"Through practice comes Yoga, through Yoga comes knowledge, through knowledge love, and through love bliss."  
Swami Vivekananda
National Centre for Assistive Health Technologies at IIT Delhi launches new products


Need for developing indigenous assistive technology solutions for unmet needs in this space: DG ICMR

The Indian Council of Medical Research (ICMR)-supported National Center for Assistive Health Technologies (NCAHT) at the Indian Institute of Technology (IIT) Delhi has launched various assistive technology products for visually challenged people. Dr Rajiv Bahl, Director General, ICMR, unveiled these products in the presence of Prof. Rangan Banerjee, Director, IIT Delhi.

The recently launched assistive technology innovations by NCAHT at IIT Delhi included Shapescapes (a geometry learning kit), high-quality White Canes, and an Accessible Kit for STEM Education.

IIT Delhi, in partnership with Phoenix Medical Systems, Chennai, and Saksham Trust, with funding from the Wellcome Trust, had developed SmartCane, an electronic travel aid. It is currently used by about 150,000 people in India and abroad. SmartCane Version 2 is an improved version of the earlier product.

The NCAHT also announced that large-scale user trials of SmartCane Version 2 and Refreshable Braille Display have begun. These innovations, co-created with Saksham Trust, New Delhi, will empower visually challenged people in their independent mobility and education.

Leading the change: IIT Delhi launches first-of-its-kind Healthcare Industry 5.0 Programme shaping the future of health-tech

In an era marked by rapid technological progress, the healthcare sector stands on the cusp of a profound transformation. Industry 5.0, merging state-of-the-art technology with human-centric approaches, holds the promise of revolutionising healthcare delivery and improving patient outcomes. Recognising the pressing need for healthcare professionals to adapt to this paradigm shift, IIT Delhi, (CEP), introduced the first-of-its-kind, innovative and pioneering Executive Programme in Healthcare for Industry 5.0. This groundbreaking initiative is poised to redefine healthcare education.

**A paradigm shift in healthcare education**

Industry 5.0, characterised by the fusion of cutting-edge technology and human-centric principles, is poised to redefine healthcare delivery and patient outcomes. This innovative programme from IIT Delhi represents a significant leap forward, aligning with the ethos of Industry 5.0 to revolutionise healthcare education.

**Seizing the opportunity**

The Indian health-tech market, as projected* by LoEstro Advisors, is set to double in size to $25 billion by 2025, propelled by factors like increased internet penetration, demand for enhanced accessibility, and rising prevalence of chronic diseases. This robust growth is further supported by innovative healthcare solutions and government initiatives aimed at fostering a digital health ecosystem.

**Future trends**

The healthcare industry in India presents vast opportunities across various segments, attracting investments and fostering innovation. Rising health consciousness and income levels are fueling demand for quality healthcare services and preventive measures. With the aim of positioning India as a significant player in the global healthcare landscape, the Indian Brand Equity Foundation (IBEF) has a projected target of reaching a market value\(^1\) of US$ 638 billion by 2025.
Differentiating Industry 5.0

While Industry 4.0 laid the groundwork for automation and digitalisation, Industry 5.0 transcends these boundaries. It represents a convergence of human ingenuity with advanced technologies like AI, robotics, and big data analytics. This synthesis unlocks unprecedented levels of innovation, customisation, and value creation, setting a new standard for industrial progress.

Preparing professionals for Industry 5.0

At the core of the Executive Programme in Healthcare for Industry 5.0 lies a commitment to bridging the skill gap and fostering agility in a dynamic industry. The curriculum, tailored to industry demands, encompasses interdisciplinary programme topics such as Human Physiology and Healthcare Fundamentals, Operations Management, Big Data Analytics, and Corporate Responsibility in Healthcare. Through a comprehensive approach, participants gain insights into leveraging Industry 5.0 frameworks to enhance patient care, streamline operations, and drive innovation in healthcare settings.

Empowering future health-tech leaders

This first-of-its-kind programme equips participants with the latest insights and strategies to navigate the complexities of Industry 5.0 in healthcare. By fostering a symbiotic relationship between humans and technology, IIT Delhi empowers future leaders to drive exponential value creation and transformative change in the healthcare landscape.

