



**i360 NEWSLETTER**  
**2023**  
**Volume 5 – September**

*In Spotlight*  
**“Dr. Rawesh Kumar”**  
Associate Professor IISHLS, Indus University



## YUVA INDIA

Team Yuva India, a dedicated youth group at Indus University, organized a Nukkad Natak (street play) in Indus University with the aim of spreading awareness about conjunctivitis. The purpose of the Nukkad Natak was to educate both the university community and the local residents about the causes, symptoms, prevention, and treatment of conjunctivitis.



## VISIT TO IPR

Team Yuva India, Indus University, a group of 30 enthusiastic young individuals interested in science and technology, had the privilege of visiting the Institute of Plasma Research (IPR) in Gandhinagar. The visit aimed to provide an insightful understanding of plasma research, its applications, and India's contributions to the International Thermonuclear Experimental Reactor (ITER) project.



## PRESENTATION OF RESEARCH PAPER

Vishal Chudgar, Assistant Professor, IDEA presented a poster of his research paper - 'Freedom in the Light of Sri Aurobindo's Integral Yoga and Existentialism' under the theme, 'Indian Philosophical Systems', invited by the National Youth Conference on Indian Knowledge System (NYCIKS2023) organized at IIT Roorkee in association with the IKS division at AICTE. He also participated in the workshop 'Breathe like a Yogi: The foundational step to self-realization'.



## PHARMACEUTICAL REGULATORY AFFAIRS

Dr. Dipti Patel, Associate Professor, IIPR completed a short course in "Pharmaceutical Regulatory Affairs" organized by the department of regulatory Affairs, Institute of Management Science and Research, Nagpur dated on 28/08/2023 to 01/09/2023.



## PHARMACEUTICAL REGULATORY AFFAIRS

Ms. Kamna Tripathi, Assistant Professor, IIPR, completed a short course in "Pharmaceutical Regulatory Affairs" organized by the department of regulatory Affairs, Institute of Management Science and Research, Nagpur dated 28/08/2023 to 01/09/2023.



## PROJECT MAPUSA MOGI MURAL

As part of a community based public art project, titled MAPUSA MOGI MURAL, Ms. Shreya Kaul, Assistant Professor IIDEA collaborated with artist Orijit Sen and his team from 28/08/2023 to 02/09/2023. Building on the tools and strategies of Design Thinking, the team conducted workshops with school children and meetings with the residents of Mapusa.





## TEACHER'S DAY CELEBRATION

Student Activity Cell (SAC) at Indus University celebrated Teacher's Day on 05/09/2023, which coincides with the Birth Anniversary of Dr. Sarvepalli Radhakrishnan. The primary objective of this event was to honor our cherished teachers for their unwavering commitment and dedication in imparting knowledge and life lessons to students. Honourable Executive President, Prof. (Dr.) Sandeep Chakravorty addressed the gathering. The day was filled with a variety of cultural activities, including singing, dancing, and drama, all dedicated to expressing our gratitude to the educators. Furthermore, the day featured engaging activities such as "How Well They Knew Indus?" and "Teaching Trails," allowing participants to reflect on their educational journey. Students presented handcrafted cards as a gesture of thankfulness faculty members. Celebration was attended by 100+ faculty members. It was a day filled with cherished memories.



## INDUSTRIAL VISIT TO E-INFOCHIPS

Computer Engineering Department, IITE, organized a series of industrial visits to e-Infochips in Ahmedabad from 29/08/2023 to 05/09/2023. These visits saw a total of 230 students from B.Tech. Semester V in Computer Engineering and Information Technology participate. They were accompanied by faculty members: Mr. Sanjay Makwana, Ms. Gargi Bhatt, Ms. Jaya Shukla, Ms. Divyani Jigyasu, Ms. Khushbu Maurya, Ms. Pooja Sisodiya, Mr. Abhishek Vaghela, and Ms. Roma Mewadavala. These visits were expertly coordinated by Mr. Indrjeet Rajput.



## AWARENESS SESSION ON EYE DONATION

Department of Life Sciences organized EYE donation awareness (Ang Daan Mahadan) conducted by Dr. Vachini from K.D Hospital team at English language lab Bhanwar building on 05/09/2023.



## VISIT TO ATIRA

Students of the semester - IX visited the architectural works designed by Modern masters like Corbusier, Kanvinde, Doshi, and Correa during the 1950s to 60s. This guided visit was conducted as part of Theory Module - IX by course coordinator Dr. Naresh Chhatwani, HOD-IIDEA. Students visited ATIRA, Gandhi Labour Institute, Institute of Indology, and Ahmedabad Textile Mill Owners Association to experience and deepen their understanding of Critical Regionalism and Modern Indian Architecture.

