A high-level team from the IIT Delhi has recently concluded a visit to Abu Dhabi and held extensive discussions with ADEK officials and other stakeholders in the UAE.

The Indian Institute of Technology (IIT) Delhi has identified the Department of Education and Knowledge Abu Dhabi (ADEK) as its partner for setting up the IIT’s prestigious new campus in the UAE’s capital city, according to the Indian Ministry of External Affairs.

In the meantime, the Minister of State for Education, Subhas Sarkar, has informed the Lok Sabha, the lower House of India’s Parliament, in writing that plans are going ahead to speedily establish the IIT campus in Abu Dhabi.

“The Department of Education and Knowledge, Abu Dhabi was identified as the relevant UAE authority for this purpose. In the first ADEK-IIT meeting, both sides made presentations about their respective organizations and conveyed their eagerness and enthusiasm to move forward with this project,” Sarkar said.

Detailing the sequence of events and progress of the IIT’s UAE outreach, the Indian Minister informed Parliament: “In the second ADEK-IIT meeting, ADEK invited representatives from the Department of Economic Development and from the Advanced Technology Research Council who made presentations on the economic vision and the research priorities of Abu Dhabi respectively. On a request from ADEK, IIT Delhi made a presentation on the model followed for mentoring new IITs by the older IITs and shared its experiences in mentoring IIT Ropar and IIT Jammu.”

At its 53rd Convocation three weeks ago, IIT Delhi announced: “IIT Delhi has been in discussions with the Department of Education and Knowledge, Abu Dhabi on various aspects of the proposed IIT in Abu Dhabi. A working group comprising faculty members at IIT Delhi and experts at ADEK has been constituted and this group has had several meetings. A team from ADEK visited IIT Delhi and familiarised themselves with various aspects of the functioning of an IIT. A team from IIT Delhi also travelled to Abu Dhabi and visited various universities and research institutions in the Emirate to get a sense of the research and education landscape in the region. The working group is engaged in developing a detailed project report and expects to finalise it in a few months.”

The detailed statement during the Convocation, the most important annual platform of every educational institution, is an indication of the importance being given by IIT Delhi to its plans for a campus in the UAE.
Indian Institute of Technology, Delhi (IIT-D) is the only Indian educational institution among top 50 in the Global University Employability Rankings by Times Higher Education (THE).

The Global Employability University Ranking and Survey (GEURS) reveals the world’s top 250 universities for producing employable graduates according to recruiters. It is produced and owned by the higher education HR consultancy Emerging and published exclusively by THE.

Among Indian institutions, the Indian Institute of Science (IISc), Bengaluru is at the second spot (58), improving its ranking by three positions, followed by IIT-Bombay at 72, up from 97 in 2021. The latest THE Rankings have five Indian institutions in top 200 and a total of seven in top 250.

MRI shows significant brain abnormalities post-COVID: IIT Delhi study

Neurological symptoms associated with long COVID include difficulty thinking or concentrating, headache, sleep problems, lightheadedness, pins-and-needles sensation, change in smell or taste, and depression or anxiety.

Using a special type of MRI, researchers at the Indian Institute of Technology (IIT) Delhi have uncovered brain changes in patients up to six months after they recovered from COVID-19. Studies have shown that about one in five adults go on to develop long-term effects from COVID-19.

Neurological symptoms associated with long COVID include difficulty thinking or concentrating, headache, sleep problems, lightheadedness, pins-and-needles sensation, change in smell or taste, and depression or anxiety.

However, studies have found that COVID-19 may be associated with changes to the heart, lungs or other organs even in asymptomatic patients. The latest study, being presented next week at the annual meeting of the Radiological Society of North America (RSNA), used susceptibility-weighted imaging to analyse the effects that COVID-19 has on the brain.
Magnetic susceptibility denotes how much certain materials, such as blood, iron and calcium, will become magnetised in an applied magnetic field. This ability aids in the detection and monitoring of a host of neurologic conditions including microbleeds, vascular malformations, brain tumours and stroke.

