If you light a lamp for somebody, it will also brighten your path.
DST Organizes Climate Change Conclave at IIT Delhi, Focuses on AI and Climate Adaptation


The Department of Science and Technology (DST) hosted a Climate Change Conclave at IIT Delhi from May 27-28, 2024, focusing on AI-based climate modeling and adaptive solutions.

The Department of Science and Technology (DST) hosted a two-day Climate Change Conclave from May 27th to 28th, 2024, at the Indian Institute of Technology (IIT) Delhi. This event brought together leading experts from across India to discuss the development of foundational models in Artificial Intelligence (AI) for climate modeling specific to the Indian context. The conclave emphasized the need for quality control of climate
data, improving predictions, and strengthening community interactions for better climate adaptation solutions.

Prof. Abhay Karandikar, Secretary of DST, highlighted the significant progress made by DST's two key missions: the National Mission for Sustaining Himalayan Ecosystem (NMSHE) and the National Mission on Strategic Knowledge for Climate Change (NMSKCC). "These missions have supported 19 Centres of Excellence and 37 major R&D programs over the years," he noted. Prof. Karandikar stressed the importance of developing AI-based foundational models tailored to India's unique climatic challenges.

During the conclave, Prof. Karandikar released the draft executive summary of the 'District Level Climate Risk Assessment for India.' He pointed out that indigenous climate models, built on localized data, are crucial for understanding and addressing climate change effectively. "A holistic approach, involving researchers from multiple disciplines and a range of stakeholders, is essential to tackle the ongoing challenges of climate change, especially its impact on agriculture, water resources, and the environment," he added.

Dr. Akhilesh Gupta, Senior Advisor at DST, discussed the inception and evolution of DST's Climate Change Programme. He detailed the interventions made by DST in the National Action Plan for Climate Change (NAPCC) and the development of climate science and adaptation R&D programs across the country. Dr. Gupta emphasized the importance of collective action and community collaboration in developing solutions to secure the future against the threats of climate change.

Dr. Anita Gupta, Head of Climate, Energy, and Sustainable Technology (CEST) at DST, underscored the urgency for climate change solutions, highlighting that 40% of the global population is already vulnerable to its adverse effects. She outlined the efforts of DST's missions under NAPCC in supporting nationwide R&D programs. Additionally, she discussed DST's participation in Mission Innovation, a global initiative launched in 2015 to foster clean energy solutions.

Prof. Rangan Banerjee, Director of IIT Delhi, showcased the work of the Centre of Excellence on climate change modeling at IIT Delhi. He highlighted innovative technologies such as coal-to-methanol conversion, blue hydrogen production, and carbon capture and storage as key mitigation strategies.

The conclave saw active participation from climate change experts from various prestigious institutions, including IIT Bhubaneswar, Banaras Hindu University, University of Delhi, Kashmir University, IISc, University of Allahabad, Wadia Institute of Himalayan Geology, India Meteorological Department, ICRISAT, and DST Centres of Excellence. DST officials also engaged in discussions, reinforcing the collaborative effort needed to address climate change.
IIT Delhi’s Abu Dhabi campus introduces BTech in CSE, Energy Engineering

Other than these courses, the Abu Dhabi campus offers several areas such as Energy and Sustainability, Artificial Intelligence, Computer Science and Engineering, Healthcare, Mathematics and Computing, and other disciplines of engineering, sciences and humanities.

It will prepare undergraduate students with various solutions to meet growing demands in critical fields such as energy and digitalisation.

The Indian Institute of Technology Delhi (IIT-D), in partnership with its international campus in Abu Dhabi, has announced its inaugural Bachelor of Technology (BTech) programme for the 2024-25 academic year. The collaboration will offer two bachelor’s programs: BTech in Computer Science and Engineering, and BTech in Energy Engineering.

These programmes will help students tackle energy challenges, shape the future digital age, and develop software to enhance a range of industries, from analytics to finance, and cryptography to information technology.
Further, it will prepare undergraduate students with various solutions to meet growing demands in critical fields such as energy and digitalisation.

The BTech in Energy Engineering provides a range of engineering verticals to suit different interests with a focus on sustainability to address current challenges in energy production and management. The BTech in Computer Science and Engineering combines theory and practical skills, focusing on AI and machine learning, to equip students with proficiency in abstraction, computational thinking, and problem-solving techniques essential for navigating the complexities of today’s digital landscape.

In 2023, IIT Delhi and the Abu Dhabi Department of Education and Knowledge (ADEK) partnered with Abu Dhabi National Oil Company (ADNOC) to reinforce the significance of this newly introduced master’s program and underscores all partners’ joint commitment in nurturing skilled talent in the UAE.