## SUREKSHA SETU SOCIETY

Indus University and WIJA were privileged to welcome Shri. Anil Pratham, IPS, DGP (Police Reforms), for an insightful session on the objectives of the "Suraksha Setu Society" by the Government of Gujarat on 06/09/2023. After his session, he had enthusiastically visited WIJA facilities.



## PUBLICATION

Dr. K. Santhy, Associate Professor, Department of Materials and Metallurgical Engineering, IITE published a research paper entitled "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 journal of Thin Solid Films on 07/09/2023.



## APPOINTMENT AS MEMBER

Dr. Rawesh Kumar, Associate Professor, Chemistry Department, IISHLS was appointed as member of Program Advisory Group Committee at Technology enabling centre-Pandit Deendayal Energy University to monitor the half yearly progress.



## PATENT GRANTED

Mr. Monil Salot, Dr. Kathirvel Santhy, Mr. Gaurav Awasthi, and Dr. Sujoy Chaudhary, Department of Materials and Metallurgical Engineering, IITE got an Indian patent granted title "Electrolytic process for preparing high purity tungsten oxide nanocrystalline powder from tungsten carbide-cobalt scrap" on 11/09/2023.

## PRE PLACEMENT SESSION

TCS talent acquisition team led by Ms. Apoorva Jain and Mr. Vishal Doshi visited Indus University campus on 12/09/23 and conducted a pre-placement awareness session for the Bachelor students of final year. The session was well attended by the students with the support of IIMS HOD and faculty coordinator Dr. Dipesh Dasani.



## AWARD OF DOCTORATE

Ph.D student of Dr. Rawesh Kumar, Associate Professor is awarded doctorate from Sankalchand Patel University on 11/09/2023.



## OPEN SEMINAR

Ms. Zalak Patel, Assistant Professor, IITE, successfully gave an open seminar of her Ph.D. in GTU on "Design and Development of Compact Dual Band RHCP Antennas for Navigational Satellite System Receivers" on 11/09/2023.





## CAREER GUIDANCE SESSION

Department of Civil Engineering organized 'Career Guidance Session' by Alumni - Civil Engineering on 13/09/2023. 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 Engineering field. More than 25 students of B.Tech. in Civil Engineering interacted and were benefited. The alumni were felicitated with a certificate by Dr. Payal Mehta (HoD - Civil Engineering). Event was coordinated by Ritesh Patel, Assistant Professor, IITE & Shantamallappa, Assistant Professor, IITE.

## INDUSTRIAL VISIT

Mr. Monil Salot, Assistant Professor, Department of Materials and Metallurgical Engineering, IITE successfully conducted an Industrial Visit to Bhagwati Spherocast on 13/09/2023.



## GUEST LECTURE

Dr. I.B. Dave HoD, Metallurgical Engineering GEC Gandhinagar, conducted a Guest lecture on Sacrificial Anode on 14/09/2023 for students of Department of Materials and Metallurgical Engineering, IITE.



## SITE VISIT

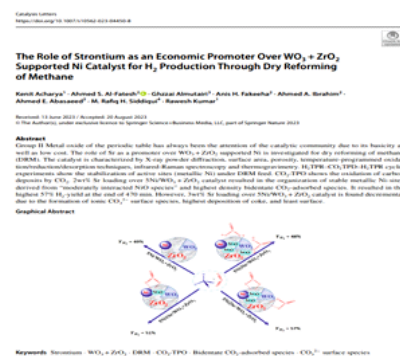
Department of Civil Engineering organized a site visit for students of Semester 3 and 5 at Package 27 - 28, Delhi-Mumbai Expressway part of DMIC, Godhra on 14/09/2023. The students were accompanied by Assistant Professor Shantamallappa and Dr. Jishnu R. Gohel.

## PAPER PRESENTATION

Ms. Sejal Thakkar, Assistant Professor, Department of Computer Engineering IITE Indus University presented paper on "Advancement in Plant pathology using Image segmentation and Deep learning" at International Conference iQ-CCHES '23 organized by IIT Kottayam from 15/09/2023 to 16/09/2023.

## PUBLICATION

Dr. Rawesh Kumar, Associate Professor, Department of Chemistry, IISHLS published a research article entitled "The Role of Strontium as an Economic Promoter Over  $WO_3 + ZrO_2$  Supported Ni Catalyst for  $H_2$  Production Through Dry Reforming of Methane" in SCI index international journal "Catalysis Letter" (Publisher Springer, Impact Factor: 2.9 ) on 15/09/2023.



