



i360 NEWSLETTER
2023
Volume 2



In Spotlight
“Mr. Surinder Singh Shekhawat”

Events/Achievements - Indus University

Dr. Anar Patel participated in IP awareness program under National Intellectual Property Awareness Mission, organized by IP India and NiPAM on May 1, 2023.

The IIDEA Lecture Series is an initiative of the Indus Architecture School (IAS). The lecture series provides the students at IIDEA the opportunity to expand their knowledge in the domain of architectural practices by inviting eminent academics and professionals in the field of architecture across India to gain insights into their works.

The guest lecturer invited for the first IIDEA Lecture Series 2022-2023 for the May session was Professor Bijoy Ramachandran, Architect and Urban Designer. The event was attended by the faculties and students of IAS and IDS, IIDEA. Professor Bijoy Ramachandran presented discourses on the theme of the Lecture 'Series, Socio-Spatial Narratives: Intrinsic and Manifested' on May 2, 2023. The lecture was highly engaging, followed by 30 minutes of an interactive discussion session. The students were intrigued by the insights shared during the lecture and raised relevant inquiries that would help them understand the realm of architecture design and relate it to their design process working.

The lecture was organized by Assistant Professor Shreya Kaul.



Dr. Daisy Kurien, IIMS attended a one week online Faculty Development Program on 'Introduction to Structural Equation Modeling(SEM) using SPSS/AMOS/ADANCO/R-studio/SmartPLS' organized by Department of MBA, Sanjivani College of Engineering, Kopargoan (An autonomous Institute) from 1st May to 7th May, 2023.

Dr. Ketan Lakhtaria delivered an expert lecture on 'Optimal consumption of Water Resources' as a keynote speaker at GSET-GTU, Ahmedabad organized by The Institute of Engineers (India) Gujarat State Centre on 12th May, 2023.



Dr. Nagesh Bhandari and Dr. Ritu Bhandari, the founders and Presidential Secretariats of Indus University Ahmedabad, Ms. Radhika Bhandari, the Director of the Western India Institute of Aeronautics Pvt Ltd at Indus University and the Aviation Dean of Indus University visited MIMC campus and Mahabodhi residential school on 13 of May and had discussion with Bhikkhu Sanghasena on various branch of education programs and agreed to work together to provide quality education.

MIMC and Indus University have signed MoU several years back. Ms. Radhika Bhandari gave a powerpoint presentation on the various courses offered by Indus University to the senior students of Mahabodhi high secondary school. They have very generously agreed to sponsor the higher education of some of the brilliant students of Mahabodhi residential school(MRS) at their university in Ahmedabad. They will also support the science lab at MRS and the tree plantation project of MIMC. Under the visionary leadership of Bhikkhu Sanghasena MIMC is fortunate to have MOU with several leading international universities. Many students of Mahabodhi residential school will have special scholarships and opportunities to study in several leading universities.





Assistant Professor Vishal Chudgar, IIDEA attended CEPT Conference on Urban Design in India on 9th and 10th May, 2023.



Dr. Daisy Kurien, IIMS presented paper entitled 'Understanding Layoffs: Reasons and Impact on Stakeholders' at e-International Conference Organized by Narayana Business School, Ahmedabad on May 13, 2023.

Summer Collaborative Program 2023, Indus Architecture School

The Summer Collaborative Program 2023, titled 'Context and Anatomy in Architecture: a travel-based workshop in Ladakh' was conducted from 18th to 30th May 2023 in collaboration with the founders of Field Architects—Ar. Faiza Khan and Ar. Suril Patel, and students of Indus Architecture School. 21 students from IAS, with a mix of students from Semester 4, 6, and 8 registered in this programme.

The 10-day experiential workshop offered the students a platform to explore and learn about the local Ladakhi built forms, and visit restoration and adaptive-reuse projects. The students also learnt about the relationship between context, material, structure, geometry and handcraft through the contemporary vernacular architecture projects of Field Architects. The documentation of the collaborative program has been conducted in Phey village, along with study trips to Alchi, Saspol, Basgo, and the hands-on workshop on Ladakhi construction techniques in Agling, in the district of Leh, Union Territory Ladakh.

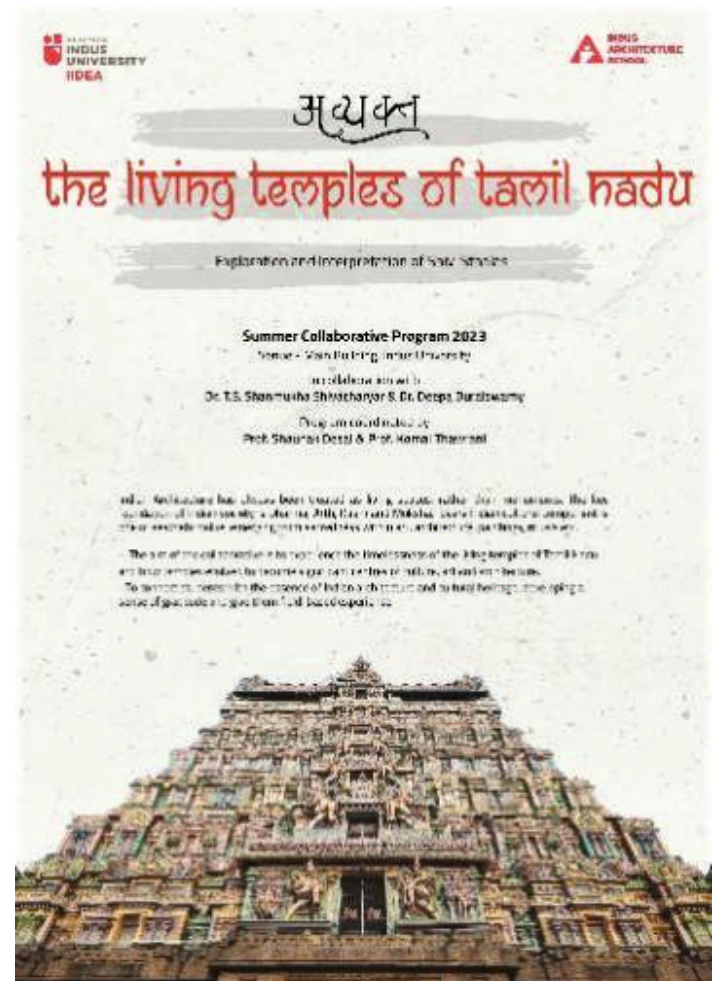
On the completion of the Collaborative Program, there were exhibitions conducted in Leh showcasing the students' work. The exhibition at Leh was conducted on 29th May 2023, at the Spindle Art Studio and Gallery, Old town Leh, Ladakh. The program coordinators assisting the students from IAS were Assistant Professor Shreya Kaul and Assistant Professor Naitik Vakharia.



