyphenazone, flurbiprofen, and their mutual prodrug by high-performance liquid chromatography method in the Separation Science Plus journal, with impact factor 1.1 in the month of October 2023.
  29. Rawesh Kumar from the Chemistry department published a paper on Alumina-Magnesia-Supported



- Ni for Hydrogen Production via the Dry Reforming of Methane: A Cost-Effective Catalyst System in nanomaterials MDPI journal with impact factor of 4.4 in the month of October 2023.
30. Rawesh Kumar from the Chemistry department published a paper on Understanding Coke Deposition Vis-à-Vis DRM Activity over Magnesia-Alumina Supported Ni-Fe, Ni-Co, Ni-Ce, and Ni-Sr Catalysts in Nanomaterials (Basel, Switzerland) MDPI journal with impact factor of 4.4 in the month of October 2023.
  31. Rawesh Kumar from the Chemistry department published a paper on Role of promoters over yttria-zirconia supported Ni catalyst for dry reforming of methane in the Energy Science & Engineering Open Access journal with an impact factor of 3.5 in the month of October 2023.
  32. Rawesh Kumar from the Chemistry department published a paper on Pd+Al<sub>2</sub>O<sub>3</sub>-Supported Ni-Co Bimetallic Catalyst for H<sub>2</sub> Production through Dry Reforming of Methane: Effect of Carbon Deposition over Active Sites in Catalysts, MDPI journal with an impact factor of 3.8 in the month of October 2023.
  33. K. Santhy from Materials & Metallurgical Engineering department, published a paper on Understanding early-stage oxidation mechanism of Crofer 22 APU solid oxide fuel cell steel interconnect using glow discharge optical emission spectroscopy and grazing incidence X-ray diffraction in the Thin Solid Films ScienceDirect journal with an impact factor of 2.0 in the month of October 2023.
  34. Dr. Hirak Joshi from the department of Quality Assurance & Pharmaceutical Chemistry published a paper on Synthesis and Biological Evaluation of Some Novel Hybrid Quinazolinone– Piperazine Derivatives as Antimicrobial Agents in the International Journal of Pharmaceutical Research & Allied Sciences with impact factor of 2.986 in the month of October 2023.
  35. Rawesh Kumar, from the Chemistry department published a paper on Recycling calcium oxide nanoparticles for sustainable biodiesel production from nonedible feedstock Argemone mexicana L. in the Biofuels Taylor & Francis journal with impact factor 2.1 in the month of November 2023.
  36. Dhiren Patel from the Mechanical Engineering department published a paper on Integrating intelligent machine vision techniques to advance precision manufacturing: a comprehensive survey in the context of mechatronics and beyond in the International Journal on Interactive Design and Manufacturing (IJDeM) Springer journal with impact factor 2.1 in the month of November 2023.
  37. Gaurav Kumar Ameta from the Computer engineering department published a paper on An effective prediction of lung cancer on earlier stages using artificial intelligence enabled learning phase in the AIP Conference Proceedings in the month of November 2023.
  38. Jigneshkumar Makwana, A.D. Dhass, Dharmendra Sapariya and Dhiren Patel from Mechanical Engineering department published a paper on An analysis of waste/biomass gasification producing hydrogen-rich syngas: A review in the International Journal of Thermofluids ScienceDirect journal with an impact factor of 10.44 in the month of November 2023.
  39. Banshi Raja from Mechanical Engineering department published a paper on A parametric study and experimental investigations of microstructure and mechanical properties of multi-layered structure of metal core wire using wire arc additive manufacturing in the Journal of Advanced Joining Processes ScienceDirect journal with an impact factor of 4.31 in the month of November 2023.
  40. Ishbir Singh from Mechanical Engineering department, published a paper on Effect on Different Anatomy Layers of Human Subject During Vibration Conditions Using FEM in Journal of The Institution of Engineers (India): Series C springer journal with a impact factor of 1.312 in the month of December 2023.
  41. Manisha Ubale from the Mathematics department published a paper on The role of calcium dynamics with amyloid beta on neuron-astrocyte coupling in the Mathematical Modelling and Numerical Simulation with Applications journal in the month of December 2023.
  42. Dhiren Patel from Mechanical engineering department, published a paper on Design & development of cleaning and scrap collecting machine for small organization in the AIP Conference Proceedings in the month of December 2023.
  43. Manisha Ubale from the Mathematics department published a paper on Bifurcation analysis of calcium dynamics in nerve cell in the EPJ Plus journal with an impact factor of 2.8 in the month of December 2023.
  44. Mitesh Mungra from the Mechanical Engineering department published a paper on Influence of Local Surface Cracks on Dynamic Parameters of Multi-span Beam in the Vibration Engineering and Technology of Machinery, Volume I in the month of December 2023.
  45. Amrita Sharma and Bhavana Hotchandani from the Computer Science department published a paper

- on Integrated Prediction Model for Software Effort of Diversifying Projects Using Machine Learning in the 11th International Conference on Intelligent Systems and Embedded Design (ISED) in the month of December 2023.
46. Rawesh Kumar, from the Chemistry department published a paper on Enhancing catalytic performance, coke resistance, and stability with strontium-promoted Ni/WO<sub>3</sub>-ZrO<sub>2</sub> catalysts for methane dry reforming in the Research on Chemical Intermediates journal, with impact factor 2.8 in the month of January 2024.
  47. A.D. Dhass, Dharmendra Sapariya and Umang J Patdiwala from the Mechanical Engineering department published a paper on An investigation on PCM based solar parabolic concentrator in AIP Conf. Proc. 2962, in the month of January 2024.
  48. Monil Salot, from Materials & Metallurgical Engineering department, published a paper on Synthesis and characterization of fiber based composites made from naturally available reinforcement in AIP Conf. Proc. 2960, in the month of January 2024.
  49. Krishna Chandra Roy from the Department of Science and Humanities published a paper on Mathematical Modeling and Statistical Analysis of Leach Algorithm Based Cluster Head Selection Approach for Wireless Sensor Networks in the Communications on Applied Nonlinear Analysis journal with impact factor of 0.15 in the month of January 2024.
  50. Rawesh Kumar from the Chemistry department published a paper on 5Ni/MgO and 5Ni/MgO + MO<sub>x</sub> (M = Zr, Ti, Al) Catalyst for Hydrogen Production via Dry Reforming of Methane: Promotor-Free, Cost-Effective, and Handy Catalyst System in Springer Journal Catalysis Letters with impact factor 2.8 in the month of January 2024.
  51. Rawesh Kumar from the Chemistry department published a paper on Cost-Effective Single-Step Synthesis of Metal Oxide-Supported Ni Catalyst for H<sub>2</sub>-Production Through Dry Reforming of Methane in Springer Journal Arabian Journal for Science and Engineering with impact factor 2.5 in the month of January 2024.
  52. Rawesh Kumar, from the Chemistry department published a paper on Impact of Sr Addition on Zirconia-Alumina-Supported Ni Catalyst for CO<sub>x</sub>-Free CH<sub>4</sub> Production via CO<sub>2</sub> Methanation in the ACS Omega journal with the impact factor 3.7 in the month of February 2024.
  53. K. Santhy and Monil Salot from Materials & Metallurgical Engineering department, published a paper on Grain refinement of Al-Ti master alloy on as cast and heat treated Al-Si-Mg alloy in AIP Conf. Proc. 2986, in the month of February 2024.
  54. Rashmi Sharma, Hinal Shah and Vineeta Chauhan from the Electrical Engineering department published a paper on Modular STATCOM for Unbalanced Load in the IEEE International Students' Conference on Electrical, Electronics and Computer Science (SCEECS) in the month of February 2024.
  55. Mukta Agarwal from the Computer Science department published a paper on A Comprehensive Review of Advanced Artificial Intelligence Techniques to Enhance Intrusion Detection Systems in the IEEE International Students' Conference on Electrical, Electronics and Computer Science (SCEECS) in the month of February 2024.
  56. Dhiren Patel from the Mechanical department published a paper on Design and fabrication of low-cost floor cleaning machine for commercial application in AIP Conference Proceedings. Vol. 2927. No. 1. AIP in the month of March 2024.
  57. Vineeta Chauhan from the Electrical Engineering department published a paper on Numerical Exploration and Statistical Analysis of Mathematical Parameters of Anti Reflecting Coating on Operational Parameters Improvement of Solar Cell in the Communications on Applied Nonlinear Analysis journal with impact factor of 0.15 in the month of March 2024.
  58. Ishbir Singh from the Mechanical department published a paper on Effect of Road Conditions on Human Subjects in Sitting and Standing Posture Using FEM in Recent Advances in Operations Management and Optimization. CPIE 2023. Lecture Notes in Mechanical Engineering in the month of March 2024.
  59. Shruti Yagnik from the Computer Engineering department published a paper on A Novel Secure Approach for Enhancing Accuracy of Pest Detection with Private Federated Learning Using DPSGD in Intelligent Sustainable Systems in the month of March 2024.
  60. Rawesh Kumar from the Chemistry department published a paper on DryPromoted Ni Catalyst Over Titania-Zirconia Support for Partial Oxidation of Methane: Simple and Practical Catalysts in Springer Journal Catalysis Letters with impact factor 2.8 in the month of March 2024.
  61. Rawesh Kumar, from the Chemistry department published a paper on Optimizing Hydrogen Production:



Influence of Promoters in Methane Decomposition on Titania-Modified-Zirconia Supported Fe Catalyst in ACS Omega Vol 9, Issue 18 with impact factor 3.7 in the month of April 2024.

62. Kaushal Jani from the Computer Science Engineering department published a paper on Employing a multi-sensor fusion array to detect objects for an orbital transfer vehicle to remove space debris in International Journal of Intelligent Unmanned Systems, Vol. 12 No. 2, pp. 179-191 with impact factor 0.80 in the month of April 2024
63. Sheetal Pandya from the Computer Science Engineering department, published a book chapter titled Development environment, tools, and SDKs for Serverless Computing. 10.4018/979-8-3693-1682-5.ch015 in the month of April 2024.
64. Banshi D. Raja from the Mechanical department, published a paper on Thermodynamic evaluation of shell and tube heat exchanger through advanced exergy analysis, in Energy, Volume 292 ScienceDirect Journal with impact factor 9.0 in the month of April 2024.
65. Dr. Parul Shah from the Management department published a paper on The Impact of Social Reform on Women's Education: Challenges and Advancing Gender Equality in the GAP BODHI TARU: A Global Journal of Humanities (ISSN – 2581-5857) in the month of April 2024.
66. Pushpendra Singh Sisodia, from the Computer Engineering department published a paper on Analysis & prediction of cardiac arrhythmia using deep learning techniques in AIP Conference Proceedings. Vol. 3107 in the month of May 2024.
67. Monil Salot, K. Santhy, Gaurav Awasthi and Sujoy K. Chaudhary from Materials & Metallurgical Engineering department published a paper on Effect of microwave treatment on structural characteristics and energy bandgap of electrochemically synthesized hydrated tungsten oxide quantum dots in Ceramics International Volume 50, Issue 9, Part A with impact factor 4.7 in the month of May 2024.
68. Falguni Tandel from Department of Quality Assurance published a paper on LC method for the quantification of Quercetin, Berberine, and Phytosterol in lyophilized liposome in Separation Science Plus journal, Volume 7 Issue 5 with impact factor 1.1 in the month of May 2024.
69. Seema Mahajan from the Computer Engineering department, published a paper on Estimation of above-ground biomass and delineation of vegetation of tropical forests using EOS-04 data in the Current Science journal with impact factor 1.102 in the month of May 2024.
70. Abhishek Vaghela from Computer Engineering and Vrushank Shah from the Electronics and Communication department published a book chapter on Cybersecurity Infrastructure and Solutions for Healthcare Systems in the 1st edition of AI and IoT Technology and Applications for Smart Healthcare Systems in the month of May 2024.
71. Rawesh Kumar from the Chemistry department published a paper on Seed oil of *Capsella bursa-pastoris* (L.) Medik. a non-edible promising feedstock for biodiesel synthesis in the Biofuels journal with impact factor 2.2 in the month of May 2024.
72. Sujoy K. Chaudhary from the Materials & Metallurgical Engineering department published a paper on Effect of alloy 625 buffer layer on corrosion resistance of nickel base hard facing in the Surface and Coatings Technology with impact factor 1.190 in the month of June 2024.
73. Rawesh Kumar, from the Chemistry department published a paper on Enhanced predictive optimization of methane dry reforming via ResponseSurface methodology and artificial neural network approaches: Insights using a novel nickel-strontium-zirconium-aluminum catalyst in Molecular Catalysis with impact factor 3.9 in the month of June 2024.

