



ज्ञानेन प्रकाशते जगत्

**INDUS
UNIVERSITY**

Where Practice Meets Theory

2021-22 Annual Report





About the University

Indus University has been established with the objective of making a noteworthy contribution to the social, economic and cultural life of our country. Having faith in the power of education, the builders of this university intend to impart knowledge to youngsters of society.

"Knowledge Enlightens the World"

The founders of Indus University aim to provide best quality education to their students. Believing in extensive growth, noticeable steps are taken whenever required to prepare students for the commercial industry worldwide. It would be best to say that every activity at Indus is practiced to elevate the level of education.

The three pillars on which this university firmly stands on are – educational wisdom, professional brilliance, and research & innovation, all of which are aimed at nurturing a spirit of entrepreneurship and social responsibility.

Vision

Indus university will be an internationally acclaimed university – amongst the best universities of our country – for academic excellence, professional relevance, research and innovation in socially relevant thrust areas, seamlessly integrating Indian values and global ethos, satisfying all its stake holders.

Mission

To offer quality technical and management education to the members of its community in the best traditions of creative and innovative teaching – learning process encompassing the philosophy; where practice meets theory" by ensuring state-of-the-art infrastructure and attracting competent and qualified human resources who will engage in research and development activities aimed for building the university.

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Board of Governance

Board of Governance consist of distinguished personalities like

Chairperson

Dr. Ritu Bhandari

Alternate Chairman

Dr. Nagesh Bhandari

Vice Chairman

Dr. Sandeep Chakravorty

Member Secretary

Dr. R. K. Singh

Members

- Prof. (Dr.) Vedvyas Dwivedi
- Shri Parindu Bhagat
- Dr. Satya Sai K Jillella
- Shri Dhruven Shah
- Shri S. J. Haider, IAS
- Shri Srinivasa Srinivasan
- Prof. (Dr.) Seema Verma

Board of Management

Chairperson

Dr. Ritu Bhandari

Co - Chairman

Dr. Nagesh Bhandari

Vice Chairman

Dr. Sandeep Chakravorty

Member Secretary

Dr. R. K. Singh

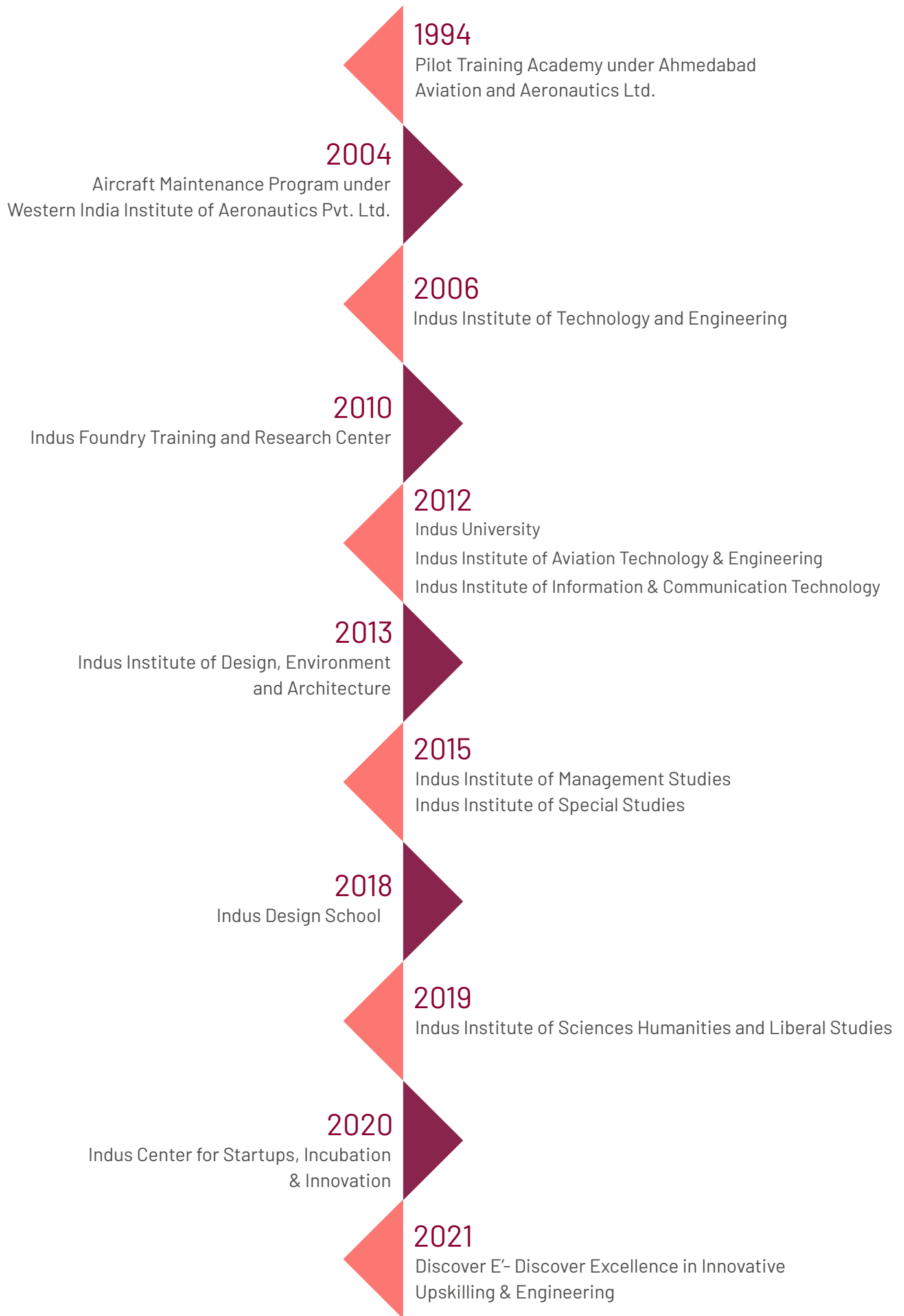
Members

- Prof. (Dr.) Vedvyas Dwivedi
- Dr. Pramod Joshi
- Prof. (Dr.) Seema Verma
- Dr. Ritendra Sharma
- Mr. Amol Bagesar

Where Practice Meets Theory



The Journey of Indus



Constituent Institutes & Academic Programs



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 Engg.
- Civil Engg.
- Computer Engg.
- Computer Science & Engg.
- Electronics & Communication Engg.
- 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 Sciences



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
- B.Com. (Honors) with ACCA, UK
- BBA in Aviation Management
- MBA in Aviation Management



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 and Chemistry
- Master of Science in Clinical Research, Mathematics, Physics and Chemistry



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".



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)
- Master of Science (Information Technology)
- Master of Computer Application
- Integrated MCA (BCA + MCA)
- Integrated M.Sc. (CA & IT) (B.Sc. + M.Sc.)



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.

Research & Development and Publications

Doctorate Degree Awarded to:

Dr. Rootvesh Mehta, Department of Mathematics, IISHLS, "Solution of Stiff Differential Equations Using Neural Network Methods", Supervisor: Dr. Sandeep Malhotra.

Dr. Mudit Saxena, Department of Mechanical Engineering, IITE, "TQM implementation in manufacturing industries and its impact on organizational performance", Supervisors: Dr. K.V.N. Srinivasa and Dr. Dharmil Patel.

Dr. Vinod Varghese, Department of Management, IIMS, "A comparative study of microfinance models of Gujarat", Supervisors: Dr. S.O. Junare and Dr. R.K. Singh

Dr. Vaibhav Desai, Department of Computer Science, IICT, "Automatic identification of argument elements among text data of parliamentary debates", Supervisors: Dr. Vishal Dahiya and Dr. Hiren Joshi.

Ph.D. Statistics:



Industry Connect

Indus University has an independent vertical Training & Placement Department. The Training & Placement Department is led by a professional team with many years of experience in industry and academic institutions. It serves as the focal point for career counselling for university students pursuing studies in all programmes and streams. It provides students with overall career solutions by assisting them in deciding and pursuing their dream careers as well as facilitating the industry-academia interface through industrial visits, expert sessions, seminars, workshops, internships, campus recruitment drives and placements. It is always on alert for prompt response and puts in all the effort to widen the network.

Packages 2021-22

₹10.00 LPA

Byju's

₹09.00 LPA

Future
Technologies

₹6.00 LPA

1) GE (LM Windpower Ltd.)
2) Cathedral Bells
3) Jaro Education

₹5.70 LPA

Keyence India

₹05.50 LPA

1) Godrej & Boyce
2) Synoptek
3) Zeus Learning

₹04.60 LPA

Gateway Group

₹04.50 LPA

1) Meditab
2) Wellspul Steel
3) Saar Loha (Kalyani Forge)

₹4.20 LPA

ITC Ltd

Percentage of B.Tech. Students Placed: **91.28%**

Total Number of Companies: 279

1) IT & ITES Sector - 224

3) Management - 38

5) Chemical/Pharma - 8

2) Core - 41

4) Non-Tech(GEN.) - 36

Top Employers

Highlights of the University Level Events

Discover E'-Discover Excellence in Innovative Upskilling & Engineering:

To bridge the gap between curriculum and Industry, with the foresightedness and direct initiatives of Dr. Nagesh Bhandari, Hon'ble Presidential Secretariat, Indus University, a facility equipped with state of the art machines, tools and equipment was inaugurated by Dr. Ritu Bhandari, Hon'ble President, Indus University. This facility called 'Discover E'- Discover Excellence in Innovative Upskilling & Engineering, is loaded with ultra advanced tools and machines that have been imported majorly from countries like Japan, Germany and other parts of the world. This facility aims to give a hands-on experience to the Indus University's students and faculties with the upcoming latest trends in industrial technology. Along with the students and faculties, Indus University has about 35+ student startUps at Indus Center For StartUp Incubation and Innovation (ICSII) who will also get directly benefited from this facility on campus. The faculties and Students will be trained by the industry experts from Bosch, Germany & Makita, Japan on these tools and machines and then these trained trainers will train the next batch of trainers in a TTT (Train The Trainer) program spreading the knowledge and evolving the skills of all students and faculties of Indus University.