Cultural Narratives of Temples, Living Temples of Tamil Nadu

Summer Collaborative Program 2023, Cultural Narratives of Temples, Living Temples of Tamil Nadu was conducted from 16th May 2023 to 27th May 2023.

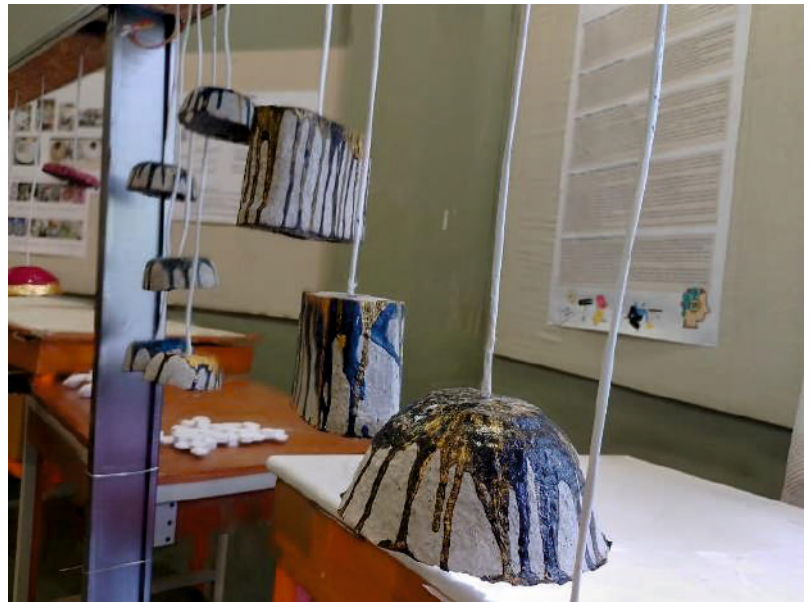
The program aimed to connect the students with the essence of Indian temple architecture and cultural heritage, developing a sense of gratitude and giving them field-based experience. With the intent to experience the timelessness of the Indian Temple Architecture, three temple towns of Tamil Nadu were chosen for the study; namely, Kanchipuram, Tiruvannamalai and Chidambaram. The program explored the spiritual, cultural and ritualistic aspects of temples and analyzed their spatial organization as a means of social and spiritual expression. Collaborators for the program were Dr. T.S. Shanmukha Shivacharyar, a scholar on ancient Indic texts and philosophy related to Shaivism and Dr. Deepa Duraiswamy who holds degrees in engineering and management from the University of Pune and IIM Calcutta and doctorate in "Temple Management in the Agamas" at the Department of Sanskrit, University of Madras. Total 23 students opted for the collaborative which was conducted by Ar. Shaunak Desai and Ar. Komal Thawrani, Faculty, Indus Architecture School.



Design Expo May 2023

Indus Design School's student organized exhibition named "Expo Unveil Design" on May 22-23, 2023. The exhibition showcased an array of stunning visual aesthetics and thought-provoking concepts. Each exhibit featured the remarkable work of talented students, who had poured their passion and skills into their projects. The meticulously crafted designs spanned various disciplines, including industrial design, graphic design, fashion design, and many more.

Students from all the Design discipline showcased their work of the semester. It was an open exhibition with numerous visitors from different walks of life. In this exhibition, students emphasize sustainability, eco-friendly, and carbon-free practices. In Material and Processes and Ecofriendly Project students exhibit eco-friendly products and installations made of Terracotta and Paper Mache to address the need for sustainable living. Students presented their learning processes in the form of Infographic panels and products to support their research and design process. Students also presented their skillsets of technical learning along with material handling. The exhibition was also graced with the visit of Dr. Nagesh Bhandari, Honourable Presidential Secretariat of Indus University and Dr. Sandeep Chakravorty, Honourable Executive President of Indus University, and other respected persons from the Indus family who appreciated the efforts of students and teachers for putting up such a great exhibition within a short span of time.





Ms. Honey Shivnani, Assistant Professor, DCS, IICT Ms.Honey Shivnani participated in the 'Webinar on Enhance your Microsoft 365 security with Cloudflare Zero Trust' organized by Cloudflare, on 23rd May, 2023.



Dr. Falguni Tandel, Principal, IIPR participated in one-day Workshop on 'Intellectual property rights', organized by GUSEC, Institute Of Innovation Entrepreneurship And Skills and Gujarat University on 26th May, 2023.



Ms. Dharinee Joshi achieved one more Gold Medal in Junior Category in Association of WPC National Powerlifting Championship held at Kalol , Ahmedabad on May 28, 2023.

Ms. Disha Parekh completed and received her PhD degree notification entitled "Notification on Breast cancer diagnosis and enhanced detection Mechanism: On a Dicom based data set with machine learning supervised algorithm and enhancing the prediction accuracy by implementing Ensemble algorithm" on 27th May 2023. She completed her Ph.D under supervision of Prof.(Dr.) Vishal Dahiya, HoD, IICT.



Dr. Mukta Agarwal, Assistant Professor, IICT completed a certification course on "Mastering Numpy, Pandas and Matplotlib- Data Manipulation Tool" Udeemy dated May 30, 2023.



