



INDIAN INSTITUTE OF TECHNOLOGY JODHPUR

At A Glance 2024





॥ त्वं ज्ञानमयो विद्वानमयोऽसि ॥

Greetings from

INDIAN INSTITUTE OF

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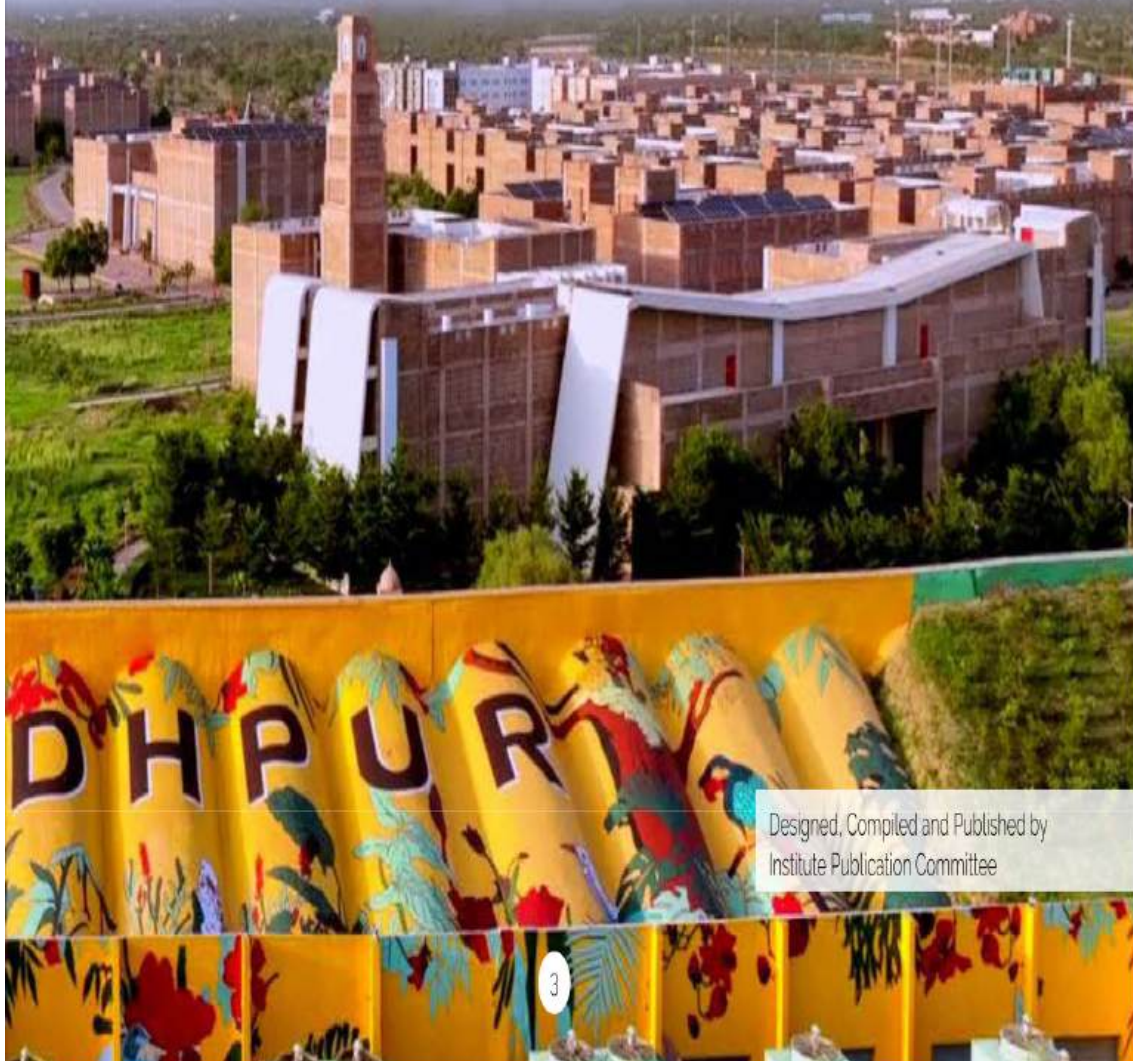
Institute Publication Committee

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June 2024



TECHNOLOGY JODHPUR

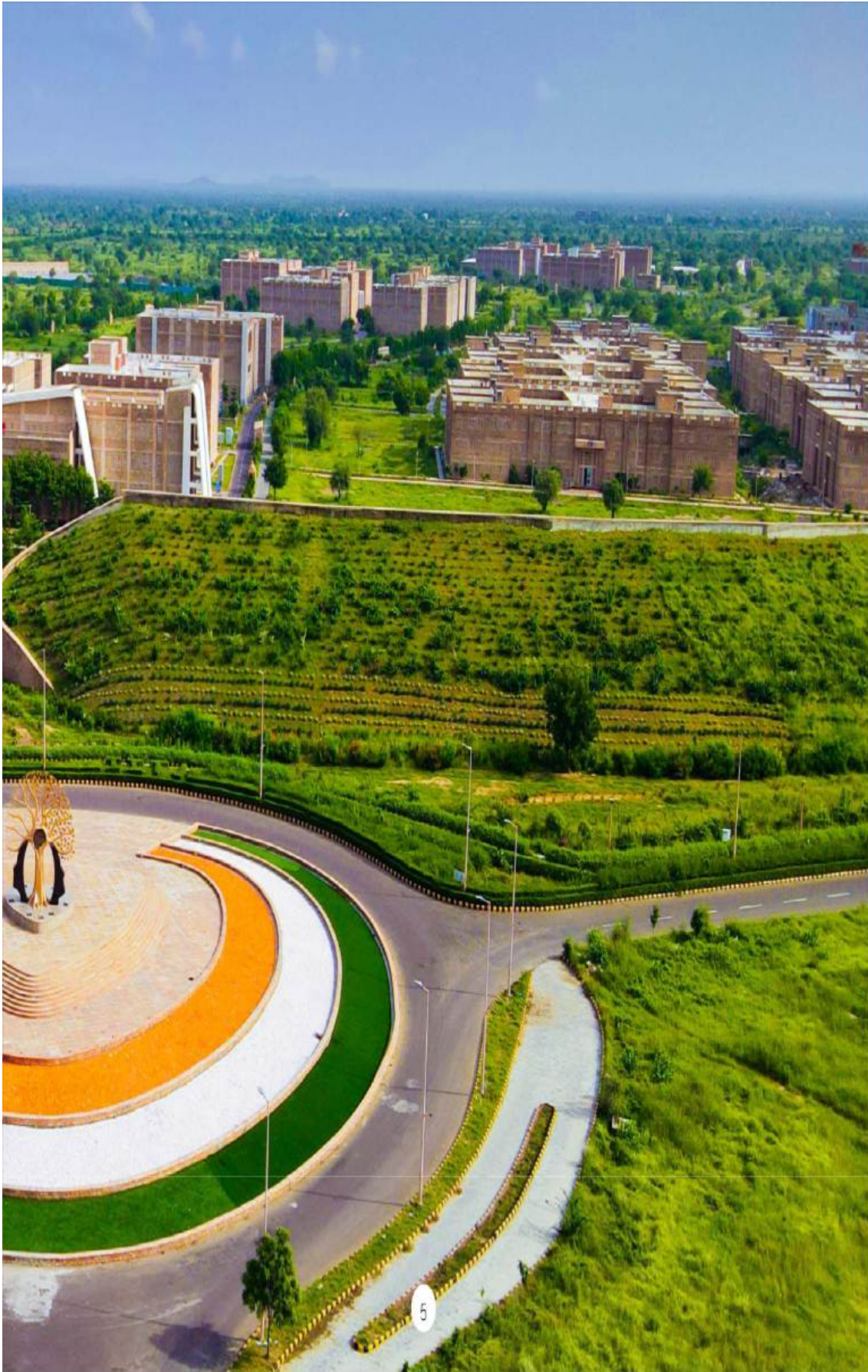


Designed, Compiled and Published by
Institute Publication Committee

An aerial photograph of the IIT Jodhpur campus. The image shows a large, curved, green hillside in the foreground with a yellow banner draped across it that reads 'IIT JODHPUR'. To the right, there are several large, modern, multi-story buildings with a reddish-brown facade. In the background, there are rolling green hills under a clear blue sky. In the foreground, there is a large, curved, multi-colored (green, orange, and white) landscaped area next to a road.