Programme highlights

- **Certificate of successful completion from CEP, IIT Delhi**: Participants receive a prestigious certificate upon successfully completing the programme while maintaining 70% aggregate marks and a minimum of 50% attendance during lectures. This adds significant value to their professional credentials and enhances career opportunities in the healthcare industry.

- **Live interactive sessions by IIT Delhi faculty**: Through real-time engagement with esteemed faculty members from IIT Delhi, participants gain firsthand insights into industry trends, best practices, and innovative strategies, fostering a dynamic and enriching learning experience.
• **Two-day campus immersion:** The immersive campus experience provides participants with the opportunity to interact with faculty and peers in a stimulating academic environment, facilitating deeper learning, collaboration, and networking.

• **Case studies driven learning:** By analysing real-world case studies, participants develop practical problem-solving skills and gain valuable insights into industry challenges and solutions, enabling them to apply theoretical knowledge to practical scenarios effectively.

• **Term papers:** Participants have the opportunity to delve into specific healthcare topics of interest through term papers, allowing them to conduct in-depth research, demonstrate analytical abilities, and contribute to the advancement of healthcare knowledge.

• **Peer-to-peer networking opportunities:** Networking sessions enable participants to connect with fellow professionals from diverse backgrounds, exchange ideas, and build valuable professional relationships, fostering a supportive and collaborative learning community.

Who should apply for the programme?

This programme is ideally suited for healthcare professionals seeking to enhance their understanding of Industry 5.0 and its implications for healthcare delivery. If you aim to grasp the principles and concepts underpinning Industry 5.0, identify the pivotal technologies driving its evolution in healthcare, and explore their practical applications in healthcare settings, this programme is for you. Moreover, if you aspire to develop strategies for effectively implementing Industry 5.0 initiatives within your healthcare organisation
and gain valuable insights into the future of healthcare in the Industry 5.0 era, then enrolling in this programme is imperative for advancing your career and staying ahead in an increasingly dynamic industry landscape.

Key programme details

- **Programme fees:** INR 1,30,000 + GST
- **Duration:** 6 months
- **Mode of delivery:** Live online sessions delivered via Direct-to-Device (D2D)
- **Eligibility criteria:** Bachelor's degree in the field of Science or Engineering or Medicine (MBBS/Pharmacy /Nursing/ BOS or equivalent degree) with at least 50% marks in total or 5.0 CGPA.

In a nutshell

As the healthcare landscape continues to evolve, the necessity for continuous learning becomes increasingly evident. IIT Delhi's Executive Programme in Healthcare for Industry 5.0 bridges the skill and knowledge gap created by the evolution of the healthcare industry while reaffirming the critical role of education in shaping the future of healthcare. By equipping healthcare professionals with the skills and knowledge needed to thrive in an era of rapid innovation, the programme heralds a new era of excellence in healthcare delivery and patient care.

To learn more about the programme or to enrol, visit the [Executive Programme in Healthcare for Industry 5.0 Programme by CEP, IIT Delhi | Jaro Education](#).

References:

1. https://www.ibef.org/industry/healthcare-india

**IIT Delhi and AIIMS Delhi uncover neural mechanisms of Yoga Nidra in groundbreaking study**


IIT Delhi and AIIMS Delhi uncover neural mechanisms of Yoga Nidra in groundbreaking study
A pioneering study conducted by researchers from IIT Delhi, AIIMS Delhi, and Mahajan Imaging Delhi has shed light on the neural mechanisms underlying Yoga Nidra, a practice designed to induce deep relaxation while maintaining heightened awareness. The study, supported by the Department of Science and Technology, India, under the Science and Technology for Yoga and Meditation (SATYAM) program, was carried out at the National Resource Centre for Value Education in Engineering (NRCVEE), IIT Delhi.

The study, titled "Functional connectivity changes in meditators and novices during Yoga Nidra practice" and published in the prestigious international journal Scientific Reports, involved two groups: 30 meditators with an average of 3000 hours of experience in meditation and/or yogic practices, and 31 matched novice controls. The findings revealed that the Default Mode Network (DMN), a group of interconnected brain regions active when not focused on the outside world, behaves differently in experienced meditators compared to novices. This difference in brain communication patterns helps understand how Yoga Nidra modulates brain functions, promoting deep relaxation while maintaining awareness.

