Women are the real architects of society.

Harriet Beecher Stowe
IIT Delhi Launches Executive Programme In Robotics For Professionals, Know More!

Learn robotics from industry experts at IIT Delhi's Executive Programme. Gain leadership skills, technical knowledge, and practical applications in just 5 months. Enroll now!

The Indian Institute of Technology Delhi (IIT Delhi) has recently launched the Executive Programme in Robotics. This program aims to provide professionals with the necessary skills and knowledge to thrive in the ever-changing field of robotics.

The Robotics Executive Programme provides professionals with a blend of managerial knowledge and technical skills to enhance their leadership abilities, increase productivity, and foster growth. The programme has a duration of five months and consists of 120 hours of online learning.

The program will cover the fundamental aspects of robotics, including mechanical components, sensors, and AI. It will be delivered through the Interactive Learning platform, which utilizes the Direct-to-Device mode. Additionally, participants will gain knowledge about the practical applications of robotics in various sectors such as healthcare and manufacturing.

Speaking on the announcement, Prof. Arnab Chanda, Assistant Professor, IIT Delhi said, “Robotics and AI are transforming industries all over the world. The impact of robotics can be seen in various fields such as manufacturing, medicine, logistics, agriculture, defence, and more. To keep up with the technological advancements in this field, IIT Delhi’s Executive Programme in Robotics is a unique opportunity for professionals, engineers or entrepreneurs.”

Echoing Prof. Biswarup Mukherjee, Assistant Professor, IIT Delhi said, “The Executive Programme in Robotics offers more than just traditional classroom teaching. Participants get hands-on experience and exposure to real-world applications of robotics technology. This programme enables them to create robotic devices from scratch, implement programming, and effectively utilise the operating system.”

The Robotics Market is expected to reach approximately USD 45.85 billion in 2024 and is predicted to grow to USD 95.93 billion by 2029, with a compound annual growth rate (CAGR) of 15.91% from 2024 to 2029.
According to a report by Forbes, AI and Robotics are increasingly being employed in various industries such as manufacturing, medicine, and hospitality. Advances in this field have led to the development of robots that can perform hazardous tasks or work on construction sites, thereby avoiding potential danger to human workers. Moreover, a LinkedIn report reveals that the use of robotics has enhanced productivity and reduced errors, promoting a collaborative relationship between humans and robots.

IIT Delhi launches certificate programme on EVs, charging infrastructure


The five-month online learning programme by IIT Delhi, comprising 55 hours, is geared towards mid-career professionals, equipping them with essential skills to thrive in the rapidly growing electric vehicle industry.

IIT Delhi launches certificate programme on EVs, charging infrastructure

In Short

- IIT Delhi launches 2nd batch of EV certificate program for skilled professionals
- Programme equips mid-career learners with essential EV industry skills
- Course includes 55-hour online learning, emphasizing sustainability

The Indian Institute of Technology Delhi (IIT Delhi) has unveiled the commencement of the second batch of its certificate programme focusing on the fundamentals of electric vehicles (EVs) and charging infrastructure. This initiative seeks to address the escalating demand for specialised and skilled professionals amidst the burgeoning electric vehicle era in the Indian automotive industry.

The certificate programme, tailored to the context, is designed to meet the dynamic and evolving demands of this emerging sector, coinciding with the Government of India's policies and initiatives poised to catalyse another green revolution.

EXPANSION OF EV MARKET

Projections indicate that the country's EV market is set to expand at a compound annual growth rate (CAGR) of 49 percent from 2022 to 2030, with annual sales of EVs potentially surpassing one crore units in 2030, leading to the generation of five crore direct and indirect jobs by the same year.
The five-month online learning programme, comprising 55 hours, is geared towards mid-career professionals, equipping them with essential skills to thrive in the rapidly growing electric vehicle industry.

**MAIN EMPHASIS**

The programme emphasises the development of new products, processes, and infrastructure that promote sustainability and environmental protection. The inaugural cohort exhibited a diverse array of industry backgrounds, with 20 per cent originating from the electrical and electronics sector, followed by the automotive and energy domains at 16 per cent each. Notably, the computer networking, software, and IT industries contributed 14 per cent, indicating a strong inclination towards technology-driven solutions in the electric vehicle domain.