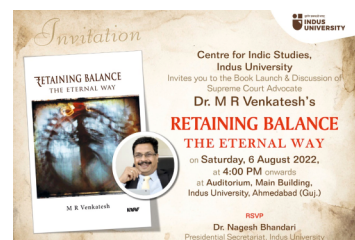
Common Wealth Business Forum:

Miss. Radhika Bhandari, Dean - Faculty of Aviation and Technology and Director - Western India Institute of Aeronautics was the only women nominee from Govt. of India to participate in the common wealth Business Forum held at Kigali, Rawanda from June 21-23, 2022.



National Conference on Digital Security:

Ms. Radhika Bhandari, Dean - Faculty of Aviation and Technology and Director - Western India Institute of Aeronautics invited as a panel member in the National Conference on Digital Security held on September 9, 2022 along with Senior Director Ministry of Electronics and Information Technology, GOI, Chairman for Centre for Research of Cyber Crime and Cyber Law and other dignitaries.



Member of the Indian Delegation:

Miss. Radhika Bhandari, Dean Faculty of Aviation and Technology and Director Western India Institute of Aeronautics was a member of the Indian delegation meeting Mrs. Patricia from Scotland.



Book Launch:

Centre for Indic Studies, Indus University in collaboration with Bhartiya Vichar



Highlights of the University Level Events

Manch, Karnavati organised a Book Launch & Discussion of Shri Omendra Ratnu's *Maharanas: A Thousand Year War For Dharma* on July 2, 2022.

Centre for Indic Studies, Indus University organised a Book Launch & Discussion of Dr. Mr Venkatesh's *Retaining Balance The Eternal Way*, on August 6, 2022.

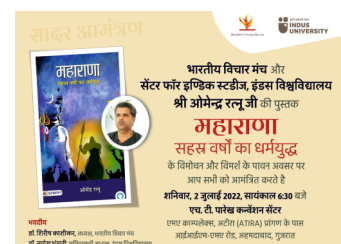
Centre for Indic Studies, Indus University celebrated the birth centenary of Shri Dharampal by inviting eminent speakers on a discussion forum on "Revitalizing India" on August 13, 2022.

Centre of Indic Studies, Indus University started the life sutra series with the first talk on "Incredible Success Stories" by Sadhu Vivek Jivandas on August 25, 2022.



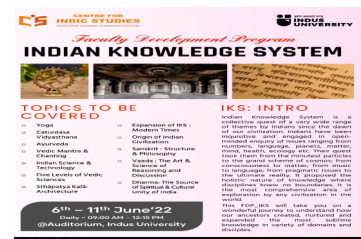
Indian Knowledge System (IKS):

UGC has declared to include IKS as a separate academic discipline among the subjects of UGC for the same. UGC has constituted a committee to frame the syllabus of IKS. Dr. Ram Sharma, Dean - Indus Institute of Special Studies is one of the members nominated by UGC for the same. He is also in the UGC expert committee to formulate guidelines for training/orientation of faculty on IKS as per provisions mentioned in the NEP 2022.



Indian Knowledge System (IKS) Mela:

Dr. Ram Sharma, Dean Indus Institute of Special Studies also participated in IKS Mela organised on July 29-31, 2022 conducted by IKS Division Ministry of Education Govt. of India at AICTE, New Delhi.



Expert Session on "The Expansion of Indian Knowledge system in Modern Times":

Gujarat Technological University established its centre for IKS in June 2021. Dr. Ram Sharma, Dean - Indus Institute of Special Studies delivered a session on "The Expansion of Indian Knowledge system in Modern Times" on July 15, 2022.



Expert Session by Mr. Vishwaraj Jadeja - India's Leading Long - Track Ice Speed Skater:

Indus University had organised an expert session by Mr. Vishwaraj Jadeja on April 22, 2022. He is India's fastest long-distance ice skater and has put India on the map for creating world records in ice skating. Vishwaraj Jadeja is known as the man who put Indians on the map of ice skating.



Highlights of the University Level Events

Engineer's Day :

Indus Institute of Technology & Engineering celebrated Engineer's Day on September 15, 2021. The theme of the event was "Engineers for a Self-Reliant India". The Chief Guest of the function was Shri. Nilesh M. Desai, Distinguished Scientist and Director, Space Application Centre(SAC/ISRO), Ahmedabad.



Induction & Student Empowerment Program:

"Induction and Student Empowerment Program" for first-year students was organised by Indus Institute of Technology & Engineering on September 30, 2021 and October 1, 2021. The goal of the programme was to make the students feel comfortable in their new environment, set a healthy daily routine and create bonding within the batch as well as between faculty and students. The programme also aimed to give a proper orientation to the new students about the course and their future prospects. The Chief Guest of the Inaugural function was Shri. G. T. Pandya, IAS, Director of Technical Education, Government of Gujarat.



Indus Institute of Information & Communication Technology organised an "Orientation programme" for newly enrolled undergraduate and postgraduate course students on virtual platforms from August 31-September 03, 2021.



The Orientation Program of Indus Institute of Science, Humanities & Liberal Studies for the UG and PG students of 2021 batch organised on September 20, 2021. Mr. Tanmay Vyas, a well known speaker of Astrophysics has given an expert session on "What is the role of Science....?". Dr. Vishal Joshi, Scientist in Astronomy & Astrophysics Division, PRL has given an expert session on "Joy of research(in science)" in an orientation program.



The Orientation Program of B.ARCH. 2021 batch organised on November 11, 2021. Presentation on Architectural Pedagogy and Curriculum has given by Mr. Manan Singal and Ms. Radhika Amin.



Smart Gujarat for New India Hackathon:

Indus University hosted the inaugural function of the grand finale of the "Smart Gujarat for New India Hackathon" on August 10, 2021. The event was inaugurated by Shri Bhupendrasinh Chudasama, Hon'ble Education Minister, Government of Gujarat. In this event, 9 teams, consisting of a total 37 students from various colleges in Gujarat participated with full enthusiasm to showcase their technical skills in problem-solving ability. The performance of each team was evaluated by a team of jury members appointed by the government of Gujarat. Indus University was proud to host the event and played an active role in promoting student startup projects, jointly funded by the Indus University and SSIP, Education Department, Government of Gujarat.



Highlights of the University Level Events

Smart India Hackathon 2022:

Indus University organised an internal hackathon on March 29, 2022. A total 40 teams were registered for the internal hackathon from various disciplines on various problem statements. Based on the internal and external jury evaluation a total of 15 teams were selected for SIH 2022.

CODIFY from IITE, Indus University have won the First prize in Smart India Hackathon 2022. Team leader was Samkit Sanghvi (CSE - C). Team Members were Ishita Joshi (CE - A), Panvee Bhatt (CE - A), Vraj Patel (CE - A), Nishit Thakkar (CE - A), Akshat Shah (CSE - C). Nodal Center is VBIT Hyderabad Prize Money was Rs. 1 lakh.

International Yoga Day Celebration:

On the occasion of International Yoga Day, a well known Sahaj Yoga practitioner and trainer was invited to address the concern and to help Indus Family to cope up with this integral issue "stress" on June 21, 2022.

Community Outreach Program:

Indus University organised a Community Outreach Program on October 9, 2021 under Extension Education. In a humble effort to reach out to its own immediate community "One-Day Workshop on English for Young Learners" was organized for the children of the Administrative and Ground Staff of the University. All the children thoroughly enjoyed the interactive workshop, especially designed to cater to the needs specific to their age-group. The Management of Indus University believes in the philosophy of social responsibility and a moral obligation to help their communities for the larger welfare of society, which ultimately leads to nation building and this initiative was a step taken in the right direction to bring together those whom we value and care for under the fold of Indus University.

Parents Teacher Interaction:

Indus Institute of Technology and Engineering conducted an online "Orientation with Parents Teacher Interaction" for all B. Tech Students of the 2020 Batch on July 14, 2021. The main aim of the meeting was to create an interaction between the faculties and parents of students. In the meeting, a variety of issues were addressed regarding the students' educational experiences and their all-around development. The goal was to build a healthy relationship with the faculty mentors, students, and their parents.



Highlights of the University Level Events

75th Independence Day Celebration:

Indus University celebrated its 75th Independence Day Campus on August 15, 2021. On this occasion, the University has also organised the plantation of medicinal plants by the faculty members at Indus University Campus. All 75 medicinal plants were planted with the co-operation of faculty members.

International Conference of Academic Institutions, Vibrant Gujarat 2022:

The "International Conference of Academic Institutions" was organised on January 5-6, 2022 at Vigyan Bhavan, Science City, Ahmedabad, Gujarat in coordination with the Ministry of Education, Government of India and globally renowned universities under the aegis of Vibrant Gujarat Global Summit 2022. The ICAI 2022 Endeavours provided a forum for academicians, researchers and students from around the world to discuss the NEP - 2020 (National Education Policy) and its role in transforming higher and technical education. Indus University's Honourable Vice-Chancellor and Executive President laid the groundwork for a strategic partnership with foreign universities in the areas of education, research, faculty and student exchange, knowledge transfer and capacity building.