### 'Career Guidance Session' by Alumni - Civil Engineering



**Er. Akshay Patel**  
Owner - Aksharth Developers



**Er. Jigar Desai**  
Teaching Associate - F.T., CEPT University

DATE

13<sup>th</sup> September

Wednesday

TIME

3:00 PM

Onwards

VENUE

Earthquake Engineering Laboratory

Program Coordinator

Asst. Prof. Ritesh Patel  
Asst. Prof. Shantamallappa K.  
(Civil Engineering Department, IITE, Indus University)



## COLLABORATION WITH IACE

The Department of Automobile Engineering participated in Engineers Day celebration with its collaborator IACE (International Automobile Center of Excellence) on 15/09/2023. Event was coordinated by Assistant Professor Mr. Krupal Shah.



## POSTER PRESENTATION

Mr. Sumit Sarvaiya, Assistant Professor, IIPR has participated as Co-author for the Poster Presentation entitled "Stability Indicating RP-HPLC Method Development and Validation on Amitriptyline HCl and Pantoprazole Sodium in Capsule Dosage Form" at 11th Pharma vision held at Anand Pharmacy College, Anand on 16/09/2023 and 17/09/2023.



## ENGINEERS' DAY CELEBRATION

The Indus Institute of Technology and Engineering (IITE), Indus University in association with World Federation of Engineering Organizations (WFEO), Institute of Engineer's India (IEI), and Water Management Forum (WMF) organized 56th Engineers' Day on 15/09/2023. The occasion featured distinguished guests, including the Chief Guest, Shri Nilesh Desai, Director-SAC at ISRO, who delivered an insightful address shedding light on the Chandrayaan-3 Mission. Er. Bharat S. Patel, the Founder, Chairman and Director of Yudz Solutions Ltd., was Guest of Honor at the event. His presence added another layer of distinction to the celebration, bringing with it a wealth of expertise and insights from the world of technology and entrepreneurship. Adding to the event's stature, Mr. Niraj Shah, an accomplished Automation and Robotics Engineer and owner of Arihant Satiare in Ahmedabad, served as the Keynote Speaker, imparting knowledge on AI, Robotics, and Automation.

One of the event's focal points was an engaging exhibition, where industry collaborators showcased engineering models aligned with AICTE's thrust areas, encompassing 3D Printing, IoT, and Automation. The participants included the World Federation of Engineering Organizations (WFEO), Institute of Engineers India (IEI), and Water Management Forum (WMF), who presented 44 posters on Water Management and featured a Water Quality Van, illustrating the water quality assessment process. The event also welcomed World of Lilliputs-3D (WoL-3D) from Mumbai, Green Field Control Systems from Gandhinagar, and Proji Systems and Technology from Ahmedabad, each contributing their innovative solutions and projects in various engineering domains. Event was coordinated by Dr. Vrushank Shah, Dr. Vineeta Chauhan & Assistant Professor Miloni Ganatra.



## INVITATION AS JUDGE

Dr. Dipti Patel, Associate Professor, IIPR was invited as judge in poster competition in 11th Pharma vision organized by Anand Pharmacy College in association with ABVP during 16/09/2023 and 17/09/2023. She also mentored a team of students for Pharma entrepreneur competition. More than 15 students took part in various competitions.



## VISHVAKARMA PUJA

Shri Vishvakarma Puja was conducted on 17/09/2023 at WIIA workshop. Presidential Secretariat Dr. Nagesh Bhandari & Dr. Ritu Bhandari, Director - WIIA Ms. Radhika Bhandari, faculty, Staff members and students enthusiastically participated in the Puja.



## CAMPUS DRIVE

The Talent Acquisition Team led by Ms. Pooja Shah and Mr. Neeraj visited the Campus on 18/09/23 and conducted the first campus drive for Core Engineering Branch - Automobile Engineering. One student got selected.

## GANESH CHATURTHI CELEBRATION

Celebration of "Ganesh Chaturthi" was held on 19/09/2023. Indus Design School (IDS) in collaboration with Indus Architecture School (IAS) made two Idols of Lord Ganesh from clay, coconut husk, and waste paper as they are eco-friendly materials and decompose quickly without polluting the environment. Product design students along with Architecture students of semester III made the idols under the direction of Dr. Monika Gupta, Associate Professor, IAS, and Mr. Rohit Kumar, Assistant Professor, IDS. The task was supervised by HOD Design, Mr. Prabodh Mishra, and HOD Architecture Dr. Naresh Chhatwani.