IIT-Delhi has initiated various outreach programmes for students in the UAE. Short courses and executive programmes for the industry are expected to start soon, the institute said. Other than these courses, the Abu Dhabi campus offers several areas such as Energy and Sustainability, Artificial Intelligence, Computer Science and Engineering, Healthcare, Mathematics and Computing, and other disciplines of engineering, sciences and humanities.

IIT Delhi-Abu Dhabi Organised Open House To Addresses Student Queries

May 26, 2024, 06:52 PM IST  https://www.freepressjournal.in/education/iit-delhi-abu-dhabi-organised-open-house-to-addresses-student-queries

IIT Delhi-Abu Dhabi and the Indian Embassy in Abu Dhabi hosted an open house event on Saturday.

IIT Delhi-Abu Dhabi and the Indian Embassy in Abu Dhabi hosted an open house event on Saturday, which attended by approximately 500 parents and students. The open house covered a wide range of topics, including eligibility, costs, scholarships, and the undergraduate admission process. According to the Khaleej Times report, due to high demand, a second session was held, witnessing an overwhelming response from aspirants.

Key highlights from the Open House:

Start Date: First batch of students will be admitted in August or September 2024.

Modes of Admission:
Combined Admission Entrance Test (CAET) 2024

Joint Entrance Examination (JEE – Advanced) 2024

CAET Examination Details:

Format: Pen and paper-based with responses marked on OMR sheets.

Subjects and Schedule (June 23, 2024):

Physics: 8:30 AM - 10:00 AM
Chemistry: 11:30 AM - 1:00 PM
Mathematics: 2:30 PM - 4:00 PM

Compulsory Papers: All candidates must appear for all three subjects.

Fee: Non-refundable registration fee of Dh300.

Important Dates:

Online registration ends: June 3, 2024
Admit card download: From June 14, 2024
Result declaration: July 7, 2024

Course offered:

Four-year bachelor’s programmes in Computer science and Engineering, and Energy Engineering. All faculty members are from IIT-Delhi or other top institutions.

Fees and Campus Accommodation:

The tuition fee for the four-year course is Dh81,375 per year, totaling Dh325,000. The IIT Delhi-Abu Dhabi campus is situated in Khalifa City and offers separate on-campus accommodations for male and female students, with options for single or double occupancy. The housing fees are Dh1,000 per month for double...
occupancy and Dh2,000 per month for single occupancy. Amenities include a fully functional kitchen, laundry services, an entertainment room, a fitness centre, 24/7 security, and a student lounge.

**Scholarship and Fee Waiver Details:**

**UAE Nationals:**

Full scholarship covering 100% of tuition fees.

Monthly stipend of Dh4,000.

Housing fee waiver for double occupancy for students residing outside Abu Dhabi.

**JEE – Advanced Students:**

Same tuition fees as IIT-Delhi.

Monthly stipend of Dh2,000.

Housing fee waiver for double occupancy for students residing outside Abu Dhabi.

**International Students (including Indian expats in UAE):**

**Performance-Based Scholarships:**

Tier 1: 100% tuition fee waiver for a minimum CGPA of 8.00/10.00.

Tier 2: 50% tuition fee discount for a minimum CGPA of 6.00/10.00.

Scholarships and fee waivers will be determined by the admissions committee based on CAET performance and other criteria. For more information and to register, candidates are advised to visit the university’s admissions website.
IIT Delhi to conduct JAM 2025 for admission to masters programmes


IIT JAM 2025 will be conducted for admission to postgraduate programmes at IITs, NITs, IIITs, and other participating institutes.

IIT JAM 2025 will be organised by IIT Delhi. (Image: IIT Delhi entrance/official website)

The Indian Institute of Technology, Delhi (IIT Delhi) will organise the Joint Admission Test (JAM) 2025, the institute announced. IIT JAM 2025 will be conducted for admission to masters programmes for the academic session 2025-26.

IIT JAM 2025 official website will be launched soon which will display the information brochure, exam dates, eligibility, syllabus, exam fee, test pattern, marking scheme, and more.

The exam is held as a computer-based test for seven papers including biotechnology, chemistry economics, geology, mathematics, mathematical statistics, and physics.
Candidates who have completed or will be appearing in the final examination of their undergraduate degree will be eligible for JAM 2025. There is no age restriction to appear in the test.

As per the exam pattern, the duration of JAM 2025 will be three hours. There will be a total of 60 questions carrying 100 marks. The question paper will be divided into three sections - section A, section B, and section C. Section A will consist of multiple choice questions (MCQs), section B will include multiple select questions (MSQs), and section C will comprise numerical answer type (NAT) questions.