"Group-level studies have not previously focused on COVID-19 changes in magnetic susceptibility of the brain despite several case reports signaling such abnormalities," said study co-author Sapna S Mishra, a Ph.D. candidate at IIT Delhi. "Our study highlights this new aspect of the neurological effects of COVID-19 and reports significant abnormalities in COVID survivors," Mishra said in a statement.

The researchers analysed the susceptibility-weighted imaging data of 46 COVID-recovered patients and 30 healthy controls. Imaging was done within six months of recovery.

Among patients with long COVID, the most commonly reported symptoms were fatigue, trouble sleeping, lack of attention and memory issues, the study found. "Changes in susceptibility values of brain regions may be indicative of local compositional changes," Mishra said.

"Susceptibilities may reflect the presence of abnormal quantities of paramagnetic compounds, whereas lower susceptibility could be caused by abnormalities like calcification or lack of paramagnetic molecules containing iron," she added.

MRI results showed that patients who recovered from COVID-19 had significantly higher susceptibility values in the frontal lobe and brain stem compared to healthy controls, the researchers said.

The clusters obtained in the frontal lobe primarily show differences in the white matter, they said.

"These brain regions are linked with fatigue, insomnia, anxiety, depression, headaches and cognitive problems," Mishra said.

Portions of the left orbital-inferior frontal gyrus and right orbital-inferior frontal gyrus, and the adjacent white matter areas made up the frontal lobe clusters.

Left orbital-inferior frontal gyrus is a key region for language comprehension and production, and right orbital-inferior frontal gyrus is associated with various cognitive functions including attention, motor inhibition and imagery, as well as social cognitive processes.

The researchers also found a significant difference in the right ventral diencephalon region of the brain stem.

This region is associated with many crucial bodily functions, including coordinating with the endocrine system to release hormones, relaying sensory and motor signals to the cerebral cortex and regulating the sleep-wake cycle.

"This study points to serious long-term complications that may be caused by the coronavirus, even months after recovery from the infection," Mishra said.

"The present findings are from the small temporal window. However, the longitudinal time points across a couple of years will elucidate if there exists any permanent change," he added.
The researchers are conducting a longitudinal study on the same patient group to determine whether these brain abnormalities persist over a longer time frame.

**IIT Delhi's extension campus to open on 50 acres of Jhajjar's Badsa village**


Haryana Chief Minister Manohar Lal Khattar said an extension campus of IIT Delhi would be set up on 50 acres of land in Badsa village in Jhajjar district. The Chief Minister held a meeting regarding the establishment of this campus with the officials of IIT Delhi at Haryana Bhawan in Delhi today.

In the meeting, Principal Secretary to Chief Minister, V Umashankar; Principal Secretary, Higher and Technical Education, Vijayendra Kumar; Director, Technical Education, Rajiv Rattan; Director, IIT Delhi, Prof Rangan Banerjee and other faculty members of IIT Delhi were present.

During the meeting, the CM approved the proposal of setting up an extension campus of IIT Delhi at Badsa village in Jhajjar. He assured the team of IIT Delhi that the Haryana Government would extend complete cooperation in setting up the campus. He said with this initiative, new health care technologies would be developed by incorporating the data of patients received from National Cancer Institute in Badsa. Apart from MSc, PhD, different types of certificate courses would also be introduced on the campus. These special courses and training programmes would impart and enhance skills of youth and create various employment opportunities for them in Haryana, he added.

Khattar said this campus would become India’s first centre for precision medicine. Precision medicine is research required to develop medicine according to a particular patient. This initiative would also benefit our pharma companies to develop new medicines for cancer patients on the basis of research by medical experts at National Cancer Institute and technical experts from IIT Delhi.
The Chief Minister added that technology to perform better in sports and prevention of injury would also be developed in this campus to help players perform better. He suggested that the technology and research to be developed for the sportspersons should be developed in coordination with Sports University in Rai (Sonepat) so that they can get maximum benefit out of it.

