



भारतीय प्रौद्योगिकी संस्थान कानपुर
INDIAN INSTITUTE OF TECHNOLOGY KANPUR
कुलसचिव कार्यालय
OFFICE OF THE REGISTRAR

RO/PQ/2024/IITK/332
February 02, 2024

Shri Ashwini Kumar
Assistant Section Officer
Technical Section - I (IITs)
Department of Higher Education,
Ministry of Education,
Shastri Bhawan, New Delhi

Subject: Rajya Sabha admitted Question No. 407 for 06.02.2024 regarding "Machine for testing blood sugar"

Shri Ashwini,

Kindly refer to your e-mail dated February 01, 2024 on the above subject matter. In this context, the point wise reply to the question nos. (a) to (e) are as under:

(a) Whether Government is aware that a scientist of IIT Kanpur has invented a machine for testing blood sugar through human sweat;

Reply: Variants of some of the components which will eventually be used to make a machine for testing glucose levels through human sweat have been made.

(b) if so, the details thereof;

Reply: The variants of the components, the IPA Nos. and the dates of filing are provided below.

Technology Title	IPA No.	Date of Filing
An Electrochemical Device for Glucose Detection	202211016059	23.03.2022
Isolated Coral Gold Structures for Sweat Glucose Detection: An Electrochemical Approach	202211016046	23.03.2022
An Ultrafast Electro-Structured Copper Hexagonal Rods for Enhanced Sweat Glucose Detection	202311034757	18.05.2023
An Ex-SITU Sweat Glucose Detection System Using Copper Pyramids	202311034954	18.05.2023
Microfluidic Patch for Non-Invasive Glucose Measurement and Preparation Method Thereof	202311034922	18.05.2023

(c) Whether Government also granted patent to this machine;

Reply: Information regarding the patents granted for the two of the above mentioned applications, along with the grant nos. is mentioned below:

Title	IPA No.	Grant No.	Date of Grant
An Electrochemical Device for Glucose Detection	202211016059	491618	29.12.2023
Isolated Coral Gold Structures for Sweat Glucose Detection: An Electrochemical Approach	202211016046	503581	25.01.2024

contd...2

(d) Whether it is a fact that the machine – Non-enzymatic Electro Chemical Sweat Glucose Analytical Device – is the fastest device to get blood sugar results in just 1-2 minutes; and

Reply: No such information is available with us.

(e) the efforts being made to propagate and use this device in all hospitals of the country?

Reply: No such information is available with us.

This is for your information and record.



**Prof. Braj Bhushan
Officiating Registrar**



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RO/PQ/2024/IITK/332
February 02, 2024

Shri Ashwini Kumar
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Department of Higher Education,
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Subject: Rajya Sabha admitted Question No. 407 for 06.02.2024 regarding "Machine for testing blood sugar"

Shri Ashwini,

Kindly refer to your e-mail dated February 01, 2024 on the above subject matter. In this context, the point wise reply to the question nos. (a) to (e) are as under:

(a) Whether Government is aware that a scientist of IIT Kanpur has invented a machine for testing blood sugar through human sweat;

Reply: A complete machine ready for deployment has not been made yet. There is ongoing research work on the process of making some of the components of the envisaged machine.

(b) if so, the details thereof;

Reply: The complete machine has not been made yet, hence details of it are not ready.

(c) Whether Government also granted patent to this machine;

Reply: The complete machine has not been made and hence a patent for the complete machine has not been applied.

(d) Whether it is a fact that the machine – Non-enzymatic Electro Chemical Sweat Glucose Analytical Device – is the fastest device to get blood sugar results in just 1-2 minutes; and

Reply: The envisaged device is expected to give the results in about 1-2 minutes. The exact time will be known after the complete device is subjected to tests.

(e) the efforts being made to propagate and use this device in all hospitals of the country?

Reply: This envisaged machine is being worked upon and is not ready for deployment yet.

This is for your information and record.

Prof. Braj Bhushan
Officiating Registrar



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INDIAN INSTITUTE OF TECHNOLOGY KANPUR
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OFFICE OF THE REGISTRAR

RO/PQ/2024/IITK/331
January 31, 2024

Shri Nilesh Chandra Srivastava
Under Secretary to the Government of India
Department of Higher Education
Ministry of Education
'C' Wing, Shastri Bhawan
New Delhi 110 001

Subject: Admitted Lok Sabha Question No. 326 (Dy. No. 969) for 05.02.2024 regarding "Programmes to Promote Skill Development in Rural and Underserved Areas.