## PARTICIPATION IN ASM GUJARAT CHAPTER

Mr. Gaurav Avasthi and Mr. Monil Salot, Assistant Professor, Department of Materials and Metallurgical Engineering, IITE participated in one-day workshop on "Metallography and Microstructure" organized by ASM Gujarat Chapter on 23/09/23 at Institute of Infrastructure Technology Research and Management (IITRAM), Ahmedabad, Gujarat.

## LAUNCH CEREMONY OF MICRON TECHNOLOGY

The Department of Electronics and Communication conducted a fascinating visit for the students at the official launch ceremony of Micron Technology (worth \$2.75-billion semiconductor plant) in Sanand, Gujarat on 23/09/2023. The event was attended by 40+ students from Indus Institute of Technology and Engineering (IITE) of ECE, EL, ICT, and cybersecurity programs, along with two faculty members Assistant Professor Ms. Divyangna Gandhi & Associate Professor Dr. Vrushank Shah. The esteemed guests were Shri Bhupendra Patel, CM of Gujarat, Shri Ashwini Vaishnav, Minister of Electronics, Govt of India, and Shri Chandrashekhar from MEITY, Govt of India.



## GANPATI PUJA AT WIIA

Ganpati Puja was performed on 19/09/2023 in WIIA basement, Main building by Students, Faculty and Staff members of WIIA and IIATE.



## MEETING WITH CAPT. RAJEEV PRATIP RUDY

Capt. Umang N Jani, HOD, IIATE was delighted to have a short conversation with Capt. Rajeev Pratap Rudy on Date 19/09/2023. He is currently working as a pilot of Airbus-320. He is Member of Parliament (Loksabha and Rajyasabha) and Spokesperson for BJP. He was a Civil Aviation Minister of Bharat, Former Minister of Skill Development & Entrepreneurship, Former Minister of Parliamentary Affairs, Former Minister of Commerce and Industry.



## CHETAK (MADE IN BHARAT)

WIIA and Indus University have received Chetak (Made in Bharat)-a Helicopter for our aviation-related programs. This remarkable addition to our aviation facilities will provide our students with invaluable hands-on experience and training opportunities that will help them excel in their aviation careers. We extend our heartfelt congratulations to Dean-Aviation (WIIA and IIATE) Ms. Radhika Bhandari, Honorable Presidential Secretariat and Aviation Enthusiast Dr. Nagesh Bhandari and Dr. Ritu Bhandari and the entire Indus University team for making this momentous occasion possible.



## CERTIFICATION

Dr. Vineeta Chauhan, Assistant Professor, Electrical Engineering received certificate as Program Committee member and reviewer in "2nd International Conference on Advances in Data-driven Computing & Intelligent Systems (ADCIS 2023)" held from 21/09/23 to 23/09/23 organized by BITS Pilani, KK Birla, Goa Campus, India.

## WORLD PHARMACIST DAY CELEBRATION

World Pharmacists' Day 2023 had been celebrated at Indus Institute of Pharmacy, Indus University 25/09/2023 on the theme "Pharmacy strengthening health systems - Angdaan Mahadaan" sponsored by Gujarat State Pharmacy Council. The inaugural ceremony was followed by various events like Poster making, Pharma. Marketing and Nukkad Natak. Mr. Valay Modi, Assistant commissioner of Food and Drugs Control Authority had graced the function. More than 65 students had registered for different events. IIPR students also presented Nukkad Natak as a part of awareness campaign at Indus University, at PHC and at High School of Rancharda village. In the valedictory function Mr. Jasubhai Chaudhary, Registrar, Gujarat State Pharmacy Council conveyed message via online platform to students followed by certificate distribution to winners and participants. The event was successfully completed under the guidance of Dr. Falguni Tandel, Principal, IIPR.





## DEFENDING PhD THESIS

Ms. Ruchaben Bipinchandra Dave, Research Scholar of Physics Department, IISHLS successfully defended her PhD thesis Viva on 26/09/2023 (Supervisor: Dr. Manisha Vithalpura). Title of the thesis: Assessment of Crop Growth Parameters Using Optical and Microwave Remote Sensing Data.



## TALENT ACQUISITION OF ARASTU SYSTEMS

Overseas Education Facilitators - M/s. Disha Counsellors, Ahmedabad Director Mr. Anuj Parikh along with the LMU (Loyola Marymont University), Los Angeles, California, USA team comprising Dr. Maureen Weatherall, Ed.D, Dr. Tina Choe, Dean/Professor of Chemistry, Frank R. Seaver College of Science and Engineering, Dr. Ammar Dalal, Ed.D, visited the campus on 27/09/2023 and had an interaction with Dr. Ishbir Singh, Director-IITE and Mr. K.S.R. Swamy, DGM-Training & Placement. The team's visit was aimed at exploring the possibility of collaboration between Indus and ARASTU SYSTEMS in areas of student exchange, internships, and other areas.