It was apprised in the meeting that this campus would develop techniques for the treatment of cancer patients by using medical imaging and artificial intelligence so that the origin of cancer tissue could be detected and removal of the entire organ affected by cancer could be avoided. Besides, research work on dental implants, hip-protection devices in the elderly, prosthetic knee joints, etc. would continue in the campus to explore new technology required from time to time with the help of technical experts of IIT Delhi.

Four startups led by IIT-Delhi students win grant of ₹50 lakh each

Four startups led by IIT-Delhi students have won a grant of ₹50 lakh each under the Endowment Nurture Fund Initiative of IIT-Delhi.

Four start-ups led by IIT-Delhi students have won a grant of ₹50 lakh each under the Endowment Nurture Fund Initiative of IIT-Delhi.

The fund launched by the IIT-Delhi Endowment Management Foundation was set up to provide a cushion to IIT-Delhi’s student teams to take risk and experiment with innovative ideas, products or business models that in turn helps spread the culture of innovation and entrepreneurship among the student community.

Entrepreneurial ambitions

Speaking about the Endowment Nurture Fund initiative, P.V.M. Rao, Dean, Alumni Relations at IIT-Delhi, said, “Many students are relinquishing placement option to start ventures immediately after their graduation. The Endowment Nurture Fund will encourage such students to pursue their entrepreneurial ambitions”.

The startups are – Circle which is a financial wellness product for organisations to provide daily salary and low-cost retirement to their employees; Bag-It which is an on-demand platform for wholesalers that digitises the jewellery supply chain for the benefit of retailers; Onpery which is a menstrual health start-up that aims to make green menstruation adaptable and accessible to the masses; and I-Stem which provides digital content accessibility solutions through which universities and enterprises are making their digital infrastructure accessible for persons with disability.
IAF airships, drone tech quantum comms: IIT-D powers slew of inventions (IANS Interview)


Be it the Indian Army, Air Force or in the field of drone technology, IIT-Delhi is working closely with DRDO and the government. In an exclusive interview with IANS, Director of IIT-Delhi, Ranjan Banerjee, talked about a few such initiatives.

Here are the excerpts from the interview:

Q: IIT-Delhi is helping the Indian Armed Forces and is a major partner of DRDO, what are the latest inventions and the areas where IIT-Delhi is helping the Indian Defence sector.

A: IIT-Delhi has developed a lightweight bullet-proof jacket. Recently Indian Air Force signed an MoU with IIT-Delhi for various development projects to support the requirement of the IAF. We are looking for a technical textile. Indigenous fire resistance suits. We have airships, we are working with DRDO for the material of these airships. We are also working on quantum technology and quantum communication. We were one of the few academic institutes. In the Defence Expo, one of our faculty-related startups received an award from the Prime Minister in the field of innovation.

Q: The drone technology is in talk these days, what IIT-Delhi is doing to develop advanced drones and drone technology?

A: We have a hub for cobotics, 'cobotic' means collaborative robotics and the 'drone' is one of the areas. In Sonipat (Haryana) we are creating a drone facility, including drone pilot training, drone simulation, we are planning next year to start M.Tech in robotics. We have a Centre of Excellence in bio-inspired robots, there are so many startups in drones, which are coming from our alumni and our research students. We are supporting DST, we have been identified as a national hub.

Q: What IIT-Delhi is doing for cybersecurity-related things?

A: Yes, we are doing a lot in cybersecurity. We have specialised in an M.Tech course for cybersecurity. We train people who will be in organisations, who will be tackling all cybercrime-related things. Department of Telecom Communication R&D centre C-DOT and IIT Delhi have signed MoU for cooperation in various areas of telecom spanning and 5G and beyond technologies.

Q: Is IIT-Delhi looking forward to working with foreign universities, especially in the field of academic collaboration?