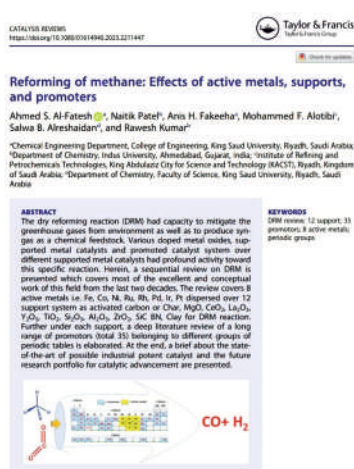
Two-day National Conference on India's most revered ecological concept of Acharanam

The Civil20 (C20) working group, working to bring together voices, ideas, and solutions to global challenges under the G20, with a special focus on researching eco-friendly lifestyle practices, in collaboration with LIFE, has organized a two-day national conference on India's most revered ecological concept of Acharanam at Indus University on May 27 and 28, 2023. The conference Acharanam took place at Indus University, with the aim of exploring the incorporation of ancient scriptures' teachings into daily Indian life. The event was part of a series of C20 conferences that provided recommendations for global public policy challenges. The inauguration was graced by esteemed speakers, including politicians, economists, and experts from various fields. The conference featured discussions on environmental ethics, green nanotechnology, rural reconstruction, and more, highlighting India's environmental consciousness and practical approaches for sustainability.

The two-day national conference was inaugurated by Presidential Secretariat of Indus University Dr. Nagesh Bhandari and Dr. Ritu Bhandari, President of Yojak Dr. Gajanad Dange, Professor Bhagwati Prakash Sharma, Well known Nano Scientist Professor Kattesh V. Katti, Dr Sandeep Chakravorty and Dr. Ram Sharma. Twenty-two prominent speakers and experts from India and around the world, including eminent personalities like Shri Aravindan Neelakandan, Padma Shri Lakshman Singh, Shri Hitesh Jani, and Dr. P. Kanagasabapathi, participated in the two-day national conference. During the event, they delivered lectures, engaged in discussions, and facilitated interactive sessions to share their insights on the ideas India has generated and incorporated in the fields of nature and ecology since ancient times.



Dr. Rawesh Kumar, Associate Professor, Department of Chemistry, IISHSL has published a research article entitled 'Kinetic Study of Zirconia-Alumina-Supported Ni-Fe Catalyst for Dry Reforming of Methane: Impact of Partial Pressure and Reaction Temperature' in SCI index International Journal of Chemical Engineering – Hindawi (Impact Factor: 2.73).



Hindawi
International Journal of Chemical Engineering
Volume 2023, Article ID 3186431, 11 pages
<https://doi.org/10.1155/2023/3186431>

Hindawi

Research Article **Kinetic Study of Zirconia-Alumina-Supported Ni-Fe Catalyst for Dry Reforming of Methane: Impact of Partial Pressure and Reaction Temperature**

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Dr. Rawesh Kumar, Associate Professor, Department of Chemistry, IISHLS published a research article entitled 'Reforming of methane: Effect of active metals, supports and promoters' in SCI index international journal Catalysis Reviews Science and Engineering (Impact Factor: 27).

Dr. Chetana Deoghare, Assistant Professor, Department of Chemistry, IISHLS published a research article entitled 'Cow Urine: Mediated Antibiosis and Immune Modulating Anthelmintic Agent' in the Alternative and Integrative Medicine journal.

Expert Review
Volume 12(5), 2023

Alternative and Integrative Medicine

ISSN: 2127-5182

Open Access

Cow Urine: Mediated Antibiosis and Immune Modulating Anthelmintic Agent

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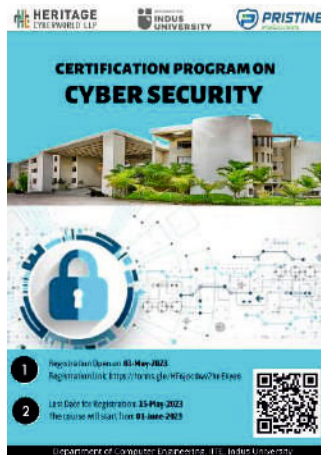
Abstract

In India, for many cultures, the cow (or Kamadhenu) is a sacred animal. The current research set out to determine if cow urine concentrate made through total evaporation of cow urine retained any of its antimicrobial, antifungal, or anthelmintic properties. The disc diffusion method was utilized to examine antimicrobial activity against both Gram-positive and Gram-negative bacteria. Antifungal activity was evaluated against several *Aspergillus* species using the agar-well diffusion technique. An adult Indian earthworm model was used to study the anthelmintic activity. The CUC noticed a notable inhibition of Gram-positive bacteria. It was discovered that fungi inhibition was dose-dependent. Among the tested fungi, *A. niger* showed the greatest sensitivity. Worm mortality in the anthelmintic assay was found to be concentration dependent and CUC was found to have a more beneficial effect than the gold standard anthelmintic, piperazine citrate. The antibacterial and anthelmintic properties of CUC may be due to the presence of components. CUC can be used to treat conditions caused by opportunistic fungi, parasitic helminths and pathogenic bacteria. Isolation of inhibitory components and *in vivo* experiments require further study.

Keywords: Cow urine • Antimicrobial activity • Anthelmintic activity • Antibiotic property

Assistant Professor Vishal Chudgar, IIDEA attended a webinar on Shaping Urban Futures: New Ideas, Better Practices organized by the Indian Institute of Human Settlements on 1st June 2023.

The discourse was about how we can shape the future of cities through visible on-ground interventions, policy choices, and trade-offs. The webinar was moderated by Professor Michael Keith, Director of the PEAK Urban program, the panel comprised scholars from across the world.



The Computer Engineering Department started a Certification Course on “Cyber Security”. The course received an overwhelming response, with a total of 78 registrations. The course time period was of 60 hours, taking place from 1st June 2023 to 19th June 2023. The experts included Dr. Ravi Sheth from Rashtriya Raksha University, Mr. Smit Patel from Pristine InfoSolutions, and Mr. Mihir from Heritage CyberWorld. Their extensive expertise and practical experience in cyber security provided invaluable insights and guidance to the participants throughout the course. The coordinator of the course was Dr. Shruti Yagnik.