Professionals from sectors such as Sales & Marketing Services, Design & Education, and Mining & Metals each constituted 6 per cent, with the remainder hailing from various industries, underscoring the programme's broad appeal across diverse professional realms. Participants also had the unique opportunity to visit and engage at the Centre for Automotive and Tribology Lab at IIT Delhi, where they crafted batteries and gained insights into battery design fundamentals under faculty tutelage.

Speaking at the announcement, Santanu Kumar Mishra, Professor at IIT Delhi, expressed pride in introducing the Certificate Programme on Fundamentals of EVs and Charging Infrastructure, aiming to provide professionals with a transformative learning experience in mastering the intricacies of electric vehicles.

He emphasised the institute's commitment to empowering learners to emerge as pioneers in the realm of electric transportation, fostering innovation, propelling industry advancement, and steering towards a greener, more sustainable future. Recent reports suggest that the government is developing a distinct EV manufacturing policy, in addition to schemes like FAME and production-linked incentives (PLI) for auto and auto components, and manufacturing advanced chemistry cell (ACC) batteries, to encourage international companies to establish manufacturing units in India.

A recent survey conducted by McKinsey & Company on EV adoption in India reveals that a significant majority of individuals are considering EVs for their next car purchase, with full-battery electric vehicles being the preferred choice at 49 percent, followed by plug-in hybrid electric vehicles at 21 per cent. This trend underscores a growing concern for sustainability among Indian consumers, with environmental considerations taking precedence in their car-buying and mobility-usage decisions.
Enrolling in the certificate programme on the fundamentals of EVs and charging infrastructure is deemed highly significant, as professionals will enhance their managerial competencies through modules such as EV charging infrastructure, fundamentals of EVs and motors, battery technology, communication and security, protection of EV chargers, etc.

The programme will be conducted via the state-of-the-art Interactive Learning (IL) platform, delivered in Direct-to-Device (D2D) mode, and will include a one-day immersion programme at the prestigious institution. Upon completion, learners can explore careers as battery engineers, charging infrastructure specialists, power electronics engineers, hardware engineers, etc.

Flipkart signs MoU with IIT Delhi: Here's what it may mean for customers

Flipkart has partnered with the Foundation for Innovation and Technology Transfer (FITT), the industry interface organisation of the Indian Institute of Technology (IIT), Delhi to offer better user experience on its e-commerce platform. Both companies have signed a memorandum of understanding (MoU) as a part of ongoing industry-academic alliance initiatives.

Partnership to offer better recommendations
As a part of the MoU, Flipkart will let research and market insights to FIIT to create granular, data-backed segments of users linked to different e-commerce categories based on shopping behaviour, demographics, surrounding users’ behaviour, etc.
This will help Flipkart and FITT to develop a general-purpose user activity graph that can be used for different purposes using the GNN (graph neural network) based techniques. All in all, this will allow Flipkart to overcome the limitation of current persona creation tools and also learn from users' activity graphs enclosing different personas of each user.

Flipkart has been nurturing academic alliances to build an ecosystem of learning and development through industry-focused research to address critical industry problems. Flipkart and FITT will also jointly undertake several other initiatives that include organising seminars, offering conference travel grants and engaging in company-sponsored research to support a project on a topic of mutual interest between Flipkart and the researchers from IIT Delhi. This is not the first time that Flipkart has signed a MoU with IIT. The e-commerce platform is already working with reputed academic institutions to develop solutions to address real-world challenges in diverse landscapes like India.

Mayur Datar, Chief Data Scientist at Flipkart, said, “As a home-grown brand, Flipkart has been committed to solving for India. We have developed numerous industry-first capabilities over the years and continue to focus on innovations that will enhance the experience of customers by making their online shopping journey simple through personalised recommendations. Through our collaboration with IIT Delhi, we hope to find a data-driven solution that will enable us to better understand our customer's requirements and preferences, allowing us to elevate the shopping experience by offering persona-based recommendations. This will also provide an opportunity for academicians to work on challenges that the industry is grappling with and build innovative solutions that will help in transforming the e-commerce industry.”

Prof. Preeti Ranjan Panda, Dean of Corporate Relations, Indian Institute of Technology, Delhi, said, “By combining Flipkart's industry expertise with the academic prowess of IIT Delhi, this collaboration is poised to contribute significantly to the advancement of e-commerce technologies, ultimately enhancing the way businesses engage with and cater to their diverse customer base.”