## **Conference Paper Presentations and Published Proceedings by Faculty Members**

1. Vishal Chudgar presented a research poster titled Freedom in the Light of Sri Aurobindo's Integral Yoga and Existentialism, at the National Youth Conference on Indian Knowledge System (NYCIKS2023), IIT Roorkee in the month of August 2023.
2. Dr. Disha A. Shah from the department of Computer Science presented a paper titled Analyzing Fingero-imbibition Phenomenon in an Inclined Heterogeneous Porous Medium with Magnetic Field Effect: A Quantitative Approach at the 10th International Conference and 26th Annual Conference of

Gwalior Academy of Mathematical Sciences (ICGAMS-2023) on Mathematical Modelling, Simulation and Computational Methods (MMSCM-2023) jointly organized by Department of Mathematics, Veer Narmad South Gujarat University (VNSGU), Surat, Gujarat, India and Department of Mathematics, Sardar Vallabhbhai National Institute of Technology (SVNIT), Surat, Gujarat, India and in association with TMC in the month of December 2023.

3. Dr. Suketu Jani , Deputy Registrar & Prof. (Dr.) Ishbir Singh ,Director-IITE presented a paper titled Analysis of Temperature Effect for FDM printed parts using ABS Material in Additive Manufacturing at the 9th International Conference - AIMTDR 2023 at IIT BHU Indian Institute of Technology (Banaras Hindu University), Varanasi in the month of December 2023.
4. Dr. Dipti Sethi from the Management department presented a research paper titled Work Does Not Seem as Work – in the Transformation of Technology, Workforce, and the Ecosystem at the Seventh International Conference on Emerging Research Paradigms in Business and Social Sciences (ERPSS 2024).
5. Mr. Ankit Sodha & Dr. Payal Mehta from the Civil department presented a research paper titled An In-Depth Examination of Ferrous-Based Alloy Reinforcements for Smart Structures and Bridges. This paper was presented at the “2nd International Conference on Futuristic Advancements in Materials, Manufacturing, and Thermal Sciences (ICFAMMT-24) on January 19, 2024.
6. Mr. Ankit Sodha & Dr. Payal Mehta from the Civil department presented a research paper titled Exploring the Applications of Nanomaterials in Transportation Engineering at the 2nd International Conference on Futuristic Advancements in Materials, Manufacturing, and Thermal Sciences (ICFAMMT-24) in the month of January 2024.
7. Prof. (Dr.) Vedvyas J. Dwivedi from Electronics & Communication department presented a research paper titled Design Perspective of BioNanoSensors for Enelocsuine Hormones at the IEEE International Conference on Nanoelectronics, Nanophotonics, Nanomaterials, Nanobioscience & Nanotechnology (SNANO 2024) organized by VISAT Engineering College,Kerala, India, in the month of April 2024.

## **Book Chapters Published by Faculty Members**

1. Nirali Dave and Dr. Tejal Shah from the Management department published a book chapter entitled The Effect of Demographic Factors on Overconfidence Behavioural Bias of Mutual Fund Investors in the book titled Perspectives in Marketing, Innovation and Strategy in Routledge India in the month of September 2023.
2. Dr. Vrushank Shah from the Electronics and Communication department published a book chapter entitled Electronic Health Records Security and Privacy Enhancement Using Blockchain Technology in the book Data-Centric AI Solutions and Emerging Technologies in the Healthcare Ecosystem in the month of October 2023.
3. Dr. Vrushank Shah from the Electronics and Communication department published a book chapter entitled Internet of Medical Things (IoMT) Driving the Digital Transformation of the Healthcare Sector in the book Data-Centric AI Solutions and Emerging Technologies in the Healthcare Ecosystem in the month of October 2023.
4. Dr. Vrushank Shah from the Electronics and Communication department co-edited a book on “AI-Aided IoT Technologies and Applications for Smart Business and Production” published by CRC Press, Taylor & Francis, Scopus Indexed in the month of November 2023.



5. Dr. Falguni Tandel from the Department of Quality Assurance published a book chapter entitled Analytical Quality by Design in the book Introduction to Quality by Design (QbD) From Theory to Practice by Springer Nature, Singapore in the month of April 2024.
6. Dr. Falguni Tandel from the Department of Quality Assurance published a book chapter entitled API Quality by Design in the book Introduction to Quality by Design (QbD) From Theory to Practice published by Springer Nature, Singapore, in the month of April 2024.

## **Research Project Grants Received**

1. Dr. K. Santhy, Head of the Department of Metallurgical and Materials Engineering (MME) as the Principal Investigator (PI) & Dr. Sujoy Chaudhury, Dean of Research and Development, as the Co-Principal Investigator (Co-PI) have been awarded a research project grant from the Gujarat Council on Science and Technology (GUJCOST). The project, titled “Thermodynamic Stability of Ternary Intermediate Phase Ni<sub>3</sub> (Ti, X) using Density Functional,” has been granted a total funding of Rs. 34,43,200.
2. Dr. Hirak Joshi from the department of Quality Assurance & Pharmaceutical Chemistry received the NSS-National Service Scheme grant approval of Rs.1 Lakh for Indus University.
3. Dr. Amit Kumar Dubey and Asst. Prof. Komal Thawrani from Indus Architecture School (IAS) and Centre of Indic Studies (CIS) have secured Rs. 26.5 Lakhs of funding for their project titled “IKS Center for Study of Knowledge Transmission in India.” The project, led by Dr. Amit kumar Dubey as Principal Investigator, Dr. Ankur Kakkar as Co-Principal Investigator, and Asst. Prof Komal Thawrani as Co-Principal Investigator, was submitted under the guidance of Dr. Ram Sharma, Head of Centre for Indic Studies.

## **Patents Granted**

1. Mr. Hirenkumar V Mer from the Computer Science Engineering Department has been granted a design patent titled Artificial Intelligence Based Network Intrusion Detection Device. The patent is registered in the name of Indus University.
2. Mr. Shaswat L Padalia from the Mechanical Engineering department has been granted a patent on Auto CPR, developed under the Patent Act of 1970.
3. Dr. Vrushank Shah, from the Electronics and Communication department has been granted a patent titled ‘System and Method for Reliable Intrusion Detection In Computer Network Systems’.
4. Mr. Monil Salot from Materials & Metallurgical Engineering department has been granted a process patent titled “Electrolytic Process for Preparing High Purity Tungsten Oxide Nanocrystalline Powder from Tungsten Carbide-Cobalt Scrap”. Dr. Kathirvel Santhy, Mr. Gaurav Awasthi, and Dr. Sujoy Chaudhary, from Materials & Metallurgical Engineering department were co-inventors for this patent.

# **Faculty Contribution in Workshop/ Conference/ Invited Talk/ Session Chair/Reviewer/ Resource Person**

The faculty at Indus University actively participated in various academic and professional engagements during the academic year 2023-24. Their contributions included:

1. Dr. Ketan Lakhtaria, Dean, ISAC, delivered four lecture sessions on “Water Treatment Plant” during the pre-service training program for newly recruited Executive Engineers and Dy. Executive Engineers (Civil & Mechanical) of G.W.S. & S.B. at Gujarat Jalseva Training Institute, Gandhinagar, on July 14, 2023.
2. Dr. Samir Patel, Civil Engineering Department, IITE, delivered an expert lecture on “Application of Hybrid MCDM Approach in Transportation Planning” during the STTP “Application of MCDM Methods in Logistics and Transportation Engineering (MMLT 2023),” on July 10, 2023, organized by the Centre of Excellence in Logistics and Supply Chain Management, National Institute of Technology Calicut, Kerala.
3. Dr. Ashwin Patani, CSE Department, IITE, served as a session chair for the “International Conference on Recent Advances in Engineering and Computer Applications 2023,” held at L J University Campus on July 14–15, 2023.
4. Lt. (Dr.) Parshva Shah, IIMS, was invited to be a panelist for the SIP Presentation and Viva at Shanti Business School, where more than 30 students participated, on July 28, 2023.
5. Dr. Miloni Ganatra, Electronics & Communication Engineering Department, IITE, was appointed as a reviewer for the journal Circuits, Systems, and Signal Processing (CSSP), published by Springer, in August 2023.
6. Dr. K. Santhy, HoD, Metallurgical and Materials Engineering Department, IITE, delivered an invited talk on “Contribution of IKS in Metal Technologies” during the FDP on Indic Knowledge Systems organized by Bharat Shodh Sansthan, Gujarat University, on August 9, 2023.
7. Asst. Prof. Komal Thawrani, IAS, delivered an expert lecture on “Contribution of Indian Knowledge System in Town Planning” as part of the FDP organized by Bharat Shodh Sansthan, Gujarat University, on August 9, 2023.
8. Dr. Manisha Ubale, Department of Mathematics, ISHLS, delivered an expert talk during the “Student Innovation Fest-2023,” organized by Vigyan Gurjari, on August 10, 2023.
9. Prof. (Dr.) Ishbir Singh, Director, IITE, Dr. Vrushank Shah, HoD (EC/EL), IITE, and Khush Patel, B.Tech Semester-3 ICT student, filed Indian Design Patent No. 394946-001 for their innovation “Wireless Projection System,” supported by ICSII, SSIP, Government of Gujarat.
10. Asst. Prof. Komal Thawrani, IAS, and Dr. Amit Kumar Dubey, Centre of Indic Studies (CIS), received funding of ₹26.5 lakh for their project proposal titled “IKS Center for Study of Knowledge Transmission in India” on September 18, 2023.
11. Dr. Vineeta Chauhan, Electrical Engineering Department, IITE, received an award certificate as an appreciation for participation in IJAPE (International Journal of Applied Power Engineering) as a reviewer.
12. Dr. Hinal Shah, Electrical Engineering Department, IITE, reviewed a book titled “Principles of AC Machines,” under publication by CRC Press/Taylor and Francis Group.
13. Mr. Monil Salot, Metallurgical and Materials Engineering Department, IITE, delivered an invited talk on “Production of Iron and Steel” during the FDP on Metallurgy for Engineering, organized by NITTTR Extension Center Ahmedabad in collaboration with the Metallurgy Department, GEC Gandhinagar, on October 17, 2023.
14. Dr. K. Santhy, HoD, Metallurgical and Materials Engineering Department, IITE, delivered an invited talk on “Phase Diagram” during the FDP on Metallurgy for Engineering, organized by NITTTR Extension Center Ahmedabad in collaboration with the Metallurgy Department, GEC Gandhinagar, on October 16, 2023.
15. Dr. Payal Mehta, Civil Engineering Department, IITE, delivered an expert talk on “Liquefaction Susceptibility and Ground Improvements” to M.Tech Civil (Infrastructure Engineering and Management) students at Pandit Deendayal Energy University on October 11, 2023.
16. Dr. Vrushank Shah, HoD (EC/EL), IITE, was granted a patent by GTU for “System and Method for



Reliable Intrusion Detection in Computer Network Systems.”

17. Dr. Falguni Tandel, Principal, IIPR, delivered a talk on “QbD: A Strategic Model to Accelerate Pharmaceutical Drug Development Process and Market Value with Value-Added Entrepreneurial Concepts” as part of the Women Entrepreneurship Development Programme organized by Royal College of Pharmacy and Health Sciences, Berhampur, and sponsored by the Department of Science & Technology, Government of India, on November 30, 2023.
18. Dr. K. Santhy, HoD, Metallurgical and Materials Engineering Department, IITE, gave an expert talk on “Hands-On Session with Thermo-Calc Software - An Alloy Design Tool for Additive Manufacturing” during the short-term course “Applications on VR/AR in Manufacturing,” organized by NITTTR Chandigarh, from December 18–23, 2023.
19. Dr. A.D. Dhass, Mechanical Engineering Department, IITE, served as a session chair at the National Conference held as part of Vibrant Gujarat-Bharatiya Vigyan Sammelan, jointly organized by Vijnana Bharati and the Government of Gujarat, at Science City, Ahmedabad, from December 21–24, 2023.
20. Dr. Sweta Shah, Electrical Engineering Department, coordinated “Student Innovation Fest 2023” in association with Vigyan Gurjari and Indus University, receiving a certificate from World Record India for the event.
21. Dr. Akshara Dave, IICT, served as a Technical Program Committee member and reviewer for the 2nd International Conference on “Advancements in Smart Computing and Information Security (ASCIS 2023),” organized by FCA, Marwadi University, Rajkot, in collaboration with Springer CCIS and the Science and Engineering Research Board, Department of Science and Technology, Government of India, from December 7–9, 2023.
22. Dr. Disha A. Shah, IICT, delivered a contributory talk on “Analyzing Fingero-Imbibition Phenomenon in an Inclined Heterogeneous Porous Medium with Magnetic Field Effect: A Quantitative Approach” at the 10th International Conference and 26th Annual Conference of Gwalior Academy of Mathematical Sciences (ICGAMS-2k23), held jointly by VNSGU and SVNIT in Surat, Gujarat, from December 11–13, 2023.
23. Prof. Darshan K. Bhatt, Prof. Piyush Surani, Mr. Zaverchand Rathod, and Mr. Rajendra Limbachiya, Mechanical Engineering Department, IITE, conducted a one-day workshop titled “Unlocking Lathe Potential: Maintenance Workshop” for Diploma Mechanical students on February 28, 2024, with participation from 29 students and one faculty from Government Polytechnic, Gandhinagar.
24. Dr. Parth M. Pandya, Mathematics Department, IISHLS, served as an Executive Committee member for the National Conference on “Advancements in Mathematical Research and Development - 2024” (NCAMRD-2024), organized by Shri U.P. Arts, Smt. M.G. Panchal Science & Shri V.L. Shah Commerce College, and Pramukh Swami Science & H.D. Patel Arts College, on February 10, 2024.
25. Dr. Disha Parekh, IICT, delivered an expert lecture on “Big Data Analytics and Artificial Intelligence” for Ph.D. candidates at Sardar Vallabhbhai Global University, Ahmedabad, on March 17, 2024.
26. Dr. Rajeev Mathur, Director, IICT, was selected as a reviewer for the “Advances in Science, Technology and Engineering Systems Journal.”
27. Dr. Naresh Chhatwani, HoD, IDEA, delivered a talk on “Admissions in Architecture” in an online conference organized by Bharatiya Sindhu Sabha Youth Wing, providing insights into the NATA Exams conducted by the CoA, on May 11, 2024.