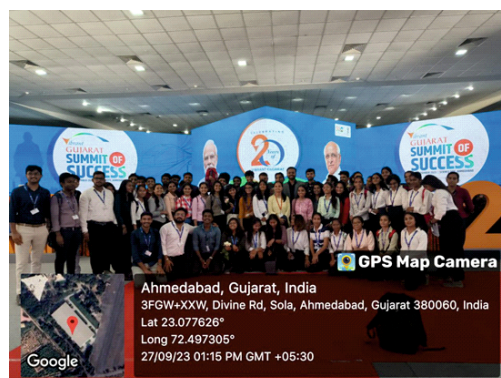
## INDUSTRIAL VISIT TO E-INFOCHIPS

The Department of Electronics and Communication conducted an Industrial Visit to e-Infochips (Semiconductor MNC Company based in Ahmedabad) on 06/09/2023 for 50 students from B.Tech (EC/EL/IT) of Semester 5 along with two faculty members Assistant Professor Miloni Ganatra (ECE) and Assistant Professor Rashmi Sharma (EL), offering a glimpse of cutting-edge technology.



## COMPLETION AND CELEBRATION OF 20 YEARS OF VIBRANT GUJARAT GLOBAL SUMMIT

Vibrant Gujarat Global Summit upon completion of its 20 years invited Indus University to witness its inaugural session which was graced by Honourable Prime Minister Shri Narendra Modi ji and Honourable Chief Minister Shri Bhupendrabhai Patel today at Science City, Ahmedabad. Indus Institute of Management Studies (IIMS) deputed 203 students, accompanied by faculty members Lt. Dr. Parshva Shah and Dr. Parul Shah. In the summit students learned about Gujarat's Lion-Share in Indian Economy and its Global presence to make India as World's 5th Largest Economy. Students also participated in an online quiz competition.



## EXPERT SESSION

On 29/9/2023 IIMS department organized an expert session for MBA semester I students with an objective to educate the students about Indus Center for Startups, Incubation and Innovation(ICSII), its functioning, entrepreneurship and startups. The event was conducted by Associate Professor Dr. Daisy Kurien and Assistant Professor Dr. Parul Shah. Students were also encouraged to discuss their ideas about innovation. Approx. 200 students attended the event.



## CAMPUS DRIVE

Talent Acquisition team of Alpha Barcode Solutions Pvt. Ltd., led by Mr. Narendra Lunagariya, MD, Ms. Hetal Shah HR Manager, CTOs, and other technical team visited the campus on 29/09/2023 and conducted on campus drive. 2 students were selected.



## EXPERT TALK

Indus Institute of Pharmacy organized a stimulating expert talk on the "Role of the Autonomic Nervous System in Cardiac Physiology" for B. Pharm Semester I and III students. The expert talk was conducted by Mr. Mittal Dalal, Assistant professor at L. M. College of Pharmacy. The expert talk aimed to shed light on the intricate relationship between the autonomic nervous system (ANS) and cardiac function, addressing the fundamental physiological mechanisms that govern heart rate and overall cardiovascular health.



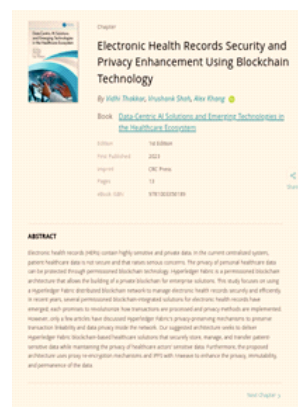
## BOOK CHAPTER PUBLICATION

Dr. Vrushank Shah, Associate Professor, EC/EL, IITE published an Book Chapter on "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 published by Taylor & Francis, CRC Press (SCOPUS Indexed).



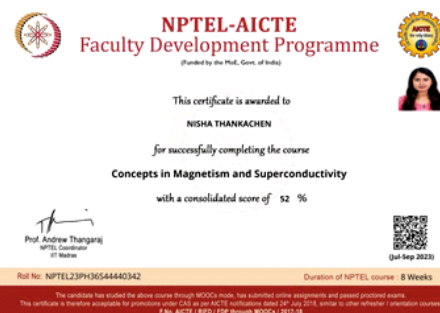
## BOOK CHAPTER PUBLICATION

Dr. Vrushank Shah, Associate Professor, EC/EL, IITE published an Book Chapter on "Electronic Health Records Security and Privacy Enhancement Using Blockchain Technology" in the book "Data-Centric AI Solutions and Emerging Technologies in the Healthcare Ecosystem published by Taylor & Francis, CRC Press (SCOPUS Indexed).