Prof. Sayan Ranu, Department of Computer Science and Engineering, Indian Institute of Technology, Delhi, said “Beyond conducting cutting-edge research in machine learning, which IIT Delhi is already engaged in, it is crucial to translate these technologies into tangible products that can make a real-world impact. Through our collaboration with Flipkart, we aim to achieve precisely that. This research partnership aims to enhance personalized recommendations by incorporating user personas. In addition to persona-fortified product
recommendations, this collaboration is poised to have a far-reaching impact by advancing machine learning models capable of handling large-scale real-world data effectively.”

**IIT-Delhi’s new device to produce terahertz radiation beyond 6G tech**

_March 19, 2024 03:37:20 PM_  

An international team of researchers led by the Indian Institute of Technology (IIT) Delhi on Tuesday announced the development of a new device that can produce high-frequency radiation beyond the current 6G communication technologies.

“Dubbed a Spintronic Terahertz (THz) emitter, the device operates through a bilayer system composed of ferromagnetic and non-magnetic materials,” said the team from IIT-Delhi’s Centre for Applied Research in Electronics (CARE), and the National University of Singapore, in a statement.

Using a combination of platinum and a layer of cobalt, the team developed a semimetal material in their laboratory to generate high-intensity pulses at the terahertz frequency range.

"Our goal was to create anmitter that not only provides enhanced emission strength but also functions efficiently at room temperature, making it suitable for practical, real-time applications," said Rahul Mishra, Assistant Professor at CARE.

The THz technology holds the potential to revolutionise “medical imaging, enabling doctors to visualise the interior of the human body safely,” explained Professor Samaresh Das.

It can also “facilitate faster and more secure wireless networks, significantly enhancing the speed and reliability of our Internet connections”, said research scholar Pinki Yadav.

Their study was recently published in the journal ACS Nano Letters.

**IIT-D, government sign MoU for research on leveraging AI, geospatial tech for rural development**

_12 March, 2024 07:35 pm IST_  
https://theprint.in/india/iit-d-government-sign-mou-for-research-on-leveraging-ai-geospatial-tech-for-rural-development/1998296/

The partnership aims to leverage the power of technology to enhance the operational efficiency and transparency of Mahatma Gandhi National Rural Employment Guarantee Act (MGNREGA) projects.

The Indian Institute of Technology Delhi (IIT Delhi) has signed a memorandum of understanding (MoU) with the Ministry of Rural Development (MoRD) for research and development of artificial intelligence (AI) and geospatial technology to support rural development.
The partnership aims to leverage the power of technology to enhance the operational efficiency and transparency of Mahatma Gandhi National Rural Employment Guarantee Act (MGNREGA) projects. The project titled ‘BhuPRAHARI’, will use ground and space-based geospatial technologies along with AI to monitor and manage assets under the MGNREGA. It will be executed by the HydroSense lab led by Prof Manabendra Saharia of IIT Delhi.

The MoU was signed by Joint Secretary, MoRD, Amit Kataria and Prof Manabendra. The signing ceremony also witnessed the presence of Secretary, MoRD, Shailesh Kumar Singh and Director, IIT Delhi, Prof Rangan Banerjee.

The officials emphasised the importance of the partnership in enhancing the operational efficiency and transparency of MGNREGA projects, adding that the integration of cutting-edge technologies will help in modernizing the way rural development projects are planned, monitored, and executed, ensuring accountability and optimising resource allocation.

The institute said that it is committed to applying scientific research and technological innovations for social good.

**Israel Aerospace Industries, Indian Institute of Technology Delhi sign CSR agreement**


The agreement establishes a framework for collaborative research projects, training initiatives, and expert consultations between IAI and IIT Delhi.
Israel Aerospace Industries (IAI) and the Indian Institute of Technology (IIT) Delhi have joined forces to drive innovation in India through a new Corporate Social Responsibility (CSR) agreement. This initiative marks IAI's commitment to social responsibility in India and underscores both parties' dedication to technological progress.

The agreement establishes a framework for collaborative research projects, training initiatives, and expert consultations between IAI and IIT Delhi.

"We are honored to partner with IIT Delhi, a globally recognized institution for engineering and technology," said Boaz Levy, President and CEO of IAI. "This CSR agreement signifies our deep commitment to nurturing innovation in India. We anticipate a fruitful and long-lasting collaboration on applied research, and view this partnership as a natural progression towards achieving our shared objectives."