A: There are a large number of institutions and foreign universities with whom IIT-Delhi has done academic collaboration. There are American universities, European universities, universities from England, Australia, Taiwan University and many others. The University of Queensland of Australia is the largest one. IIT-Delhi has joint PhD programmes with many foreign universities. With Taiwan, IIT-Delhi has done a collaboration for a joint degree. We have also collaborated with many foreign universities in the field of research.
Q: It will not be wrong if we say that IIT-Delhi is one of the main institutes for artificial intelligence. What is IIT-Delhi doing on artificial intelligence?

A: We have an alumni-funded school for artificial intelligence. We have master programmes for artificial intelligence and in machine learning. We are looking at a large number of research projects because artificial intelligence goes into many areas.

Q: Has IIT-Delhi prepared and planned to bring some new courses from the next academic session?

A: Yes, from next session there will be many new courses. As I told you, M.tech in Robotic is one of the new courses. We are planning to have a B.Tech in Design, we started a Bachelor of Design but now we are also looking at Bachelor of Technology in Design, which will start from next year.

Q: Even during the Covid-19 period, IIT-Delhi came with its new innovations and research. Can you share a few research and inventions of IIT-Delhi which will help common people in the coming days?

A: We have done a large number of things for differently-abled people. We have translated all the CBSE books, we have specialised technology so the visually challenged can actually read and convert these books.

In another invention we have made a smart cane. If there is a person who is unable to see. He or she can use that cane. That cane looks at obstacles and gives signals. There are a whole host of things which we are doing.

**QS Asia University Rankings 2023: IIT Bombay, IIT Delhi in Top 50, 19 Indian varsities featured in Top 200 list**


**QS Asia University Rankings 2023 have been released! For India, IIT Bombay and IIT Delhi have made their way to the Top 50 list. A total of 19 Indian varsities have been featured in the Top 200 list this year.**

QS Asia University Rankings 2023 have been released! For India, the IITs continue to shine. Indian Institute of Technology, IIT Bombay and IIT Delhi have made it to the Top 50 list for Top Universities in Asia. IISc Bangalore has comes in third for the Top Universities in India. Apart from this, a total of 19 Indian Universities have made their way to the Top 200 list.

For QS Asia University Rankings 2023, IIT Bombay stands at the 40th position overall and at the top for India. Following IIT Bombay is IIT Delhi stands at the 46th position. Both the IIT’s have been featured in the Top 50 list for the top universities in Asia.
### QS Asia University Rankings 2023 for India

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<thead>
<tr>
<th>Rank</th>
<th>Name of University</th>
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<tr>
<td>40</td>
<td>IIT Bombay</td>
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<td><strong>46</strong></td>
<td><strong>IIT Delhi</strong></td>
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<td>Jawaharlal Nehru University</td>
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<td>124</td>
<td>IIT Guwahati</td>
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<td>173</td>
<td>Vellore Institute of Technology, VIT</td>
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<td>University of Calcutta</td>
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<td>BITS Pilani</td>
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<td>188</td>
<td>Jamia Millia Islamia</td>
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<td>200</td>
<td>Amity University Noida</td>
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As per the list, all Indian universities mentioned have improved in terms of their Academic Reputation and the International Research Network. QS Asia University Rankings 2023 were released on November 8, 2022 by the international ranking agency - Quacquarelli Symonds

For the QS Rankings 2022, universities have been scored on the basis of their Academic Reputation, Employer Reputation, Faculty to Student Ratio, Faculty Staff with PhD, Papers per faculty, citations per paper, International Research Network, International Faculty, International Students, Inbound and Outbound exchange.

**IIT-D likely to be House knowledge partner; keep MPs updated on 5G, climate**


*IIT Delhi, known not only in the country but all over the world for its excellent research and innovations, is likely to become a 'Knowledge Partner' of the Parliament.*

As a 'Knowledge Partner', experts from IIT Delhi would share crucial information on topics such as 5G technology, communication technology, pollution, and climate change with MPs.