IIT Jodhpur: A Destination of Your Choice

Located in India's one of the most vibrant states – Rajasthan, Indian Institute of Technology Jodhpur's permanent campus is located ~25 km from the centre of the city on National Highway 62 towards city of Nagaur. Sprawling over an area of about 852 acres, the institute comprises of an award winning state-of-the-art residential campus. The campus has been planned meticulously and envisioned to stand as an icon for world class academics – simple, but deep... The campus offers clean air, open spaces, walkways for pedestrians and cycling, huge sports complex with both outdoor and indoor sports rendering unique experience to all the campus residents including students, faculty, staff and their families. IIT Jodhpur campus has the distinction of being one of the best planned technical institute campus in India being an international exemplar of sustainability with Net Zero strategies for Energy, Water and Waste.



Research Programs

Ph.D.

Departments



IDRPs



Schools



Centres



M.S. by Research program



Centre for Sustainable Drinking Water Sources



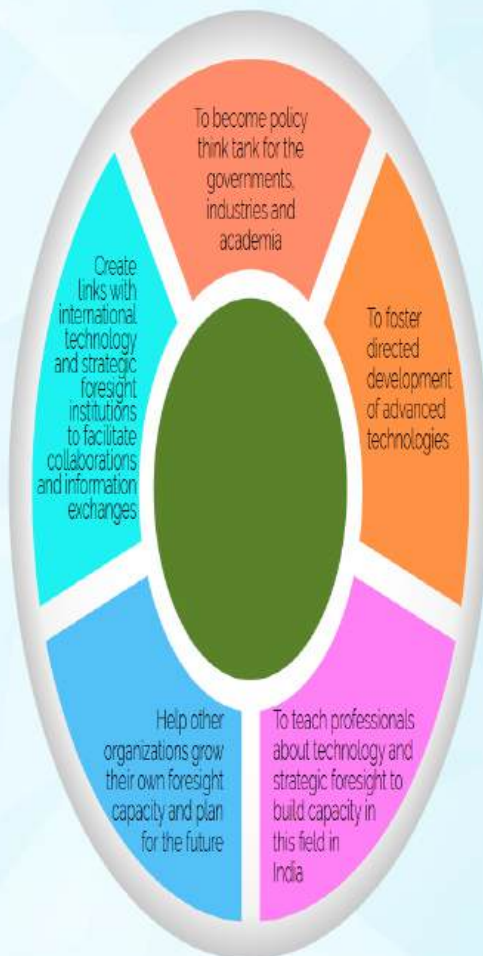
The IITJ-JJM Centre for Sustainable Drinking Water was established through a collaborative effort between the Indian Institute of Technology Jodhpur and the Government of India Ministry of Jal Shakti Jal Jeevan Mission. The IITJ-JJM continues to work diligently alongside the Jal Shakti Ministry and other stakeholders to tackle the pressing water issues facing our nation. These collective efforts are driven by a shared vision: to ensure every citizen has access to clean, safe, and reliable drinking water. IITJ-JJM is committed to ensuring the sustainability of this precious resource.

IITJ-JJM is engaged in the following activities:

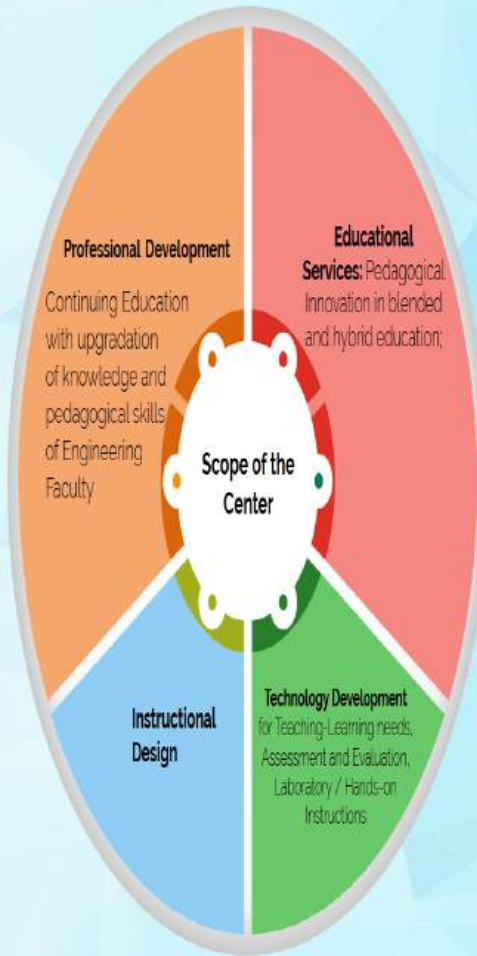
- Establish national guidelines on water source sustainability.
- Training & Capacity Building program on the sustainability of drinking water sources.
- Greywater Management for Source Sustainability.
- Design and Development of Advanced Desalination Methodology for Source Sustainability in Arid Regions.
- Technical Support to States to address water supply issues.
- Association with various national and international agencies in education, research, industries, etc.



Centre for Technology Foresight and Policy



Centre for Education & Technology for Education



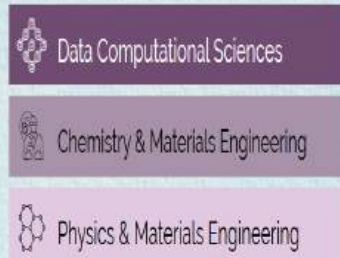
Post Graduate Programs

Preparing for Invention & Innovation

M.Sc. Programs



M.Sc. - M.Tech. Dual Degree Programs



Master in Law and Technology



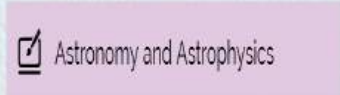
Build a strong foundation of knowledge, pursue excellence in academics and enhance creativity in an intellectually stimulating environment

Master of Design (MDes)



Provide academic rigor and innovation, not extreme specialization, rather flexibility and comprehensive knowledge with microspecializations

M.S. (R.)-Ph.D.



For More Information Scan Me



Schools



Inter-Disciplinary Research Platform (IDRPs)



Centres



Centre of Excellence on Art and Digital Immersion (ADI)

The Centre of Excellence on Art and Digital Immersion (CoE on ADI), the School of Liberal Arts (SoLA) is the first Center of SoLA. It is envisioned as a futuristic research hub exploring the intersections between Arts and emerging Digital Technologies while enhancing their immersive experiences.

On 19 September 2022, the centre of excellence was inaugurated by the Director, IIT Jodhpur, Prof. Santanu Chaudhury; the legendary Hindustani classical singer Padmabhushan Pandit Ajoy Chakrabarty; and the eminent scientist and Bhatnagar awardee Professor Ashutosh Sharma (C.V. Sheshadri Chair Professor, IIT Kanpur; President, INSA; and former Secretary, DST). The School of Liberal Arts has entrusted Prof. Chhanda Chakraborti with the Co-ordinatorship of the CoE on ADI.