Highlights of the University Level Events

73rd Republic Day Celebrations:

Indus University celebrated the 73rd Republic Day on January 26, 2022 with immense joy, pride, and enthusiasm. The NCC cadets, faculty members and students of the university were present to remember the great freedom fighters who showed incomparable courage in their pursuit of the dream of Swaraj.

PhD Orientation Program:

Indus University organised a "Ph.D. Orientation Program" on January 22, 2022 for Ph.D. Research Scholars. The aim of the PhD Orientation programme was to understand the roots of research and why it should be oriented towards solving the problems of society. The Chief Guest, Dr. Anil Bhardwaj, Director, Physical Research Laboratory, illuminated the research scholars about discovery and research. He enlightens attendees that there is no shortcut to hard work and that research is a never-ending process.

Indus University had organised an "Ph.D. Orientation program" on July 6, 2021 for the July 2021 admission batch. Dr. Shashank Chaturvedi, Director, Institute for Plasma Research (IPR), Gandhinagar was invited as a Chief Guest for the PhD Orientation.

Indus Alumni Association:

Indus University organised an Alumni Meet on April 17, 2022. The Alumni Meet is to reconnect with the Alumni and celebrate their success and various achievements. This forum has been built to keep alumni (the former students) connected with the university. Alumni are vital pillars of the institution who work towards the university's development. Alumni Meet was graced by Dr. Nagesh Bhandari & Dr. Ritu Bhandari, Hon'ble Presidential Secretariat. Many of the enthusiastic ex-students have performed cultural activities during Alumni meet.

Robotic Café:

Mr. Aakash Gajjar, an alumnus of the Automobile Engineering department's 2011 batch, has opened a cafe called Robotic Cafe, which is a fully machinery-based cafe where food is served by robots. He currently holds the position of Managing Director at Penguin Innovative Engineering PVT LTD and his company is predisposed to inventions and making a difference in the field of technology. Being a tech enthusiast, he has proved his excellence by providing food automatic solutions like the automatic pani puri machine, automatic mukwas machine, automatic sauce dispenser and automatic tea-coffee maker.



Highlights of the University Level Events

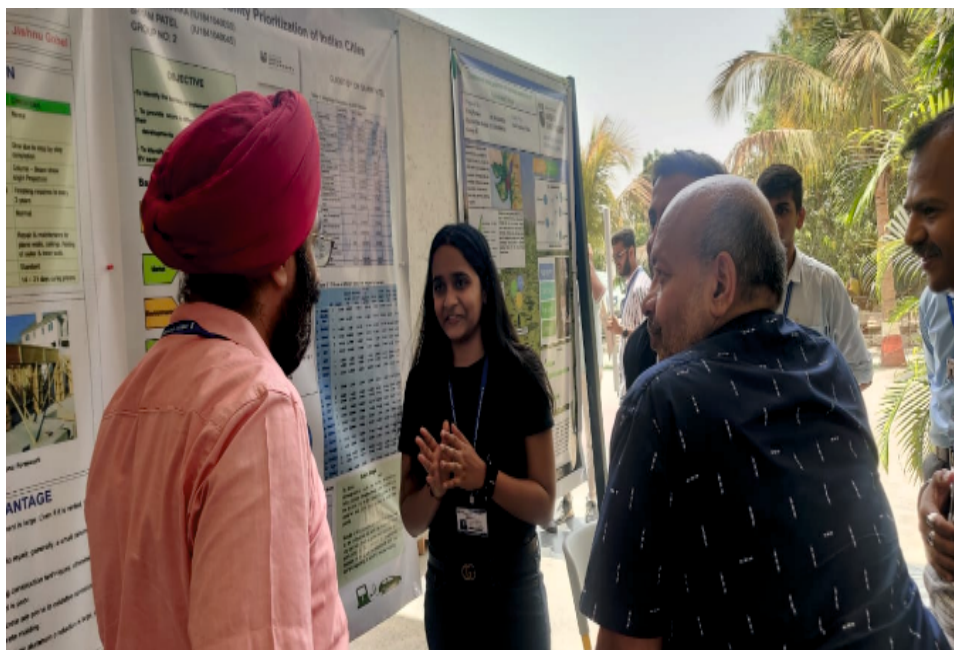
Indus Technofreaks:

The Indus Institute of Information Communication and Technology organised “Indus Technofreaks” on January 22, 2022. In this event, students from different schools and colleges have participated. The TechnoFreaks 2K22 included five events, three of which were technical (Code-Golf, Code-Golf Technique, and Verve) and two of which were non-technical (Sketch-IT, Brainstorming).



Project Exhibition by Indus Institute of Technology & Engineering:

Indus Institute of Technology & Engineering, Indus University organised a “Project Exhibition” of final year students on April 23, 2022 to inculcate a culture of innovation. It was an annual celebration of the technical accomplishments of undergraduates. More than 250 project groups from Computer Science Engineering, Computer Engineering, Information and Technology, Materials and Metallurgical Engineering, Electronics and Communication Engineering, Civil Engineering, Mechanical Engineering, Automobile Engineering, and Electrical Engineering students participated in the event. The top two projects from each department have been identified by the multi-disciplinary jury members.



Highlights of the University Level Events

National Science Day Celebration

Indus University and Vigyan Gurjari Karnavati Gandhinagar Unit jointly celebrated "National Science Day" on March 2, 2022. The Honourable Minister of State for Higher and Technical Education and Legislative & Parliamentary Affairs, Government of Gujarat. Dr. Kuberbhai Dindor was invited as chief guest. As an honoured guest, Dr. Prashant Kunjadiya, Director R&D, Joint Secretary and Treasurer Vigyan Gurjari, Gujarat Prant was invited. Prof. Anil Bhardwaj, Director-PRL also graced the function as a Guest of Honour and enlightened the audience with his experience and valuable guidance. Students also actively participated in poster presentations, quiz competitions, and speech competitions.



Dr. Ishbir Singh, Director, IITE represented Indus University as an eminent Panelist in a virtual session on "Electric Mobility is Rising: Is India Ready for Electric Vehicles?" on April 23, 2022.



International Women's Day Celebration

To strengthen physical and mental health, WDC organised yoga sessions for all female faculty/ staff members and girl students on March 12, 2022. Women Development Cell invited RJ Harsh from Radio Mirchi 104 to interact with faculty members and students. WDC also provides a platform to our faculty and girl students to showcase their talent as a part of the International Women's Day Celebration.



Fashion show on "Image Creation and Self"

Indus Design School students organised a fashion show "Image Creation and Self" on March 12, 2022 aims to create links between fashion and fiction. Students have explored various mediums to understand iconology, aesthetics and image creation.



Certification Course

Indus Institute of Technology & Engineering, Indus University, organised a certification programme on "Lift Maintenance" on March 14, 2022. The certification programme has been jointly organised by the Department of Electrical Engineering and the Department of Mechanical Engineering of IITE. Total 30 students participated in this program.



Indus Institute of Technology & Engineering, Indus University has launched a second batch of certification programmes on the "Internet of Things" on March 12, 2022.

Highlights of the University Level Events

The objective of the certification course is to provide hands-on skill development to students in the field of the Internet of Things. The course is being offered at two levels : 1) Basic Level (30 hours) includes Arduino and sensor interfacing; and 2) Advanced Level (30 hours) includes Raspberry-pi and peripheral interfacing. The first batch of basic level certificate courses started on June 15, 2021.

The Computer Engineering Department has started a certification programme titled "Flutter for Beginners" in collaboration with Aakash Technolabs on June 2, 2022. Flutter is the most in-demand development kit, more than 75% in demand compared to other frameworks, tools, and libraries. It is a 60-hour certification course from June 2, 2022 to June 22, 2022.

The Civil Engineering Department, Indus Institute of Technology & Engineering organised three different certificate courses covering various software used in civil and other allied industries.

The courses were:

Microsoft Project

Revit Architecture

Steel and R.C.C Building Design using Staad. Pro

The certificate courses began on June 6, 2022 and ended on July 2, 2022.

The Department of Materials and Metallurgical Engineering organised a three-day certificate programme on "Thermo-Calc Software" along with the ASM Gujarat Chapter and Thermo-Calc Software from October 6, 2021 to October 8, 2021. This programme was a combination of theory and a Thermo-Calc software demo, followed by practical sessions. The program's goal was to provide undergraduate, postgraduate, scholars, faculty and industry personnel with opportunities to expand their technical knowledge of fundamental thermodynamic concepts using Thermo-Calc software. Dr. KC. Hair Kumar, Professor, Department of Metallurgical and Materials Engineering, Indian Institute of Technology Madras addressed the gathering as a chief guest.

Indus Institute of Information & Communication Technology organised certification courses in the virtual mode from May 30, 2022 to July 8, 2022 to learn recent and updated technologies in the market which was open for all the UG/ PG students as well as faculty members, researchers and other interested candidates. Department successfully finished three certification courses of 20 hours each.

The course were:

Python & R for Data Science

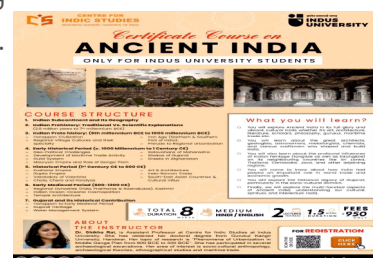
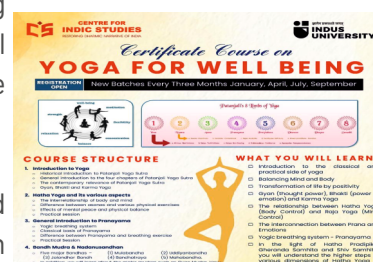
ECommerce website development using WordPress and woo-commerce

Quickbig data-360°

Centre for Indic Studies at Indus University organised following Certificate Courses.