Director of IIT Delhi, Ranjan Banerjee told IANS that being located in the national capital and being a national institute, an initiative has been taken up for this. "We have discussed this with the Union Education Ministry, and the ministry has approved the proposal," he said.

Most importantly, there will be no language barrier while sharing information, research, and knowledge of new inventions with MPs. It would be made available to MPs in English, Hindi, and regional languages as well.

The proposal for becoming a 'Knowledge Partner' has been sent by IIT Delhi through the Education Ministry. Under the initiative, different groups of professors from the institute would engage with MPs on important issues and enhance their knowledge on a range of subjects.

Under the initiative, experts from IIT Delhi would meet the parliamentarians and provide them with first-hand information about new technology and innovations in various fields.

MPs would be apprised of the latest technology to reduce air and water pollution, modern methods of waste disposal, waste-to-electricity generation, and measures to deal with climate change among others.

IIT Delhi is already working with the government to combat air pollution. The institute is associated with 'Delhi Research Implementation and Innovation' (DRIIV), an initiative of the Office of the Principal Scientific Adviser to the Government of India, to fight air pollution in the national capital.

IIT Delhi's Centre of Excellence for Research in Climate Change and Air Pollution has partnered with the Centre for the DRIIV initiative.

Under DRIIV, IIT Delhi is conducting a technology pilot called Project SAMEER (Solutions for Air-pollution Mitigation through Engagement, Engineering, and Research) in Delhi-NCR from November 2022 to February 2023.
Interestingly, IIT Delhi is also trying to break the language barrier as the institute believes that language should not become a barrier in the way of learning. It was established a Hindi cell for this.

According to the Director of IIT Delhi, Hindi cell has been formed and soon efforts will be made to include Hindi in teaching and learning.

**IIT Delhi conducts 53rd Annual Convocation Ceremony, 2100 students awarded degrees and diplomas**


*IIT Delhi conducted its 53rd Annual Convocation Ceremony on November 5, 2022. Highlights of the convocation ceremony held yesterday can be checked here.*

Indian Institute of Delhi, IIT Delhi conducted its 53rd Annual Convocation Ceremony yesterday, November 5, 2022. A total of 2100 graduating students were awarded degrees and diplomas at the convocation ceremony. For the first time, Degrees and diplomas were to the students graduating in Joint Ph.D. (IIT Delhi and NYCU, Taiwan), joint PG Diploma in Visionary Leadership for Manufacturing (jointly with NITIE Mumbai), MS (R) in Sensors, Instrumentation, and Cyber-Physical Systems Engineering, M.Sc. in Cognitive Science, and M.Sc. in Economics.
IIT Delhi in the convocation awarded the President’s Gold Medal, Director’s Gold Medal, Dr. Shankar Dayal Sharma (Former President of India) Gold Medal, PerfectTenGoldMedal, and Institute Silver Medal to the meritorious students.

Addressing the students, the chief guest said, "You are some of the select students. You have crossed so many hurdles to get here. The nation needs you. Nehru had great faith in the technology. And he thought that somehow having an elite, such as you are, would transform the nation. And we needed that transformation. I entirely endorse Nehru’s vision that if there is a justification for the IITs, it has to be in terms of what you can do for the nation“.

“We need people like you to provide that extra edge that we need to be the nation that we aspire to be. For that, I have to say that I want you to not stop now. Keep trying to transform”, he further said.

Dr. R. Chidambaram, Chairperson, Board of Governors, IIT Delhi, said, “The IIT system, as I have often said, has a very high global brand equity; and among the IITs, IIT Delhi is ranked at the top. We have world-class faculty, who continue to get recognitions from within India and abroad. We have leading research workers in IIT Delhi in various advanced research areas in the engineering sciences and others, ranging from hightechnology fields to pure sciences, and also social sciences, along with the interaction of the latter with science and technology.”