Sir,

Kindy refer to your e-mail dated January 30, 2024 on the above subject matter. In this context, the point wise reply to the question nos. (a) to (e) in so far they relate to this Institute are as under:

(a) Whether any initiative or programs have the government undertaken to promote skill development across different sectors and industries in India

Reply: Yes, IIT Kanpur is part of various activities listed below:

- i. PMKVY - Pradhan Mantri Kaushal Vikas Yojana under PMKVY, we have proposed the following courses: Automotive Additive Manufacturing Technicians, Automation and Robotics Engineer, Mechatronics Designer and System Integrator, Kisan drone Operator.
- ii. Formation and operation of Indian Institute of Skills (IIS) Kanpur jointly with National Skill Training Institute (NSTI), Kanpur: In this activity, there will be a vertical of 18 laboratories, the details of which are attached herewith. HAL and Dassault Aviation are partners in this work. The infrastructure for the IIS is already ready, and the laboratories are currently being developed. IIT Kanpur also provides skill upgrade training to HAL trainees once a year under a joint MoU. The scope and deliverables of IIS are available in the document.

The Ministry of Micro, Small, and Medium Enterprises (MSME) has collaborated with prominent technical institutions to provide opportunities for aspiring entrepreneurs and industrial sector employees to enhance their skills. The collaborative efforts aim to address the market's evolving needs through skill development initiatives. In the fiscal year 2022-23, the Ministry of MSME conducted 60 programs. The curriculum for these programs is proposed by different institutes, ensuring relevance and effectiveness in skill development. The topics are chosen to reflect the contemporary needs of different sectors and industries, promoting a holistic approach to skill enhancement.

contd....2

(b) The steps taken by the government to collaborate with educational institutions and industries to align skill development with the evolving needs of the job market

Reply: The government has undertaken strategic collaborations to align skill development programs with the dynamic requirements of the job market. This collaborative effort spans the financial years 2022-23 and 2023-24.

Specifically, IIT Kanpur, in partnership with the Ministry of Micro, Small and Medium Enterprises (MSME), has been actively involved in implementing skill development programs since the fiscal year 2022-23. This collaboration involves the design and execution of programs such as Advanced Entrepreneurship and Skill Development Programmes (A-ESDP) and Advanced Management Development Programmes (A-MDP). These programs encompass a range of topics, including Entrepreneurship Skill Development on the Internet of Things, Data Science and Data Analytics, Social and Sustainable Entrepreneurship, and various others. The curriculum is carefully crafted to address the specific skill requirements identified in consultation with industry stakeholders. The government aims to foster a symbiotic relationship between academia and industry by engaging with premier educational institutions like IIT Kanpur. This approach ensures that skill development initiatives not only meet the current needs of the job market but also remain adaptable to future advancements and changes in industry dynamics. The collaborative efforts are geared towards producing a workforce that is well-equipped with the latest skills and competencies, contributing significantly to the overall growth and competitiveness of the nation.

During the last two years, the "Skill Development Initiative (SDI) in Woman's Tailor" was conducted for the unemployed youths of 15 Gram Panchayat in Kalyanpur Block, Kanpur District. The program has been recently completed, and 305 female participants have been provided with the completion certificate.

(c) The details on the geographical reach of skill development programs and whether there are targeted efforts for rural and underserved areas.

Reply: IIT Kanpur is in the process of developing certificate courses on skill development and entrepreneurship for the rural sector through IIS in the following areas:

- (i) Agricultural Technology
- (ii) Medical Healthcare Technology
- (iii) Additive Manufacturing
- (iv) Smart Textile and Design Engineering

Other programs that our institute runs are listed below:

The Ranjit Singh Rozhi Shiksha Kendra (RSK) and Unnat Bharat Abhiyan (UBH) have collaborated to educate rural children and skills to rural youth for better employability. Several programs have been implemented under this initiative:

1. Sewing Machine Operator Course (NSQF Level 4):
 - I trained 350 rural youth (Dec 2020-March 2023), and 60% are employed in the local apparel industry.
 - Partnership with Pratham Education Initiative and support of NABARD.
2. Artisan Training - Vishwakarma Shram Samman Yojana:
 - Facilitation of training for potters in the Bithorn area at the District Industries Centre, Kanpur Nagar.
 - 60 potters registered, 42 trained, and organized skill courses for product upgradation.
3. Digital Literacy (PMG-DISHA):
 - Trained 100 rural youth in 12 villages on PMGDISHA with the help of IIT Kanpur students.
4. G2C Services through Rural Camps:
 - Conducted camps in several villages for government scheme registrations
5. Computer Basics for Rural Youth:
 - Computer training for rural youth by IITK students
6. Training Youth for Enumeration of the 7th Economic Census:
 - 35 rural youth were trained as enumerators for the 7th Economic.
7. Promoting Organic Farming:
 - Organized an exposure visit for farmers.
 - Conducted demonstrations and talks on organic farming and drip irrigation.
 - Promoting online sales through the Aranyaani online portal.