The study also found a strong correlation between the amount of meditation and yoga practice participants had and the reduction in DMN connectivity during Yoga Nidra. This suggests that experienced meditators may have reduced mind-wandering compared to novices, leading to changes in DMN connectivity. Additionally, both experienced meditators and novices showed activity in brain regions involved in processing language, movements, emotions, and sleep control while listening to guided instructions during Yoga Nidra.

Prof. Rahul Garg from IIT Delhi, a Co-PI in the study, noted that according to Yogic texts, Yoga Nidra helps bring "samskaras" buried in the deep subconscious mind to the surface, eventually helping to release them and promote health. The activation of brain areas involved in processing emotions is a significant finding in this context, potentially explaining why Yoga Nidra has been found effective in reducing anxiety in certain studies.

Dr. Vaibhav Tripathi, currently a Postdoctoral Fellow at Harvard University, highlighted that the study allows for the identification of both state and trait level changes in the default mode connectivity of experienced meditators, which could be used to quantify the ability to meditate and help practitioners track the depth of their meditative practice.
Zomato launches free weather monitoring service with 650 stations


Zomato founder Deepinder Goyal on Wednesday announced the launch of India's first crowd-supported weather infrastructure, WeatherUnion.com.

This proprietary network of over 650 on-ground weather stations is the largest private infrastructure of its kind in the country, providing localised, real-time information on key weather parameters such as temperature, humidity, wind speed, and rainfall.

Currently available across 45 major cities, Zomato plans to expand this network to other Indian cities in the near future.

"The data collected by these weather stations holds significant potential in unlocking weather-related use cases for enterprises and research institutes," Deepinder Goyal said in a post on X.

Zomato has collaborated with the Center for Atmospheric Sciences (CAS) at the Indian Institute of Technology (IIT) Delhi for development of the system, and expects more institutions and companies to benefit from this initiative.

"At Zomato, it was crucial for us to have access to precise and real-time weather information to make the right business decisions to serve our customers better," said Deepinder Goyal. "Hence, we took it upon ourselves to develop a solution capable of empowering us on this front."

Zomato is offering free access to this weather data through an API to all institutions and companies in the country.

"We believe that this data is too valuable to keep to ourselves or to monetize; therefore, as a Zomato Giveback, we are opening up access to this data to everyone for public good," Goyal added.

Goyal believes that multiple companies and public institutions should use real-time weather data to boost the productivity of the Indian economy.

Additionally, many Zomato employees have hosted weather stations at their homes, and the company welcomes volunteers who want to provide space on their premises to install these weather stations.
IIT Delhi hosts Sangam Digital Twin Networking Event
June 21, 2024 05:00 pm IST  https://theprint.in/india/iit-delhi-hosts-sangam-digital-twin-networking-event/2141370/

More than 100 participants discuss innovative digital solutions.

The first Networking Event of the Department of Telecommunications (DoT)’s Sangam – Digital Twin initiative was successfully hosted by IIT Delhi on June 18-19 2024. The event brought together more than 100 participants, including representatives from renowned companies, to discuss innovative digital solutions across various industries, a PIB press release stated.

The Sangam initiative, launched by DoT with the aim of digital transformation, is focused on developing a comprehensive framework for cross-sectoral data sharing and enhanced decision-making tools for infrastructure planning and policymaking. The event’s findings will be used to guide the design and architecture of digital twin-enabled solutions. Some of the key areas discussed in the event include multimodal transport planning, enhancing healthcare access and service, assessment of environmental quality, and disaster response system management.
The event also showcased the importance of data privacy and governance in digital twin-enabled solutions. The participants emphasized the importance of collaboration and innovation in addressing real-world problems. The event highlighted the potential of data-driven solutions to address complex challenges and improve decision-making processes. The networking event is part of DoT’s efforts to promote collaboration and innovation among stakeholders and enable the development of innovative digital solutions for a sustainable and efficient infrastructure.