Prof. Preeti Ranjan Panda, Dean of Corporate Relations at IIT Delhi, mirrored Levy's enthusiasm. "We are delighted to embark on this collaborative effort with Israel Aerospace Industries, a frontrunner in the global aerospace industry," Prof. Panda remarked. "This partnership aligns perfectly with IIT Delhi’s unwavering focus on pioneering advancements in research and technology. Together with IAI, we aim to make a significant impact on the future of technology in India."

The logo of state-owned Israel Aerospace Industries (IAI), the country's biggest defence contractor, is seen at their offices next to Ben Gurion International airport, near Or Yehuda, Israel February 27, 2017. (credit: REUTERS/BAZ RATNER)
About the two companies

IIT Delhi is a premier institution in India and consistently ranks among the top engineering institutes globally and is a prime partner for collaborations within the industry.

IAI is a preeminent player in the defense and commercial aerospace sectors. They are a leading provider of cutting-edge systems for diverse applications, spanning air, ground, sea, space, and cyberspace domains. IAI maintains its technological leadership through applied research in advanced core technologies and actively promotes open innovation through collaborations with universities, startups, and government R&D entities.

IAI fosters a strong network within the international innovation landscape, working closely with government R&D officials, startups, research centers, and academic institutions to efficiently transform ideas into practical products and systems.

IIT Delhi announces new MA programme; open house on March 15


The admission to the new MA programme will be done on the basis of a written test and an interview. The written test is set to be held on May 18.

Department will also host an open house on March 15. Candidates can register for the open house at hss.iitd.ac.in.
The Department of Humanities and Social Sciences, Indian Institute of Technology Delhi (IIT Delhi) on March 11 announced the launch of new master’s programme – MA Culture, Society, Thought. The new programme will start from July 2024 and the application for the programme can be done between March 20 and April 4. The Department will also host an open house on March 15. Candidates can register for the open house at hss.iitd.ac.in.

The two-year full time programme seeks to train students in diverse theoretical and methodological approaches as a way of reflecting on the contemporary world. Graduates from the programme will also be eligible to join the doctoral programme at IIT Delhi or other doctoral programmes in any country to further their research interests. Those who maintain a CGPA as recommended by the Institute (currently, 8.0) will be able to directly apply for the doctoral programme at IIT Delhi as per Institute rules.

**IIT Delhi MA in Culture, Society, Thought: Minimum eligibility**

– Graduates with BA degree in any discipline: 55% marks or equivalent CGPA. 50% or equivalent CGPA for SC/ST/PH category applicants.

– Graduates of all other streams (e.g., BTech, BSc, BCom, BDes, BEd): First division for all others streams of graduation, etc. 55% marks or equivalent CGPA for SC/ST/PH category applicants

– Graduates of 3-year and 4-year UG programme are both eligible for the programme.

– No credit waiver is to be given to graduates of 4-year UG programmes.

– BTech Advanced Standing students of IIT Delhi are also allowed.

– Qualifying degree performance is computed by aggregating performance over all the semesters/years of the qualifying degree. Taking into account all subjects including languages and subsidiaries, all years combined).

The admission process includes a written test and an interview. The written test is set to be held on May 18 and online interview will be conducted on May 27 and May 28.

Performance in written exam held by the Department of Humanities and Social Sciences or GATE score in any XH subject. Candidates shortlisted on the basis of a written exam or GATE score will be invited for an interview.
IIT Delhi to organise annual career fest on March 9, 10; 50 national, 100 Korean firms to visit


IIT Delhi's career services office will conduct ‘Pravritti 2024’ with the theme of ‘Pioneering Paths’.

Candidates can get access to all the details about JEE Advanced including eligibility, syllabus, exam pattern, sample papers, cutoff, counselling, seat allotment etc.

The Office of Career Services (OCS) at the Indian Institute of Technology (IIT) Delhi will be organising an international annual career fest called ‘Pravritti 2024’, on March 9 and 10, 2024. The theme of the fest will be "Pioneering Paths". The fest will witness the participation of several national and international firms this year, as per the institute.

“This year's fest aims to provide a platform for students to explore new career opportunities and gain perspective and valuable insights on various career avenues from industry professionals in various fields,” IIT Delhi said about the fest in an official statement.