Last year, the exam was conducted in two sessions – session 1 from 9:30 to 12:30 pm and session 2 from 2:30 pm to 5:30 pm.

Through JAM 2025, students will get admissions to various postgraduate programmes such as MSc, MSc (Tech), MSc-MTech Dual Degree, MS (Research), Joint MSc - PhD, and MSc - PhD Dual Degree programmes at the IITs, Indian Institute of Science (IISc) and National Institutes of Technology (NITs), IIEST Shibpur.

IIT Delhi conducts entrepreneurship course for students to help them in startup journey


At least 40 students from diverse academic backgrounds were selected to participate in the first session of the programme

The Entrepreneurship Development Cell (eDC) at the Indian Institute of Technology (IIT), Delhi, conducted the first season of Venture Studio, an entrepreneurship course to support IIT Delhi students in their journey to build successful startups from scratch. This has been held in collaboration with some alumni of IIT Delhi.

Drawing from a pool of over 350 registrations, 40 students from diverse academic backgrounds were selected to participate in the first season. The course was designed to empower the students with the knowledge and skills to enable them to become successful entrepreneurs. The students were handpicked for their passion, creativity, and drive to make a difference in the entrepreneurial landscape.

Skills to navigate startup ecosystem

The curriculum of Venture Studio Season-I was meticulously crafted to cover a wide range of topics critical to entrepreneurship, including ideation, market research, business model development, funding strategies, product development, marketing, and scaling. Through a combination of lectures, workshops, case studies,
and interactive discussions, participants gained invaluable knowledge and practical skills essential for navigating the complex startup ecosystem.

During the eight-week course, participants were privileged to learn from the experiences and insights of Pawan Raj Kumar (co-founder of Hoi Foods and Supa Star Foods and Lead Investor), Priyank Garg (managing partner of IAN Alpha Fund), Pankaj Vermani (Founder of Clovia), Dipinder Sekhon (Founder of Kites AI), Alok Mittal (co-founder and managing director of Indifi Technologies), TP Miglani (founding member of COGS), Gaurav Agarwal (co-founder of 1mg), Shivani Kapoor (co-founder of ThinkStartup), and Vivek Srivastava (founder and CEO – HCAH India), distinguished alumni of IIT Delhi, who have successfully established successful startups.

Every week, students were engaged in intensive sessions covering different aspects of startup creation and growth, led by the seasoned entrepreneurs-turned-mentors. The Venture Studio programme concluded with Pitch Day, where the selected students presented their startup ideas before a panel of distinguished institute alumni, including Vikram Gupta, founder and managing partner of IvyCap Ventures; Ruchira Shukla, head of South Asia for Venture Capital; Vivek Kumar, founder at Venture Garage; Ashish Padidar, partner at Bellwether; and Priyank Garg, managing partner of IAN Alpha Fund. The students briefed the panel about what they learned during the course and how they were going to apply it to their planned and already existing startups.

IIT Delhi Kicks Off Third Batch Of Its STEM Mentorship Programme For High School Girls

May 18, 2024, 06:23 PM IST  https://www.freepressjournal.in/education/iit-delhi-kicks-off-third-batch-of-its-stem-mentorship-programme-for-high-school-girls

The institute has shortlisted 100 promising candidates from over 200 nomination applications from various Delhi Government Schools, Kendriya Vidyalaya Schools (Delhi-NCR region), and private schools.
The Indian Institute of Technology (IIT) Delhi has launched the third batch of its STEM Mentorship Programme which is designed for high school girls in Classes 9 and 11.

The idea behind the course is to inspire and empower young minds to explore careers in STEM disciplines.

The institute has shortlisted 100 promising candidates from over 200 nomination applications from various Delhi Government Schools, Kendriya Vidyalaya Schools (Delhi-NCR region), and private schools. Shortlisted students were selected after a rigorous selection process.

The STEM Mentorship Program will unfold in three key phases:

The first phase is called the summer phase. It will span from May 14-24, 2024, will involve a 9-day workshop. Participants will be taught about STEM fields through a series of expert lectures, laboratory demonstrations, and hands-on problem-solving sessions. This will also include a Maker Space workshop at IIT Delhi will provide students with hands-on experience in DIY projects.

The second phase is called “At the School”. It be held per month on Saturdays from July to November this year. Participants can also engage in the Sci-Tech Spins lecture series. Furthermore, interaction sessions with IIT Delhi students will enrich their learning experience.
The third phase is called “Winter phase”. It will be held in January 2025 and will consist of lectures on leadership in STEM, entrepreneurship, and interactions with a variety of IIT Delhi alumni.