The centre has recently launched its flagship programme M.S. (By Research) with two specializations, namely AI and Creative Arts and Mixed-Media Arts. The flexible, interdisciplinary, futuristic, and collaborative programme is the first of its kind in India.



Inauguration of ADI by Director, IIT Jodhpur, Professor Santanu Chaudhury, Legendary Hindustani classical singer Padmabhushan Pandit Ajoy Chakrabarty, and Eminent scientist and Bhatnagar awardee Professor Ashutosh Sharma (C. V. Sheshadri Chair Professor, IIT Kanpur; President, INSA; and former Secretary, DST)

Centre of Excellence in AI and Data Science

IIT Jodhpur and University of Buffalo, has signed an MoU on 19th March 2023, for establishing a "Centre of Excellence in AI and Data Science".

The collaboration advanced by launching of the Joint Centre will be implemented by:

- Exchange of students and researchers
- Coordination of collaborative education, research and training programs
- Mechanism of internal support for such exchange and coordination
- Exchange of scholarly and pedagogical materials
- Collaboration in applying for research funds from both national and international sources
- Co-organization of International conference and thematic workshops
- Collaboration in seeking support from industry, Private foundation and alumni to ensure sustainable joint centre

S. R. Ranganathan Learning Hub

The Library supports the teaching and research activities of the Institute by facilitating acquisition, organization and dissemination of knowledge resources, and also providing library & information services to IIT Jodhpur community.

It houses a rich and growing collection of books, journal resources and databases catering to various information requirements of the users and provides seamless access to information both on-campus and off-campus. Most of the information being the digital form it can be accessed by the faculty and staff remotely from any location having internet facilities.





Joint Programs on Medical Technologies

Programs: Masters, Masters-Ph.D. and Ph.D.

Honourable Prime Minister Shri Narendra Modi mentioned Medical Technologies in his dedication to the nation of IIT Jodhpur

Initiation of The Joint Centre for MedTech between IITJ and AIIMSJ. This centre will be a hub for Deep-Tech innovation in medical technologies that impact global and local health and socio-economic development.

Outcomes of the Medical Technologies Joint Programs:

- 8 Student-Faculty led startups
- 3 Startups have raised ≥ 50 lacs- 1 Cr from grants & investors
- 4 BIRAC-BIG grants
- 7 MSME grants. Approximately 15 lacs each/ year duration
- 8 DBT Biodesign fellows. 60,000 pm/ year to grow deep tech startup idea
- 7 Won MedTech hackathons with significant cash prizes
- 5 Research publications, 8 Patents filed/ granted
- 2 Prime Ministers Research Fellows for PhD

AIIMS Jodhpur and IIT Jodhpur are not just institutions for Rajasthan but are becoming premier institutes for the entire nation. Together, they are exploring new possibilities in medical technologies, such as robotic surgery, and enhancing medical tourism

Some of the major startups



Sarbit Innovations Pvt. Ltd

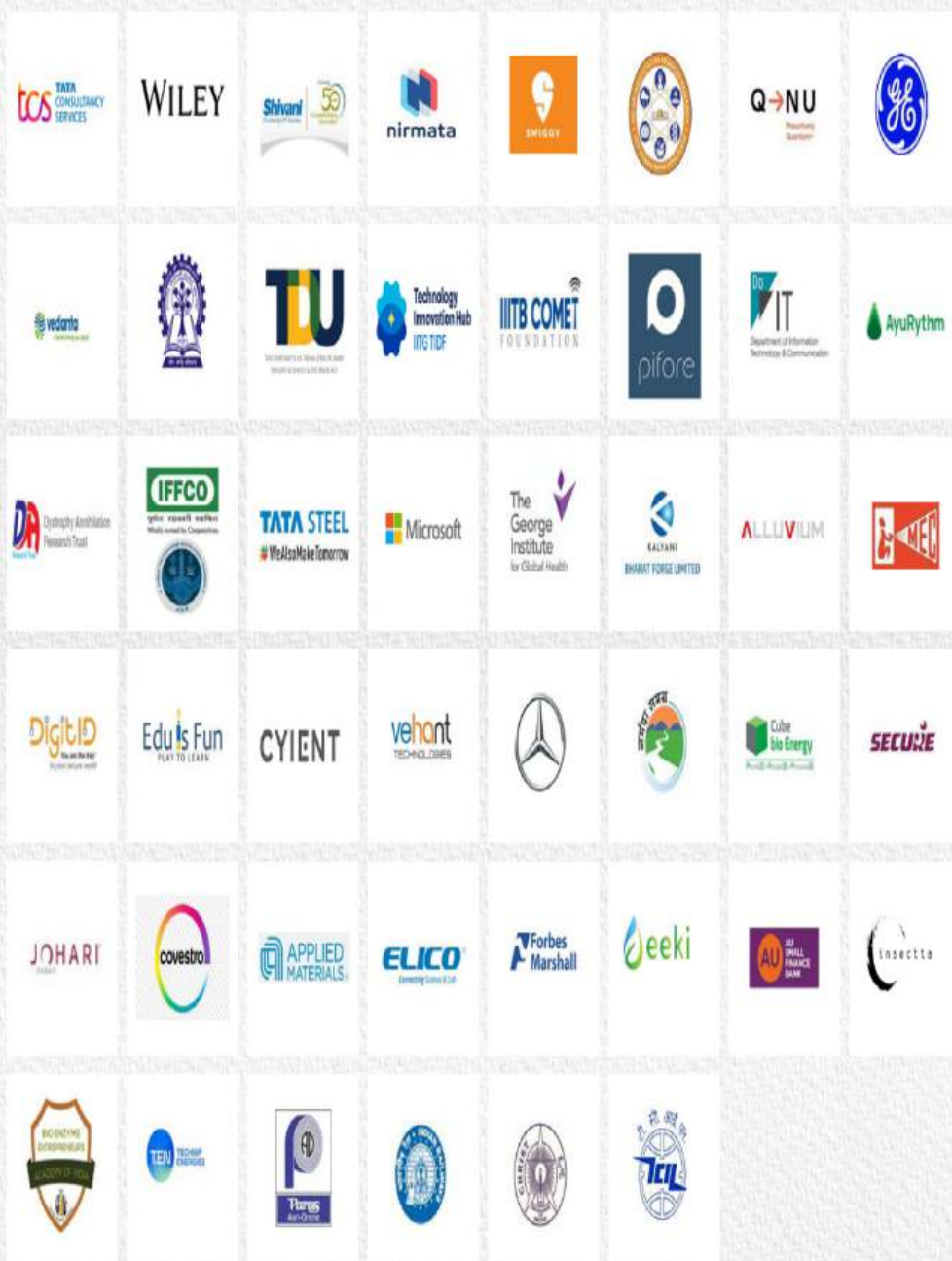


Healyantra Medical Technologies Pvt. Ltd.



Cellverse Pvt. Ltd.

Collaborations (Government bodies and Industries)







Jodhpur City Knowledge and Innovation Foundation

Introduction

Jodhpur City Knowledge and Innovation Foundation (JCKIF), is an IIT Jodhpur promoted Section-8 non-profit company established on 31st March, 2021 to carry out and sustain the activities of Jodhpur City Knowledge and Innovation Cluster (JCKIC). The cluster is an initiative of the Office of the Principal Scientific Adviser to the Government of India on the recommendation of Prime Minister's Science, Technology & Innovation Advisory Council.