**IIT-D study: Delhi can't walk the talk in extreme heat**

*June 17, 2024, 12.37 am IST*  

A study by Indian Institute of Technology Delhi (IITD), which evaluated the walkability of streets in the city during extreme heat conditions, has found that less than 33% of the areas assessed had both footpaths and were shaded. The study, "Are our streets meant for walking in extreme heat?" by IITD's Transportation Research and Injury Prevention Centre (TRIPC), evaluated 17 kms of streets across ten areas in Delhi, including Chhatarpur, Hauz Khas, Inderpuri, Kishangarh, Mehrauli, Munirka, Rajouri, R K Puram, Vasant Kunj and Vasant Vihar.

The study focused on various factors such as walkability, the presence of green infrastructure, shading and recorded temperature and humidity levels. Of the total streets audited in Delhi, 48% were lanes or less than 10m wide, 13% were local streets or were 10-20m wide, and 31% were collector roads or 20-30m wide. The findings revealed that a significant portion of the audited streets, amounting to over 67%, lacked adequate shading, which can significantly impact the comfort and safety of pedestrians during periods of
intense heat. The study also noted that shade from the buildings in the lanes was among the factors contributing to the difference in temperatures.

"The street in Munirka has a higher building-height-to-street-width ratio than Mehrauli, therefore, is mostly shaded throughout the day, providing an experience more thermally comfortable to pedestrians. Since the maximum vehicular speed in lanes is less than 20 kmph, pedestrians can walk safely in varied traffic conditions," the study noted, adding that of all the streets, excluding lanes, 83% have footpaths, and 65% have trees.

"Of these (streets excluding lanes), only 33% had both footpaths and were shaded by trees. These are the streets in Vasant Kunj, Vasant Vihar, and R K Puram. Because the streets in Vasant Kunj and R K Puram are mostly shaded by trees, the temperatures there are lower than those recorded in Mehrauli," stated the study.

It observed, "67% of the audited streets that are not shaded by buildings do not have footpaths or trees". The study also pointed out factors such as quality of footpaths, pavements, cleanliness, and maintenance, which impacts the walkability of the footpaths.

"The hike in temperature makes the need to ensure a comfortable walking experience more critical. Provision of amenities like water kiosks, water misting stations and seating areas that could help commuters manage in high temperatures have become an urgent necessity... People commuting on foot are most exposed to extreme temperatures. Studies conducted in urban areas show that street design, environment, green infrastructure like trees, shrubs and green belts and blue infrastructure like ponds, lakes and rivers help to regulate microclimates," stated Deepty Jain, assistant professor at IIT Delhi who along with Shabnam Khan authored the study.

The study suggested the several solutions are needed to address this situation, with the provision of amenities and shaded environments topping the list.

**Hinglish helps users engage more effectively on social media: IIT-Delhi study**


The researchers have also elaborated on Bollywood's influence on Hinglish evolution, with frequent references to famous actors contributing to Hinglish's spread.
A study by the Indian Institute of Technology (IIT) Delhi researchers has found that Hinglish helps users engage more effectively with a broader audience, with Bollywood significantly boosting its popularity.

Hinglish is a fusion language derived from monolingual Hindi and English, on social media, particularly ‘X’ (formerly Twitter).

The study titled ‘Social, economic, and demographic factors drive the emergence of Hinglish code-mixing on social media’ has recently been published in the Humanities and Social Sciences Communications (Nature Publications – nature.com/articles/s41599-024-03058-6).

The researchers at the Laboratory of Computational Social Systems (LCS2) led by Professor Tanmoy Chakraborty, electrical engineering at IIT Delhi conducted a thorough statistical and econometric study covering 260,000 posts on ‘X’ by 17,000 users and showed that more than 34 per cent of users prefer Hinglish to connect more effectively with their followers.

The study reveals that the Hinglish population has evolved steadily between 2014 and 2022, with an annualized growth rate of 1.2 per cent, and the usage of Hinglish on ‘X’ has increased annually by two per cent. This growth is driven by the desire for broader audience engagement and relatability, researchers say.
The researchers have also elaborated on Bollywood’s influence on Hinglish evolution, with frequent references to famous actors contributing to its spread.

The IIT Delhi study highlights socio-economic factors, such as living standards and internet activity, as key drivers of Hinglish adoption.

“Considering these external factors, we developed an econometric model to predict Hinglish’s future evolution. This model helps understand the broader implications of socio-economic conditions on language usage,” said the professor.