Yoga For Well Being

Ancient India



Program Organized by Indusians

1. The Automobile Engineering Department organised a webinar on "How to be Industry Ready for the Post-Pandemic World" on January 27, 2022. The onset of COVID-19 brought a set of discontinuities that drove the jolt to growth and productivity. The potential may be the largest as companies reshape their long-term strategies to reflect and define the next normal.
2. The Automobile Engineering Department organised a session on "Engine Overhauling" on April 9, 2021. The participants learned about the various engine components and their roles. They were also taught how to measure various components as well as how to assemble and disassemble an internal combustion engine.
3. The Automobile Engineering Department organised an Exposition of EV Charger on April 19, 2022, in association with Raybotix Technologies PVT LTD where different aspects related to the charging and their charging Systems will be Displayed.
4. The Civil Engineering Department organised a two-day faculty training programme on "The Software of Edificius" on July 16-17, 2021 in association with ACCA SOFTWARE and HORIZON CAD SOLUTIONS for Building Information Modelling, 3D Building Modelling, Rendering with AI, Project Scheduling, Cost Estimation, Point Cloud and Virtual Reality.
5. The Civil Engineering Department organised a two-day workshop on "Advances in Structural Engineering: Tools & Techniques" on August 27-28, 2021.
6. The Civil Engineering Department organised a two-day webinar series on "Monitoring techniques of reinforcement corrosion" and "Durability of Concrete Structures" on October 12-13, 2021. Esteemed speakers and experts, namely Dr. Raghubabu Uppara, Associate Professor of the Department of Civil Engineering, Srinivasa Ramanujan Institute of Technology (Autonomous), Anantapuramu, Andhra Pradesh and Prof. Rahul Shah, Assistant Professor of the Department of Civil Engineering, Navrachana University, Vadodara, Gujarat from the Academia, have presented their talks during different sessions.
7. The Civil Engineering Department organised an Awareness campaign cum Exhibition on "Disaster Management: for a safe future" on April 19, 2022. A total of 53 posters were exhibited on various topics of Disaster Management.
8. The Civil Engineering Department organised an Expert Talk on "Practice Research to Research Practice in Construction Project Management" on April 28, 2022. The expert was Dr. Dilip Patel (Associate Professor, Civil Engineering Department, SVNIT, Surat). He enlightened the students about the latest trends in the domain of construction project management.
9. The Computer Engineering Department organised a webinar on "Introduction to DevOps with Microsoft Azure" on August 28, 2021. The webinar was focused on DevOps, which is the latest philosophy and approach for building software projects in a more transparent, trackable, and speedy manner.
10. The Computer Engineering Department organised the National Level Technical Event "Tech Tycoon" on August 27, 2021. This event consists of four technical events like Web Design, Digital Multimedia, Mind Optimizers, and Runtime Error.
11. The Computer Engineering Department organised an event on "Imagination Hunt" from July 26-28, 2021.
12. The Computer Engineering Department organised a webinar on "Cyber Security: An integral part of Our Life" on August 12, 2021. The purpose of the webinar was to educate the students about the importance of cyber security in the current digitised era.
13. The Computer Engineering Department organised a Technical Session on "AI-based Video Analytics" by Prof. Dr. Supavadee Aramvith, Chulalongkorn University, Thailand on August 25, 2021.
14. The Computer Engineering Department organised a five-day GUJCOST sponsored STTP on "Data Science Application" in India's Economic Recovery Post-COVID, Reverse Migration and Rehabilitation in various sectors from September 27-October 1, 2021.
15. The Computer Engineering Department organised a webinar on "Blockchain: The Concept & Its Use" on October 6, 2021. The session was conducted by Mr.

Deepak Pareek, CEO, AgriWatch & Technology Pioneer, World Economic Forum.

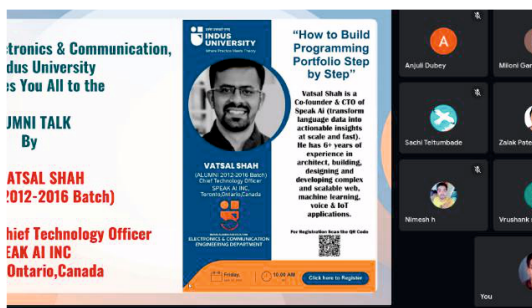
16. The Computer Engineering Department organised an expert talk on "Web Development Using Node JS" on October 9, 2021. The Expert Talk was delivered by Mr. Akash Padhiyar, Founder & CEO, Akash Technolabs, Ahmedabad.
17. The Computer Engineering Department and IEEE SPS Gujarat Chapter, Women in Signal Processing (WiSP) organised a session on "Cyber Security" by Ms. Vandana Verma Security Relations Leader-APJ, Global BoD at OWASP Infosec Girls on October 27, 2021. The Speaker, Ms. Vandana Verma has been the recipient of the Cyber Security Woman of the Year Award 2020 by CyberSec Awards.
18. The Computer Engineering & Computer Science Engineering Departments organised a "Tech-e-thon" from January 17-24, 2022. The first event was Web development which focused on the front end HTML, CSS, and JS. The second event was gaming which was played in a team and aimed towards team building and strong communication.
19. The Computer Engineering & Computer Science Engineering Departments organised a webinar on "Commercialization on IPR" on January 29, 2022. Dr. Ankita Jain, Independent IPR Management Consultant conducted the session.
20. The Computer Engineering & Computer Science Engineering Department organised an expert talk on "Cyber Security Arms Race" on March 12, 2022. An interactive session was conducted by Mr. Ajinkya Lohakare.
21. The Electrical Engineering Department organised a three-day GUJCOST Sponsored Workshop on "Power Electronics for Renewable Energy Based Distributed Generation" on September 28-30, 2022.
22. The Electrical Engineering Department conducted a webinar on "Sustainable Development" on October 4, 2021. The speaker was Mr. Raju Shah, Director, ESCON TECH.
23. The Electrical Engineering Department organised a webinar on "Synchrophasor Technology: Wide Area Monitoring Systems In Gujarat Power Systems" by expert Mr. Devendra Parmar JE, SLDC, GETCO on October 20, 2021.
24. Department of Electrical Engineering organised the Alumni Talk on "EV Eco System and Opportunities" by Mr. Devansh Shah, Founder Evamp Technologies Pvt. Ltd on June 24, 2022.
25. The Electronics & Communication Engineering Department organised a GUJCOST sponsored two-day workshop on "Recent Antenna Technology for Medical Applications" on August 23-24, 2021.
26. The Electronics & Communication Engineering Department organised a webinar on "Free Space Optical Communication" by expert Dr. Santanu Konwar on September 30, 2021.
27. The Electronics & Communication Engineering Department with the aim of explaining quantum information processing organised a national webinar on "Quantum Information Processing for VLSI Design" on January 3, 2022. The speaker of the national webinar was Dr. Deepti Khurge, Innovation Ambassador & Associate Professor, Pimpri Chinchwad College of Engineering.
28. The Electronics & Communication Engineering Department conducted an Alumni Talk by Mr. Vatsal Shah (2012-2016 batch) on "How to Build a Programming Portfolio Step by Step" on April 29, 2022.
29. The Electronics & Communication Engineering Department conducted an Alumni Talk on "Build Your Career Portfolio in Hardware, Software & Networking Domain for B.Tech (Electronics & Communication) & B.Tech (Information & Communication Technology) by Krima Rohela, Alumnus (2015-2019) of Indus University on June 20, 2022.
30. The Electronics & Communication Engineering Department organised a National Webinar on "Computer Vision and ML/DL in Remote Sensing" under the MoU of SAC-ISRO, Ahmedabad on February 12, 2022 by Speaker Shri Debajyoti Dhar, Outstanding Scientist and Group Director of the Signal & Image

Processing Group in the Space Applications Centre, SAC-ISRO Ahmedabad.