## FDP

Ms. Nisha Thankachen, Lecturer, Physics Department, IISHLS successfully completed NPTEL - AICTE Faculty Development Programme (FDP) on "Concepts in Magnetism and Superconductivity".





## PUBLICATION OF RESEARCH PAPER

Dr. Minesh Thakar, Assistant Professor, IITE has published a research paper entitled "EMED-UNet: An Efficient Multi-Encoder-Decoder Based UNet for Medical Image Segmentation" in IEEE Journal with impact factor 3.9 in September-2023.

Received 11 August 2023; accepted 22 August 2023; date of publication 28 August 2023; date of current version 7 September 2023.  
Report Number: 10.1109/JT.2023.3301489

### RESEARCH ARTICLE

#### EMED-UNet: An Efficient Multi-Encoder-Decoder Based UNet for Medical Image Segmentation

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MINESH P. THAKAR<sup>3</sup>, (Member, IEEE), HARSH A. PATEL<sup>4</sup>,  
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**ABSTRACT** Many current and state-of-the-art deep learning models for accurate image segmentation are based on the U-Net architecture, a convolutional neural network designed for biomedical applications. Despite its widespread adoption in the medical imaging community, U-Net has two major limitations. First, due to its deep structure and the large number of filters used, the number of parameters and Floating-Point Operations Per Second (FLOPS) are high. This results in high computational complexity and demands a large memory size, making real-time implementation and deployment of U-Net models challenging. Second, the base U-Net model only uses a single kernel type (i.e.,  $3 \times 3$ ) throughout the network for all convolution operations. Feature extraction using a single spatial extent throughout the network is suitable if the size, location, and shape of the salient regions remain static in all the dataset images, which is not necessarily the case in medical imaging. To address these two limitations, we propose an Efficient Multi-Encoder-Decoder based UNet (EMED-UNet), a novel architecture for efficient medical image segmentation. We evaluated our network on four medical imaging datasets: Montgomery County, Shenzhen COVID-19 CT-LS, and the BraTS (Brain Tumor Segmentation) dataset. EMED-UNet outperforms U-Net and its variants in terms of accuracy, with around 77% reduction in parameters, a 90% reduction in FLOPS, and a 79.2% reduction in memory usage (all as compared to U-Net). The results demonstrate that EMED-UNet is a lightweight and accurate model for image segmentation that substantially improves upon the U-Net base model and is more feasible to deploy, given its decreased computational cost.

## PLACEMENT DRIVES

Placement Season for 2023-24 batch of B. Tech (CE/CSE/IT/EC), MCA/IMCA, MSc.IT/IMSc.IT, BSc.(CS) and BSc.(DS)

On campus drives by Technovate IT Solutions, Arastu Systems, Inventy Software Services, Dana Inc., Kody Techynolab, Wellnest Health Monitoring/Royal Cheese Solutions, Landmark Group, Alpha E-BarCode, and Medkart were held on 5th, 6th, 11th, 14th, 15th 18th, 29th and 30th September respectively.

Off Campus Drives were held on Virtual/Hybrid model were held by Meditab, O2H Technology, Inventy Software Services and MB Motors Body Builders Ltd. were held on 4th, 5th, 9th and 16th September respectively.

A total no. of 30 students from B.Tech (CE/CSE/IT), MCA/MSc.IT, B.Tech (Automobiles) were selected with packages ranging of Rs.3.60 LPA and Rs.6.00 LPA and their joining is scheduled in Dec.2023/Jan.2024.

## PAPER PRESENTATION

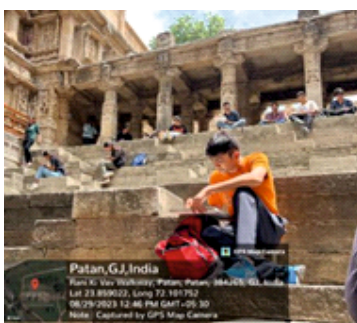
Mr. Ghanshyam Malviya, Lecturer, Department of Mathematics, ISHLS presented a paper entitled 'Exact Controllability fractional Evolution System using functional analysis approach' in the International Symposium on Mathematical Analysis of fractals and dynamical systems-2023 organised by Vellore Institute of technology, Vellore, Tamil Nadu, India.