The researchers also delved into the dynamics of language use, showing that not all Hindi words are equally likely to be mixed with English. The context of the conversation often changes how words are used, with political ‘X’ posts exhibiting the highest level of code-mixing, followed by Bollywood and sports.

This insight into the contextual nature of Hinglish provides a deeper understanding of how language evolves in different settings. The researchers further addressed the challenges that Hinglish presents for natural language processing (NLP) technologies. Traditional NLP models, designed for monolingual data, struggle with the complexities of code-mixed languages like Hinglish.

They underscored the need for updated models that can handle the evolving semantics of Hinglish, highlighting the necessity for advancements in NLP to accommodate new language trends.

**IIT Delhi to host open house for all JEE Advanced qualified candidates on June 15**


IIT Delhi Open House: Faculty members from both the Delhi and Abu Dhabi campuses will also be available to address queries.
The Indian Institute of Technology (IIT) Delhi will be conducting an open house on June 15 for all the students who have qualified the Joint Entrance Examination (JEE) Advanced this year. Candidates willing to take admission at the Delhi campus in India and the Abu Dhabi campus in the UAE can attend the IIT Delhi Open House on June 15.

Also, the IIT Delhi Open House set to be held on June 18 for only the female and PwD candidates has been merged with the June 15 event. The IIT Delhi Open House for the JEE Advanced 2024 qualified female and PwD candidates was organised by the Initiative for Gender Equity and Sensitisation (IGES) and the Office of Accessible Education (OAE).

The Open House aims to provide the JEE Advanced qualifiers with an opportunity to engage one-on-one with deans from various divisions, including academics, student affairs and diversity and inclusion.

Faculty members from both the Delhi and Abu Dhabi campuses will also be available to address queries.

Attendees will gain insights into academic programs, career prospects, and available scholarships. Interaction with current students will offer a glimpse into campus life and the supportive community. The day will also feature a guided tour of the IIT Delhi facilities, including hostels, eateries, and research and teaching infrastructure.
IIT Bombay, Delhi listed under top 150 in QS World University Ranking 2025; MIT remains best varsity

In the QS World University Ranking 2025, IIT Bombay and IIT Delhi have achieved their highest rankings and feature among the world’s top 150.


In the latest edition of the QS World University Ranking released early Wednesday morning, 61 per cent of Indian universities’ ranking has improved, with IIT Bombay gaining the top spot in India. Globally, the Massachusetts Institute of Technology (MIT) retained the ‘best institute in the world’ position for the 13th time this year.

This year, the Indian Institute of Technology Bombay (IIT-B) has climbed from 149 in 2024 to 118 in the 2025 rankings, that is, a climb of 31 ranks.

Top ranked Indian institutes

Like last year, IIT Bombay is followed by IIT Delhi and the Indian Institute of Science (IISc), Bengaluru with the two institutes ranked second and third in India, respectively. While IIT Delhi climbed 47 ranks (from 197 last year to 150 this time), IISc jumped from 225 to 211 (14 ranks).

The Indian Institute of Technology Kharagpur (IIT-KGP) has achieved the fourth spot as it went from 271 in the 2024 rankings to 222 this time. IIT KGP is followed by IIT Madras which climbed 58 ranks (285 to 227) this year. IIT Madras has taken the position of IIT Kanpur this time, which has slipped to the sixth position, even after climbing from 278 to 263 this year.

One of the biggest improvements has been made by the University of Delhi (DU) which jumped 79 ranks — from 407 last year to 328 this year. The central university has improved its rank from ninth last year to seventh this time.