Celebration of World Environment Day:

Indus University celebrated World Environment Day on 5th June, 2023. The event organized by Dr. Ankit Sodha, Prof. Pradnya Tikhe, and Dr. Priya Khandivar (Coordinators, Eco Club) under the guidance of Dr. Ketan Lakhtaria (Dean Student Affairs), aimed to raise awareness about environmental issues and inspire positive action towards creating a greener and more sustainable future. On this day NCC cadets from Indus University organized a tree plantation event in Indus University campus. Total 50 saplings were planted. The activity included Awareness Campaign and Group discussion. The event served as a platform for students to showcase their commitment to the environment and engage in meaningful discussions on sustainability. The event successfully instilled a sense of responsibility and inspired individuals to make sustainable choices in their daily lives.



Dr. Richa Verma, Assistant Professor, IIMS successfully completed NPTEL-AICTE Faculty Development Programme on 'Advances in Strategic Human Resource Management.'



Exhibition of the collaborative Programs, Summer 2023 was organized by IAS, IIDEA department from 5th June to 13th June. The program was in collaboration with Field Architects—Ar. Faiza Khan and Ar. Suril Patel, conducted by Asst. Prof. Shreya Kaul and Asst. Prof. Naitik Vakharia. The Exhibition was inaugurated by Presidential Secretariat Dr. Ritu Bhandari, Dr. Ishbir Singh Director IITE and Dr. R K Singh Registrar, Indus University. Other dignitaries, students and faculties of IDEA also visited the exhibition.



The Living Temples of Tamil Nadu: The program was in collaboration with Dr. Deepa Duraiswamy and Dr. T.S. Shanmukhacharyar who are noted scholars on ancient Indian texts and Shaivism, conducted by Associate Shaunak Desai and Assistant Professor Komal Thawrani. Dignitaries including Presidential Secretariat Dr. Ritu Bhandari, Executive President Dr. Sandeep Chakravorty, Registrar Dr. R. K. Singh, Director-WIIA and Dean Aviation Ms. Radhika Bhandari, DGM Administration Ms. Meeta Agarwal, Dr. Ritendra Sharma (HoD CIS), Dr Naresh Chhatwani (HoD IAS), Dr. Prabodh Mishra (HoD IDS), faculties and parents visited the exhibition.



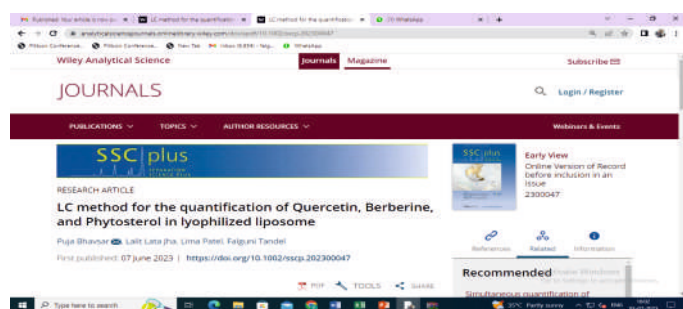


Dr. Disha A. Shah has participated in the one week online faculty development programme on 'Mathematics and its Applications in Technology and Science' held from 05/06/2023 to 09/06/2023 organized by the Department of Mathematics, Madanapalle Institute of Technology and Science, Madanapalle, Andhra Pradesh.

Ms. Honey Shivnani participated in the "Faculty Development Programme on Data Science in Engineering" organized by NITTTR, Kolkata from 5th, June to 9th June, 2023.

Ms. Honey Shivnani participated in the "Webinar on Effective Research Article Article Writing using proper Methodology and Guide" organized by Columbia Plan Staff(CPSC) and Asia Pacific Accreditation and Certification Commission(APACC) from 7th June, 2023.

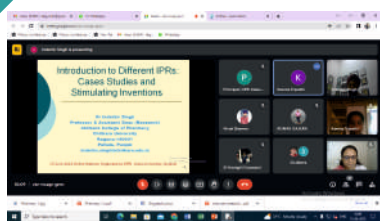
Dr. Chetana Deoghare, Assistant Professor, Department of Chemistry, IISHLS published a research article titled 'Random and block architectures of N-acrylitaconimide monomer with methylmethacrylate' in the Physical Science reviews journal.



Research paper of Dr. Falguni Tandel, Principal, IIPR was published entitled 'LC method for the quantification of Quercetin, Berberine, and Phytosterol in lyophilized liposome' in journal 'Separation Science Plus', a Web of science indexed journal on June 8, 2023.

Dr. Disha A. Shah has successfully completed the online 'Advanced Excel Workshop' held on June 11, 2023 organized by Ira Edu-Tech.





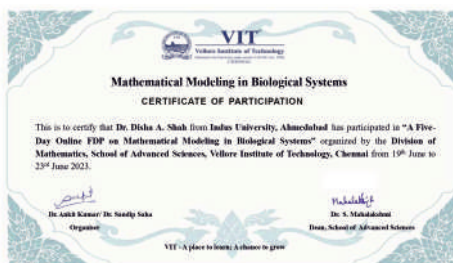
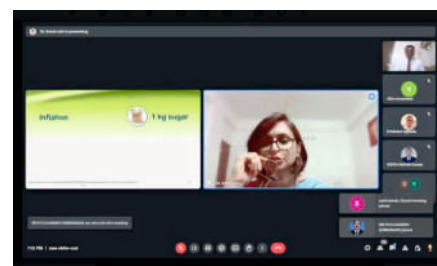
The online expert talk was organized by IIPR on 15/06/2023 from 10:00 am to 11:00 am. Dr. Inderbir Singh, Professor and Assistant Dean (Research), Chitkara College of Pharmacy, Chitkara University, Patiala, Punjab, delivered the talk on "Introduction to Different IPRs: Case Studies and Stimulating Inventions" to B. Pharm Students.

Dr. Disha A. Shah, Assistant Professor, IICT presented (online) a paper titled "Mathematical Solution of Fingero - Imbibition Phenomenon in Inclined Heterogeneous Porous Medium" at the International conference on Modelling, Simulation and Optimization of Energy Systems (MSOES 2023) held at Canadian University Dubai, UAE during June 17-18, 2023 organized by Canadian University Dubai, Dubai, UAE in conjunction with United Arab Emirates University, Al Ain, UAE and Dr. B. R. Ambedkar National Institute of Technology Jalandhar, Punjab, India.