31. The Mechanical Engineering Department organised an online webinar lecture session on "Radio Frequency Plasma Spheroidisation for Metallic and Ceramic 3D Printing Applications" on September 27, 2021.
32. The Mechanical Engineering Department organised the webinar on the "3D Experience Platform" in association with Engineering Technique.
33. The Mechanical Engineering Department organised the Training & Awareness Program on "First Aid & Basic Life Support" for Teaching and Non-Teaching Staff Members of Indus University in association with K.D. Hospital, Ahmedabad, under the Extension Education Cell of our university on October 30, 2021.
34. The Mechanical Engineering Department organised an Expert Talk on "Current Industry Trends for Product Validation using ANSYS" on April 8, 2022. Mr. Nilkanth Raichura (Technical manager, Bluechip Infocorp Pvt. Ltd., Ahmedabad) enlightened the students about the latest trends in industry with case studies using ANSYS.
35. The Mechanical Engineering Department organised an expert lecture titled "Biomass Gasification Need of the Hour-Theory & Practice" on April 13, 2022.
36. The Materials and Metallurgical Engineering Department organised a webinar on "Me, My Visiting Card, and Friends" by Mr. Durai Jaiker, Managing Partner, Almighty Beverages on July 22, 2021.
37. In remembrance of Bharat Ratna Sir Mokshagundam Visvesvaraya, "State Level Poster Presentation Competition-Engineers' Day Celebration-2021" was conducted on September 15, 2021 by the Materials and Metallurgical Engineering Department along with GEC-Gandhinagar, MS University, IIM-Baroda Chapter and Vigyan Gurjari.
38. The Materials and Metallurgical Engineering Department, Indus University organized an online Alumni Meet on June 25, 2022. 70 alumni participated in the virtual meet.
39. The Materials and Metallurgical Engineering Department organised a guest lecture titled "Advanced Welding Technology for Industry" on April 5, 2022. Dr. Murnal Kumar Chaudhuri, Assistant Professor, LD Engineering College spoke about the advanced welding technology, the centre of excellence for welding in LD College and job opportunities in welding.
40. The Department of Computer Science Indus University organised a webinar on "Choose your technology wisely for the job market" on July 24, 2021 under the Association of Computer Science and Information Technology.
41. The Department of Computer Science has organised a workshop on "Python Django Framework" on October 11, 2021 under the Association of Computer Science and Information Technology. The keynote speaker for the workshop was Mr. Hitesh Kachhala, Sr. Python, IOS and Android developer.
42. The Department of Computer Science has organised a webinar on "Machine Learning and how it is changing the world" on October 23, 2021 under the Association of Computer Science and Information Technology. The guest speaker was Mr. Nilabh Nishchal, a data scientist from Bharat Petroleum Corporation Ltd.
43. The Department of Computer Science has initiated a new technological event "Agnitio 2022" under the Association of Computer Science and Information Technology (ACSIT) on April 11, 2022. This technological event was organised to encourage appreciation and participation in the cultural diversity and ethos of our national heritage and to enhance the manifestation of youth's creativity and potential.
44. The Indus Institute of Management Studies organised a session on the topic "Black money and Tax Heaven." It was conducted on October 26, 2021 by Dr. R. Vaidyanathan.
45. The Indus Institute of Management Studies organised a session on the Industry Institute Interaction Series on November 18, 2021. Mr. Anurag Mishra, Founder of ADOR Health, Ahmedabad was invited as the Guest Speaker on the Topic "Entrepreneurship :

Opportunities & Challenges."

46. The Indus Institute of Management Studies organised a session of the Industry Institute Interaction Series which was held on December 14, 2021 wherein Mr. Anandaday Mishra, Founder & Managing Partner – AMLEGALs, Ahmedabad was invited as the Guest Speaker on the Topic "Contracts in Business Transactions."
47. Indus Institute of Management Studies organised a session of the Indus Institute Industry Interaction Series on April 7, 2022 wherein Mr. CIRAG KAPADIA , CEO-TACTPRO CONSULTING , Ahmedabad was invited to deliver an Expert Session on "Blockchain & FINTECH".
48. Indus Institute of Management Studies organised a co-curricular activity "CEO Faceoff" for the students of management courses. It was a planned activity with the goal of having in-depth knowledge of various industries and acting as a CEO with maximum competence with other participants.
49. The Department of Languages organised a One-Week "International Workshop on Teaching Language Through Literature" for Post-Graduate Master of Arts(ELT) students from August 9-14, 2021. Resource persons were invited from Michigan State University (USA), Cambridge English (British Council), EFLU (Lucknow), Shivnadar University (Chennai), Central University of Tamil Nadu, and GLS University (Ahmedabad) who provided excellent exposure in the domain of ELT to the students of the department.
50. A series of Guest/Expert lectures had been organised by IISHLS on the topic of "Thin Film Physics" on April 15-16, 2022. The sessions were conducted by External Speaker, Dr. Amitkumar Jasubhai Patel, Assistant Professor (Physics), Government Engineering College, Godhra
51. Departments of Mathematics, Chemistry and Physics organised a workshop on "Recent Trends in Basic Sciences and Career Counselling", on May 4, 2022. Wherein total 92 students from Indus University and other universities of the state registered.



Student Achievements

1. Students from the Computer Engineering and Computer Science Engineering Department "CODIFY" secured the first prize in the Smart India Hackathon 2022 with the winning prize amount of "one lakh". The team was headed by Samkit Sanghvi (CSE-C) and other team members Ishita Joshi (CE-A), Panvee Bhatt (CE-A) Vraj Patel (CE-A), Nishit Thakkar (CE-A) and Akshat Shah (CSE-C).

2. Aakash Pawar, Umang Ajwalia, Mihir Jadi, Agraj Vaishnav, Mitesh Gulecha, Krishna Patel, and Feni Bodar, from the Computer Engineering Department, Indus University secured 3rd place with a cash prize of Rs. 25000/- in the medium scale award category of Smart Gujarat for the New India Hackathon. This 36-hour Grand Finale of the Smart Gujarat for New India Hackathon 2020 Competition had been organised in 14 different institutes of Gujarat on August 10-11, 2021. In the finale, students worked with a problem statement on "Multi-Level Marketing" which was given by SGH 2020.

3. Students Umatia Jeet Anjanbhai, Shah Margi Hiteshbhai, Raval Yashkumar Kaushikkumar, of M.Sc. Chemistry Sem.-III were awarded with the best poster award in the National e-Conference on "Recent Advances and Future Trends in Biological, Chemical, and Physical Science 2021" (RAFTBCPS - 2021) organised by President Science College during July 30-31, 2021.

4. Dharmik Vadodariya, Nancy Lo and Aesvi Chovatiya -M.Sc. Chemistry Sem.-I students, secured first place in the oral presentation category; Karm Patel and Kishor Lohar, second place winners in the quiz competition and Niraj Patel, who took part in the quiz competition at "Chemfest-2021," which was held by Ganpat University, Kherva, on 29-30 December, 2021.

5. Vikas Singh, student of the Electronics & Communication Engineering Department, Indus University, participated in the National Environment Youth Parliament 2022 on April 16, 2022.

6. First year students from the Civil Engineering

Department represented Indus University in the Lakshya-2022 - techfest held at LDCE, Ahmedabad during April 28-30, 2022. Students stood second in the events "Bridge the Gap" and "City Mania."

7. Mr. Hatim Khokhawala, Mr. Samarpan Panchal, Ms. Bundeliya Himanshi and Mr. Suraj Kishor from MSc physics secured the first, second and third place in the National Level Competition of Gujarat Vigyan Sammelan-2022 organised by Vigyan Gurjari.

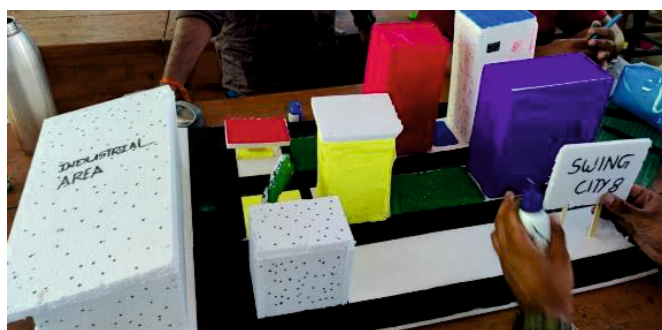
8. Vishvesh Kholiya, Kshitij Doshi, Neel Gandhi have published a paper entitled "Collection, Investigation, Household Usage and Application of Sewage Gas" in the UGC care journal.



National Environment Youth Parliament



Lakshya - 2022 (Tech Fest)



Lakshya - 2022 (Tech Fest)

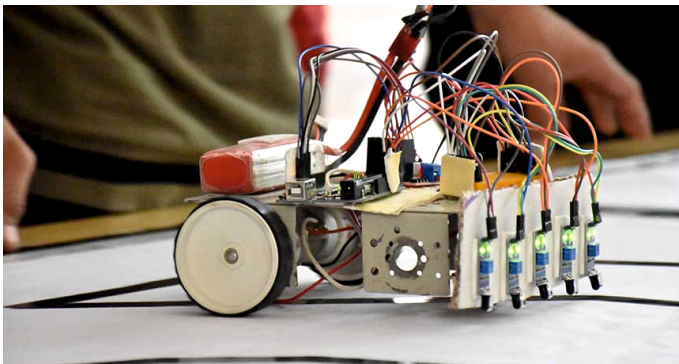
Student Achievements

9. Ms. Yukta Joshi, a student of Semester-IV, M.Sc. Physics, won 1st prize worth Rs. 5000/- in the Poster Fair organised by Kshama Ahmedabad Academy of Sciences(KAAS), Gujarat in April 2022.
10. Mr. Hatim Khokhawala, a student of Semester - IV, M.Sc. Physics, won 3rd prize worth Rs. 2000/- in Poster Fair organised by Kshama Ahmedabad Academy of Sciences(KAAS), Gujarat in April 2022.
11. Mr Manas Joshi, Mr Shubham Mistry, Mr Dhruv Mistry of Mechanical Engineering department had published a paper titled "A miniature model of modified solar cooker for higher efficiency" under the supervision of Dr. A.D.Dhass, in International Journal of Research and Analytical Reviews(IJRAR).
12. The Materials and Metallurgical Engineering Department final year students participated in Industrial Problem Solving in META VISTA 2022 organised by College of Engineering Pune on April 6-7, 2022. Mr. Mahesh Chaudhar and Mr. Prajwal Jadhav team bagged 2nd Prize and Mr. Akshay Kadam and Mr. Yagnesh Mojidra team bagged 3rd Prize.
13. Mr. Apurv Tadhani, Mr Rahul Rajpurohit and Mr. Sanjay Prajapati of Indus Institute of Technology and Engineering participated in IdeaVerse - An Idea Presentation event and won "Jury Choice Award" for an innovative idea entitled Welding/Cutting Semi Automation Setup With Speed Control in Linear Motion, on April 24, 2022.