# Students

**Students Achivements**  
**Indus Student Activity Cell (iSAC)**





# Students Achievements

## Indus University

### Academic Year 2023-24

Indus University students showcased excellence in academics, sports, research, and community activities. They published research papers, earned professional certifications, achieved notable victories in sports, and actively contributed to social outreach and cultural programs, reflecting their holistic development and dedication to growth. Here are some key highlights of their achievements:

📖📖 Ajinkya Bhambare and Vivek Sharma, students of Indus Institute of Pharmacy & Research (IIPR), successfully participated in and completed the Annual Training Camp organized by the National Cadet Corps (NCC) at the 1 Gujarat ARTY BTY NCC Ahmedabad in August 2023



📖📖 Students from Semester 5 of Indus Architecture School (IAS) conducted a study on Temple Architecture in Vadnagar. Their work, which involved engaging with the local community and documenting architectural details, was published in the news in August 2023.



📖📖 Puran Sinh Chauhan, a Semester II student of Indus Institute of Pharmacy & Research (IIPR), won the Energy Cup 2024, securing the runner-up position and a silver medal in the Kho Kho Tournament organized by PDP University, Gandhinagar, on February 15, 2024.



Parth Champaneri, an alumnus of the Institute of Design, Environment, and Architecture (IDEA), published his final year thesis project titled "Disaster Resilient Houses" on ARCHIDIARIES in October 2023. The project was guided by Prof. Rushank Mehta (External) and Asst. Prof. Naitik Vakharia



🏆 Twenty students from Semester I and Semester III of the Indus Institute of Pharmacy & Research (IIPR) actively participated in Pharmavision 2023, an event organized by Akhil Bharatiya Vidyarthi Parishad in collaboration with Anand Pharmacy College. The students engaged in various activities such as Pharma Recipe, Poster Presentation, Pharmapreneur, and Youth Parliament in September 2023.



🏆 **Mr. Kunal Kishore, Mr. Himanshu Somkuwar, Mr. Pranay Ashokrao, and Mr. Jagtap Anand, third-year students from the Department of Metallurgical Engineering at the Indus Institute of Technology & Engineering (IITE), completed an internship at the CSIR National Metallurgical Laboratory, Jamshedpur, alongside students from other prestigious institutions.**



🏆 **Sandip Pandya, Kamlesh Sonkusare, and Atik Shaikh, students from the Department of Mechanical Engineering (IITE), published a research paper titled “Design & Development of Cleaning and Scrap Collecting Machine for Small Organizations” in AIP Conf. Proc. 2901, 100017 (2023), which is Scopus indexed, in December 2023.**



🏆 **Margi Shah, Parth Monapara, Yogendra Chitroda, and Denish Karetiya, students of the Department of Mechanical Engineering (IITE), published a research paper titled “Investment Casting Using Additive Manufacturing: State-of-the-Art and Future Directions - A Review Paper,” which was featured in IEEE, pp. 889-895, and is Scopus indexed in 2023**



🏆 **The Indus University Football Team secured a remarkable 5-0 victory against the Adani Football Team during the “Concours 2023 Intercollege Students Sports Event” held at DAIICT - Dhirubhai Ambani Institute of Information and Communication Technology in October 2023.**







**Shekhar Jha, a student from the Department of Mechanical Engineering (IITE), received recognition and appreciation for his research contributions at the 9th Ankara International Congress on Scientific Research held in Ankara, Türkiye, from December 26-29, 2023.**



**Deep Ghosh and Poojan Patel, students from the Department of Mechanical Engineering (IITE), received recognition and appreciation for their research contributions at the 9th Ankara International Congress on Scientific Research held in Ankara, Türkiye, from December 26-29, 2023.**



**Khushali Modi, a student of the Indus Institute of Management Studies (IIMS), won the doubles title at the Ranchi AITA Women's Tournament in January 2024.**



**The ACSIT team, the student association of the Department of Computer Science (IICT), participated in a charitable initiative by distributing juice and chips to underprivileged children at construction sites on Vasna Road. This event, held in collaboration with the NGO "Milke Baate Khushiyaan," is part of their annual tradition of supporting social causes, taking place in April 2024**



**26 students from Semester 1 of the Indus Architecture School (IAS) participated in the Related Study Program-I at Abdasa Taluka, Bhuj, accompanied by Asst. Prof. Aditya Jain and Asst. Prof. Naitik Vakharia in January 2024.**



23 students from Semesters 4 and 6 of the Indus Architecture School (IAS) participated in the winter collaborative program 2023, “Mahabalipuram, Vaitheeshwaran Kovil Heritage Experience,” guided by Asst. Prof. Komal Thawrani and Asst. Prof. Priyanka S in January 2024



Mr. Ronak Gajera and Mr. Shubham Gupta, Semester IV students of the Indus Institute of Pharmacy & Research (IIPR), attended the Rural Startup Conclave at IIT Indore, in association with the Center of Rural Development and Technology (CRDT), IIT Indore, sponsored by SERB during January 2024.



Gedia Raj, Patel Hetavi, Panesara Hemin, Sharma Savan, and Shah Vimarsh, students of Indus Architecture School (IAS-IIDEA), presented research papers at the International Students Conference on Research in Architecture. Their papers, guided by Dr. Naresh Chhatwani, Head of Department, explored topics such as house form and settlement patterns, Laurie Baker’s contributions in Gujarat, colonial architecture of Jaora, extended building skins, and the architecture of Anant Raje.



Mr. Priyajeet Narendrasinh Jadeja, an M. Tech (CAD/CAM) student at Indus University, represented Gujarat in the Ranji Trophy. He delivered an outstanding performance, claiming 10 wickets (5/60 & 5/39) and was named Player of the Match as Gujarat triumphed by 299 runs in the Punjab vs. Gujarat match at the Punjab Cricket Association IS Bindra Stadium, Mohali, in February 2024.



Gagan Prajapati, a student from Semester 10 of Indus Architecture School (IAS), presented a research paper titled “Socio-Ecological System of Water Body in a Historical and Religious Context: In Case of Brahma Kund at Sihor,” co-authored by Assistant Professor Aditya Jain, at the national conference “75 SHADES OF HERITAGE” held at the School of Planning and Architecture (SPA), Bhopal, from 29th September to 1st October 2023. The paper, based on Gagan’s undergraduate thesis under the guidance of Assistant Professor Aditya Jain, was presented under the sub-theme of Historic Public Architecture. It was praised by jurors Ar. Malini Rajlaxmi and Ar. Pankaj Modi for its potential contribution to the conservation of historical water structures







**Divya Patel and Himanshu Rathi, Semester VI students of the Department of Computer Science (IICT), successfully completed the TCS iON Certification Course in Essential Skills. The course covered a wide range of topics including communication, presentation, soft skills, career guidance, resume writing, group discussions, interview skills, business etiquette, email writing, telephone etiquette, accounting fundamentals, IT foundation, and an overview of AI, in February 2024.**



**Akshit Makwana and Marsh Makwana, Semester 4 students of the Computer Science/Information Technology Department, earned their Microsoft Excel Certification in February 2024.**



**Harsh Mistry, a Semester 4 student of the Computer Science/Information Technology Department, obtained dual certifications in “Introduction to Electric Vehicles” and “Business Analysis and Process Management” in February 2024.**



**Vatsal Malaviya, Devang Panchal, and Dhrupad Panchal, students of the Department of Mechanical Engineering (IITE), published a research paper titled “Design and Fabrication of Low-Cost Floor Cleaning Machine for Commercial Application” in AIP Conference Proceedings 2927, 020023 (2024), which is Scopus indexed.**



**Vidhi Patel and Shivam Bhatt, Semester IV students of Indus Institute of Pharmacy & Research (IIPR), participated in the “Nirmaquest 24” Quiz Competition held at the Institute of Pharmacy, Nirma University, on March 19, 2024, and secured a spot in the top 16.**



# Indus Student Activity Cell (iSAC)

Indus University

Academic Year 2023-24

The Indus Student Activity Cell (iSAC) plays a pivotal role in enhancing students' holistic development by organizing a wide array of activities beyond academics. iSAC provides a platform for students to explore and hone their talents in various fields such as culture, sports, clubs, workshops, and social initiatives. It encourages student engagement, fosters creativity, and helps develop essential life skills that are crucial for personal and professional growth.

**Sports**

**Social  
Initiative**

**Cultural**

**Club**

**Workshop  
& Seminar**

**INSTINCTS 2024**

Aethos (Cultural)

Sparx (Technical)

Collympics (Sports)

**C  
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## Sports

Sports play a crucial role in enhancing physical fitness, mental well-being, and life skills, fostering teamwork and community pride. Indus University is dedicated to promoting sports among students through various events throughout the year

8-12 Jan 2024:

Indus Cup: A National Level Sports Tournament.

2-7 Mar 2024:

Collympics under INSTINCTS 2024: A major sports competition that forms an integral part of the university's annual festival, showcasing athletic talent and team spirit.

## Social Initiative

Social initiatives are essential in creating a compassionate, sustainable world. iSAC plays a significant role in organizing activities that promote environmental conservation, community welfare, and social responsibility. Notable social initiatives include

21 Jun 2023:

World Environment Day Activities: Including tree plantation, campaigns, and discussions on environmental conservation.

9 Oct 2023:

Blood Donation Camp.

12 Oct 2023:

Muskan Melo - A Visit to an Old Age Home by RCIU.

7 Nov 2023:

Vocal for Local Exhibition to support local businesses.

13 Mar 2024:

Blood Donation Camp (Prathma)

## Cultural

Cultural events are key to celebrating traditions, arts, and values. These events help foster creativity, appreciation of diverse cultures, and unity within the university. Some of the significant cultural events include

15 Aug 2023: Independence Day Celebration.

4 Sep 2023: Gokulashtami Celebration.

9 Oct 2023: Music Meetup by the Music Club.

12 Oct 2023: Astro Club Event.

16 Oct 2023: RaasRang 2023 – A Navratri Event.

22 Jan 2024: Shree Ram Mandir Pran Pratistha Celebration.

26 Jan 2024: Republic Day Celebration.

18 Apr 2024: Felicitation Ceremony for Winners of Aethos, Sparx, and Collympics during INSTINCTS 2024.

## Club

iSAC oversees several student-run clubs that provide opportunities for students to engage in various activities that develop their skills and interests. Key club events include:

26 Aug 2023: Sakhi 3.0 Event by RCIU.

27 Oct 2023: Fashion Club Meetup.

24 Feb 2024: Cypher Dev Fusion Cohort - Ahmedabad.

## Workshop & Seminar

Workshops and seminars at Indus University provide valuable opportunities for students to enhance their skills and knowledge. These events cater to a variety of interests and personal development:

21 Jun 2023: International Yoga Day Celebration.

6 Oct 2023: Swachhata Abhiyan by Eco Club.

10 Oct 2023: Blood Donation Camp.

11 Oct 2023: Garba Workshop.

9 Feb 2024: Talent Hunt 2.0.



# **INSTINCTS 2024**

**Aethos (Cultural)**

**Sparx (Technical)**

**Collympics (Sports)**

**INSTINCTS 2024 is the most awaited and largest annual festival of Indus University, scheduled to take place from 2-7 March 2024. This grand event will feature competitions across three major categories:**

- **Aethos (Cultural): Celebrating the creative and artistic talents of students.**
- **Sparx (Technical): A showcase of technical innovations and skills.**
- **Collympics (Sports): A major sports competition highlighting athletic talent and teamwork.**

INSTINCTS 2024 will be a multi-day celebration of competition, talent, and spirit, bringing together students from across the university in a vibrant display of enthusiasm and participation.

In conclusion, the Indus Student Activity Cell (iSAC) plays an essential role in the holistic development of students at Indus University. By offering opportunities in cultural, sports, social, and professional domains, iSAC ensures that students not only excel in academics but also become well-rounded individuals capable of making meaningful contributions to society.