He further added, “Uniquely, India now is an economically developing country, where parts of the S&T system are highly developed, like Space and Nuclear, some areas of Defence, Knowledge Chemicals, etc., and we have world class academic institutions like the IITs”. In the convocation ceremony, the institute honored its thirteen esteemed alumni with the prestigious Alumni Awards 2022 viz. Distinguished Alumni Award (DAA), Graduates of Last Decade, GOLD Award and Distinguished Alumni Service Award, DASA.

**At IIT-Delhi, increase in new admissions, decline in UG graduates**


**According to the data, postgraduate (non PhD) courses have the most number of female candidates this year (266), whereas the number of male students is 1155.**

A significant rise in the number of students enrolling at the Indian Institute of Technology, Delhi (IIT-D) was observed from 2021-22 to 2022-23. The number went up from 10,439 in 2021-22 to 12,098 in 2022-23.

Interestingly, the number of students registered is higher than pre pandemic years — 8,971 in 2018-19, 9793 in 2019-20 and 10,900 in 2020-21.

However, there has been a decline in the number of total degrees awarded this year. In the 2021-22 session, a total of 2100 degrees were awarded, which is a decrease from 2117 in 2020-21.

Not just overall, but there has also been a decline in the number of undergraduate students who cleared their programme this year. The number of PG degrees awarded slipped to 909 this year, from 986 in 2020-21.
However, the number of PhD degrees awarded has increased to 307 this year from 288 last year, and the number of awarded UG degrees has also increased from 843 to 884 this year.

“This year the PhD degree (including joint) would be awarded to over 300 graduates, other post-graduate degrees (MS (R), MTech, MDes, MBA, PG-DIIT, and Joint PG Diploma) and UG degree and diploma amount to close to nine hundred each. These numbers reflect our continuing expansion,” the institute said.

According to the data, postgraduate (non PhD) courses have the most number of female candidates this year (266), whereas the number of male students is 1155. In undergraduate courses, 253 female candidates were given admission, in comparison to 973 male students. PhD programmes have 215 female incoming students and 406 male candidates.

Additionally, the institute has launched five new programmes at UG and PF levels that include Bachelor of Design (BDes), MS (R) in Machine Intelligence and Data Science (MINDS), MS (R) in Transportation Safety and Injury Prevention, MTech in Biomolecular and Bioprocess Engineering, and MTech in Machine Intelligence and Data Science (MINDS).

**IIT Delhi to seek public view on new curriculum for 2023**


Ahead of the 53rd convocation on Saturday, IIT Delhi director Rangan Banerjee said the institute was working towards preparing a new curriculum for the next academic session. Besides seeking feedback from the students and the faculty, suggestions will also be sought from public, Banerjee said.

“The curriculum review committee has provided its first concept note. We have basically developed the features that should be there in the new curriculum. The committee has now gone to each of the departments and we are also getting feedback from students, after which we will have a draft. It will be placed in front of the society and we are thinking of how to do this, maybe we have something like a town hall. The idea is to have a new curriculum in 2023,” Banerjee explained.

This year, the convocation of Indian Institute of Technology Delhi will see degrees being handed out to 2,100 students, including 307 PhD scholars, with Nobel Laureate Abhijit Banerjee as its chief guest.

Banerjee also said the institute would carry out an outreach programme for parliamentarians to enhance policymaking decisions. “We have a role in providing inputs to policy-makers so that a policy can be based on an understanding of what is happening,” he clarified. “Groups of faculty members will go to Parliament and speak to MPs — be it on AI-ML, 5G or air quality. Discussions will be essentially on what research says and the modalities are being worked out. It will also help us connect and know what our representatives are concerned about.”
Focusing on the importance of multi-institutional and multidisciplinary collaborations, Banerjee said degrees would be awarded this year in new programmes like MSc economics, MSc cognitive science, MS (R) in sensors, instrumentation and cyberphysical systems engineering and so on.

The institute has also initiated major infrastructural projects, including constructing more hostels and an academic block. The development of the Jhajjar complex is underway, where a healthcare hub is proposed to come up.