Student Clubs & Student's Life at Indus

The Student Activity Cell (SAC) is a medium between students and all the cultural, technical and sports activities organized at the university. With thousands of students taking part in cultural activities, SAC has Cultural clubs that focus on activities like Dance, Music, Fashion, Literary works, and Photography to make students passionate, explore and discover more about their favorite hobbies. To stimulate the workings of the mind, SAC has Technical Clubs that deal with the technical aspects of events. Technical clubs have various clubs for students passionate about robotics, automobile, coding, and mechanics of a machine. To enhance and inculcate the sport skills, SAC has Sports Clubs that focus specifically on sports such as Basketball, Cricket, Football, Kabaddi and Handball..



RoboVerse



Collympics



Shamiyana

Sahitya Samvad

Pattern-o-Thon

Style Your Way Out

Reflect Yourself

ACT 'O' Intro

Tap Your Feet

Chitra Lekhan

Blood Donation

Dastaan

Rotaract

Extravaganza

April Cool Challenge

Cadenza

Shatranj

Riff Off

Shamiyana

Devil's Court Room

Collympics

RoboVerse

Robotics Unplugged

Yoga Sadhana

GDSC WOW

Events Organized by Student Activity Cell

Convocations



1st Convocation

Shri. (Dr) A. S. Kiran Kumar
Chairman, ISRO



2nd Convocation

Shri. Pankaj Patel
Chairman & Managing Director, Zydus Group



3rd Convocation

Shri. Aravind Sitaraman
Chairman and CEO
What Is India
Publishers.Pvt.Ltd.

Smt. Anju Sharma (IAS)
Principal Secretary
Education Department
Government of Gujarat

Dr. H Purushotham
CMD
National Research and
Development Corporation, New Delhi



4th Convocation

Shri. Mahendra Patel
Chairman, Mamta Group



5th Convocation

Dr. Chandra Sekhar Verma
Regional Officer,
AICTE, Bhopal

Shri. Bhupendrasinh Chudasama
Hon'ble Minister of Education
Govt. of Gujarat

Smt. Anju Sharma, IAS
Principal Secretary,
Education Dept.,
Govt. of Gujarat



6th Convocation

Shri. Nilesh Desai
Director, SAC-ISRO
16-04-2022

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38. Margi P. Shah, Dhiren R. Patel, Sarang Pande, "Additive manufacturing integrated casting-A

List of Conference Papers

review "1st International Conference on "Additively Manufacturing and Advanced Materials", 4-6 October 2021, Presented, Other Details: Materials Today - Proceedings(Elsevier).

(TAUP 2021), 26 th August – 3 rd September 2022, Presented, Other Details: Journal of Physics: Conference Series.

39. Chandrakant Vishnu Bhatia, Dhiren R Patel, "A Review on Design of Additively Manufactured 3D Printed Tools for Sheet Metal Forming Processes "First International Conference on "Technologies for Smart Green Connected Society" 2021, 29-30 November 2021, Presented Other Details: ECS Transactions(IOP Science).

40. F. Suthar, H.N. Shah, and S.K. Chaudhury, A Review on Application of Nickel Base Hardfacing Alloys in Sodium-Cooled Reactor, AIP Conference Proceedings, 2395, 030005, 2021

41. K. Santhy, D.R. Rajkumar, S. Karthik, "Evaluation of Mechanical and Thermal properties of Banana/ Aramid/E-glass Powder Hybrid Composite Plate", 6-8th Aug, 2021, International Conference on "Recent Advances in Mechanical Infrastructure", organized by IITRAM, Ahmadabad. Springer Conference Proceeding.

42. K. Santhy, D.R. Rajkumar, S. Karthik, " Experimental Vibration Analysis on E-glass/Epoxy and Jute/ Epoxy Composite Plates", 20-21st Aug., 2021, International Conference on "Energy and Materials Technologies", organised by SSN College of Engineering, Chennai.

43. Rucha Dave, Amit Kushwaha, Koushik Saha, Dharmendra Kumar Pandey, Manisha Vitthalpura, Deepak Putrevu, Arundhati Misra, "Sensitivity Analysis of Crop Biophysical Parameters Using Multi-Temporal Dual-Polarization Sentinel -1 C-Band Sar Data", InGARSS 2021, 8 Dec 2021, Presented, Other Details: Agriculture, Hydrology "Cryosphere-4, paper number – 1157.

44. Tanushree Basak, Baradhwaj Coleppa and Kousik Loho, "Revisiting the two singlet dark matter model", 17 th International Conference on Topics in Astroparticle and Underground Physics

Book/ Book Chapter Published

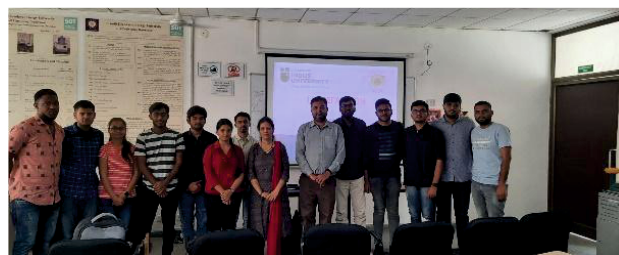
1. Dr. Nimisha Patel, Computer Science Engineering Department has edited a book on "Intelligent Green Communication Networks for the Internet of Things" by CRC Press, Taylor & Francis Group, USA.
2. Dr. Yogesh Kumar, Computer Engineering Department, has published a book entitled "Information Technology" for class 9 (as per CBSE Syllabus code 402) under BPB Publications.
3. Dr. Yogesh Kumar, Computer Engineering Department, has published a book entitled "Information Technology" for class 10 (as per CBSE Syllabus code 402) published under BPB Publications.
4. Prof. Sejal Thakkar, Computer Engineering Department has published a book chapter in the Proceedings of the Second International Conference on Advances in Computer Engineering and Communication Systems "Long-Term Temporal Land Analysis of Agricultural Land and Shifting Cultivation Detection", Springer, Scopus indexed.
5. Dr. Gaurav Kumar Ameta, Computer Engineering Department edited a Book entitled "R programming for Beginners", published on November 20, 2021 by Notion Press Media Pvt. Ltd, Chennai, India.
6. Dr. A Dhass, Mechanical Engineering Department has published a Book entitled "Thermal Performance of Nanofluids in Miniature Heat Sinks with Conduits" in Springer Nature Book Publishing, Journal.
7. Dr. Dhiren Patel, Mechanical Engineering Department delegated as an Associate Editor for the book entitled "A Handbook on Research Methodology for Social Sciences" by Ryan Publishers.
8. Dr. Dhiren Patel, Mechanical Engineering Department delegated as an Editor for the book entitled "Technological Developments in Engineering and Management (TDEM-2022)", by Tech Press, Delhi.
9. Dr. Arnaz Wadia, Indus Institute of Management Studies, has published a book chapter titled "Drivers of Job Satisfaction for Academicians in Ahmedabad during Covid-19" in Social Science Research: Sustainable Practices by Taylor & Francis - Routledge Publication.
10. Ms. Nirali Dave and Dr. Tejal Shah, Indus Institute of Management Studies has published a book chapter titled "The Effect of demographic factors on the overconfidence behavioural bias of the mutual fund investors" in the Social Science Research: Sustainable Practices by Taylor and Francis Routledge Publication.
11. Dr. Rawesh Kumar, Chemistry Department has published a book "Surface Characterization Techniques: From theory to research" by DeGruyter publication.

Session Chair/Reviewer/Resource Person/Awards :

1. Dr. Nimisha Patel, Computer Science Engineering Department acted as a Session Chair in Sixth International Conference on "Information and Communication Technology for Competitive Strategies (ICTCS 2021)" held at Jaipur, Rajasthan, India during 17-18 December, 2021.
2. Dr. Yogesh Kumar, Computer Engineering Department acted as a Session Chair for Online International Conference "Smart Computing Technologies and Business Management Strategies (ICCTBM 2020)" at Chandigarh Group of Colleges, Landran, Mohali on January 22, 2022.
3. Dr. Vrushank Shah, Electronics and Communication Engineering Department was invited as a reviewer for the "International Multidisciplinary Engineering Conference". The conference was held on 3-4 March, 2022.
4. Dr. Vrushank Shah, Electronics and Communication Engineering Department, chaired the Technical Sessions during the "International Conference on Computing Science, Communication and Security (COMS2)", Springer Conference organised by Ganpat University, Kherva, Gujarat on 06-07 February, 2022.
5. Dr. Vrushank Shah, Electronics and Communication Engineering Department was invited as a reviewer for National Level Student Conference on "Advancement in Communication, Electronics, Computer and Automation Technology (ACECAT)-2022" organised by Nirma University, Ahmedabad in Collaboration with Institute of Electronics and Telecommunication Engineering (IETE) and IEEE Gujarat Section.
6. Dr. Dhiren Patel, Mechanical Engineering Department, was invited as a reviewer for the "13th International Conference on Materials Processing and Characterization (ICMPC-2022)" on 22-24 April, 2022, at GRIET, Hyderabad, India.
7. Dr. Vishal Dahiya, Department of Computer Science acted as the reviewer/member of the Technical Program Committee for the conference held during the "4th International Conference on Futuristic Trends in Networks and Computing Technologies (FTNCT-2021)" organised by the Department of Computer Science and Engineering, Institute of Technology, Nirma University, Ahmedabad, Gujarat, India on 10-11 December, 2021.
8. Dr. Ronak Patel, Department of Computer Science, was invited as a reviewer for the "International Multidisciplinary Engineering Conference". The conference was organised by Sankalchand Patel College of Engineering, Visnagar.
9. Asst. Prof. Divyangna Gandhi, Electronics and Communication Engineering Department, secured the second prize in the Design Competition on "Optical Communication " Photonic Design" using Optiwave Photonic Design " Simulation Tools, organised by the IEEE Photonics Students Chapter, Vellore Institute of Technology, Chennai on December 24, 2021.
10. Dr. Dhiren Patel, Mechanical Engineering Department, received the "Best Mentor" award during "IdeaVerse" -Virtual Innovative Idea/Project Symposium Event held on April 24, 2022, organised by Projectcontest.com in association with Annamalai Innovation & Incubation Research Foundation, SKIIE Centre SKUAST-Kashmir, Enthu Technology Solution India Pvt Ltd., Enthu Industries, Ediyilabs Technological Solutions, Skills64.com, Trueline publisher " Dream 360.
11. Dr. Dhiren Patel, Mechanical Engineering Department, received the International Excellence Award-2022 during a two-day multidisciplinary web conference held on 26-27 March, 2022, organised by ICERT in collaboration with the School of Education, Central University, Haryana, India.