The primary objective of JCKIF is to create strong linkages among Academic Institutions, R&D Institutes, National & State Research Laboratories, Government Agencies and Industries of the city of

Jodhpur and its surroundings. JCKIF has been working on the following six verticals:

JCKIF Verticals

- Medical Technologies (MedTech)
- Water and Environment
- Handicrafts and Handlooms
- I-Governance
- Thar Designs
- AIoT Innovation Hub





Prof. Samir K. Brahmachari

- » Academy Professor, AcSIR
- » J.C Bose National Fellow
- » Chief Mentor - Open Source Drug Discovery
- » Academy Professor Academy of Scientific & Innovative Research
- » Scientist and Founder Director CSIR- Institute of Genomics & Integrative Biology
- » Former Director General Council of Scientific and Industrial Research



**Pandit Ajoy Chakrabarty,
Padma Bhushan Awardee**

- » Senior Guru and Expert Committee Member
- » ITC Sangeet Research Academy



Professor Ashutosh Sharma

- » Institute Chair Professor
- » INAE Visvesvaraya Chair Professor
- » Coordinator, DST Unit on Nanoscience
- » Centre for Environmental Science and Engineering
- » Indian Institute of Technology Kanpur
- » National Academies for Science/Engineering in India

Technology Innovation and Start-up Center

IIT Jodhpur Technology Incubation and Startup Center is a Section 8 Not for Profit Company which is set up by the Indian Institute of Technology, Jodhpur. The aim of this establishment is to promote Innovative Ideas / Research into Startups and nurture the Startups to scale and succeed through continuous mentorship, capacity building, fundraising support and laboratory access. TISC has more than 10,000+ sq. ft. of dedicated Co-working space, Biotech labs and other common facilities.



Goals:

- » To inculcate Sustainable Startup culture with aim towards a healthy lifestyle.
- » Encouragement towards Innovation and nurture the Innovative Ideas.
- » To encourage youth to become Job Givers instead of Job Seekers.
- » To promote knowledge driven and technology based ventures among the IIT Jodhpur Students, faculties and Alumni.
- » To encourage the youth to participate in various Hackathons, Challenges, Competitions, etc organized all over the globe.



Vision:

Create an environment in which knowledge and innovation can be translated into the creation of successful ventures.



Mission:

To provide an environment to nurture and support innovation and knowledge-based entrepreneurship resulting in the generation of wealth and social value through successful companies.

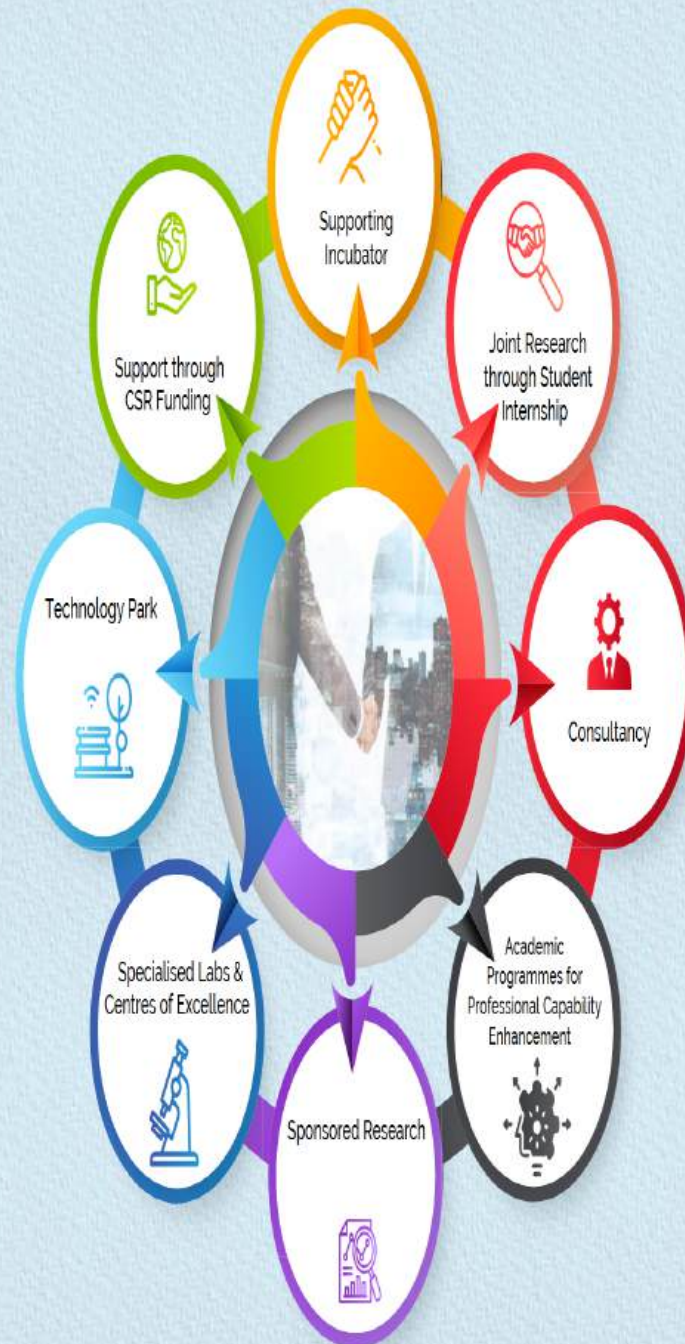


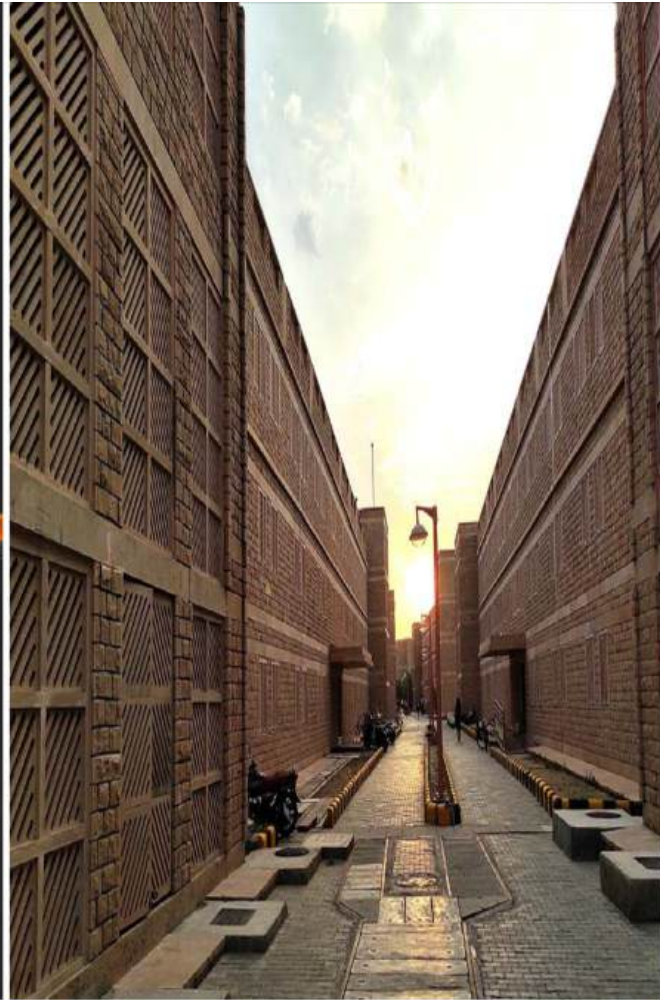
Achievements:

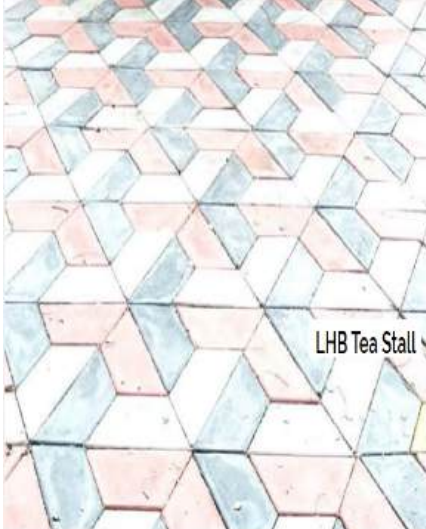
- » Currently, we have 18 incubatees and they have collectively raised investments of Rs 2.75 crore.
- » The BIRAC's Bionest Scheme was sanctioned Rs. 445 Cr.
- » TISC is the only Bionest incubator catering to Rajasthan.