The programme is prepared for helping students connect with as well as understand the cultures of national and international organizations. Through the event, students will get to comprehend and compare different recruiters across various sectors and understand and build their capabilities while participating in competitions and workshops.

Pravritti provides an opportunity for companies to engage with IIT Delhi students and find potential employees. Around 50 national and over 100 Korean firms are expected to visit the campus physically or virtually during the fest to recruit IIT Delhi students.

To prepare students for the event, IIT Delhi already started pre-fest events as of February 2024. Besides, webinars, mock interviews, and other competitions were conducted to prepare students and make the most of the career opportunities available. Post-fest events are also being planned to provide further guidance and support to the students.

“The event not only provides job opportunities for the graduating students and internships to pre-final year students of IIT Delhi, but it also facilitates other students of IIT Delhi and other institutions to gain awareness on career opportunities in various sectors, to mentally prepare them to plan their career paths and to understand the hiring processes. Participation in such an activity is essential for students from their first year
to learn, understand the career options and do self-introspection, before preparing themselves for the placement”, said professor R Ayothiraman, professor In-charge, Office of Career Services, IIT Delhi.

**IIT Delhi brings laurels in hackathon**


The Department of Management Studies at Indian Institute of Technology, Delhi, on Monday announced that its team ‘Environs’ clinched the first position in the Goa Institute of Management’s (GIM) Centre for Excellence in Sustainable Development (CESD) hackathon. The hackathon, focused on sustainability, aimed to foster the development of practical and scalable solutions for more sustainable events in the future.

**Maneka Gandhi, IIT Prof Seema Sharma among 28 women achievers to receive 2024 ICUNR awards**

[Image of IIT Delhi professor Dr Seema Sharma (file image)]
New Delhi: Former union minister Maneka Gandhi, IIT Delhi professor Dr Seema Sharma, IAS officer Kalpana Srivastava, actress Tanushree Dutta and Olympian Sakshi Malik are among the 28 women achievers selected for this year’s Indian Council for United Nations Relations awards.

The awards will be presented in Delhi on International Women’s Day on March 8.

Dr Sharma, a Professor of Economics at IIT Delhi, has been selected for her remarkable contributions to research and development.

Hailing from Dalyahu village in the Hamirpur district of Himachal Pradesh, she has received several awards for her contributions to teaching and research.

Dr Sharma’s expertise extends to entrepreneurship training and corporate consultancy, focusing on sustainable growth strategies.

Her involvement in national development initiatives, including projects funded by government agencies such as the Indian Council for Social Science and Research (ICSSR), Khadi and Village

Most of her project work focuses on helping small and micro-level enterprises for their development and growth.

While Maneka Gandhi will be presented with the Lifetime Achievement Award, the awardees include women diplomats, entrepreneurs and sportspersons.

Olympic wrestler Sakshi Malik, Madhya Pradesh cadre IAS officer (1992 batch) Kalpana Srivastava, Capaya Rodriguez Gonzalez (Ambassador of the Bolivarian Republic of Venezuela to India), Basanti Caroline Roublin (Executive Director, TARA Child Protection & Empowerment India) and educationist Geetanjali Sethi will also be presented with the award.

The other awardees are: Dr Aanchal Jain (environment and sustainability), Gita Ramesh (wellness), Leena Malhotra (education), Mihika Wahi Gupta (fitness), Pratibha Prahlad (dance), Prisha Lamba (hospitality), Rishika Roy (Indo-French business relations), Riya Rastogi (social activism), Dr Sanjukta Basu (feminist journalism), Shrutika Dewan (brand and marketing strategy), Shrayana Bhattacharya (economic sciences), Sita Raina (motorsports), Sujata Prasad (art and culture), actress Tanushree Dutta (women empowerment), Tultul Niyogi (publishing), Dr Urvi Panchal (beauty and wellness), Vandana Bhargava (jewellery design), Yamini Jaipuria (entrepreneurship), Akash K Aggarwal (Beyond He and She), Reena Rai (Beyond He and She) and Shainee Soni (Beyond He and She).
Bill Gates urges IIT Delhi students to apply their skills to tackle global challenges

March 01, 2024 08:29 AM  https://www.educationtimes.com/article/newsroom/99734973/bill-gates-urges-iit-delhi-students-to-apply-their-skills-to-tackle-global-challenges

Students at the interactive session in Delhi were keen to know about his views on the future of technology, building new-age businesses and his approach to philanthropic impact
Bill Gates, co-chair, Bill & Melinda Gates Foundation, urged students at the Indian Institute of Technology (IIT) Delhi to leverage their talent for global challenges.