Faculty Contribution in Workshop / Conference / Invited Talk

1. Asst. Prof. Tejas Raval, Automobile Engineering Department had delivered a webinar on "From Biogas to Bio-CNG": A Renewable Energy at the Parul University on January 29, 2021.
2. Dr. Suketu Jani, Automobile Engineering Department had delivered an expert talk on various activities under "Society of Automotive Engineering" on 7th September 2021 organized by the Automobile Engineering Department.
3. Asst. Prof. Ketan Lakhtaria, Civil Engineering Department had delivered an expert lecture on "Pile foundation" in a training program of "Highway engineering, Bridge Construction and RE walls" for L&T's front-line supervisors at CSTI, L&T, Ahmedabad on July 24, 2021.
4. Dr. Payal Mehta, Civil Engineering Department had delivered an expert lecture on "Concepts of Earthquake Engineering" for faculties, organized by Gokul Global University on July 15, 2021.
5. Asst. Prof. Ankit Sodha, Civil Engineering Department had delivered an expert lecture on "Recent Research advancement in the field of Structural Engineering " organized by Civil Engineering Department, SNPIT & RC on July 15, 2021.
6. Dr. Samir Patel, Civil Engineering Department had delivered an expert talk on "Design approach to Implement Sustainable Mobility for Indian Urban areas" at one week FDP on "Recent Technology Used in Civil Engineering" for faculties organized by Gokul Global University.
7. Dr. Jishnu R. Gohel, Civil Engineering Department had delivered an expert talk on "Construction Planning and Management" at the one week FDP on "Recent Technology used in Civil Engineering" organized by Gokul Global University on July 16, 2021.
8. Asst. Prof. Anand Patel, Civil Engineering Department had delivered an expert talk on "Two days Workshop on Advances Construction Project Management: Tools & Techniques" organized by Civil Engineering Department, Indus University during 27-28 August, 2021.
9. Asst. Prof. Ketan Lakhtaria, Civil Engineering Department had delivered an expert lecture session on "Water Conservation " under the celebration of "One week for nation" at Indus University, Ahmedabad on August 20, 2021.
10. Dr. Payal Mehta, Civil Engineering Department had delivered an expert lecture on the topic of "Introduction to Structural Engineering " for students on August 27, 2021.
11. Dr. Jishnu R. Gohel, Civil Engineering Department had delivered an expert talk on "Advances and Use of software in Construction Management" in the event of "Two-day Workshop on Advances Construction Project Management: Tools & Techniques" organized by Civil Engineering Department, Indus University during 27-28 August, 2021.
12. Asst. Prof. Ketan Lakhtaria, Civil Engineering Department had delivered six expert lecture sessions on a training program on "Concrete Technology" for L&T's frontline supervisors at CSTI, L&T, Ahmedabad, on 22, 24 & 27 October, 2021.
13. Dr. Payal Mehta, Civil Engineering Department had delivered an expert lecture on the topic of "Evaluation of Liquefaction Potential and Severity Assessment" for students at Civil Engineering Department, School of Technology, Pandit Deendayal Energy University, Gandhinagar on April 27, 2022.
14. Asst. Prof. Harsh Soni, Civil Engineering Department had delivered an expert talk on "Current



Faculty Contribution in Workshop / Conference / Invited Talk

- Practices in the Field of Structural Engineering" at Ganpat University on April 29, 2022.
15. Dr. Yogesh Kumar, Computer Engineering Department had delivered the expert session on the topic "Machine Learning and its perspectives in different research areas" on October 14, 2021 at Chandigarh Group of Colleges, Mohali.
16. Dr. Vrushank Shah, Electronics And Communication Engineering Department had delivered an expert talk at the Institution of Engineers (India) Gujarat State Center in association with Water Management Forum of IEI organizing Technical Talk on "Internet of Things (IoT) for Monitoring Water Quality in Piped Network" on the occasion of Celebration of 62 Foundation Day of Gujarat State Center on September 02, 2021 at Bhaikaka Bhavan, Ahmedabad.
17. Asst. Prof. Shaswat Padalia, Mechanical Engineering Department had delivered an expert talk at Gandhinagar Indian Start up Revolution 2022 on 16 April, 2022.
18. Dr. A Dhass, Mechanical Engineering Department acted as invited speaker in ICME2-2021, Presented a Topic: Building Energy Efficiency, on 18th, Dec, 2021.
19. Dr. Sujoy K. Chaudhury, Materials and Metallurgical Engineering Department delivered an invited talk on "Phase Diagram and Its Types" organized by Metallurgy Engineering Department, Government College of Engineering, Gandhinagar on February 22, 2021.
20. Dr. Sujoy Chaudhury, Materials and Metallurgical Engineering Department had delivered an invited talk on "Effect of Different Process Parameters On The Productivity And Quality Of Pig Iron" organized by Government College of Engineering, Gandhinagar on August 6, 2021.
21. Dr. Sujoy K. Chaudhury, Materials and Metallurgical Engineering Department delivered an invited talk on "Phase Diagram and Its Types" organized by Metallurgy Engineering Department Government College of Engineering, Gandhinagar on February 22, 2021.
22. Dr. K. Santhy, Materials and Metallurgical Engineering Department had delivered an expert talk on "CALPHAD Approach – ICME Tool for Novel Materials" in ATAL online FDP on "Novel Materials and their Applications" organized by Maharaja Ranjit Singh Punjab Technical University, Bathinda, Punjab on July 20, 2021.
23. Dr. Ankur Saxena, Director, Indus Institute of Information & Communication Technology delivered an expert session on "Drafting skills" in patent filing for AICTE & MIC sponsored Impact Lecture Series at GHRIBM, Jalgaon on October 20, 2021.
24. Dr. Ankur Saxena, Indus Institute of Information & Communication Technology delivered an expert session as a keynote speaker on riveting webinar "AI- Past, Present and Future" in collaboration with IEEE signal processing society, SCET Student branch chapter, MCA department, Sarvajanik College of Engineering and Technology on October 08, 2021.
25. Dr. Ankur Saxena, Indus Institute of Information & Communication Technology delivered an expert session in AICTE/Ministry of Education's Innovation Cell sponsored impact lecture series organized by G. H. Raisoni Institute of Business Management, Jalgaon on October 05 and 20, 2021.
26. Dr. Ankur Saxena, Indus Institute of Information & Communication Technology delivered an expert talk (Institute of Computing) on February 26, 2022.
27. Dr. Ashutosh Shukla, IISHLS, was invited as an Industry speaker on June 22, 2022 in the International Conference "Clinical R&T 2022", Vancouver BC, Canada.

Highlights of ICSII SSIP Supported Projects

Establish Avianotic as the premiere drone manufacturer with Make in India as its core value. In the current day and age, India lacks mainstream drone development companies, and most operational UAVs are Chinese built. Avianotic aims to develop, engineer, and manufacture drones that can be accessible and usable by all; shadowing the entire spectrum from beginner to advanced users.

Sr. No.	Name of Team Leader, Members	Field of Innovation	Name of Startups/PoC/IPR	Startup/Poc/IPR
1	Samarth Sisodiya	Agriculture	Avianotic Drones	StartUp



Mr. Sumit Vachhani, Mr. Darshan Raval, Mr. Amit Ranpariya, and Mr. Himanshu Panchal designed a powertrons e-bike solution with an incredibly small design, detachable battery, a motor giving 250W and 37 Nm torque, and fast charging with the goal of producing pollution-free electric motorcycles. The powertrons e-bike solution can be used for daily mobility as well as a variety of sports and leisure activities.