Engagement with Industry

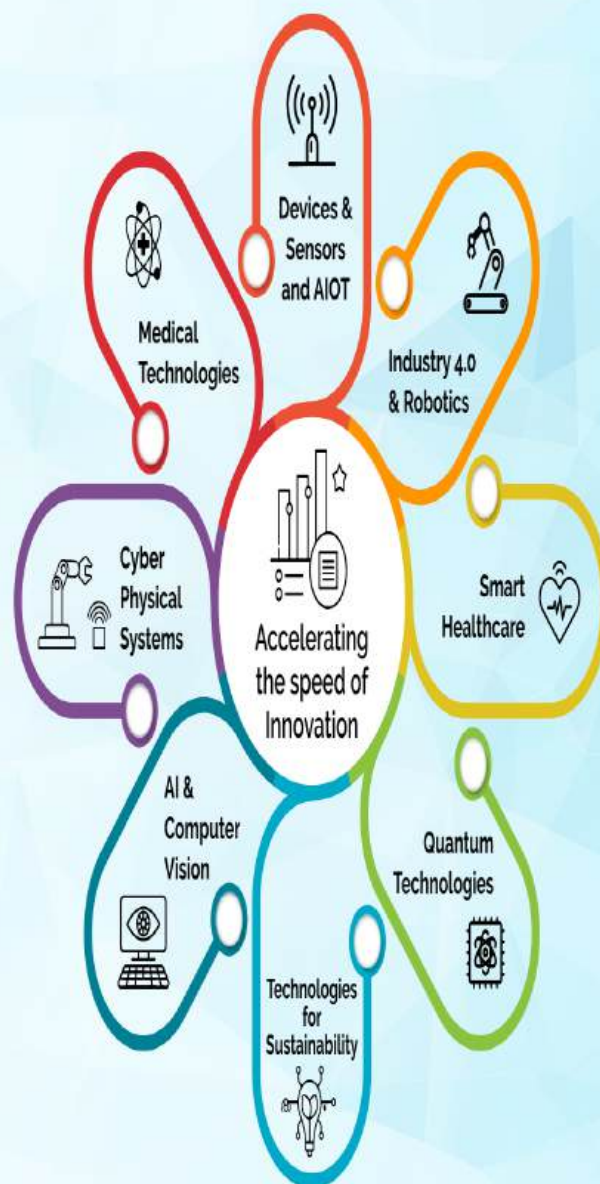


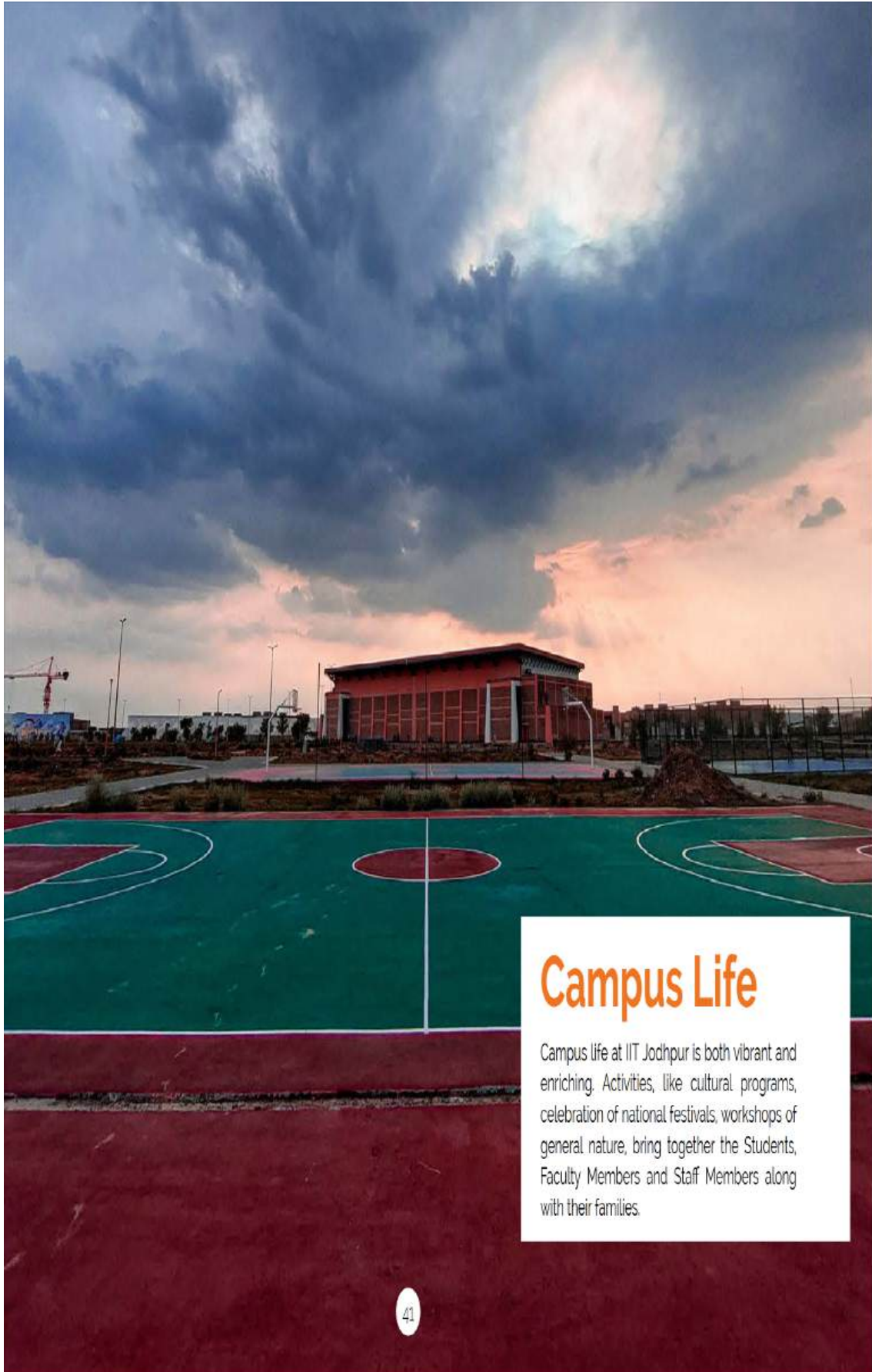






Current Thrust Areas of Research





Campus Life

Campus life at IIT Jodhpur is both vibrant and enriching. Activities, like cultural programs, celebration of national festivals, workshops of general nature, bring together the Students, Faculty Members and Staff Members along with their families.