<table>
<thead>
<tr>
<th>CHANGE</th>
<th>2025 RANK</th>
<th>2024 RANK</th>
<th>Institution</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>↑ 31</td>
<td>118</td>
<td>149</td>
<td>Indian Institute of Technology Bombay (IITB)</td>
<td>Public Institution of Eminence</td>
</tr>
<tr>
<td>Rank</td>
<td>Change</td>
<td>Score</td>
<td>Rank</td>
<td>Change</td>
</tr>
<tr>
<td>------</td>
<td>---------</td>
<td>-------</td>
<td>------</td>
<td>---------</td>
</tr>
<tr>
<td>47</td>
<td>47</td>
<td>150</td>
<td>197</td>
<td></td>
</tr>
<tr>
<td>14</td>
<td>14</td>
<td>211</td>
<td>225</td>
<td></td>
</tr>
<tr>
<td>49</td>
<td>49</td>
<td>222</td>
<td>271</td>
<td></td>
</tr>
<tr>
<td>58</td>
<td>58</td>
<td>227</td>
<td>285</td>
<td></td>
</tr>
<tr>
<td>15</td>
<td>15</td>
<td>263</td>
<td>278</td>
<td></td>
</tr>
<tr>
<td>79</td>
<td>79</td>
<td>328</td>
<td>407</td>
<td></td>
</tr>
<tr>
<td>34</td>
<td>34</td>
<td>335</td>
<td>369</td>
<td></td>
</tr>
<tr>
<td>20</td>
<td>20</td>
<td>344</td>
<td>364</td>
<td></td>
</tr>
<tr>
<td>44</td>
<td>44</td>
<td>383</td>
<td>427</td>
<td></td>
</tr>
<tr>
<td>23</td>
<td>23</td>
<td>477</td>
<td>454</td>
<td></td>
</tr>
<tr>
<td>40</td>
<td>40</td>
<td>531</td>
<td>571</td>
<td></td>
</tr>
<tr>
<td>21</td>
<td>21</td>
<td>580</td>
<td>601-610</td>
<td></td>
</tr>
<tr>
<td>31</td>
<td>31</td>
<td>587</td>
<td>771-780</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>8</td>
<td>631-640</td>
<td>711-720</td>
<td></td>
</tr>
<tr>
<td>NEW</td>
<td></td>
<td>641-650</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>1</td>
<td>681-690</td>
<td>691-700</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>8</td>
<td>691-700</td>
<td>771-780</td>
<td></td>
</tr>
</tbody>
</table>
The Indian Institute of Technology Roorkee (IITR), Indian Institute of Technology Guwahati (IITG) and Anna University have achieved the 8th, 9th and 10th ranks, respectively.

Prof Devendra Jalihal, Director, IIT Guwahati, expressed his delight over the institute’s performance. He said, “This year-on-year improvement in IIT Guwahati’s global ranking is a testament to the relentless dedication and hard work of our faculty, students, and staff. Our commitment to excellence in education, research, and innovation continues to drive us forward. We are proud of this achievement and remain focused on further enhancing our global standing and contributing to the advancement of knowledge and technology.”

While Indian Institute of Technology Indore (IIT Indore), Indian Institute of Technology (BHU) Varanasi, Jawaharlal Nehru University (JNU), Shoolini University of Biotechnology and Management Sciences, Savitribai Phule Pune University also featured in the top 15 list, IIT Indore is the only institute which recorded a decline — from 454 in 2024 rankings to 477 in 2025 rankings.

This year, Symbiosis International (Deemed University) is a new entry in the top 20 (16th) as it found a place in the 641-650 rank of the 2025 QS Ranking.

Other universities in the top 20 are IIT-Hyderabad, Chandigarh University, National Institute of Technology Tiruchirappalli, and University of Mumbai respectively.

**How did India perform**

A total of 61 per cent of Indian universities have risen in rank this time, while 24 per cent have maintained their positions. On the other hand, 9 per cent have dropped in rank, and three universities are new entries to the rankings.

In terms of improvement, the University of Delhi — a Public Institution of Eminence — has made the most significant improvement nationally, climbing 79 places to reach the 328th position this time.

Additionally, out of the 11 Institutes of Eminence featured in the rankings, eight have risen, one remains stable, and one has dropped.
In this edition of the rankings, boasting 46 universities, the Indian Higher Education system is the seventh most represented globally and the third in Asia, trailing only Japan (49 universities) and China (Mainland) (71 universities).

India has one more university within the top 150 rankings, IIT Delhi (150th) and two more entries in the world’s top 400 with the University of Delhi (ranked 328th) and Anna University (ranked 383rd) making their debut in this tier. Considering only the higher education systems with more than 10 ranked universities, India is the second in Asia per percentage of improved rank positions, with 61 per cent, surpassed only by mainland China, with 69 per cent.