Ms. Nisha Thankachen, Lecturer, Department of Physics, IISHLS participated in Faculty Development Program (FDP) on 'Molecular Modelling at Nanoscale (MMN-2023)', organized by the Centre for Advanced Computational Chemistry Studies, Delhi from 19th - 25th June 2023 via online mode.

Dr. Sonali Jain, Assistant Professor, IIMS was invited as a resource person in the National Level World Record Webinar Series on 19th June 2023, organized by Shri Kumarswami College, Ausa, Maharashtra, India. The event took place on June 19, 2023, attracting participants from across the country.



Dr. Disha A. Shah participated in "A Five Day Online FDP on Mathematical Modeling in Biological Systems" organized by the Division of Mathematics, School of Advanced Sciences, Vellore Institute of Technology, Chennai from June 19-23, 2023.



Ms. Sejal Thakkar has published 2 Indian Patent during April / May 2023



Assistant Professor Komal Thawrani and Assistant Professor Pratik Zaveri from IIDEA attended a webinar on Traditional Indian Architectural Knowledge System on 29th June 2023 organized by MIT School of Architecture to highlight the Master program and presentation of students' works

Dr. Mukta Agarwal, Assistant Professor, DCS, IICT participated in the "National level Online Faculty Development Program on AWS Using DevOps Webinar " organized by Dept. of Computer Science and Engineering ,CMR Engineering College, Hyderabad, from 26th -30th June,2023.



Dr Arnaz Wadia, Assistant Professor, IIMS published research paper titled "Growing Importance of Employee Engagement for reducing Employee Turnover and enhancing Business Performance" in UGC Care list II indexed Towards Excellence journal by UGC - Human Resource Development Centre, Gujarat University ISSN : 0974 - 035X/ Volume 15 / Issue 02 / June 2023 / Page No. 238 - 253

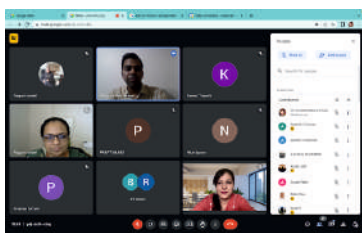
Dr Arnaz Wadia, Assistant Professor, IIMS published research paper titled "Exploring the Influence of Social Media Marketing with Reference to Consumer Buying Behavior on Herbal Products" in UGC Care Indexed International Journal of Scientific Research in Engineering & Management ISSN :2582-3930 / Volume 07 / Issue 06 / June 2023 / Page No.1-4.

The paper titled "Experimental study on effect of temperature and equivalence ratio on biomass syngas generation for fluidized bed gasifier techniques" was published by Dr. Umang Patdiwala, HoD, IIMS and Assistant Professor Dharmendra Sapariya in the journal Energy Sources, Part A: Recovery, Utilization, and Environmental Effects, volume 45, issue 2. The journal is available on Taylor & Francis Online and is indexed in SCI(Science Citation Index).

Book Project 54 Heritage Management Concepts, Values, Principles and Communication Final List of Contributors	
Author's Name	Article
Dr. Parul Shah Assistant Professor IIMS, Indian Community, Gujarat	Heritage and Economics
Dr. Pooja Bhatt, Assistant Professor Nandani Law School, Hyderabad, Telangana, India	Interlinking Urban and Modern IT Communication
Dr. Pooja Das, Dr. Anand's College University of Mumbai	Introduction: Concept and Types of Heritage Issues and Challenges
Dr. Pooja Das, Dr. Anand's College University of Mumbai	Heritage Management: Important Element of Urban Studies
Dr. Uma Suresh Assistant Professor Dr. Ramkrishna Dasgupta Research Scholar Pondicherry Engineering University, Gandhinagar, Chennai	Heritage and SDGs: Identifying the Cultural and Social Heritage through Deposits of Abundance

Dr. Parul Shah, Assistant Professor, IIMS published a book chapter titled "Heritage Economics" in the edited book entitled 'Heritage Management' on 12 June 2023. The book has been chosen as a reference material for management students at Gujarat University.

Dr. Samir Patel delivered an expert talk on 16th June on the topic of "Fundamentals of Remote sensing and GIS in transportation planning" at Gokul Global University.



An online expert talk was conducted by IIPR on June 24, 2023, aimed at providing valuable insights to B.Pharm students on the topic of "Career Prospects in Canada after B.Pharm." The distinguished speaker for this event was Dr. Raghuvirsinh Parmar, a renowned Scientist in Analytical Chemistry at ITR Laboratories in Canada.

On June 21, 2023, the Student Activity Cell at Indus University organized a vibrant and engaging celebration of International Yoga Day. The event aimed to promote the practice of yoga among students & faculties, fostering physical and mental well-being. Participants actively participated in a variety of yoga sessions, guided by qualified instructor Ms. Jyoti Oza, a highly regarded Yoga Trainer associated with the Gujarat State Yoga Board and holds the position of Yoga Wellness Instructor under the Ministry of Ayush, Government of India. The event was aimed to promote the practice of yoga among students, faculty, and staff members. Assistant Professor Miloni Ganatra and Assistant Professor Hinal Shah as the event coordinators, ensured its smooth execution.



Dr. Akshara Dave, Assistant Professor, DCS, IICT successfully completed an online project "Agile Project: Product Prototype Touchpoint Analysis in Miro" authorized by Coursera Project Network and offered through Coursera on June 20th, 2023.

Lt. (Dr.) Parshva Shah successfully completed his PhD from GLS University titled "A Study of Customer Relationship Management by Selected Health Insurance Practises & its impact on Customer Satisfaction" on 21st June, 2023



Prof. Parth Shah, IIDEA took part as a panel member for National Consultation Workshop on NEP2020 with emphasis on CFS on 28 June, 2023.