Brain Tree

Standing tall as you take in the massive scale of IIT Jodhpur is the rightfully coined Brain Tree. Depicting two halves of nature and technology, man and woman it truly shows the spirit of IITJ combining the best of both worlds and working together in symphony. The Brain Tree, a symbolic amalgamation of natural sciences and technology, embraces all who walk through the gates of IIT Jodhpur. With growing branches of leaves symbolizing life and development on one side and neurons and electronics representing the advancement of technology on the other, the tree is a constant source of motivation for the students, faculty and staff to expand their knowledge. The tree also supports collaborative authoring and social annotation, and it cautions that some wisdom lies beyond human prerogative. Just like a tree, students here symbolize growth of the technological mind while also being rooted in values and aiming for the skies.



DRDO-Industry-Academia Center of Excellence (DIA CoE)

IIT Jodhpur has signed an MoU with DRDO to establish a DIA-CoE for research in defence related technologies in the following three identified vehicles:



Desert Warfare Technologies



AI for Information and Wargaming



Futuristic Omni Mobility Systems

The Defense Research and Development Organization (DRDO) has approved seven projects in collaboration with IITJ faculties.

- Development of Multi-agent Amphibious quadcopter system
- Development and testing of a bioinspired flapping wing model with morphing capability for aerial and aquatic locomotion.
- AIOT based Water Monitoring Technologies
- Smart Apparel for desert War Fare: integration of active and passive cooling through hybrid thermal management
- Seamless Man-Machine Interface for next-generation wargaming.
- Misinformation Pathways: Understanding, Detection and Generation.
- Developing multi-agent system-based AI Strategist for wargames.

Undergraduate Programs

New curriculum: Design your own program

B.Tech. Programs



- » New Broad-based Curriculum
- » Flexible programme with right balance of knowledge and Hands-on Experience
- » Provides opportunities for experiential learning
- » Meet emerging demands of industry
- » Focus on Developing technical capability in interdisciplinary areas
- » Emphasize on Design thinking and Creativity from 1st year
- » Option to pursue Entrepreneurship and Engineering Innovation in 8th semester
- » Offers Minor, Interdisciplinary and Department Area Specialization as part of 4 year programme
- » Student can opt Double B.Tech. within 4 year of programs through extra credits
- » Option to convert B.Tech. into 5-year B.Tech. + M.Tech. Dual Degree in 7th semester
- » Newly introduced technology - oriented B.S. programs with specializations in emerging technology domains
- » BS program also provides an opportunity for a dual degree

Option to pursue Minor / Interdisciplinary Specializations

1. Artificial Intelligence (AI)
2. Cyber Physical Systems (CPS)
3. Internet of Things (IoT)
4. Smart Healthcare
5. Management
6. Entrepreneurship
7. Engineering Innovation

Bachelor of Science Programs



B.Sc.-B.Ed.



B.Sc./ B.S.



For More Information
Scan Me



Centre for Emerging Technologies for Sustainable Development

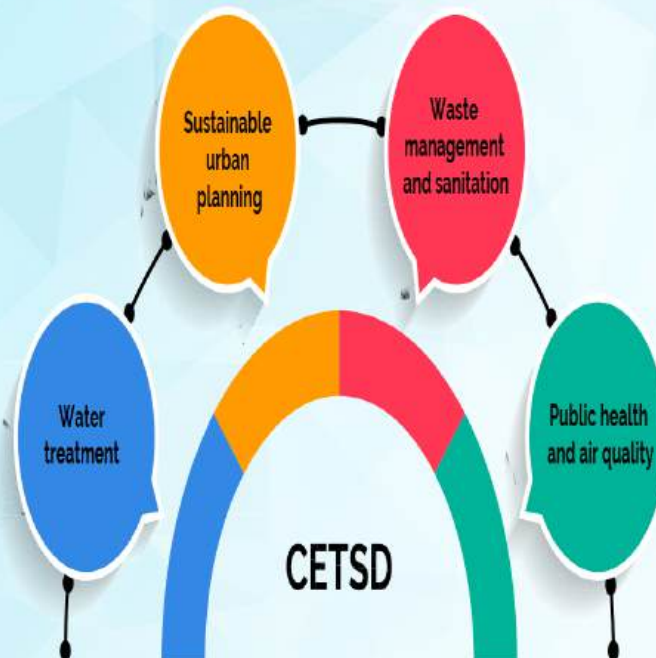
The vision of CETSD is 'To be a partner in tapping the potential of emerging technologies for creating a sustainable and prosperous future India'.

The mission of CETSD is

- To help develop scientific temper societies to understand technologies that are sustainable or technologies that are using sustainability aspects.
- To provide a platform for NGOs and government agencies to collaborate to apply emerging technologies and solutions towards achieving SDG targets.
- Trimester-based Executive Certificate Programs on Climate Change and Sustainability starting from 2024-25 for industry professionals



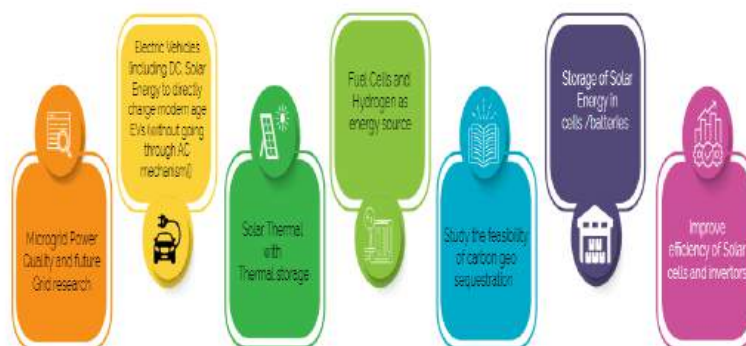
Thematic areas of CETSD



Rishabh Centre for Research and Innovation in Clean Energy

Rishabh Centre for Research and Innovation in Clean Energy at Indian Institute of Technology Jodhpur is being set up philanthropic donations by M/s Rishabh Instruments Ltd. and M/s Ivaan Foundation. The Centre will facilitate focused basic and applied research by utilizing the knowledge base of faculty and researchers at IIT Jodhpur and also engage with other academic institutions and technology centers, startups and industries. The Centre will enable collaborative research through different academic programs and using other avenues to develop new technologies as per the research & technology roadmap of the Centre. The Centre will have close linkages with respective industries and leverage the robust innovation ecosystem of IIT Jodhpur for technology translation and product development. The center's focus will be to conduct and promote basic and/or applied research and innovation, nurture entrepreneurship, support startups and MSME in identified areas of Clean /Green Energy Technologies.

The center has plan to admit M.S. (by Research) students in AY 2023-24. The main research verticals of the center are: Microgrid, Power Quality and future Grid research Electric Vehicles [including DC Solar Energy to directly Charge modern age EVs (without going through AC mechanism)] Solar Thermal with Thermal storage Fuel Cells and Hydrogen as energy source Study the feasibility of carbon geo sequestration Storage of Solar Energy in cells / batteries Improve efficiency of Solar cells and inverters.



“

The Vision of the Centre is to become a global destination for research and product / process development in the different areas of Green and Clean Energy in close collaborations with industries, start-ups and other stakeholders.