<b>Date of event/competition</b>	<b>Name of the event/competition</b>
6-Jun-2023	Celebration of Environmental Day
21-Jun-2023	International Yoga Day Celebration at Indus University
4-Aug-2023	EVangelize '23 organised by iCreate
15-Aug-2023	Celebration of Independence Day
26-Aug-2023	Sakhi 3.0 event by RCIU
28 and 29-08-2023	"Battle Games" event by E-sports club
4-Sep-2023	Gokulashtami Celebration
5-Sep-2023	Celebration Teachers' Day
6-Oct-2023	"स्वच्छता अभियान" by Eco Club
9-Oct-2023	Music Meetup by Music club
10-Oct-2023	Blood Donation Camp
11-Oct-2023	Garba Workshop
12-Oct-2023	Astro club Event
12-Oct-2023	"Muskan Melo" A visit of Old age home" by RCIU
13-Oct-2023	Bulls n Bear Club event
16-Oct-2023	RaasRang -2023, An event on Navraatri
18-Oct-2023	Visit of Vikrant Massey and team at Indus University
26-Oct-2023	Felicitation of outgoing 2022-2023 SAC panel and welcoming of Students' panel 2023-2024. Revealing of new SAC logo.
27-Oct-2023	Fashion Club meetup
7-Nov-2023	Vocal for Local Exhibition
8 to 12-Jan-2024	Indus Cup : A National Level sports tournament
22-Jan-2024	Shree Ram Mandir Pran Pratistha Celebration
26-Jan-2024	Celebration of Republic Day
9-Feb-2024	Talent Hunt 2.0
2-Feb-2024	Aditya Darshan: Astro Club event
19-Feb-2024	Robo Reboot
24-Feb-2024	Cypher Dev Fusion Cohort - Ahmedabad
02 to 07-March-2024	Instincts- 2024
13-Mar-2024	Blood Donation Camp (Prathma)
18-April-2024	The Felicitation ceremony for the winners in the events of Aethos / Sparx / Collympics under INSTINCTS-2024













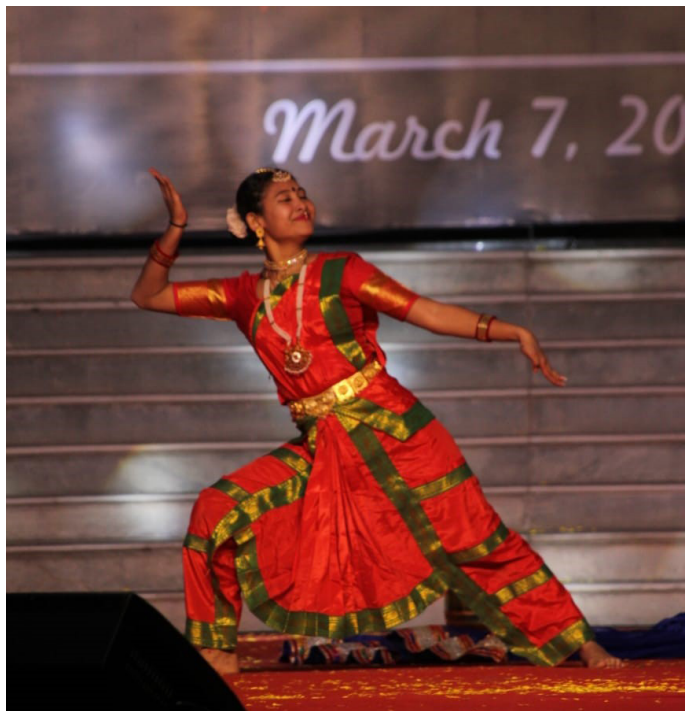
























# Programs

**Programs** organised by Constituent  
Institutes of Indus University

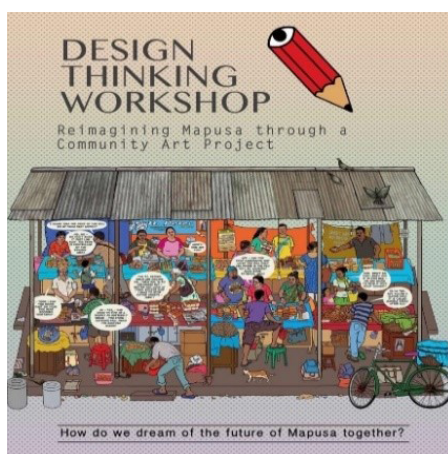
# Programs Organized by Constituent Institutes of Indus University

Indus University  
Academic Year 2023-24

The constituent institutes of Indus University actively organized a variety of programs throughout the academic year, fostering academic excellence, skill enhancement, and social involvement.

These programs included workshops, seminars, conferences, technical sessions, and other initiatives designed to enrich the learning experience of students. Such efforts not only enhanced industry-academia collaboration but also provided students with hands-on exposure, opportunities for innovative thinking, and platforms to showcase their talents and knowledge.

## Indus Architecture School (IAS)



Indus Architecture School organized the MAPUSA MOGI MURAL project in collaboration with artist Orijit Sen and his team from August 28 to September 2, 2023, in Goa. This public art initiative, focused on envisioning a sustainable and futuristic Mapusa, included workshops with schoolchildren and discussions with residents to gather shared stories and perspectives, using Design Thinking strategies.

Indus Architecture School organized a two-day session as part of the Collaborative Program, "Mahabalipuram, Vaitheeshwaran Kovil Heritage Experience: exploring temples and their cultural context," on December 8 and December 9, 2023, led by Asst. Prof. Komal Thawrani.





Indus Design School and Indus Architecture School students crafted two eco-friendly Ganesh idols using clay, coconut husk, and waste paper in preparation for Ganesh Chaturthi on September 19, 2023.

# IIDEA LECTURE SERIES

## 2023 - 2024

**Indus Institute of Design Environment and Architecture**  
Rancharda, Ahmedabad

### Ecology and Architecture: *A Symbiotic Existence*

The IIDEA Lecture Series 2023-2024 aims to explore the learnings that constitute the various aspects of the symbiotic existence of Ecology and Architecture. By tracing the heterogeneous components of the prominent architectural practices in India, the series aims to examine the relationship between the physical built environment and the appropriate responsiveness of architectural design decisions. Since buildings consume a substantial amount of energy and resources, meaningful architecture must seek to use them in a careful, thoughtful, and judicious manner to cater to the environmental risks and socio-cultural needs. The series will also explore the gestures in architectural design that are unique to the topography, climate, landscape, networks, and context in which the built forms are situated.

### Eugene Pandala

Pandala completed his B. Arch degree from the College of Engineering Trivandrum in 1977, followed by a Master's in Urban Design at the School of Planning and Architecture, New Delhi, and a Fellowship in Heritage Conservation at University of York and at Fort Brockhurst English Heritage Training Centre in the UK. Pandala attempts to preserve and enhance the cultural and natural heritage of the place and offer sustainable and affordable solutions for the betterment of society. "As a nature lover and cultural heritage conservation activist, I have designed buildings with natural materials and landscapes with biodiversity conservation and native vegetation, preferring interesting organic forms," states the architect. "Primarily, nature is my biggest source of inspiration, which holds answers to all the possible queries a man could have," says the award-winning architect.

**19 JAN | 11 AM**

**Venue:**  
Auditorium,  
Indus University, Ahmedabad

Indus Architecture School organized the IIDEA Lecture Series 2023-2024 on the theme 'Ecology and Architecture: A Symbiotic Existence,' focusing on sustainable architecture. Architect Eugene Pandala shared his insights on designing in harmony with the environment, highlighting his innovative use of natural materials such as mud, stone, and wood.

Indus Architecture School organized a session on February 23, 2024, where Dr. Naresh Chhatwani presented 'Comparison of House Forms of Ahmedabad' to Semester 4 students pursuing Housing Design Studio and faculty. The presentation offered valuable insights into various nuances of typologies and house forms in relation to housing design.







Indus Architecture School organized the pre-launch of the publication/book titled “Timeless Echoes of Kulluta” Naggar and Chachogi, which is an outcome of the Summer Collaborative Program 2022 in collaboration with NORTH and IIDEA, Indus University coordinated by Asst. Prof. Naitik Vakahria and Asst. Prof. Shreya Kaul.



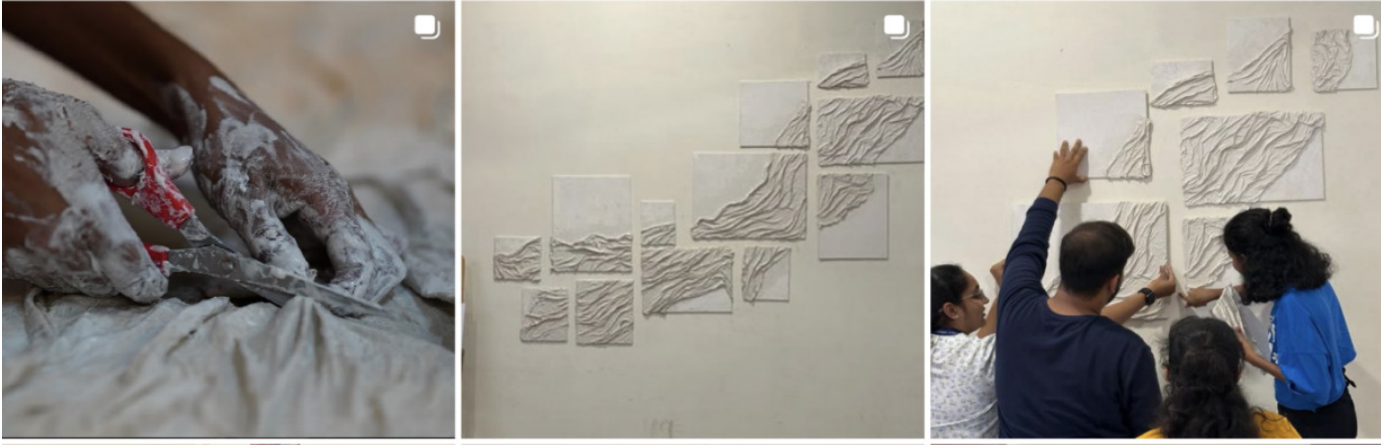
Indus Architecture School organized a four-day Plaster of Paris workshop for Semester 1 students, conducted by Ar. Soha Trivedi on September 21, 22, 27, and 29, 2023. Students learned mixing, casting, and carving molds, followed by chiseling and sanding with safety measures.



Indus Architecture School organized an expert lecture on March 21, 2024, where Prof. Shailaja Nair from COSTFORD addressed Semester 4 Housing Studio students. She discussed sustainable, low-cost, and community housing designs by COSTFORD and Ar. Laurie Baker, highlighting alternative building technologies and their practical applications



## Indus Design School (IDS)



Indus Design School hosted “Design Sprint, ‘23,” where students from various disciplines explored design’s fluidity, transformation, cultural significance, and evolution on August 18, 2023. The event featured group installations and visual metaphors to engage peers and visitors in a thought-provoking exploration of design. Installation Title: Design as Fluidity



Installation Title: The Inseparable Bond: Culture and Design.

Indus Design School hosted a CLO3D workshop on 3D Fashion Illustration and Modeling from April 22-26, 2024, led by Ankita Kumari. The workshop focused on 3D modeling, rendering, and animation using CLO3D, equipping students with essential digital skills for the evolving fashion industry.



Installation Title: “Metaphorical Representation of Design, The Bridge to Imagination”







# Indus Institute of Technology & Engineering (IITE)

## Department of Automobile Engineering

Department of Automobile Engineering Conducted Workshop on “Engine Overhauling” on July 15, 2023, as a part of Marketing strategy for Diploma to Degree admissions. A total of 12 participants from Government Polytechnic, Ahmedabad were awarded with certificates.



The Department of Automobile Engineering organized a Free Vehicle Check-up camp for the faculties and staff members of Indus University on October 14, 2023. The Vehicle Check-up camp was organized in collaboration with Nanda Automobiles PVT LTD, Ahmedabad, a Maruti Suzuki service provider. Indus Automobile Engineering Association (IAEA) has arranged an Expert talk-cum-Alumni Interaction on Asset Protection by Mr. Devarshi Adhyaru, Asset Protection Specialist in Loblaw companies limited Canada on April 11, 2024.

The Department of Automobile Engineering organized a Car Meet on October 8, 2023. The meet was organized in collaboration with DV Automobiles, Ahmedabad. Automotive enthusiasts from different cities participated and showcased their vehicles with different performance driven technologies in the meet.





## Department of Civil Engineering



The Department of Civil Engineering organized a Poster Exhibition on the topics of Environmental Science, Sustainable Development, Disaster Management, Basics of Civil Engineering held on October 27, 2023. The event witnessed active participation from our first-year students, with a total of 260 students enthusiastically presenting 66 posters, each focusing on the designated themes.

Department of Civil Engineering organized a seminar on “Discover BIM: Unlocking the Power of Building Information Modeling” on July 28, 2023. The talk was delivered by Mr. Bhagyesh Patel, Technical Director - Khodiyar CAD Center, Ahmedabad. Seminar benefited the students with fundamental exposure to Building Information Modelling (BIM) technology and advantages of using it at different stages of the project management to achieve better sustainability of infrastructures.