The first cohort of 10 girls came into existence in December 2021, followed by the completion of the second batch of 32 schoolgirls in June 2023, under the guidance of the Office of Academic Outreach and New Initiatives, IIT Delhi.

IIT Delhi Abu Dhabi Campus Announces Admission Guidelines For Inaugural Undergraduate Programs


The Indian Institute of Technology Delhi Abu Dhabi campus has unveiled the admission guidelines for its first-ever undergraduate program set to commence in the 2024-25 academic year. Prospective students can secure admission through either the Combined Admission Entrance Test (CAET) 2024 or the Joint Entrance Examination 2024.

For the upcoming academic year, IIT-Delhi Abu Dhabi will offer two bachelor’s programs: B. Tech. in Computer Science and Engineering, and B. Tech. in Energy Engineering. Each program will admit 30 students, totaling 60 seats for the first cohort, with classes scheduled to begin in August or September. The CAET 2024 is open to Indians residing in the UAE, Emiratis, and international students who meet several criteria.

Candidates must have secured at least 75 percent aggregate marks in Class/Grade XII (or equivalent) board examinations or rank in the top 20 percentile of their respective boards. Additionally, candidates should have been born on or after October 1, 1999, with a potential two-year age relaxation according to UAE national policy. They can attempt the test a maximum of two times within two consecutive years and must have appeared for the Class/Grade 12 (or equivalent) examination for the first time either in the current year or the year immediately preceding. Furthermore, candidates should not have been admitted to any IIT previously, regardless of whether they continued in the program or vacated their seat.

The CAET 2024 is scheduled for June 23, featuring a three-hour examination comprising 90-minute papers in Physics, Chemistry, and Mathematics. This test offers students in the UAE and around the world a unique opportunity to join one of India’s leading technical institutions in Abu Dhabi.

The Abu Dhabi Department of Education and Knowledge (ADEK), the Ministry of Education, Government of India, and the Indian Institute of Technology Delhi signed an MoU to create the first international campus of IIT Delhi, known as IIT-Delhi Abu Dhabi, last year during the visit of Prime Minister Narendra Modi.
IIT Delhi scholarships for UG, PG students

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Scholarships for meritorious students at IITD not only provide academic encouragement to such students but are also important for the financial support they provide.

IIT Delhi scholarships: The Indian Institute of Technology Delhi (IIT Delhi) provides scholarships to worthy and deserving students every year. While some are in the form of college fee concessions, others come as direct benefit transfers to the students’ bank accounts.

Scholarships for meritorious students at IIT Delhi not only provide academic encouragement to students but are also important for the financial support. Donor-endowed scholarships also augment the scholarships provided by IIT Delhi and support a larger number of students in their pursuit of excellence.

List of scholarships and eligibility

– BTech and MSc students who have a CGPA of 6 and a family income of at most Rs 4,50,000 per annum are eligible for merit cum means scholarships. These scholarships are awarded to at most 25 per cent of the students and provide a tuition waiver and Rs 1,000 per month. An additional 10 per cent of students meeting the income criterion are provided a tuition waiver. The tuition fee is exempted for all the students of the SC/ST/PwD category.

– MDes, MTech, and MS(R) students are provided teaching and research assistantships of Rs 12,400 per month. Dual degree students in the 5th year having a CGPA of 8 or more are also eligible for these scholarships.

– PhD students are awarded a teaching/research assistantship which provides Rs 31,000 per month for the first two years and Rs 35,000 per month for the next two years of the program.

– All PhD students are eligible for a grant of Rs 1,50,000 for travel to a conference once during their program. Students demonstrating research excellence are eligible for a second such award.

Merit and means UG scholarships

IIT Delhi offers merit cum means (MCM) scholarships to students with family income below Rs 4,50,000 lakhs per annum (LPA) and have a GPA of at least 6. However considering the high costs of tuition Rs 2,00,000 per annum (LPA), UG students at the Institute with family income above this threshold also require support.
Donor-supported merit cum means scholarships are awarded to students who are required to pay the full tuition fee and have family income less than Rs 9,00,000 per annum. Students are selected based on their rank in JEE Advanced and continuation depends on their maintaining a CGPA of at least 7 at the end of each academic year. The scholarship amount of Rs 1,00,000 per annum covers half the tuition fee and the award is for 4 years only.

Other options for scholarships award made in the second year, selection for academic and co-curricular achievements etc are also possible.

**Scholarships for MSc Students**

IIT Delhi offers 2 year MSc programmes in mathematics, physics, and chemistry, and admission to these programs is done through the Joint Admission Test for MSc (JAM).