”



IITJ-ARIES Joint Centre of Astronomy and Astrophysics

IIT Jodhpur, in collaboration with Aryabhata Research Institute of Observational Sciences (ARIES) in Nainital, offers MS(R) and MS(R)-Ph.D. programs in Astronomy and Astrophysics. The programs aim to enhance research and development in Astronomy, Astrophysics, and Atmospheric Sciences under the following themes:

- Astronomy and Astrophysics
- Data Analytics and AI in Astronomy and Astrophysics
- Theoretical and Numerical Modeling
- Atmospheric Science
- Geo-spatial Science & Technology



ITEP Integrated Teacher Education Program (ITEP): BSc.BEd.

CETE, IIT Jodhpur is coordinating the development and delivery of the Integrated Teacher Education Program (ITEP) leading to BSc.BEd. The program aims to prepare teachers for the four stages as per the new school structure as envisaged in NEP2020 - Foundational, Preparatory, Middle and Secondary.

Key Highlights:

- This program will draw from the latest advances in science, technology, education, and pedagogy, while also providing contextual education grounded in Indian values.
- From the Academic Year 2024-25, IIT Jodhpur is offering admission to ITEP, leading to BSc.BEd. degree with specializations in Mathematics, Physics, and Chemistry, with a focus on the Secondary stage.
- Admission into the ITEP program is based upon National Common Entrance Test (NCET).

Collaborations (Academic Institutions)

The Institute collaborates with several institutes and organizations of national and international repute for furthering its academic and research activities, which include joint academic and research activities including conduct of academic courses, projects, publications, technology development.





iHub Drishti, IIT Jodhpur is a Technology Innovation Hub focused around "Computer Vision, Augmented Reality and Virtual Reality". iHub Drishti Foundation has been at the forefront of fostering growth, innovation, and collaboration in Cyber-Physical Systems (CPS) technologies. With its cutting-edge research initiatives and state-of-the-art lab infrastructure, iHub Drishti has emerged as a beacon of technological advancements and interdisciplinary collaboration.

Lab Infrastructure

iHub Drishti supports its research with cutting-edge lab facilities. Office and laboratory are as with state-of-the-art infrastructure serves the participating institutions. The hub deployed and commissioned NVIDIA Omniverse, a real-time collaboration platform for 3D applications and assets. The NVIDIA DGXA100, the first AI system based on NVIDIA A100, is also at iHub Drishti. This ground breaking AI infrastructure integrates training, inference, and analytics with unparalleled computational density, performance, and flexibility.

Images

AR-VR APPLICATIONS	COMPUTER VISION-BASED SOLUTIONS FOR INDUSTRY 4.0	COMPUTER VISION-BASED SOLUTIONS FOR BIOSPHERE
SKILL DEVELOPMENT	COMPUTER VISION-BASED SOLUTIONS FOR AUTONOMOUS SYSTEMS	COMPUTER VISION-BASED SOLUTIONS FOR HEALTHCARE

Vision and Mission



“A future-driven institute for nurturing excellence of thought; creating, preserving, and imparting knowledge; and using transformational technologies/ interventions with a multidisciplinary approach for responding to societal challenges and aspirations.”

On completion of about a decade of its existence, IIT Jodhpur began to re-imagine and revamp its academic curriculum through a series of workshops amongst faculty members, seeking inputs from relevant experts from industry and academia. Further, through a process of brainstorming the institute has prepared its new Strategy and Vision document to define its trajectory and targets for the five years (2021-2025). The Vision and Strategy for the 5 years 2021-2025 has been crafted using the principles - namely 'Re-imagine, Redefine, Disrupt, Innovate'.

The document charts a path to broaden the existing vision and mission of IIT, Jodhpur, is being implemented through strategies rooted in the world/ needs of tomorrow. The Vision document also entails transformation of IIT Jodhpur into a holistic institute for knowledge creation and dissemination of all traditional and emerging technologies and their fusion for national/ societal benefits in diverse areas like industry, finance, sustainability, environment and critical problem-solving (grand challenges).

The five Mission Statements have been identified by the institute to realize the Vision (2021-25):

- Foster humanitarian values, passion for learning, and creativity in faculty and students
- Move towards high quality, futuristic educational, and research ecosystem
- Develop socially responsible faculty, students, and future leaders, committed to creating a self-reliant India
- Catalyze a professional internal culture along with enabling infrastructure and ancillary services
- Forge effective national as well as international collaboration and partnership with industry and academia for diverse purposes and activities.

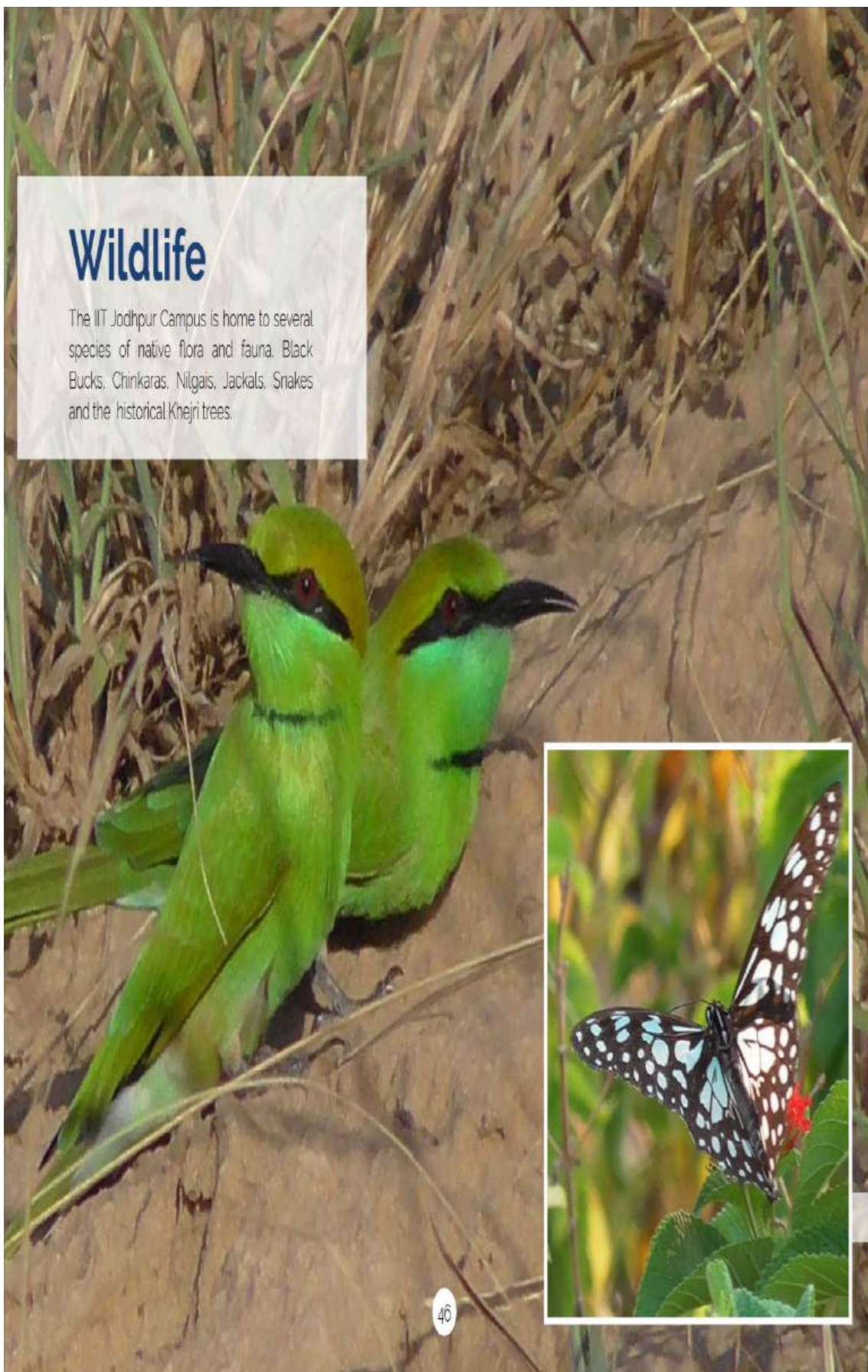
ANVISA (A Novel Innovation Space)

IIT Jodhpur proudly presents its cutting-edge Tinkering Lab: ANVISA (A Novel Innovation Space), dedicated to nurturing innovative ideas in science, technology, and entrepreneurship. Supported by the Academic and Co-Curricular Activity Council, Here's a glimpse of what this incredible lab has to offer.