The Department of Civil Engineering organized a ‘Career Guidance Session’ by Alumni - Civil Engineering on September 13, 2023. Two of the civil engineering alumnus Er. Jigar Desai (2016-2020), currently working as a Teaching Associate - Faculty of Technology, CEPT University, Ahmedabad and Er. Akshay Patel (2016-2020), currently working as a real estate developer with Aksharth Developers shared their journey and experiences along with scope in current scenario of Civil



The Department of Civil Engineering conducted a Two days’ workshop on “Building Information Modelling: A Beginner’s Workshop” on October 12 and October 13, 2023. BIM learning makes the students more efficient, better decision makers, and contributes to sustainable and cost-effective building projects.



The Department of Civil Engineering organized a Workshop on Project Guidance and Bridge Course-2024 for Final Year Civil Engineering students on July 27, 2024. Total 31 Students from Indus University as well as outside attended this workshop.





The Department of Civil Engineering has organized workshop on “Advances in Civil Engineering - Future Scope and Direction” on February 28, 2024. The workshop aimed to provide diploma students from Government Engineering College, Ahmedabad, with insights into the advancements in Civil Engineering, fostering potential interest in future admissions to our institute.



The Department of Civil Engineering organized “CAD craft: A hands-on AutoCAD workshop”, on March 7, 2024, was highly successful in engaging diploma students from Government Engineering College, Gandhinagar. The workshop aimed to bridge the gap between academia and industry.

The Department of Civil Engineering has organized a webinar on “Flexpave: Mastering Flexible Pavement Analysis & Design” by Mr. Akshay Kumar Sutaria Research Scholar from SVNIT Surat on March 14, 2024. It helped the students to get more knowledge about Latest Techniques used in the field of pavement design.



The Department of Civil Engineering organized a workshop on Navigating Future Pathways: A Career Guidance on April 16, 2024, with the aim of establishing connections with school students to introduce them to potential Diploma and Degree programs offered by the department. The event aimed to provide insights of various branches of Indus University and offer guidance for prospective students. Total of 55 school students from The New Tulip International School, accompanied by 3 faculty members from their respective institutions, participated in the workshop. Prof. (Dr.) Ishbir Singh and Dr. Suketu Jani addressed the students, sharing their valuable experiences and offering words of encouragement. Their insightful speeches motivated the students and highlighted the importance of pursuing education in the various fields.





## Department of Computer Engineering/Computer Science and Engineering/ Information & Technology



The Department of Computer Science & Engineering organized “DevOps 101 Workshop” on August 25th, 2023. The event featured a keynote speaker, Mr. Mehul Patel, an Open Source Advocate, Community Evangelist, and AWS Certified professional. The workshop delved into the world of DevOps, highlighting its core principles of communication, collaboration, integration, and automation between development and operations teams.



The Department of Computer Science & Engineering organized an exciting hands-on session titled ‘Exploring Data Science with Microsoft Power BI’ in the computer lab on August 26, 2023. Session are conducted by Ms. Archana Singh Co-Founder InfiVidhya, Ms. Sejal Bhavsar Co-Founder InfiVidhya, Mr. Svapnil Vakharia ,Tableau Certified, Microsoft certified for Power BI. 45 eager participants joined in, diving into the world of data analysis.



The Computer Engineering Student Association (CESA) of the CE/IT/CSE Department organized “The Auction” on August 16, 2023. The event combined computer programming expertise with the thrill of an auction, creating an electrifying atmosphere that celebrated innovation, coding skills, and teamwork.





The Computer Engineering Student Association (CESA) of the CE/IT/CSE Department hosted “Visual Vibes” on August 23, 2023, a graphic design competition celebrating creativity and design excellence. The event provided a platform for participants from various backgrounds to showcase their artistic talent and imagination.



The Department of Computer Engineering organized a workshop on “GenAI and Microsoft Certification” on February 21, 2024. In collaboration with CloudThat, students were granted free access to two certification courses, AI-050 and AI-900. This initiative aimed to empower learners by providing opportunities to upskill and reskill, breaking financial barriers and fostering knowledge in cutting-edge technologies.



The Department of Computer Engineering organized a workshop on “Computer Vision using OpenCV” on February 24, 2024 by InfiVidhya. This type of initiative aims to remove barriers to AI education and enable students to acquire in-demand skills in AI and deep learning.

The Department of Computer Science and Engineering organized a workshop on the Salesforce Fundamental Workshop on February 10, 2024. 30+ students attended this workshop.



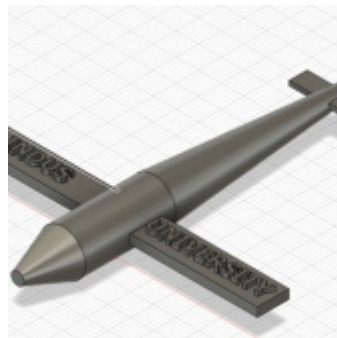
## Department of Electrical Engineering/ Electronics & Communication Engineering /Information & Communication Technology



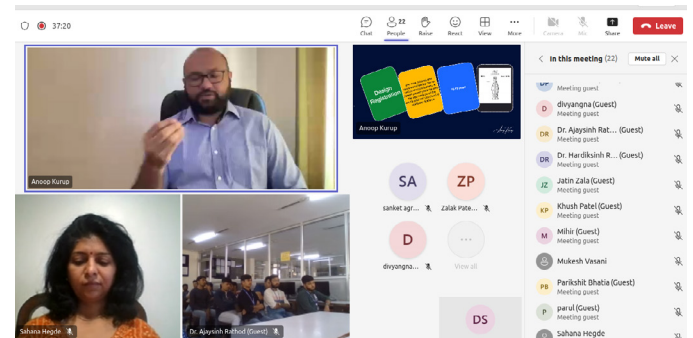
The Department of Electronics and Communication hosted a webinar on “ASIC Chip Development Cycle: SEMICONDUCTOR IS THE FUTURE!” with Ankit Gopani, Lead Design Verification Engineer at Aimtron Electronics on July 18, 2023,.



The Departments of Electronics and Communication, & Electrical Engineering hosted a seminar on “Electromagnetic Radiation Awareness and Tower-related Cyber Frauds.” on August 18, 2023 Shri Rajeev Kushwah, Director at the Department of Telecommunication, Govt. of India, mobile tower radiation limits and government certification.



The Department of Electronics and Communication, in collaboration with Aimtron Electronics, hosted a workshop on robotics, 3D printing, and Electronic System Design and Manufacturing (ESDM), offering students hands-on experience and industry insights on October 4, 2023.



The Department of Electronics and Communication has conducted the webinar on “Intellectual Property and Patents Aspects - Semiconductor Perspectives” on January 29, 2024. The event was conducted in collaboration with AIMTRON Electronics and had Mr. Anoop Kurup as the esteemed speaker using Online Webex Platform.



The Department of Electronics and Communication hosted a workshop on “Avionics Communication System & Embedded with HDL” in collaboration with e-Infochips, IEEE Gujarat, and IESA on February 7, 2024,. Gaining insights from industry leaders Mr. C.P. Umashanker and Mr. Suree Sharma, with hands-on sessions on FPGA kits.

The Department of Electrical Engineering in collaboration with AlphaTech Automation, hosted an expert session on the latest advancements in embedded systems, focusing on Microcontroller 8051 and Arduino technologies on February 24, 2024.

The Department of Electrical Engineering, in collaboration with AlphaTech Automation, hosted a session on “Latest Technologies in Industrial Automation.” Speakers Er. Sumit Nandha, Er. Abhishek Kumar, and Er. Abhay Singh Thakur covered PLC, HMI, SCADA, DRIVE, and DCS on October 18, 2023



The Department of Electronics and Communication organized a Robotics workshop using e-Yantra Lab Tools on April 13, 2024, led by experts from IIT Bombay. The hands-on session, coordinated by Dr. Divyangna Gandhi, saw 45 participants from multiple universities across Gujarat.



The Department of Electronics and Communication Engineering hosted a two-day Faculty Workshop on “Robotics” with e-Yantra Tools, in collaboration with IIT Bombay, on April 18-19, 2024. With 25 faculty participants from multiple institutions, the workshop featured hands-on sessions led by IIT Bombay experts, Mr. Saail Narvekar and Bhargav HS. Each participant received an e-Yantra toolkit, with the workshop fully funded by IIT Bombay.

## Department of Materials and Metallurgical Engineering



The Department of Materials and Metallurgical Engineering and Government Engineering College, Gandhinagar, hosted a State-Level Poster Competition on “Recent Advances in Materials Processing and Applications” on August 26, 2023. A total of 22 posters were presented by 47 students. Mr. Gunjil Bhavsar from GEC won first prize, while Mr. Mahesh, Mr. Swayambhu Katkar, and Mr. Somnath Thorat from IU won second and third prizes.

The Department of Materials and Metallurgical Engineering hosted a guest lecture on “Sacrificial Anodes” by Dr. Indravadan Dave, Head of Metallurgy at GEC Gandhinagar, on September 14, 2023. The session focused on corrosion prevention, particularly sacrificial anodes, benefiting students from the 3rd, 5th, and 7th semesters.



## Department of Mechanical Engineering



The Mechanical Engineering Department hosted a one-day workshop on Advanced Manufacturing on July 27, 2023, with 34 students and 1 faculty member participating. The workshop covered topics like 3D printing, metal printing, metallurgy, advanced welding techniques, and startup incubation, offering hands-on activities and valuable insights for students' academic and professional growth.



The Mechanical Engineering Department hosted a one-day "Unlocking Lathe Potential: Maintenance Workshop" on February 28, 2024, for 29 Diploma Mechanical students from Government Polytechnic, Gandhinagar. The workshop focused on Lathe machine mechanisms and maintenance techniques.

## Indus Institute of Information & Communication Technology (IIICT)

The Department of Computer Science organized a bridge course from July 27, 2023 to August 3, 2023 which was of 32 hours. The main objective of the bridge course is to help bridge the gap between the old and a new curriculum of students who recently joined



The Mechanical Engineering Department hosted a one-day "Unlocking Lathe Potential: Maintenance Workshop" on February 28, 2024, for 29 Diploma Mechanical students from Government Polytechnic, Gandhinagar. The workshop focused on Lathe machine mechanisms and maintenance techniques.





The Department of Computer Science, along with Association of Computer Science and Information Technology (ACSIT) organized an expert talk on “React JS” on August 24, 2023. The session was taken by the faculty members of “Red and White Multimedia Education” company.

The Department of Computer Science organized an Expert Session cum Workshop on Internet of Things (IoT) for the students of IICT. The workshop introduced IoT technology, covered Arduino and Raspberry Pi boards, and demonstrated device interconnection with a practical application.

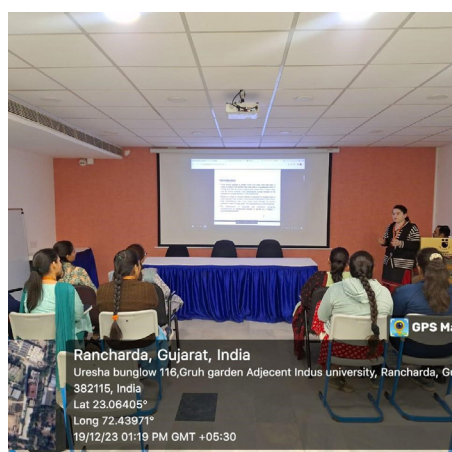


The Department of Computer Science had organized the second session under “Train the Trainer” of Mr. Deepal Shah, Faculty member, IICT on the topic of “IoT Applications and Protocols”, on October 28, 2023. More than 20+ Faculty members joined as the audience for the same.



The Department of Computer Science organized 4th sessions of “Train the Trainers” under which the resource person. The topics discussed were Introduction, Comparison of managing the data in the previous era with today’s techniques and future and Data Scaling.

The Department of Computer Science organized a Train the Trainer Session on “Journal Indexing - SCOPUS /WEB OF SCIENCE /UGC-CARE” for the faculty members of Indus University, on January 27, 2024. The session covered the functions and usability of Scopus, UGC CARE, and Web of Science journals, along with the submission process for research papers and reviews.



The Department of Computer Science organized a Knowledge Sharing Session on December 19, 2023, under which the resource person, Dr. Disha Shah conducted a session on “Analyzing Fingero-imbibition Phenomenon in an Inclined Heterogeneous Porous Medium with Magnetic Field Effect: A Quantitative Approach”.





The Department of Computer Science hosted “Agnitio 2024” on March 7, 2024, featuring 15 performances, including a faculty quiz and a fashion show. The theme, “Gen Z vs Millennials,” showcased the shared experiences and perspectives of the two generations.