Donor-supported merit cum means scholarships are awarded to students with family income between Rs 5,00,000 per annum and Rs 9,00,000 per annum. Students are selected at the time of admission based on their JAM rank and continuation into the 2nd year is contingent on their securing a CGPA of at least 7 in the first year. The scholarship of value Rs 50,000 per annum is for 2 years only.

**SIFS students get training at IIT Delhi lab**


Students from the UP state institute of forensic sciences (UPSIFS) stationed at the ballistics department gained insights into forensic intricacies at IIT Delhi’s ballistic and armour testing lab.

Director of UPSIFS, GK Goswamy said that students embarked on a one-day specialised training session at IIT Delhi.

“The students delved into the study of ballistic-related subjects such as armour, helmets and bulletproof materials at IIT Delhi’s ballistic and armour testing lab and renovation park. They familiarised themselves with the research activities conducted in the lab and comprehended the functioning of various machines. Additionally, the students were introduced to new start-up ventures alongside topics related to AI, robotics, drones and other fields,” said Goswamy. Goswamy highlighted the advantages derived from the collaboration with various institutions, facilitating students with continuous opportunities for learning and exploration.
IIT Delhi to conduct ‘Robotics for Good Youth Challenge’ competition


The Technology Innovation Hub of the Indian Institute of Technology Delhi (ITT-D) will conduct the Robotics for Good Youth Challenge 2024-2025, a UN-based educational robotics championship, on October 17, 2024. The competition is held under the guidance of the International Telecommunication Union (ITU), a specialised agency for information and communication technologies of the United Nations.

Interested candidates can register themselves on the official website of IHFC, IIT Delhi till July 31 at ihfc.co.in/important-announcements.

As a global initiative of the ITU, the Robotics for Good Youth Challenge is part of AI for Good, the leading action-oriented, global, and inclusive United Nations (UN) platform on artificial intelligence (AI).

The competition will be conducted for two age groups — junior (classes 6-8) and senior (classes 9-12). It will take place at the International Exhibition Convention Centre, Pragati Maidan in New Delhi.

The winner from this round will qualify to compete at the international level for the grand finale at the AI for Good Global Summit 2025 in Geneva.

The competition is open for candidates or teams willing to design, build, and code a robot to tackle the challenge of disaster like earthquakes, seismic risk prediction, and soil and subsurface studies in the competition for the advancement of United Nations’ Sustainable Development Goals (SDGs).

This championship is held every two years and provides Indian students for the first time with the opportunity to showcase their robotics expertise and present their futuristic robotic solutions for disaster management and sustainable development on a global stage.

The Robotics for Good Youth Challenge is a UN-based educational robotics championship held every two years. It is inspired by a global challenge in which robots offer practical solutions to advance the UN SDGs.
IIT Delhi introduces executive MBA programme for working professionals, application opens till May 31


The Department of Management Studies (DMS) at IIT Delhi has introduced a new programme – Executive Master of Business Administration (Executive MBA), designed specifically for working professionals for which applications are open until May 31.

To apply, interested candidates can submit an application form on the official website with an online fee payment of Rs. 2,500. The executive MBA is expected to begin in July 2024. The two-year programme allows working professionals to enhance their knowledge, skills, and network while continuing their careers, claimed the press release.

Eligibility

— Applicants must have a bachelor’s degree with a minimum of 60 per cent marks or 6 CGPA
— Applicants belonging to SC, ST or PH category must have a bachelor’s degree with a minimum of 55 percent marks or 5.5 CGPA
— Applicants must have a minimum of three years of work experience.

**Admission Process**

The admission process consists of a written test scheduled for June 9, 2024, followed by a personal interview on June 22. As mentioned on the official website, weightage will be given to your professional background, including work experience and your academic performance in your qualifying degree or diplomas, read a statement from the press release.

**Scholarship for Executive MBA**

— Applicants securing first position will be provided a 100 percent tuition fee waiver
— Applicants obtaining second position will be provided with 50 per cent of fee waiver
— Applicants in third position will be provided a 25 per cent fee waiver.

Applicants must note that for first-semester students, the fee waiver will be based on the admission merit list, whereas the second semester onwards, CGPA will be considered for awarding scholarships.

Executive MBA at IIT Delhi features flexible evening sessions (6 pm to 9 pm) to accommodate schedules of working professionals, instruction by renowned IIT Delhi faculty, and extensive networking opportunities with esteemed alumni, industry experts, and faculty members, claimed the press release, adding that a short-duration global field study tour allows students to gain firsthand experience in cross-cultural business environments.