Ms. Mansi Mehta, Assistant Professor, IICT completed NPTEL course on "Introduction to IoT", with a consolidated score of 87%, and received a Elite-Silver certificate for the same. She was the topper in the course.

Ms. Dolly Dave, Assistant Professor, IICT completed a NPTEL course on "Computer Networks and Internet Protocol", with a consolidated score of 60%.



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 $Ni_3(Ti, X)$ using Density Functional," has been granted a total funding of Rs. 34,43,200.

Assistant Professor Shaswat L Padalia's (IITE) latest patent on Auto CPR, developed under the Patent Act of 1970, has been successfully granted.



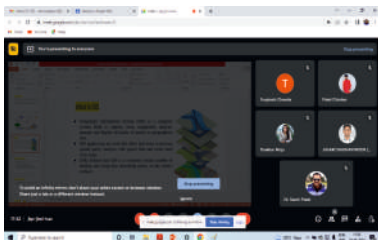
Dr. Kaushal Jani, Associate Professor, CSE, IITE worked as a HAM Radio operator during the recent Biparjoy Cyclone in the Kachchh region. Dr. Kaushal Jani's expertise and coordination skills played a pivotal role in establishing and maintaining crucial communication channels during the emergency situation. His collaboration with the Gujarat State Disaster Management Authorities and Kachchh government officials demonstrated his unwavering commitment to serving the community and ensuring the safety of the affected population.

Assistant Professor Gaurav Awasthi, Assistant Professor Monil Salot, Dr. K. Santhy, & Dr. Sujoy Chaudhury have published a research paper titled 'Effect of stirring on characteristics of electrochemically exfoliated graphene' in the journal Materialia, Volume 30, 2023, page 101818. The paper has been indexed in Scopus, and it holds an impact factor of 3.44.



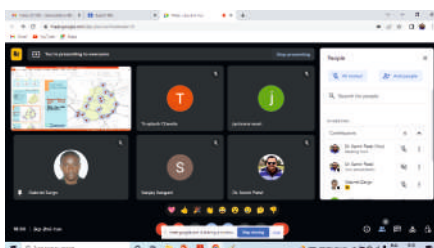
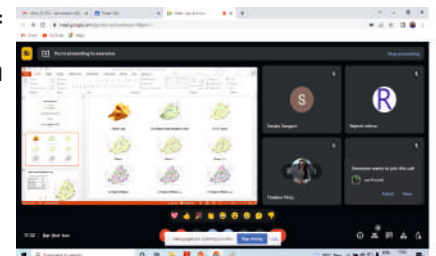
Assistant Professor Komal Thawrani and Assistant Professor Aditya Jain from IIDEA received Faculty Appreciation Letters from International Finance Corporation (World Bank Group) congratulating both on completing the first cohort of the Design for Greater Efficiency Course(DfGE)at Indus Architecture School for the academic year 2022-2023.

Dr. Samir Patel published a scopus index article titled "Ranking barriers and optimum solutions to implement public bicycle-sharing system in cities" in the journal named Proceedings of the Institution of Civil Engineers - Municipal Engineer, UK (ISSN 0965-0903 | E-ISSN 1751-7699) having H-index of 25 and CiteScore of 3.1.(<https://doi.org/10.1680/jmuen.23.00002>)



Dr. Samir Patel delivered an expert talk on 28th June on the topic of "Remote Sensing: The Art of Seeing Beyond Our Reach" at Gokul Global University.

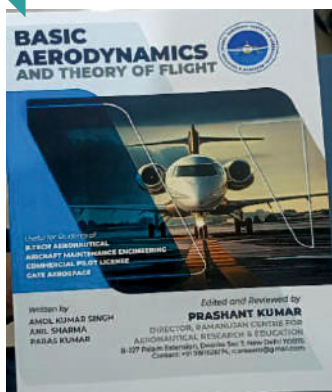
Dr. Samir Patel delivered an expert talk on 29th June on the topic of "Exploring the Geographic Information System: Mapping Our Way to a Smarter Future" at Gokul Global University.



Dr. Samir Patel delivered an expert talk on 30th June on the topic of "GIS and Transportation: Paving the Way to Efficient Mobility" at Gokul Global University.

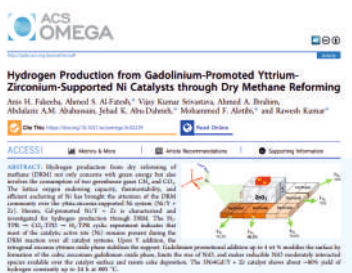
Dr. Disha H. Parekh, Assistant Professor, IICT published paper entitled "Early Detection of Breast Cancer Using Machine Learning and Ensemble Techniques", by Dr. Disha H. Parekh was published in the International Journal of Computing on June 30,2023.





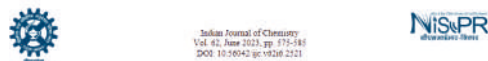
In the month of June a book 'Basic Aerodynamics and Theory of Flight' was published by Assistant Professor Amol Kumar Singh(IATE) and Western India Institute of Aeronautics Pvt. Ltd. This book was published for students of Aircraft Maintenance Engineering, Aerospace Engineering and Aeronautical Engineering. Moreover this book would help trainee pilots to understand theory of flight. It covers fundamentals of how aircraft flies.

Mr. Ritabrata Mukhopadhyay, JRF, Department of Physics has successfully completed a training program on 'Ocean Biogeochemistry through Ocean Observations and Chemical Analysis' with mini project on the topic 'Nutrients in the Ocean and Estuarine Environment' from 12th June to 1st July, 2023, organized by Department of Chemical Oceanography, School of Marine Sciences, Cochin University of Science and Technology(CUSAT), Kochi 682016.



Dr. Rawesh Kumar, Associate Professor, Department of Chemistry, IISHLS published a research article entitled 'Hydrogen production from Gadolinium Promoted Yttrium-zirconium Supported Ni Catalyst through Dry Methane Reforming' in SCI index ACS Omega journal (Impact Factor: 4.2; Publisher: American Chemical Society).