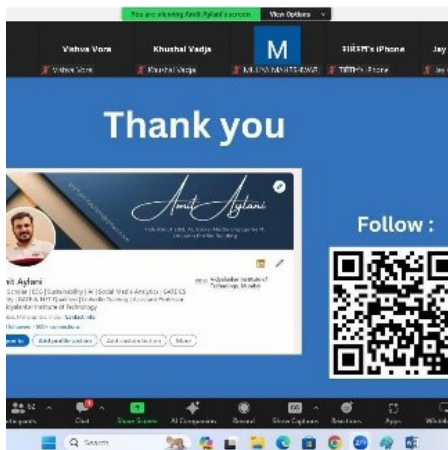
The Department of Computer Science organized a Train the Trainer Session on “Introduction to Matlab” for the faculty members of Indus University, on February 24, 2024. The session covered MATLAB basics, including features, syntax, data types, and programming constructs, with hands-on exercises for practical experience, providing participants a solid foundation for future use.



The Department of Computer Science hosted a Train the Trainer session on Magento for faculty. Ms. Hirva Gohel covered Magento’s origins, features, real-world applications, and future trends on March 16, 2024.

Workshop on examination reforms, covering OBE, Bloom’s Taxonomy, and exam question framing to assess students’ capabilities after completing their UG/PG programs on April 27, 2024.

The Department of Computer Science had organized a workshop on “LinkedIn Mastery: Elevate Your Profile and Expand Your Network for Career Success” on February 24, 2024 in the virtual mode.



The Department of Computer Science organized an NPTEL “SWAYAM” courses awareness activity on January 24, 2024, where faculty explained course enrollment, the credit system, and the examination process as part of NEP-2020. An earlier session for PG students was held on January 9, 2024.

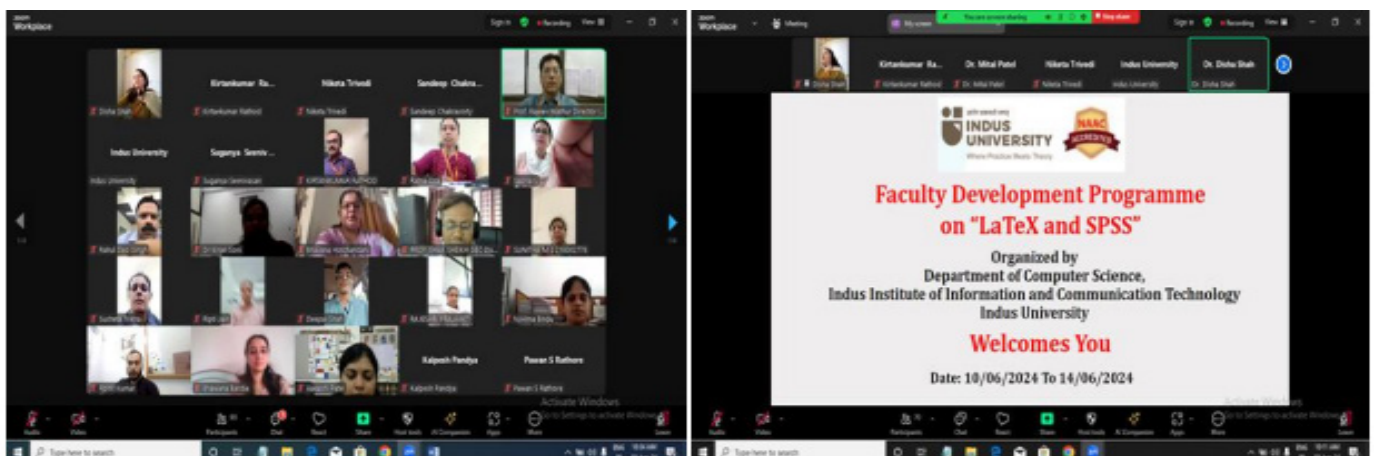




The Department of Computer Science hosted a Train the Trainer session on MapReduce, led by Ms. Archana Srivastava on June 1, 2024,. The session covered MapReduce's benefits, features, and its role in processing large data volumes.



The Department of Computer Science organized a “Train the Trainer” session on “Generative AI & The Future of Education” on May 11, 2024, with Assistant Professor Manisha Bhatol. The event saw 30 groups participating, divided into AI-oriented and application-oriented categories.



## Indus Institute of Management Studies (IIMS)

Indus Institute of Management Studies hosted a session on “Stress Management Lessons with The Bhagwat Gita” on October 27, 2023, led by Dheer Dhruv Das Ji. The session, attended by professionals, students, and others, provided valuable insights on managing stress in daily life.

Indus Institute of Management Studies conducted Parents Teachers Meetings between October 25 and October 31, 2023, for effective communication and feedback.

Indus Institute of Management Studies began the semester with its 1st Industry Interaction Series on January 30, 2024, organized by Dr. Rajesh Ojha and the Indus I3 cell. Mr. Sachin Gupta, Vice President of Wholesale Banking at IDFC First Bank, delivered an expert lecture on ‘Career in Banking and Financial Services.’

Indus Institute of Management Studies organized an expert online session on ‘Johari Window and Transactional Analysis’ on October 18, 2023, conducted by Dr. Ravindra Dey, Professor-Head of OB & HR, Xavier Institute of Management & Research, Mumbai

Indus Institute of Management Studies celebrated cycle tour day on December 10, 2023, at Sabarmati RiverFront to create awareness about the importance of physical health among students and staff.

Indus Institute of Management Studies organized the 1st Industry Interaction Session on July 25, 2023, featuring Mr. Ravi Shah, Partner at Cyril Amarchand Mangaldas, Ahmedabad. He delivered a guest session on “Legal Insights for Future Business Leaders” for Management students.



Indus Institute of Management Studies organized a “Talent Show” on July 28, 2023, providing fresher students a platform to showcase talents like Dance, Singing, Karate, and Beatboxing. 43 students participated, making the event a success.



Indus Institute of Management Studies organized an expert session on July 11, 2023, by Dr. Prateek Kanchan, Professor and Director at BK School of Professional and Management Studies, on “Advertising in the Current Era”



Indus Institute of Management Studies hosted an insightful session by Mr. Praveen Bhasker Jha, Vice President at Fincare Small Finance Bank, Ahmedabad, on “Small Finance Banks - Opportunities & Challenges” for over 140 students, focusing on key concepts and opportunities in the Sector.

Indus Institute of Management Studies on October 24, 2023, organized an ISR activity where 25 MBA semester 1 students celebrated Dussehra with senior citizens at Avval Foundation, Ahmedabad. The event included games like passing the parcel, bowling, and antakshari, concluding with gift-giving and Ambe Ma aarti.



Indus Institute of Management Studies hosted a live screening of the Union Budget 2024-25 on February 1, 2024, coordinated by Lt. (Dr.) Parshva Shah. The session, attended by 123 students, aimed to enhance understanding of budget preparation, sector analysis, and government economic priorities.



Indus Institute of Management Studies hosted Mr. Pranav Parikh, Regional Business Head at Bajaj Finserv Asset Management, for a guest session on “Mutual Funds: Opportunities & Challenges” on February 21, 2024. Over 100 students attended, and Mr. Parikh awarded certificates to participants of the “Finance for Non-Finance Professionals” program.



Indus Institute of Management Studies hosted an expert lecture on Innovation & Entrepreneurship by Mitticool founder Mr. Mansukhbhai Prajapati on February 19, 2024, ahead of Management Day. Over 100 students explored sustainable innovation and its industrial applications.

Indus Institute of Management Studies hosted a session on “Reading Implications on a Successful Career” on February 20, 2024, led by Mr. Yogesh Bajaj, AGM of The Times of India Group. The session, attended by 32+ students, emphasized the role of reading in character building, career success, and learning from great personalities



Indus Institute of Management Studies in association with WDC, hosted Mrs. Ruchi Chaudhary, Director of Shankus Group, on February 28, 2024, for a session on “Balancing Life and Business for Women Entrepreneurs.” Mrs. Chaudhary shared her entrepreneurial journey and time management strategies.



## Indus Institute of Science, Humanities & Liberal Studies (IISHLS)



The Astro Club, iSAC, and the Department of Physics organized an Astro Talk on “Chandrayaan-3 and Aditya-L1 Missions” on October 12, 2023, in association with VIBHA and Vigyan Gurjari. Dr. M. Shanmugam from PRL delivered the session..



The Department of Chemistry held a three-day workshop, “Mastering the Art of a Successful Interview Powered by AI Tools,” with Knowhow Academy, Ahmedabad, from January 23-25, 2024. Experts Mr. Juned Coach and Mr. Bhagyesh Ranpara trained 76 students and scholars. Seven participants received winner certificates for their exceptional performance.

The Astro Club, iSAC, and the Department of Physics hosted “Aditya Darshan” on February 2, 2024, with over 350 participants observing the moon and sunspots through Newtonian telescopes. The event also featured stunning images captured by the Astro Club and NASA for comparison.



The Department of English held a Poetry Recitation Competition on February 19, 2024, with over 40 students from various departments showcasing their skills.



IISHLS organized Indus Science Fest-24 on March 5-6, 2024, featured inspiring talks by experts including Dr. Arvind C. Ranade and Prof. K. N. Joshipura, highlighting themes like indigenous technologies, career opportunities, and traditional Indian science.

IISHLS hosted Sci-Innovators, Scientific Rangoli, and Scientific Poster Presentation competitions on March 5, 2024,





IISHLS hosted the Science Scavenger Game on March 6, 2024, with 77 participants, along with a Science Debate featuring 32 participants and the Sci-Toon competition with 13 students from various universities.

The Department of English organized an expert talk on “Goal Setting and Time Management” by Dean Dr. K.C. Roy on April 22, 2024. The session focused on setting clear goals, prioritizing tasks, and implementing effective time management strategies to enhance productivity and success.



A Parent-Teacher Meeting (PTM) for IISHLS students was held on April 13, 2024, where parents and teachers discussed student performance, attendance, and career guidance, concluding with parent feedback.



The Astro Club, iSAC, and the Department of Physics, IISHLS, acquired a Celestron Telescope with guidance from Dr. Ram Sharma, IISS. The telescope will enhance learning and community engagement. On April 22, 2024, a testing session was held on the Bhanwar building terrace, where the telescope's auto-tracking and resolution were used to capture images of the Moon and Orion Nebula.



## Indus Institute of Pharmacy and Research (IIPR)

The Indus Institute of Pharmacy celebrated World Pharmacists' Day 2023 on September 25, with the theme "Pharmacy Strengthening Health Systems - AngdaanMahadaan." Activities included poster making, pharma marketing, and Nukkad Natak. Mr. Valay Modi, Assistant Commissioner of the Food and Drugs Control Authority, attended the event, participation from 45 IIPR students and 22 from other colleges.



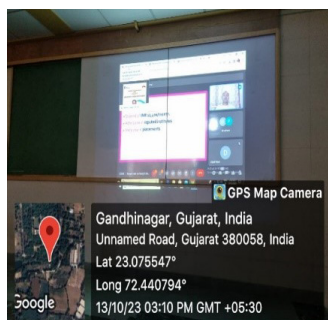
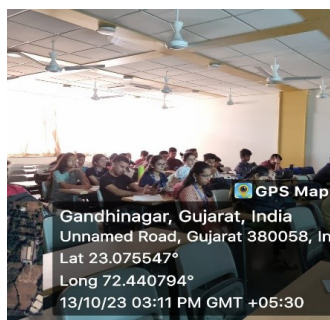
The Indus Institute of Pharmacy organized an expert talk on the "Role of the Autonomic Nervous System in Cardiac Physiology" for B. Pharm 1st and 3rd Semester students. Mr. Mittal Dalal, Assistant Professor at L. M. College of Pharmacy, led the session, discussing the link between the autonomic nervous system and cardiac function, including heart rate, contractility, and cardiovascular health.



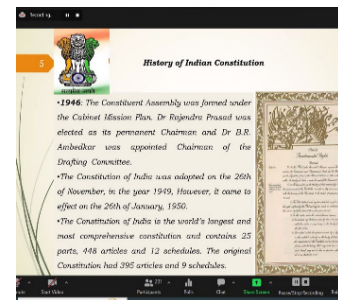
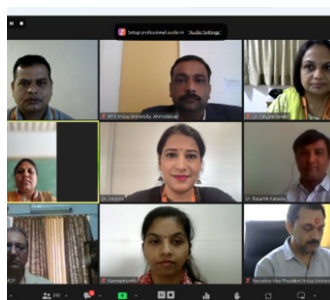
The Indus Institute of Pharmacy Students' attended Pharmavision 2023, a national-level seminar organized by Akhil Bharatiya Vidyarthi Parishad and Anand Pharmacy College on September 16-17, 2023. A total of 20 B. Pharm. students participated in events like Pharma Recipe, Poster Presentation, Pharmapreneur, Youth Parliament, and more, alongside over 2000 students from various pharmacy colleges across Gujarat.

organized an expert talk on "AI in Pharmaceuticals" for B. Pharm 1st and 3rd Semester students, led by Mr. Pradeep R. Shukla, Head of R&D, QA, and RA at Indeus Life Sciences Pvt. Ltd. The talk explored the applications and advancements of AI.





The Indus Institute of Pharmacy and Research organized an expert talk on October 13, 2023, for B. Pharm 1st and 3rd Semester students, led by Dr. Umang Shah. The talk covered the GPAT exam, its syllabus, preparation tips, and its significance for M. Pharm admission and stipend eligibility.