Sr. No.	Name of Team Leader, Members	Field of Innovation	Name of Startups/PoC/IPR	Startup/Poc/IPR
2	Sumit Vachani	Automobile	Electric Paddle Mover	StartUp



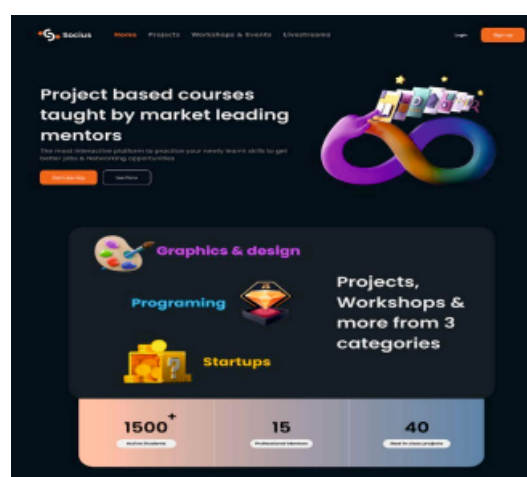
Highlights of ICSII SSIP Supported Projects

Shubharambh Online is the most trusted platform for availing Vedic and Hindu Puja services like performing Vedic Rituals, Religious Ceremonies, Vastu Yagya and many more. (<https://www.shubharambhonline.com>). Shubharambh Online serves specific and customized religious needs with experienced panditji and samagri at reasonable prices and high quality service. It's the easiest way to find and book a pandit online. Shubharambh offers the most popular poojan services and pandits across India.

Sr. No.	Name of Team Leader, Members	Field of Innovation	Name of Startups/PoC/IPR	Startup/Poc/IPR
3	Kalpajyoti Konwar	e-service	Shubharambh	StartUp

Socius is a startup built on an LMS that helps colleges to organize academic activity online. Socius is equipped with a variety of capabilities that allow educational institutions to provide students with remote access at any time, from any location, in the best way possible. It has many features, including class building, note sharing, video/lecture sharing, assignment uploading and checking, automated class assignment, access to notes and all other academic content, calendar access, assignment submission, academic progress graph, assigning teachers to prebuilt classes, and custom notifications.

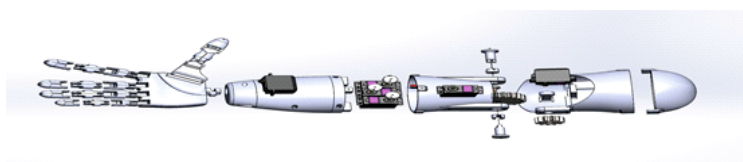
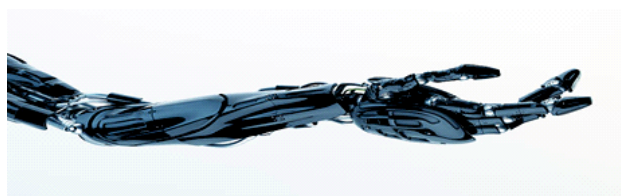
Sr. No.	Name of Team Leader, Members	Field of Innovation	Name of Startups/PoC/IPR	Startup/Poc/IPR
4	Aayush Doshi	EduTech.	Socius	StartUp



Highlights of ICSII SSIP Supported Projects

Despite the ease with which prosthetic limbs are now available, these devices lack the ability to feel, touch, and do little tasks like picking up extremely small objects. Although brain surgery may restore the ability to feel touch, it is both expensive and hazardous. The startup initiatives Het Pancholi and team built bionic hands with touch-sensing capabilities. In addition to using touch displays, it can be used to pick up tiny metallic objects.

Sr. No.	Name of Team Leader, Members	Field of Innovation	Name of Startups/PoC/IPR	Startup/Poc/IPR
5	Hit Pancholi	Prosthetics	Bionic Hand	StartUp



ACHEIVEMENTS



Indus Center for Startups, Innovation and Incubation
"Protect your IP now or regret later!"

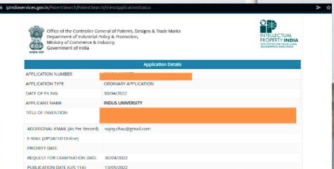



A Process Patent Supported by ICSII SSIP gets Published

A process patent for an invention concerning preparation of high purity tungsten oxide nanocrystalline powder (*title undisclosed till FER) by **Mr. Monil Salot**, Department of Metallurgy has been published. This application bears **Dr. Kathirvel Santhy**, **Mr. Gaurav Awasthi** & **Dr. Sujoy Chaudhary** as co-inventors. The published application was filed through ICSII with SSIP support.

ICSII, Indus University wishes the inventors all the success!

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#InnovationatIndusUniversity
#Research&Development
#DepartmentOfMetallurgy
#IPRatIITE



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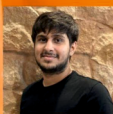
A classic example of of handholding Alumnus who made lightening impact with a radical interdisciplinary venture at Indus University- This is the success story of **Mr. Anushil Sutaria's** (Alumni, Mechanical Engineering Department, IITE) Startup named **"Dzor"** who has generated **₹5,00,000+** revenue after being incubated at ICSII (Indus Center for StartUps, Incubation & Innovation) with the sizeable support of SSIP. Anushil's journey began with ICSII in **January 2022** and in barely 5 months he has proportioned this substantial revenue generation with employment. The StartUp prognosticates a very bright journey ahead - recons the Team Dzor mentor & SSIP Coordinator, Indus University. Dzor credits **SSIP, Indus University, ICSII** for his success.

ICSII, Indus University wishes team Dzor all the success!

Be a part of Dzor community by downloading the app on Apple App Store & Google Play Stores now!

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Anushil Sutaria,
Founder, Dzor Infotech, Pvt. Ltd.
Alumni, Indus university

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Memorandum of Understanding (MOU)

The MOU aims to provide the fundamental framework for a collaborative and cooperative working relationship between the two associations. This Memorandum of Understanding aims to have mutual intentions to work together on projects needed for industries and research needs, with knowledgeable faculty who have good industrial experience and promising students, jointly agree to exchange their expertise for mutual benefit and growth, on the specified areas like Industrial Visits, In-plant Training & special Technical Training to make the students industry-ready, Guest Lectures, Mini Projects and Main Project Work, Research & Development, Placements, Internships, Establishing Advanced Labs. The MOUs, Indus University has signed are :

KNUST University, Ghana.

Multimedia University, Malaysia.

Crown University, USA.

Peel College, Ontario.

Research for Resurgence Foundation

Indian Space Research Organization

The following list includes all MOUs signed by the Institutes of Indus University:

Department of Automobile Engineering	Department of Automobile Engineering	Department of Automobile Engineering	Department of Automobile Engineering
			
Tata Power Ltd.	Symmetric Solutions	International Automobile Centre of Excellence (iACE).	DIYguru Education & Research Pvt. Ltd.
Ahmedabad	Gandhinagar	Gandhinagar	New Delhi
Department of Automobile Engineering	Department of Civil Engineering	Department of Civil Engineering	Department of Civil Engineering
			
Chandresh Engineers	Sangath Infrastructure Pvt. Ltd. Gift City	Lgeom Pvt. Ltd. LGEOM)	Manidhar Developers
Vadodara	Gandhinagar	Gandhinagar	Ahmedabad
Department of Civil Engineering	Department of Civil Engineering	Department of CE/CE/IT Engineering	Department of CE/CE/IT Engineering
			
Creative Wizards E-Learning & Design Solutions	Cadd Centre Training Services Pvt. Ltd.	Akash Technolabs	ByteParity technologies
Ahmedabad	Ahmedabad	Ahmedabad	Ahmedabad

Department of
CE/CE/IT



Divine Infosys
Ahmedabad

Department of
CE/CE/IT



Geeky BEE AI PVT LTD
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Department of
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Empowered
Charlotte

Department of
CE/CE/IT



Fusion Informatics
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Department of
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Genuine Xray and Radiological
Equipments Pvt Ltd
Ahmedabad

Department of
CE/CE/IT



Supraja Technolog
Ahmedabad

Department of
CE/CE/IT



Teksun Lab Pvt Ltd
Ahmedabad

Department of
CE/CE/IT



Nividita Consultancy
Ahmedabad

Department of
CE/CE/IT



Sunflower Biztech pvt ltd
Ahmedabad

Department of
CE/CE/IT



Tops Technologies Pvt Ltd
Ahmedabad

Department of
CE/CE/IT



Solitaire Infosys Pvt Ltd
Mohali

Department of
Electronics & Communication



ISRO
Ahmedabad

Department of
Electronics &
Communication



Green Field Control Systems.
Gandhinagar

Department of
Electronics &
Communication



ele-mech Engineering
Ahmedabad

Department of
Electronics &
Communication



RCAD Solutions
Ahmedabad

Department of
Electrical
Engineering



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Changodar

Department of
Electrical Engineering



Universal Technomation
Ahmedabad

Department of
Electrical Engineering



Transtorq Drive Pvt. Ltd.
Rajkot

Department of
Electrical Engineering



Prima Automation
Gandhinagar

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Electrical Engineering



Citizen Solar (P) Ltd
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Department of
Electrical Engineering



Shivam Photovoltaics (P) Ltd
Ahmedabad

Department of
Mechanical Engineering



RBD Engineers Pvt. Ltd.
Ahmedabad

Department of
Mechanical Engineering



Lyka Laser Tech
Gandhinagar

Department of
Mechanical Engineering



Electrotherm India LTD.
Ahmedabad

Department of
Mechanical Engineering



Prem Industries
Mumbai

Department of
Mechanical Engineering



M.G. Engineers
Ahmedabad

Department of Material
& Metallurgical
Engineering



Imperiall Technoforge Pvt. Ltd.
Rajkot

Department of Material
& Metallurgical
Engineering



All cast Engineering
Ahmedabad

Department of Material
& Metallurgical
Engineering



Balaji Foundry
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Department of Material
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Shellmech Precision
Cast Pvt. Ltd
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Kishan Auto
Parts Pvt. Ltd
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Rasang Foundry
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Department of Material
& Metallurgical
Engineering



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Department of
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Department of
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Amani Corporate
Solutions Pvt. Ltd
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Department of Material
& Metallurgical
Engineering



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