Addressing students on the topic ‘Innovation for Public Good’ on Thursday, he highlighted the crucial role of emerging technologies in addressing persistent health and development challenges, and the need for scalable, cost-effective solutions to ensure they can be equitably delivered.

Gates stated that he had the opportunity through the work of the Foundation to look at innovators who were working in areas starting with health, but also agriculture, gender, and climate. He also emphasised on India’s work in vaccine manufacturing, AI for education, and digital public infrastructure in addition to the importance of collaborative efforts between educational institutions, the government, and the private sector in promoting innovations that can lead to widespread public impact.

Over 1,000 attendees joined the live interactive session where he encouraged students to not only consider their careers in terms of financial impact but also how it relates to achieving social equality. “I hope that as you plot out your future after IIT, you use the skills you sharpened here to improve lives in India and around the world,” said Gates, adding, that the students could make a difference in a “mind-boggling number of ways”.
He further said that AI is the most transformative technology that he has witnessed and that students were fortunate to have the opportunity to explore its potential.

Prof Rangan Banerjee, director, IIT Delhi, delineated IIT Delhi's vision of fostering an ecosystem that bridges the gap between technological innovation and its applications for public good.

“At IIT Delhi, we are working on innovation in healthcare, nutrition, climate change, and clean air. The Institute hopes to work together with the Gates Foundation to make a greater societal impact through innovation towards that end,” Banerjee added.

Students at the session were keen to know about Gates’ views on the future of technology, building new-age businesses, technology, and his approach to philanthropic impact. There were over 2,000 questions for Gates that were pre-submitted by the students, who sought his suggestion on a wide variety of topics, including becoming an entrepreneur and setting up an organisation like Microsoft.

NICDC & FITT-IITD sign MoU to develop industrial smart cities in India

MoU signing ceremony. Pic: NICDC / X (formerly Twitter)
INSIGHTS

- NICDC and FITT-IITD have signed an MoU to develop greenfield industrial smart cities in India, leveraging PM GatiShakti's framework.
- This collaboration aims to bolster India's global manufacturing ambitions by using advanced technology and research for optimal location identification.
- Key factors like business ease will guide sustainable urban planning.

In a significant step towards advancing India's industrial infrastructure, the National Industrial Corridor Development Corporation Limited (NICDC) and the Foundation for Innovation and Technology Transfer at the Indian Institute of Technology, Delhi (FITT-IITD) have entered into a Memorandum of Understanding (MoU). The agreement, signed at Vanijya Bhawan, aims to identify optimal locations for the development of greenfield industrial smart cities across India, utilising the principles and framework of the PM GatiShakti initiative.

The collaboration is spearheaded by Rajesh Kumar Singh, secretary of the Department for Promotion of Industry and Internal Trade (DPIIT), under the ministry of commerce and industry, government of India. This partnership is set to leverage the advanced technology and research capabilities of both organisations to bolster India's ambition of becoming a global manufacturing hub, ministry of commerce and industry said in a press release.

The MoU signing ceremony saw the participation of key figures, including colonel Naveen Gopal, COO of FITT, IIT Delhi, professor Nomesh Bolia, professor Sanjeev Deshmukh, Deepak Gautam, Pratik Badgujar, and officials from the NICDC. This union marks a pivotal move towards employing data-driven decision-making in sustainable, futuristic urban planning and development.

Under this partnership, FITT-IITD will utilise its technological expertise and research acumen to analyse various factors that influence the optimality of locations. This includes the ease of doing business, living costs, logistic costs, multi-modal connectivity, and the ease of living index, among others. The initiative aims to harness the spatial and analytical data tools provided by the PM GatiShakti, National Master Plan portal, to facilitate the development of industrial smart cities that are both innovative and sustainable.

"By leveraging advanced technologies and research expertise, we aim to identify locations conducive to industrial development, thereby attracting investments, promoting local commerce and generating employment opportunities," said Rajat Kumar Saini, IAS, CEO and MD of NICDC.