The Indus Institute of Pharmacy and Research (IIPR) organized a two-day Online Refresher Course for Registered Pharmacists on October 28-29, 2023, sponsored by Gujarat State Pharmacy Council. Around 300 pharmacists participated, learning about drug bioavailability, patient counseling, and drug interactions. Experts, including Dr. Kaushik Kanada and Shri Harshadbhai Patel, contributed valuable insights, with Shri Jashubhai Chaudhary concluding with details on GSPC activities and online renewal processes.

The Indus Institute of Pharmacy and Research organized an expert session on February 2, 2024, by Dr. Ashutosh Jani, Head of Clinical Operations at Veeda Clinical Research Limited. The session on “Clinical Study Design and Mechanism of Covid Vaccines” provided insights into drug development practices. It was attended by 70 students and faculty members.



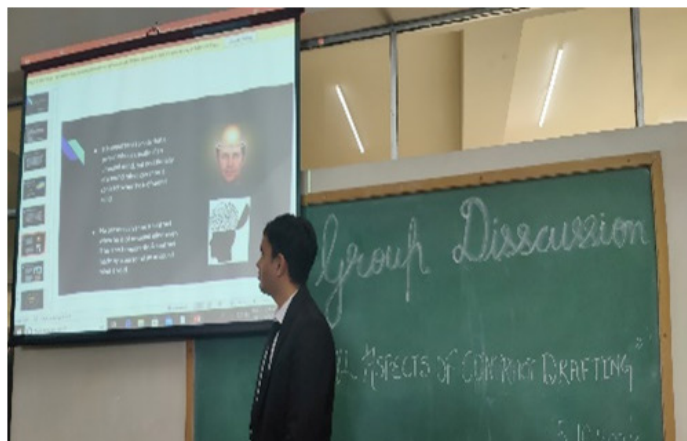
The Indus Institute of Pharmacy & Research hosted an expert talk on February 8, 2024, titled “Unlocking Success: Navigating Study and Entrepreneurship” by Mr. Krishnakant Patel, Founder and MD of Zeon Group. The session offered valuable insights on balancing academics with entrepreneurial pursuits, inspiring students with entrepreneurial aspirations.



The Indus Institute of Pharmacy and Research organized an expert session on BA/BE Studies in Clinical Research on February 15, 2024, by Mr. Vipul Patel, covering drug discovery, clinical trials, and pharmacokinetics, followed by a Q&A session. The Indus Institute of Pharmacy and Research organized an expert talk on Quality Perspective in Pharmaceutical Industry on April 3, 2024, by Dr. Keur Ahir. The session covered regulatory requirements, GMP, quality control, and emerging trends in quality assurance.

## Indus Institute of Law (IIL)

The Indus Institute of Law organized a group discussion on “Legal Aspects of Contract Drafting” on October 5, 2023, where law students exchanged ideas on contract drafting and its legal intricacies, enhancing their critical thinking and communication skills.







ICSII

Indus Center for Startups,  
Incubation & Innovation



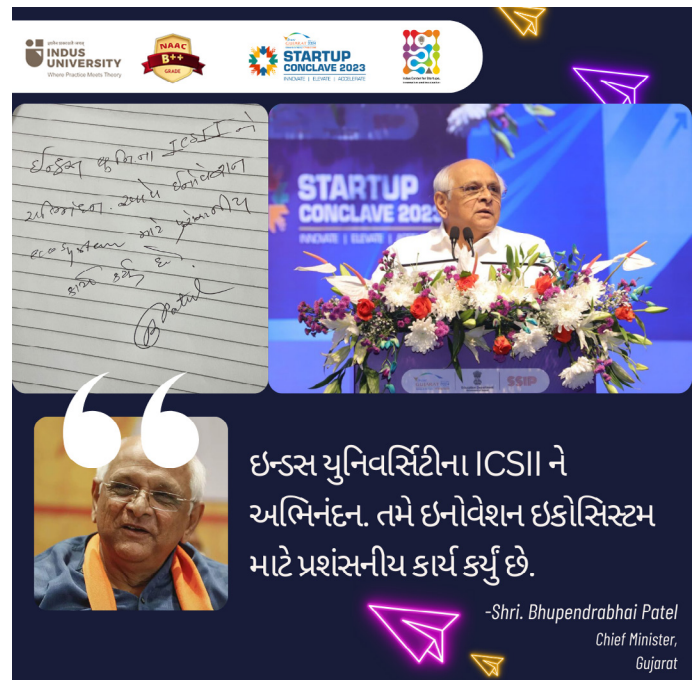
# Indus Center for Startups, Incubation & Innovation (ICSII)

Indus University

Academic Year 2023-24

## Highlights in Innovation and Entrepreneurship Ecosystem

### A Proud Milestone - National Leaders Applaud ICSII's Vision and Efforts



We take immense pride in highlighting a momentous occasion during the StartUp Conclave 2023, where Shri. Rajeev Chandrashekhar, Honourable Minister of Skill Development & Entrepreneurship, Electronics & Information Technology, India, and Shri. Bhupendrabhai Patel, the Honourable Chief Minister of Gujarat, appreciated the efforts of ICSII in StartUp & Innovation Ecosystem.





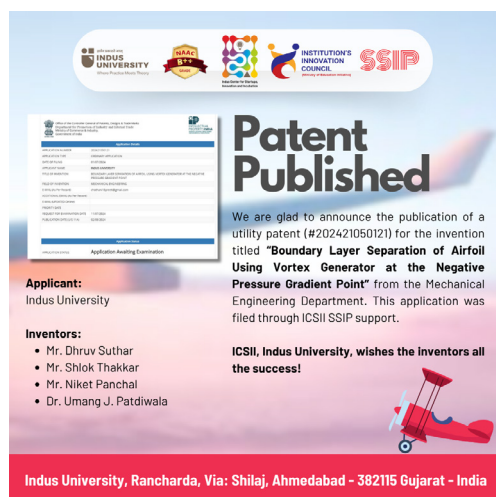
## ICSII PIC Receives a Seed Grant from GUJCOST, DST:

The Indus Institute of Pharmacy and Research organized an expert talk on October 13, 2023, for B. Pharm 1st and 3rd Semester students, led by Dr. Umang Shah. The talk covered the GPAT exam, its syllabus, preparation tips, and its significance for M. Pharm admission and stipend eligibility.



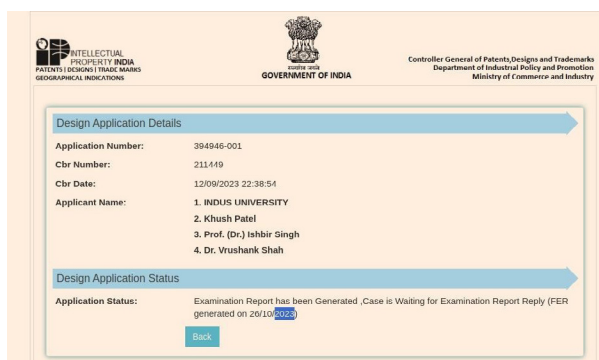
## MoU Signed Between ICSII, Indus University and GUJCOST for IP Cell Establishment

November 22, 2023: In a significant stride towards fostering innovation, Indus University and the Gujarat Council on Science and Technology (GUJCOST) have entered into a Memorandum of Understanding (MoU). The agreement outlines the establishment of an Intellectual Property (IP) Cell at Indus University, supported by GUJCOST's financial and academic backing. Under this collaboration, the IP Cell at Indus University is tasked with promoting intellectual property rights, fostering creativity, and encouraging innovation within the university community. GUJCOST, recognizing the university's potential, will provide seed funding, academic support, and facilitate patent analysis and filing.



## Patent Milestones: Indus University's Contribution to diverse domains

Indus University takes pride in announcing the publication of a utility patent (Application No. 202421050121) titled "Boundary Layer Separation of Airfoil Using Vortex Generator at the Negative Pressure Gradient Point." This remarkable invention originates from the Mechanical Engineering Department and demonstrates the university's commitment to advancing research and innovation. The patent application was successfully filed with the support of ICSII SSIP (Indus Center for StartUp Innovation & Incubation - Student Start-Up and Innovation Policy), highlighting the robust ecosystem for nurturing creativity and intellectual property at Indus University.



## Design Patent Filed by ICSII gets Published

ICSII is happy to share that the Intellectual Property Rights (IPR) application for the Industrial Design for the project title 'Wireless Projection System' has reached the FER stage which was filed with ICSII SSIP support on September 12, 2023 with application number 394946-00. Applicants/Innovators: Indus University, Prof. (Dr.) Ishbir Singh, Dr. Vrushank Shah, Mr. Khush Patel

## IP Achievements: Publication of Three Patents Filed by ICSII:

Indus University, distinguished by its unwavering commitment to pioneering research and innovation, reaches a significant milestone with the recent publication of three patents filed by the Indus Center for Startups, Innovation, and Incubation (ICSII) in November 2023.

These patents, emblematic of the collaborative endeavors facilitated by ICSII, span a diverse spectrum of technological advancements. The publications not only underscore the intellectual prowess inherent to Indus University but also accentuate the substantial contributions made by ICSII to the global arena of innovation

(12) PATENT APPLICATION PUBLICATION	(21) Application No.202321064361 A
(19) INDIA	
(22) Date of filing of Application :25/09/2023	(43) Publication Date : 24/11/2023
(54) Title of the invention : AN APPROACH TO CREATING AN IMPELLER PATTERN FOR INVESTMENT CASTING USING A FUSED DEPOSITION METHOD	
(51) International classification (86) International Application No (87) International Publication No (61) Patent of Addition to Application Number (62) Divisional to Application Number (57) Abstract :	(71) Name of Applicant : INDUS UNIVERSITY Address of Applicant :Indus University, Rancharda, via Shilaj, Ahmedabad-382115, Gujarat Ahmedabad Name of Applicant : NA Address of Applicant : NA (72) Name of Inventor : 1)Dr. Dhiren Patel Address of Applicant :Indus University, Rancharda, via Shilaj, Ahmedabad-382115, Gujarat Ahmedabad 2)Mang P Shah Address of Applicant :Indus University, Rancharda, via Shilaj, Ahmedabad-382115, Gujarat Ahmedabad 3)Parth Munagara Address of Applicant :Indus University, Rancharda, via Shilaj, Ahmedabad-382115, Gujarat Ahmedabad 4)Vigneshraaj Chitroda Address of Applicant :Indus University, Rancharda, via Shilaj, Ahmedabad-382115, Gujarat Ahmedabad 5)Dhishkumar Karetya Address of Applicant :Indus University, Rancharda, via Shilaj, Ahmedabad-382115, Gujarat Ahmedabad

As these patents enter the public domain, both Indus University and ICSII take pride in their roles as focal points for cutting-edge research and catalysts for technological advancement.

On this front, ICSII encourages students and faculties to engage in intellectual property (IP) endeavors and extends robust IP support under various schemes, including SSIP, GUJCOST, Kapila, and others. The institutions eagerly anticipate continued contributions to the intellectual property, further solidifying their steadfast commitment to cultivating an environment conducive to the flourishing of innovation

## Utility Patent Filed by ICSII gets Published


The patent application for the invention, 'Bionic Arm-A myoelectric prosthetic with a closed-loop feedback system,' filed by ICSII under SSIP 2.0 is Published. The application bears the application number 202321070801.

Applicant: Indus University


Innovators: Dr. Mitesh Munpla, Mr. Vishvarajsinh Gohil, Mr. Vandan Gandhi

(12) PATENT APPLICATION PUBLICATION	(21) Application No.202321061137 A
(19) INDIA	
(22) Date of filing of Application :11/09/2023	(43) Publication Date : 24/11/2023
(54) Title of the invention : AN IMPROVED PROCESS FOR THE PRODUCTION OF ACTIVATED CARBON FROM PARTHENIUM	
(51) International classification (86) International Application No (87) International Publication No (61) Patent of Addition to Application Number (62) Divisional to Application Number (57) Abstract :	(71) Name of Applicant : INDUS UNIVERSITY Address of Applicant :Indus University, Rancharda, via Shilaj, Ahmedabad-382115, Gujarat Ahmedabad Name of Applicant : NA Address of Applicant : NA (72) Name of Inventor : 1)Mr. Munil Salot Address of Applicant :Assistant Professor, Indus University, Rancharda, Ahmedabad, Gujarat 382115, India Ahmedabad 2)Mr. Gaurav Awasthi Address of Applicant :Assistant Professor, Indus University, Rancharda, Ahmedabad, Gujarat 382115, India Ahmedabad 3)Dr. Santhya K. Address of Applicant :Associate Professor, Indus University, Rancharda, Ahmedabad, Gujarat 382115, India Ahmedabad 4)Dr. Sujay Chaudhary Address of Applicant :Professor, Indus University, Rancharda, Ahmedabad, Gujarat 382115, India Ahmedabad (57) Abstract : ABSTRACT An improved process for the production of activated carbon from Parthenium The present invention relates to a process for the production of activated carbon from the parthenium for the removal of copper ions from the wastewater of electroplating industry. The activated carbon is prepared using calcium chloride at 2:1 ratio (calcium chloride: parthenium) at 400°C and 550°C. The developed activated carbon from parthenium have shown the effectiveness for the removal of copper ions from the wastewater of electroplating industry.