Wildlife

The IIT Jodhpur Campus is home to several species of native flora and fauna. Black Bucks, Chinkaras, Nilgais, Jackals, Snakes and the historical Khejri trees.







Centre for Advanced Security Technology Development in CPS

Ministry of Electronics and IT has supported establishment of a Centre for Advanced Security Technology Development in Cyber Physical Systems (CPS) at IIT Jodhpur with an outlay of Rs. 5.91 crore. The center became operational in March 2022.

The objectives of the center are:

To develop expertise and train manpower in the security of Cyber Physical Systems (CPS).

To provide technical know-how to agencies.

With a focus on:

- (i) Water distribution networks (security of PLCs and SCADA)
- (ii) Vehicular Traffic and Vehicular Networks (security of inter- and intra- vehicular communication)
- (iii) Multiagent systems (swarm of robots, UAVs, and their applications in disaster management)

State of the Art Teaching Tools

The fully equipped lecture hall facilitates blended mode of teaching and caters to the classroom instruction requirement of a student strength of 1500 approximately including two large lecture halls of capacity 320 and 625 seats.

Moreover, each department building is having its own well-equipped classrooms and teaching laboratories. Most of the classrooms both the Lecture Hall Complex and Departments are equipped with the state-of-the-art digital technologies thereby allowing the hybrid mode of teaching.



Centre for Research & Development of Scientific Instruments

The Centre for Research & Development of Scientific Instruments (CRDSI) at IIT Jodhpur provides researchers with access to high-end equipment for multidisciplinary research. It is registered with the I-STEM portal of the Govt. of India and manages an external booking system for users across the country.



Fluorescence- Activated Cell Sorting
BD- Biosciences Discover S8



Powder XRD
Malvern Panalytical



ED- X Ray Fluorescence
Malvern Panalytical - Epsilon 4



Inductively Coupled Plasma Mass Spectrometer
Agilent technologies-7580



Dynamic Light Scattering
Malvern- Zetasizer Pro



॥ सर्वे कुम्हारो विप्रमन्यते ॥

Indian Institute of Technology Jodhpur

Campus Placements 2023-24

470+ OFFERS
270+ COMPANIES

UNDERGRADUATE

51 LACS
HIGHEST PACKAGE

17 LACS
AVERAGE PACKAGE

POST-GRADUATE

24 LACS
HIGHEST PACKAGE

11 LACS
AVERAGE PACKAGE

OUR CAMPUS RECRUITERS





#Expanding Horizons, Shaping Futures

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<https://iitj.ac.in/publication>

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Scholars-in-Residence



Dr. Shekar Choudhary

- » Former Director, IIM Calcutta
- » Former Professor of IIMA
- » Former Dean of the Vinod Gupta School of Management, IIT Kharagpur
- » The Founding Director of the School of Management & Entrepreneurship at the Shiv Nadar University



Dr. Kaushik Basu

- » C. Marks Professor, Cornell University
- » President of the International Economic Association (Currently)
- » Professor of Economics and C. Marks Professor at Cornell University
- » Served as Chief Economist and Senior Vice President of the World Bank
- » Served as Chief Economic Adviser to the Government of India
- » Taught at the Delhi School of Economics, Harvard, Princeton and MIT
- » Fellow of the Econometric Society
- » Received the title of Padma Bhushan



Prof. Sankar K. Pal

- » INSA Distinguished Professor, ISI Emeritus Professor and Former Director at ISI, Kolkata
- » Expert in Fuzzy Neural network, soft computing, and machine intelligence
- » Padma Sri, 2013
- » Mahalanobis Birth Centenary Gold Medal from Prime Minister of India for Lifetime Achievement
- » Khwarizmi International Award from the President of Iran, 2000
- » Vikram Sarabhai Research Award, 1993
- » Shanti Swarup Bhatnagar Award, 1990
- » Life Fellow of the IEEE, Fellow of the World Academy of Sciences (TWAS), International Association for Pattern recognition, International Association of Fuzzy Systems, International Rough Set Society, and all the four National Academies for Science/Engineering in India



Prof. Devang V. Khakhar

- » Distinguished Professor and Former Director, Indian Institute of Technology Bombay
- » Expert in Polymer Science
- » H. H. Mathur Award for Applied Sciences, IIT Bombay, 2005
- » Millennium Gold Medal, Indian Science Congress, 2000
- » Herdillia Award, Indian Institute of Chemical Engineers, 1999
- » Shanti Swarup Bhatnagar Prize, 1997
- » Amar Dyechem Award, Indian Institute of Chemical Engineers, 1993
- » Swarnajayanti Fellowship, Department of Science and Technology, 1998
- » Fellow, Indian National Academy of Engineering and Indian National Science Academy



Our Faculty

264

Total Faculty

147

Assistant
Professor

62

Associate
Professor

38

Professor

03

Young Faculty
Associate

03

Professor of
Practice

09

Visiting Professor

02

Distinguished
Professor

Post Graduate Programs

Preparing for Invention & Innovation

M.Tech. & M.Tech. – Ph.D. Dual Degree Integrated Programs

Bioscience &
Bioengineering

Communication and
Signal Processing

Law and Technology

Infrastructure Engineering
with Specialization in
Environmental Engineering

Computer Science
and Engineering

Data Engineering

Mechanical Design

Artificial
Intelligence

Cyber Physical
Systems

Sensors & Internet
of Things (SIOT)

Advanced
Manufacturing

Data &
Computational
Sciences

Advanced
Manufacturing
& Mechanical Design

Thermofluids
Engineering

Intelligent
Communication
Systems

Medical
Technologies

Robotics and
Mobility System

Intelligent VLSI
Systems

Quantum
Technologies

Augmented Reality
and Virtual Reality
(AR & VR)

Chemical
Engineering

Infrastructure
Engineering with
specialization in Energy

Materials
Engineering

Advanced Manufacturing and Mechanical Design M.Tech.- Ph.D. Dual Degree Integrated

Medical Technologies Master-Ph.D. Dual Degree

AIOT Innovation Hub

The hub aims to create a sustainable and advanced ecosystem with facilities for end-to-end design, development, prototyping and pilot production of AIOT (Artificial Intelligence of Things) systems at the Technology Park of IIT Jodhpur.

- » The center works with the unique approach that is "System focused", rather than "component (sensor) focused" approach.
- » All the developments start with an "End in Mind" approach that is use-case driven.
- » The systems development leverage AI & IOT principles while design and development is done rather than retro-fit into what's already available.

- » Research and development mainly aims for translational research leading to commercial success.

Following are the key differentiating factors for the proposed innovation hub at IIT Jodhpur:

- Is "System focused", rather than "component (sensor) focused" approach
- Begin with "End in Mind" approach & End use-case driven approach.
- Leverage AI and IOT principles while design and development; rather than retro-fit into what's already available.
- Translation of research into commercial success as the key success indicator.