The area where India has made significant strides is research and international collaboration, which is evidenced by its performance in the Citations per Faculty indicator. With a score of 37.8, India surpasses the global average of 23.5, securing the second-highest position in Asia among higher education systems with more than 10 ranked universities, only trailing behind China (Mainland).

Anna University (100 score CpF) has emerged as the best in India in this category, closely followed by Indian Institute of Science (99.9 score CpF) at second and IIT Guwahati (97.6 score CpF) at the third rank.

However, India faces challenges in internationalisation. As per the latest QS ranking, India “lags in the International Faculty Ratio and International Student Ratio indicators, underscoring the need for greater international collaboration and exchange.” India’s score for the proportion of international students is a mere 2.9, significantly below the global average of 26.5. Similarly, the average score for the proportion of international faculty is 9.3. Additionally, India’s Faculty/Student ratio score of 16.2 is considerably lower than the global average of 28.1.

“As we navigate the rapid transformation brought about by the advancement of Artificial Intelligence, the global higher education landscape is evolving. At QS, our mission is to deliver insights and data-driven solutions that empower universities and students to excel in this dynamic 21st-century knowledge economy. The growing prominence of Indian higher education is evident, with 46 universities now ranked and 61% improving their positions. The bold implementation of India’s National Education Policy (NEP) demonstrates the nation’s commitment to modernising its education system and addressing challenges and leveraging opportunities,” Jessica Turner, QS Chief Executive said.

Turner added: “Taking this significant step towards fostering a learning environment that prepares students for future challenges is crucial. Emphasising sustainability, global engagement, and employability will be vital in shaping India’s higher education landscape. These elements will define future institutions and ensure their relevance and success. With the release of the 21st edition of the QS World University Rankings, we reaffirm our role as a trusted partner to the global higher education community. We are honoured to support India’s
higher education sector as it takes bold strides towards a future defined by academic excellence, impactful innovation, and global influence.”

**Global rankings**

For the 13th time in a row, MIT has secured the top rank this time, followed by UK’s Imperial College London which has improved its ranks from sixth to second this time.

The third rank is jointly achieved by Harvard University which climbed one rank, and University of Oxford which was at the third rank last year too.

<table>
<thead>
<tr>
<th>2025 Rank</th>
<th>2024 Rank</th>
<th>Institution</th>
<th>Country</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1</td>
<td>Massachusetts Institute of Technology (MIT)</td>
<td>United States</td>
</tr>
<tr>
<td>2</td>
<td>6</td>
<td>Imperial College London</td>
<td>United Kingdom</td>
</tr>
<tr>
<td>=3</td>
<td>4</td>
<td>Harvard University</td>
<td>United States</td>
</tr>
<tr>
<td>=3</td>
<td>3</td>
<td>University of Oxford</td>
<td>United Kingdom</td>
</tr>
<tr>
<td>5</td>
<td>2</td>
<td>University of Cambridge</td>
<td>United Kingdom</td>
</tr>
<tr>
<td>6</td>
<td>5</td>
<td>Stanford University</td>
<td>United States</td>
</tr>
<tr>
<td>7</td>
<td>7</td>
<td>ETH Zurich – Swiss Federal Institute of Technology</td>
<td>Switzerland</td>
</tr>
<tr>
<td>8</td>
<td>8</td>
<td>National University of Singapore (NUS)</td>
<td>Singapore</td>
</tr>
<tr>
<td>9</td>
<td>9</td>
<td>UCL</td>
<td>United Kingdom</td>
</tr>
<tr>
<td>10</td>
<td>15</td>
<td>California Institute of Technology (Caltech)</td>
<td>United States</td>
</tr>
</tbody>
</table>

(Source: QS Quacquarelli Symonds)

University of Cambridge, however, has fallen from the second rank last year to fifth this time. Stanford University, too, fell from fifth in 2024 rankings to sixth in the 2025 QS ranking.

ETH Zurich – Swiss Federal Institute of Technology, National University of Singapore (NUS), and UCL have retained their seventh, eighth and ninth spots respectively. Interestingly, California Institute of Technology (Caltech) has climbed from 15th last year to the 10th spot this time. Additionally, ETH Zurich has been named Continental Europe’s top institution for seventeen consecutive years.