## VISIT TO MODHERA & ADALAJ

Indus Architecture School organized a field visit for semester I and III students to the Sun Temple at Modhera and Rani-ki-Vav at Patan on 29/09/2023. The visit was part of the Skill Module for semester 1 students where they explored sketching by various mediums on site as guided by Assistant Professor Mr. Naitik Vakharia; and part of the Theory Module on Temple Architecture for semester 3 for which Assistant Professor Ms. Komal Thawrani took an on-site session for the students on "Understanding different Elements and Spaces of Temple Architecture". The visit was coordinated by Associate Professor Dr. Monika Gupta and Assistant Professor Ms. Komal Thawrani (for Semester III); Assistant Professor Mr. Naitik Vakharia and Assistant Professor Ms. Priyanka S. (for Sem I)



## STUDENT ACHIEVEMENTS

### NCC CAMP

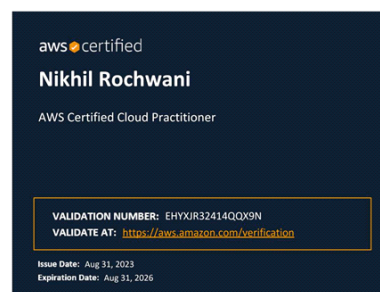
Camp was arranged by the NCC for 10 days in which 25 students from Indus University students took part. During the camp many activities have been performed by our students like drill, firing, cultural program, FC & BC in which our students did a great performance and got first position in firing. A total of 17 medals and one trophy were won by the cadets of Indus University.

All these achievements are made possible due to the constant efforts and support of ANO Lt.(Dr.)Parshva Shah and Registrar Dr. R.K Singh.



### AWS CERTIFICATE

Mr. Nikhil Rochwani, Student of B.Sc.-Data Science, Semester V, achieved AWS Certified Cloud Practitioner certificate on 31/08/2023.



## STATE LEVEL POWER LIFTING COMPETITION

Happy Raval, B.Tech semester VII student from Department of Civil Engineering, IITE, Secured 3rd Place in State Level Powerlifting Competition, which was organized by Gujarat Sports Powerlifting Association, organized on 13/08/2023 at Vadodara.



## BEST PERFORMER

Vedant Domadiya student of B.Tech Computer Engineering, IITE awarded "Best Performer in Software Development 2022-23" and also received swag bag from Google Cloud after the successful completion of Google Cloud's Arcade.



## PHARMA VISION

Students of IIPR, Indus University attended Pharmavision 2023 (A National Level Seminar) organized by Akhil Bharatiya Vidyarthi Parishad in association with Anand Pharmacy College during 16/09/2023 to 17/09/2023. A total of 20 B. Pharm. students had participated in various events like Pharma Recipe, Poster Presentation, Pharmapreneur, Youth Parliament, Pharmacist as a counsellor etc.



## BUILT A WEBSITE

Prince Shah student of B.Tech Computer Science Engineering, IITE build a full website using wordpress on 06/08/2023 and also created a lead generation messenger chat bot using chatfuel on 21/09/2023.



## VADNAGAR STUDY

Vadnagar study by students of semester V was conducted from 21/08/2023 to 27/09/2023 and was published in the news outlet 'At this time' on 30/08/2023. The article focuses on the type of documentation that the course addressed, naming the IIDEA department of Indus University in particular.





## BAMBOO WORKSHOP

A Bamboo Workshop was organized from 15/09/2023 to 17/09/2023, wherein B.Design- Interior Design Students of semester III, V and VII had explored the material types and learnt the treatments and techniques which can be applied to design multiple furniture and other Interior/Architecture Elements. It was a collaborative approach where students intended to brainstorm and design an element of Interior (a seating element with backdrop) for the Entrance area of Main building, Indus University.

The students started with designing prototypes in groups and based on the feasibility, one design was finalised for 1:1 scale Interior Element. The coordinators were Ms. Ashwarya Chauhan, Ms. Aakashi Patel, Mr. Rohit Kumar with Lab Assistant Mr. Dipak Patel



## A FALLING STAR

Still when i sit under an open sky,  
Always wish to see a falling star saying goodbye...  
In winter, In Summer or in other seasons,  
I want to see a falling star for a reason.

Even today at 19, when i grew,  
I believe the wishes from the star comes true...  
The gazzling thin white line, cheers me up,  
Makes my heart beat, a bit shaken up.

I wish my longings in hope of completing my cravings,  
But then the star vanishes, in a couple of seconds,  
Giving me the sky again full of diamonds.