Regarding setting up an IIT in Abu Dhabi, Banerjee said the modalities were in the works and the progress would be shared over the next few months.

On the intake of international students, IIT Delhi officials said that while there had been a dip in the past two years due to the pandemic, the institute was in touch with embassies and other stakeholders to facilitate admissions from the March cycle.

**Indian Institute of Technology Delhi to set up offshore campus in Abu Dhabi**


**Many other IITs are receiving offers from Middle East and South Asian countries for setting up their offshore campuses**

The Indian Institute of Technology (IIT) Delhi is set to open its offshore campus in Abu Dhabi. As per IIT Delhi, the international IITs will run for minimum 10 years by the founding IITs, that is, IIT Delhi, Madras, Kharagpur, among others.

A panel has earlier suggested that the best governance system from anywhere in the world including the governance structure of IITs be adopted for these institutes. The governance structure, it claimed, should be such that while the connection with the mentoring IITs is maintained, any kind of approval from the mentoring IIT or the Indian government should not be required.

Along with IIT Delhi, many other IITs are receiving offers from Middle East and South Asian countries for setting up their campuses. IIT Madras is looking at the option of opening its campus in Tanzania while IIT Kharagpur is exploring options in Malaysia.
Prof. Rangan Banerjee, Director, IIT Delhi, while addressing the media on Friday, said that 2100 graduating students would be awarded degrees and diplomas at the convocation ceremony.

The 53rd Annual Convocation Ceremony of IIT Delhi will be held on November 5. Prof. Abhijeet Banerjee, Nobel Laureate, Economic Sciences 2019, and Ford Foundation International Professor of Economics at the Massachusetts Institute of Technology (MIT) will be the Chief Guest on the occasion.

Prof. Rangan Banerjee, Director, IIT Delhi, while addressing the media on Friday, said that 2100 graduating students would be awarded degrees and diplomas at the convocation ceremony.

Degrees and diplomas will be awarded for the first time to the students graduating in the following new programs: Joint PhD (IIT Delhi and NYCU, Taiwan), joint PG Diploma in Visionary Leadership for Manufacturing (jointly with NITIE Mumbai), MS (R) in Sensors, Instrumentation, and Cyber-Physical Systems Engineering, M.Sc. in Cognitive Science, and M.Sc. in Economics.

The Institute will award the President’s Gold Medal, Director’s Gold Medal, Dr. Shankar Dayal Sharma (Former President of India) Gold Medal, Perfect Ten Gold Medal, and Institute Silver Medal to the meritorious students.
IIT Delhi will honor its thirteen esteemed alumni with the coveted Alumni Awards 2022 viz. Distinguished Alumni Award (DAA), Graduates of Last Decade (GOLD) Award, and Distinguished Alumni Service Award (DASA) at the 53rd convocation.

**IIT Delhi, DRIIV collaborate to control air-pollution levels in Delhi-NCR region**


DRIIV (an initiative of the Office of the Principal Scientific Adviser to the Government of India) is conducting a technology pilot - Project SAMEER (Solutions for Air-pollution Mitigation through Engagement, Engineering, and Research) in Delhi-NCR from November 2022 - February 2023. This is a first of its kind initiative, bringing together local Government authorities, IIT Delhi researchers, tech startups, corporates, NGOs and communities to collectively address the air pollution menace in the winter months.

Prof. Sagnik Dey, Institute chair professor, Centre for Atmospheric Sciences, IIT Delhi will assess the impact of the technology interventions made under project SAMEER to fight the air pollution.

“Air pollution is the largest environmental and health concern in India. It is connected with almost all SDGs, like economic growth, health burden, cognitive impairment, loss in solar power (1GW) due to aerosol, climate change etc. Without public support, mass awareness and technology interventions, the issue of air pollution cannot be resolved. As part of project SAMEER, we will explore the impact of various air pollution mitigation technologies at hotspots of Delhi-NCR and promote clean air practices”, says Prof. Dey.