For the compilation of the 2025 QS World University Rankings, QS claims to have analysed 17 million research papers, 176 million citations, data from 5,600 institutions worldwide and insights from 175,798 academics and 105,476 employers.
Faridabad: IIT-Delhi to study water crisis in Haryana’s industrial city

Faridabad needs 450 MLD water daily, but is supplied only 325 MLD


The Indian Institute of Technology-Delhi (IIT-Delhi) will conduct a detailed technical analysis-cum-survey of the Faridabad Metropolitan Development Authority (FMDA) main supply lines of drinking water in the city to effectively deal with the problems associated with the lines.
There is a shortage of around 125 million litres per day (MLD) of water in the city and a number of irregularities are being reported in the present system. Around 300 to 325 MLD water is being supplied against a demand of 450 MLD, according to the authorities.

According to sources in the district administration, the decision of taking help from institutions and agencies like the IIT had been taken earlier this year. The FMDA had been preparing a detailed plan of the water supply system in the city after taking over the main lines from the Faridabad Municipal Corporation, about a year ago.

Problems like pilferage and leakage of water, resulting in shortage of supply in various parts of the city especially in summers, were being reported in the present system, said an official of the civic body on the condition of anonymity. He said while a substantial part of the system required upgrade, the leakage problem had been acute in many areas perhaps due to lack of maintenance and repairs.

“The technical analysis will not only reveal the affected areas, but also suggest the required measures that need to be taken to meet the demand of water supply as per the Master Plan of 2031,” said Vishal Bansal, Chief Engineer, FMDA. He said as the analysis is likely to be taken up soon and will be completed in around three months. Claiming that it will help in resolving the problems, he said the gap between demand and supply will also be reduced with it.

Though this industrial city has a total of about seven lakh units, including residential and commercial, which had been availing water facility, it is reported that only 2.75 lakh units are registered, and the rest are illegal. Majority of such connections are located in slum areas, densely populated colonies and villages lying within the civic limits, it is reported. It is claimed that tankers and private water supply mafia, enjoying political patronage, have been exploiting water supply sources resulting in short supply or unavailability of water in many areas.
The Indian Institute of Technology, Delhi (IITD) is preparing to begin its first undergraduate (UG) programmes at its newly established Abu Dhabi campus. Beginning with the 2024-25 academic year, the campus will offer two new undergraduate courses: B.Tech. in Computer Science and Engineering and B.Tech. in Energy Engineering, each with an initial enrollment of 30 students.

There are two main approaches by which admissions for these courses will be handled. Up to ten seats in each discipline will be reserved for candidates who pass the JEE Advanced exam. The remaining 20 seats will be filled via the Combined Admission Entrance Test (CAET), a new exam designed exclusively for students in the UAE and introduced by IIT Delhi.

JEE Advanced-qualified applicants can apply for the Abu Dhabi campus through a dedicated portal linked to the IIT Delhi website, after the results are released. Applications for both JEE Advanced and CAET will be assigned seats through this distinct platform, which will manage the procedure instead of using the JoSAA portal.

JEE Advanced-qualified applicants can apply for the Abu Dhabi campus through a dedicated portal linked to the IIT Delhi website, after the results are released.

The CAET test, administered by the JEE Office at IIT Delhi, is scheduled for June 23, 2024, in multiple locations around the UAE (Representational/ File Photo)
The usual IIT Delhi campus category-wise fees will be the only financial obligation for students enrolled through JEE Advanced. All other costs will be covered. Furthermore, these students will be given a monthly stipend of AED 2000 in addition to free double occupancy hostel housing. Meals will be provided at subsidised rates. Students will also be given a yearly travel allowance of AED 4000. Comprehensive medical insurance and other welfare benefits will be offered to the candidates.

The CAET test, administered by the JEE Office at IIT Delhi, is scheduled for June 23, 2024, in multiple locations around the UAE. Candidates who live in the United Arab Emirates, including foreign students as well as nationals and expats, are eligible to take the test. Registration for the programme is available until June 10, 2024, at admissions.abudhabi.iitd.ac.in/application/caet-2024.

A Memorandum of Understanding (MoU) signed on July 15, 2023 by the Abu Dhabi Department of Education and Knowledge (ADEK), IIT Delhi, and the Indian Ministry of Education led to the establishment of IIT Delhi-Abu Dhabi campus.