*Saanvi Agarwal*  
(BA ENGLISH SEM 1)



## PEACE

Peace is eternal,  
somewhere deep inside me,  
I'm yearning for it,  
I'm searching for it,  
I'm stuck somewhere,  
and I'm asking my conscience,  
to guide me.

My conscience tells me,  
"it's not just you,  
who's wandering about,  
for this eternal glee.  
It's every person,  
in this everlasting universe,  
who's out on its search,  
to lift up a permanent curse."



I ask my conscience,  
"What is the 'permanent curse'?",  
"it's the money" he says,  
"Which brings fake peace to the universe."  
"People find peace,  
in chunks of paper,  
worthy bits with printed faces and numbers,  
is what most people favour."

I ask him now,  
"Where do I actually find peace?"  
he beamingly smiles and says,  
"At your own ease!"  
"Being satisfied with what you have,  
is where you find peace.  
with the blooming nature,  
is where you find peace.  
in the happiness of your loved ones,  
is where you find peace.  
in a relaxed mind,  
is where you find peace."

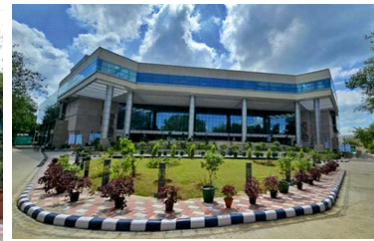
*Neil Surati*

## UDAAN BHAWAN: THE NEW HUB FOR AVIATION

The newly inaugurated Udaan Bhawan is poised to become the nerve centre of aviation oversight in India. This modern facility will house several key regulatory bodies, including the Directorate General of Civil Aviation (DGCA), Bureau of Civil Aviation Security (BCAS), Aircraft Accident Investigation Bureau (AAIB), Airports Economic Regulatory Authority (AERA), and the Airports Authority of India (AAI). By co-locating these vital entities, Udaan Bhawan aims to foster seamless collaboration and streamline administrative processes within the civil aviation sector.



OLD OFFICE OF DGCA



NEW OFFICE OF DGCA



Inputs by Senior Instructor Mr. Yogesh Kumar, WIIA

### **Dr. Rawesh Kumar – “A ZEALOUS RESEARCHER”**

A person synonym to the word ‘research’, person who believes in simplicity to the core, and who lives everyday to excel, is none other than Associate Professor - Dr. Rawesh Kumar. You can find him on the 4th floor of Bhanwar Building spreading joy and guiding students and colleagues alike.

Team i360 members, Ms. Mansi Mehta and Ms. Nisha Thankachen got an opportunity to interact with Dr. Rawesh Kumar and get inputs.

Dr. Kumar hails from a small village in Jharkhand, Dhanbad but that does not deter him from dreaming big. On his visit from hometown, he brings famous sweets and shares with all colleagues. He is a proud alma mater of IIT(ISM), Dhanbad and cleared CSIR-NET JRF in Chemical Sciences in 2012. With a clear focus on best publications, he has 53 research papers, all published in Scopus journals. On being asked about his greatest achievement in life, he humbly shared details of two of his papers published in international journals with impact factor 20.21, which is phenomenal. He has worked at NIT, Jamshedpur for 2 years. He believes in building expertise and further shared that for good results, meticulous planning is required.

Spiritual at heart, he sometimes likes watching movies too. His command over Hindi language coupled with his sense of humour, makes him a fun-loving person.

He strongly promotes that “If you have expertise, people across the world look for you”.

We wish him the best for his future endeavors.



Interviewed by: Ms. Nisha Thankachen & Ms. Mansi Mehta



Painting by Mr. Tirth Patel



Painting by  
Mr. Saumya Roy of FY-  
WIIA-IIATE



A sketch by  
Mr. Jenish Modi- FY  
WIIA and IIATE)



We express our gratitude and appreciate the efforts of the following i360 team representatives for coordinating with different institutes and collecting preliminary data.

- 1) IICT- Ms. Mansi Mehta
- 2) IIMS - Ms. Drishta Barot
- 3) IIATE & WIIA - Capt. Umang Jani
- 4) IISHLS - Dr. Bhavika Vyas
- 5) IIL & IIPR - Ms. Priya Singh Chauhan
- 6) IDS, IAS, WDC & ICSII- Dr. Monika Gupta
- 7) ISS (Indic Studies), T&P and SAC- Ms. Pushti Purohit
- 8) CE&IT, IITE - Ms. Sejal Thakkar
- 9) Computer Science Engineering, IITE - Dr. Ashwin Patni
- 10) Hard Branches, IITE - Mr. Marnish Modi
- 11) NCC - Lt. Dr. Parshva Shah.

Thank  
You!

### Team i360

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