(12) PATENT APPLICATION PUBLICATION	(21) Application No.202321061138 A
(19) INDIA	
(22) Date of filing of Application :12/09/2023	(43) Publication Date : 24/11/2023
(54) Title of the invention : PROCESS FOR MAKING GRAPHENE-TUNGSTEN OXIDE COMPOSITE NANOPOWDER FOR HIGH PERFORMANCE SUPERCAPACITOR AND ORGANIC GAS SENSOR	
(51) International classification (86) International Application No (87) International Publication No (61) Patent of Addition to Application Number (62) Divisional to Application Number (57) Abstract :	(71) Name of Applicant : INDUS UNIVERSITY Address of Applicant :Indus University, Rancharda, via Shilaj, Ahmedabad-382115, Gujarat Ahmedabad Name of Applicant : NA Address of Applicant : NA (72) Name of Inventor : 1)Mr. Gaurav Awasthi Address of Applicant :Assistant Professor, Indus University, Rancharda, Ahmedabad, Gujarat 382115, India Ahmedabad 2)Mr. Munil Salot Address of Applicant :Assistant Professor, Indus University, Rancharda, Ahmedabad, Gujarat 382115, India Ahmedabad 3)Dr. S. Santhya Address of Applicant :Associate Professor, Indus University, Rancharda, Ahmedabad, Gujarat 382115, India Ahmedabad 4)Dr. Shiv Govind Singh Address of Applicant :Professor, Department of Electrical Engineering, Indian Institute of Technology, Hyderabad 502284, India Ahmedabad 5)Mr. D. Dinosh Address of Applicant :Assistant Professor, Bharati Amman Institute of Technology, Sathyamangalam, Tamil Nadu 638001, India Ahmedabad 6)Dr. Niranjan Jangamrao Address of Applicant :Sr. Scientist, Institute of Plasma Research, Gandhinagar, Gujarat 382429, India Ahmedabad 7)Dr. Sujay Krishna Chaudhary Address of Applicant :Professor, Indus University, Rancharda, Ahmedabad, Gujarat 382115, India Ahmedabad



Office of the Controller General of Patents, Designs & Trade Marks  
Department of Industrial Policy & Promotion,  
Ministry of Commerce & Industry,  
Government of India



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www.epoindia.gov.in

Application Details

APPLICATION NUMBER	202321070801
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	17/10/2023
APPLICANT NAME	INDUS UNIVERSITY
TITLE OF INVENTION	BIONIC ARM-A MYOELECTRIC PROSTHETIC WITH CLOSED LOOP FEEDBACK SYSTEM
FIELD OF INVENTION	BIO-MEDICAL ENGINEERING
E-MAIL (As Per Record)	Chodman11@gmail.com
ADDITIONAL E-MAIL (As Per Record)	
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	18/10/2023
PUBLICATION DATE (U/S 11A)	17/11/2023

Application Status

APPLICATION STATUS	Application Awaiting Examination
	<a href="#">View Documents</a>





## Patent filed by ICSII gets published (App. No. 202321083334 A)

The patent application filed by ICSII under SSIP 2.0, titled “Improved method for partial replacement of natural sand in concrete by investment casting shell powder” (Application Number: 202321061133 A), and attributed to inventors Mr. Monil Salot, Dr. Gaurav Awathi, Dr. Sujoy K. Chaudhury, Dr. K. Santhy, Mr. Bhushan Kumbhar, Mr. Vyanktेश Udawant, Mr. Vishal Wanave, and Mr. Omkar Sawant, was published on February 23, 2024. This publication initiates a 6-month pre-grant opposition period, after which the patent may be granted if no oppositions are filed. ICSII will keep the inventors informed of any updates from the patent office or their attorney. Congratulations to the inventors on taking this important step towards securing intellectual property rights for their invention!

## Patent filed by ICSII gets published (App. No. 202321083334 A)

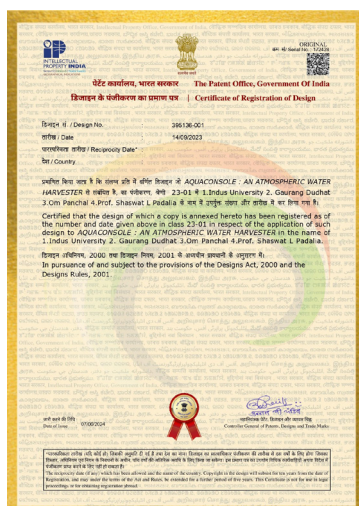
The Patent filed by ICSII titled ‘Sustainable Soil Management Using IoT for Real-Time Nutrient Analysis’ (Application No. 202321083334 A) bearing Indus University as the applicant and comprising of inventors Mr. Divyesh Joshi, Prof. (Dr.) Ishbir Singh and Dr. Vrushank Shah was published on January 26, 2024. This invention represents a solution aimed at present agricultural practices. Using the Internet of Things (IoT), the system provides real-time analysis of nutrient levels in soil, offering a comprehensive understanding of the soil’s health. This innovation is designed to enhance sustainable soil management by enabling farmers to make data-driven decisions regarding fertilization, irrigation, and crop selection. The integration of IoT technology ensures accurate and timely monitoring, contributing to increased crop yields, resource optimization, and overall efficiency in agricultural operations.

## Two more Patents filed by ICSII gets GRANTED

The Patent filed by ICSII titled ‘Hydromist Cannon’ (Application No. 202321083334 A) bearing Indus University as the applicant and composed of inventors Prof. Shaswat L. Padalia, Parth Panchal was published on January 26, 2024.

(12) PATENT APPLICATION PUBLICATION (19) INDIA (22) Date of filing of Application : 07/12/2023	(21) Application No.202321083334 A  (43) Publication Date : 26/01/2024
(54) Title of the invention : SUSTAINABLE SOIL MANAGEMENT BY USING IOT FOR REAL-TIME NUTRIENT ANALYSIS	
(51) International classification : H04W0004380000, H04W0004800000, G06Q0050920000, A01B0079000000, H04L0067120000	(71)Name of Applicant : INDUS UNIVERSITY Address of Applicant :Indus University, Rancharda, via Shilaj, Ahmedabad-382115, Gujarat Ahmedabad ----- Name of Applicant : NA Address of Applicant : NA (72)Name of Inventor : 1)Divyesh Joshi Address of Applicant :ECE, IITE, Indus University, Gujarat Ahmedabad ----- 2)Prof. (Dr.) Ishbir Singh Address of Applicant :Professor, Mechanical Engineering Department, IITE, Indus University, Gujarat Ahmedabad ----- 3)Dr. Vrushank Shah Address of Applicant :Assistant Professor, Electronics and Communication Engineering Department, IITE, Indus University, Gujarat Ahmedabad ----- 4)Dr. Doodarshi Singh Address of Applicant :Associate Professor, Mechanical Engineering Department, Baba Banda Singh Bahadur Engineering College, Fatehgard Sagbi, Punjab Ahmedabad -----
(86) International Application No : NA Filing Date : NA (87) International Publication No : NA (61) Patent of Addition to : NA Application Number : NA Filing Date : NA (62) Divisional to Application Number : NA Filing Date : NA	
(57) Abstract : Sustainable Soil Management by using IoT for Real-Time Nutrient Analysis The present invention relates to a transformative system for sustainable soil management in agriculture, leveraging the power of the Internet of Things (IoT) for real-time nutrient analysis. The present system incorporates IoT devices with sensor arrays, a central database for real-time data storage and analysis, and specialized software applications with user-friendly interfaces and a recommendation engine. It continuously monitors essential soil parameters, provides real-time insights into soil conditions, and empowers farmers to optimize fertilizer application. This invention not only mitigates over-fertilization and under-fertilization issues but also supports sustainable agricultural practices. The present IoT-based real-time nutrient analysis system represents a significant advancement in agriculture, promoting efficiency, productivity, and environmental responsibility, ultimately contributing to global food security and environmental preservation. No. of Pages : 23 No. of Claims : 10	

(12) PATENT APPLICATION PUBLICATION (19) INDIA (22) Date of filing of Application : 07/12/2023	(21) Application No.202321083334 A  (43) Publication Date : 26/01/2024
(54) Title of the invention : SUSTAINABLE SOIL MANAGEMENT BY USING IOT FOR REAL-TIME NUTRIENT ANALYSIS	
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(86) International Application No : NA Filing Date : NA (87) International Publication No : NA (61) Patent of Addition to : NA Application Number : NA Filing Date : NA (62) Divisional to Application Number : NA Filing Date : NA	
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## **‘Policy for Promoting Innovation, Startup, Incubation and Entrepreneurship at Indus University’:**

‘Policy for Promoting Innovation, Startup Incubation, and Innovation Entrepreneurship at Indus University’ has received formal approval from the Academic Council. This dynamic, comprehensive and improved policy, designed to foster a culture of innovation, will be applicable retrospectively, ensuring that its benefits extend to all stakeholders. It is noteworthy that this policy comes into effect retrospectively and supersedes all existing policies related to innovation and entrepreneurship at the University, consolidating a comprehensive framework to support and propel the entrepreneurial spirit among our students. The policy has been shared by Dean R&D via email to the Indus Family.

## **ICSII at StartUp Conclave 2023**

ICSII is happy to share that the Intellectual Property Rights (IPR) application for the Industrial Design for the project title ‘Wireless Projection System’ has reached the FER stage which was filed with ICSII SSIP support on September 12, 2023 with application number 394946-00.

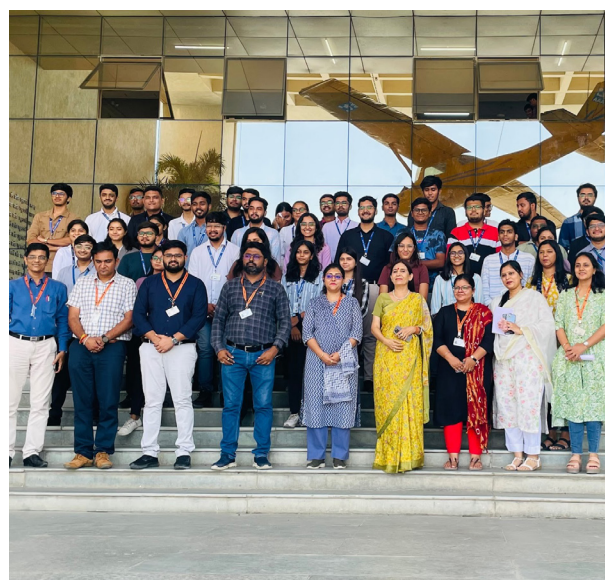
Applicants/Innovators:

Indus University, Prof. (Dr.) Ishbir Singh, Dr. Vrushank Shah, Mr. Khush Patel



## **SMART INDIA HACKATHON (SIH) 2023 University Round organized by ICSII**

The SIH 2023 is a national event powered by the Ministry of Education and AICTE. The Smart India Hackathon-2023 Internal Round, led by Prof. Mansi Mehta, team ICSII, who acted as SPOC SIH23 for IU was a dynamic showcase of students’ innovative prowess and technological problem-solving. It served as a platform for creative entrepreneurship and took place on Saturday, 30th September 2023, both online and on-campus at the MCA Lab, Indus University Campus.





## **New India Vibrant Hackathon (2023)**

In a spirited display of innovation, four following shortlisted teams recently represented Indus University at the New India Vibrant Hackathon 2023 held at Gujarat Technological University (GTU), organized under SSIP (Student Startup and Innovation Policy), Education Department, Government of Gujarat. This dynamic event, known for its real-world problem-solving approach, provided the perfect platform for the quartet to showcase their skills and contribute to positive change.

### **Participation of IU in CVM Hackathon**

A student team, led by Kevin Doshi from CE IITE Indus University, was selected to participate in the CVMU Hackathon under the mentorship of Prof. Shaswat L. Padalia. The CVMU Hackathon 2024 offers five categories for student participation, including Life Science and Agriculture, Engineering and Technology, Emerging Technologies, as well as specific innovation categories for and school students. Each category presents unique problem statements and guidelines, allowing students to explore innovative ideas within their fields of interest and expertise.

## **ICSII StartUp Connect: MBA Students Gain Insights from 11 Incubated Entrepreneurs**

In a stimulating academic activity, the Indus Center for Startups, Incubation, and Innovation (ICSII) facilitated the interaction of 11 entrepreneurs with MBA students. These passionate founders engaged in a series of interviews, sharing their invaluable insights and experiences with the aspiring business leaders. This interaction provided the MBA students with the unique opportunity to learn from seasoned professionals, gaining firsthand knowledge about the challenges and rewards of the entrepreneurial journey.





## Glimpses of 7th Convocation



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