Dr. Rawesh Kumar, Associate Professor has published a research article entitled 'Iron-promoted Zirconia-alumina Supported Ni Catalyst for Highly Efficient and Cost-Effective Hydrogen Production via Dry Reforming of Methane' in SCI index international journal, Journal of Environmental Sciences (Impact Factor: 6.78; Publisher: Elsevier).



Viscometric and refractive index study of intermolecular interaction between binary mixtures of terpinolene with o-, m- and p-cresol at 303.15, 308.15 and 313.15 K

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Viscosities and refractive indices (n_D) were experimentally measured for binary mixtures of terpinolene with o-, m- and p-cresol for entire composition range at 303.15, 308.15 and 313.15 K and at atmospheric pressure. Deviation in viscosity ($\Delta\eta$), excess Gibbs energy of activation for viscous flow (ΔG^{\ddagger}), enthalpy (ΔH^{\ddagger}) and entropy (ΔS^{\ddagger}) of viscous flow, deviation in refractive index (Δn_D), molar refraction (R_m) and deviation in molar refraction (ΔR_m) were also calculated. Various theoretical viscosity relations such as Debye-Hückel-Schuler (η_{DH}), Gruber-Nissan (η_{GN}), Tamura-Kumada (η_{TK}), Kam-Chaudhari (η_{KC}), McAllister relation (η_{MA} and η_{MA}), Kendall-Mueller relation, Bingham relation and Arrhenius-Eyring relation were calculated. Similarly, some theoretical refractive index relations such as Arago-Blot (n_{AB}), Dale-Gladstone (n_{DG}), Lorentz-Lorentz (n_{LL}), Eykman (n_E), Wenzel (n_W), Heller (n_H), Newton (n_N), Oser (n_O) and Eyring-John (n_{EJ}) were also calculated with their standard deviation (σ) values. Results were discussed in terms of the presence of intermolecular interactions between the components of binary mixtures.

Keywords: Viscosity, Refractive index, Theoretical models, Intermolecular interaction, Deviation Properties.

Dr. Paras Patel, Assistant Professor, Department of Chemistry, IISHLS, published a research paper titled 'Viscometric and refractive index study of intermolecular interaction between binary mixtures of terpinolene with o-, m- and p-cresol at 303.15, 308.15 and 313.15 K' in SCI index international journal Indian J. Chem. 62(2023)(Impact Factor -1.1).

Training & Placement Department

SR. NO	COMPANY NAME	PROFILE	BRANCH	STATUS	PACKAGE (RS.IN LPA)
1	TORRENT PHARMA	Executive Trainee	M.SC – CHEM/CR	1 Shortlisted	2.40 LPA To 2.80 LPA
2	SHAEFFLER INDIA (TALENTISE)	GET	B. TECH – MECH/ MET	4 Shortlisted	7.00 LPA
3	BEFREE BUSINESS RESOURCING LLP	JR. ASSOCIATE	BBA/BCOM, MBA/IMBA - 2023 BATCH	1 Selected	Up to 3.30 LPA
4	TORRENT PHARMA	Executive Trainee	M.SC – CHEM/CR	1 Selected	2.40 LPA To 2.80 LPA
5	AIROIL FLAREGAS PVT. LTD.	GET	B. TECH - MECH, M. TECH -CAD/CAM	1 Selected	4.00 LPA – B. TECH & 5.00 LPA – M. TECH
6	SHAEFFLER INDIA (TALENTISE)	GET	B. TECH – MECH/ MET	4 Selected	7.00 LPA
7	CHANDAN STEEL	GET	B. TECH-META-2022/2023 Batch	2 Selected	3.50 LPA
8	AGILE CAPITAL SERVICES	SIP	MBA	19 Selected	Stipend up to 10K
9	IIFL	SIP	MBA	17 students selected	Without Stipend
10	ANALOG DEVICES	Quality Coordinator	MSC-CHEM/PHYSICS/ MATH	2 M.Sc. Physics selected	10.00 LPA
11	ASHTAVINAYAK TECH SOLUTIONS	PRODUCTION ENGGR/SALES ENGINEER	B.TECH (MECH)	2 Selected	3.50 LPA

The IIFL Team, comprising the Zonal Manager, Mr. Jimit Shah, Area Manager, Mr. Harpal Singh, and HR Manager, Mr. Pratik Soni, visited the Indus campus for a career guidance session for MBA 2022 batch students, conducted interviews, and selected 17 students for the Summer Internship Programme in June at various locations in Gujarat.

Student Achievement



Vivek Malam, Student of MSc-IT, semester-3 wrote research paper entitled 'Natural Language Processing-Based Solution for Accurate Transcription and Translation of Distorted Multilingual Audio Signals' and it got published in International Journal of Innovative Science and Research Technology on June 2023 in Vol: 8|Issue: 6

Vatsal Shah, Student of MSc-IT, participated in 'Aatmanirbhar Bharat-Swatantra Bharat Quiz' held by Ministry of Defence, India.



Pyraminx

#	Name	Best	Average	Citizen of	Solves
1	Shivansh Chandola	3:05	3:64	India	(3:05) 3:15 4:46 (DNF) 3:31
2	Kushal Jadav	3:57	4:82	India	4:21 (3:57) 5:48 (7:51) 4:75
3	Anas Jethva	3:48	4:87	India	5:15 5:67 (3:48) (7:54) 3:80

Skewb

#	Name	Best	Average	Citizen of	Solves
1	Kushal Jadav	4:35	7:18	India	6:85 6:12 (4:35) 8:57 (9:80)
2	Abhijeet Ghodgaonkar	3:27	7:58	India	7:61 (12:11) (3:27) 7:80 7:34
3	Divyansh Khatri	6:73	8:00	India	(6:73) 6:99 (9:78) 7:29 5:71

Kushal Jadav- Student of BSc(DS) Semester: 02 attended 'Anand Cube Open' a Rubik's cube competition held on 18th June 2023. He stood First in Skewb event and 2nd in Pyraminx event.



Khooshi Joshi, student of IMSc(CA & IT) Semester-5, earned the certificate for the course - "Foundations: Data, Data, Everywhere" from Coursera.

Certificate of Completion

Vivek Malam

has successfully completed the HP LIFE online course

Design Thinking

By completing this course, the above-named student has learned new skills including how to use the design thinking process effectively, how to define a problem and create a problem statement, and how to use customer feedback to create solutions to solve problems.

Presented 6/24/2023

Siddhartha Bhatnagar

Deputy Director, HP Foundation

Certificate of Completion

Vivek Malam

has successfully completed the HP LIFE online course

Effective Leadership

By completing this course, the above-named student has learned new skills including how to assess and use different leadership styles effectively and how to use software tools to enhance communication and collaboration in the workplace.

Presented 6/24/2023

Siddhartha Bhatnagar

Deputy Director, HP Foundation

Certificate of Completion

Vivek Malam

has successfully completed the HP LIFE online course

Effective Presentations

By completing this course, the above-named student has learned new skills including how to assess and use different presentation styles effectively and how to use software tools to enhance communication and collaboration in the workplace.

Presented 6/24/2023

Siddhartha Bhatnagar

Deputy Director, HP Foundation

Vivek Malam, Student of MSc-IT semester-3, earned the given certificates:

- LangChain & Vector Databases in Production(activeloop)
- Blockchain in Depth (Infosys Springboard)
- Prompt Engineering (Infosys Springboard).

Manan Ambasana, a B.Tech student, IITE got selected to play county cricket in U.K.

Charvi Rana, a student of B.Tech, IITE performed Yoga at Mini Amarnath, Maudi on 9th International Yoga Day held on 21th June, 2023.

Rojmala Dev, a student of BTech, IITE won State level hackathon organized at DAIICT College

Vatsal Rohit Shah, student of Msc IT, semester-3, IICT, got certified as a Digital Marketer from Google and also received a Python Ninja certificate from Python Cognitive Classes provided by IBM.

Raminesh Shetty, B.Sc Sem-V Student, Department of Physics has successfully completed 2 week `Summer school in Theoretical Physics (SSTP - 2023) Sponsored by IUCAA, Pune and organized by the Department of Physics & Electronics, St. Xavier's College (Autonomous), Ahmedabad and Kshama Ahmedabad, Academy of Sciences, Ahmedabad.



Mr. Rajveersinh Rathod, a 2022 passout in Civil Engineering and an NCC student, achieved a remarkable milestone by getting selected as an officer in the Indian Army. His selection took place at the Services Selection Board located in Jalandhar, Punjab.

Mr. Vikas Chodhary, a 2022 passout and an NCC student, accomplished a significant feat by securing a position in the Indian Navy through the Senior Secondary Recruit (SSR).

Mr. Akash Gajjar, an automobile engineer and alumni of Indus University created a fully automatic machine that makes hygienic pani puris. It can produce 40,000 puris in 1 hour. The machine uses innovative techniques with four belts to mix dough, shape puris, and prepare them for frying. The final product is crispy and ready to eat.

SUO Rajveer Sinh Rathod (IU1841040054) an Alumni from the Department of Civil Engineering, Indus Institute of Technology and Engineering, Indus University has been recommended by the Selection Board North & selected as an officer in the Indian army & will soon join the Officers Training Academy - Chennai for the training under the guidance of Dr. R. K. Singh and ANO Lt. Parshva Shah.





WIIA students participated in the national expo 23 (18-19 April 23) which was held in MIT-ADT Pune under the Guidance of Prof Amol Kumar Singh.



Asst. Prof Amol Kumar Singh presents Paper in ISTE convention Gujrat on the topic of "Sonic boom Noise Reduction through low boom flying demonstrator(LBFD)"

Prof Amol Kumar Singh and Dipak Paradiya also clears the Modules of European Union Aviation Safety Agency(EASA).

Instructor Noel Philip got a certification related to supply chain management -1 from Michigan state University,USA and also completed Bachelor's degree in computer Application from Maharishi Mahesh Yogi Vedic Vishwavidyalaya.

Faculty Training in WIIA in the month of April 23 through HELIGO CHARTERS PVT LTD.

Project Exhibition In AVIATION Department where unmanned air vehicles and many more projects was displayed.



MR SAD UAV secured the first rank in Project Exhibition 23.

Mr. Surinder Singh Shekhawat – The man who keeps the Indus University Campus SAFE

Mr. Surinder Singh Shekhawat, born and raised in Jaipur, Rajasthan, has a long-standing association with the Indus University. He has been working with the Indus University since 2006. He relocated to Ahmedabad, Gujarat, in the year 2006, in pursuit of better job prospects. Initially he was recruited through contractual services, but looking at his dedication & sincerity, last year our honourable Presidential Secretariat, Dr. Nagesh Bhandari sir, offered him the job on IU payroll and since then he has been residing in the IU campus. As a result of this kind gesture, Surinderji has developed a personal bond with the honourable Presidential Secretariat, Dr. Nagesh Bhandari sir.

Regarding his personal life, Surinderji is married and has four children, 2 girls & 2 boys. He visits his family residing in Jaipur twice or thrice in a year. He is blessed with six grandchildren. During his leisure time, he likes to listen to Rajasthani folk songs or to news on his phone. Sholay is his favourite movie and Dharmendra Deol, Amitabh Bachchan, and Jitendra Kapoor are his favourite actors. Among actresses, he likes Rekha & Hema Malini. During his childhood he has played games like Kabbadi, Kho-kho, Langdi etc... although he likes the Rajasthani cuisines more, Fafda-Jalebi is one of the Gujarati dishes that he likes having occasionally.

Some of the main job-related challenges that he encounters at Indus University are students arguing with him on parking related issues, a need to keep a check on the students and prevent them from roaming around the campus needlessly and providing 24 x 7 support to students, teachers, staff & visitors of Indus University.



Team i360

Ms. Nisha Thankachen
Ms. Priya Singh Chauhan
Ms. Mansi Mehta
Dr. Monika Gupta
Dr. Samir Patel
Capt. Umang Jani



Mr. Monil Salot
Dr. Daisy Kurien
Ms. Meeta Agrawal
Dr. Nikita Gadani
Ms. Parita Shah
Ms. Abheepsa Vyas