8. Rural Vaccination Drive:

- Organized a vaccination camp in Singhpur and a drive in a dozen villages during May-June 2021 to promote Covid vaccination.
- Education of Rural School-Going Children:
- Set up tuition centers in 3 villages (2018-2019), handling 80 school-going children.
- An online education model for after-school tuition for rural school children

These initiatives reflect a comprehensive approach to addressing rural communities' educational and skill development needs, covering diverse sectors such as sewing, artisan training, digital literacy, organic farming, and vaccination awareness, among others. The collaboration involves partnerships with various organizations and leverages the expertise of IIT Kanpur students and faculty.

Hackathon on Minor Forest Produce

FIRST IIT Kanpur organized a "Hackathon for Minor Forest Produce" with Chhattisgarh State Minor Forest Produce (Trading and Development) Co-operative Federation Limited. This event is for developing technological solutions for the value addition of Minor Forest Produce (Tamarind, Mahua Seed, Lac, Bhelwa, Sal Seed, Harra, Baheda, Jamun, Jack Fruit, Tendu Fruit). The objective is to provide higher value for the Minor Forest Produce (MFP) to create social impact and create job opportunities and livelihood for tribal beneficiaries in the state of Chhattisgarh. This program is a medium for technology transfer to tribal for processing and value addition of MFPs. This includes scouting for the best technological solutions for the MFPs. Once the tribal gets the know-how of value addition of the MFPs and starts producing the value-added products, their income will increase significantly.

Tech for Tribal

Tech for Tribal is a unique program to make the tribal of India "Aatmanirbhar." TRIFED, Ministry of Tribal Affairs, and Gol have funded this nationwide program to bridge the gap between tribal entrepreneurs and urban markets. The project aims to develop Tribal holistically, focusing on entrepreneurship development, soft skills, IT, and business development through Self Help Groups that operate through Van Dhan Vikas Kendras (VDVK).

Tech for Tribal was officially launched on October 13, 2020. The primary objective of this training is to introduce the tribal trainees to relevant concepts for operating a business in a rural setup and provide them insights about making their products market-ready.

The project, Tech for Tribal, implemented by FIRST IIT Kanpur, touches the lowest stratum of society, focusing on capacity building of rural women by empowering them to become financially independent. We are working across **Kerala, Chhattisgarh, Tamil Nadu, and Andhra Pradesh.**

Major Outcomes:

Ensured sustainable livelihood for around 3175 women members working in SHGs with Van Dhan Vikas Kendras at different levels.

- ✓ Directly - Indirectly impacted around 12000 members from the Tribal community in a span of two years across the four states.
- ✓ Promoting and setting up rural enterprises with the help of locally available resources through skill training, linkages for financial and business support, and handholding.
- ✓ Strengthening ownership, institutions, and collective accountability.
- ✓ Value addition of various minor forest produce collected by the forest-dwelling tribal gatherers was done to help them generate higher income that eventually improves their quality of life with better access to education and health opportunities.

(d) Whether there is any success stories or case studies that showcase the impact of India's skilled workforce in international markets

Reply: Not available

(e) Whether the government has any mechanisms/plans to address potential challenges, such as the rapid advancement of technology that may impact the relevance of existing skill set?

Reply: At IITK, through funding from MSDE, we are developing the Centre for Deep Skill Training and Research, in which breakthrough technologies related to the areas of Noise and Vibration Control, Robotics, Automation, Drug and Pharma, Semiconductor packaging, and Medical Imaging will be carried out.

This is for your information and records.



**Prof. Braj Bhushan
Officiating Registrar**



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RO/PQ/2024/IITK/328
January 30, 2024

Shri Harish Kumar
Project Assistant, TS.I
Department of Higher Education
Ministry of Education
Shastri Bhawan
New Delhi 110 001

Subject: Education Relations with China".

Sir,

Kindy refer to your e-mail dated January 29, 2024 on the above subject matter. In this context, the necessary data in so far relate to IIT Kanpur has been updated on the google sheet link provided in the e-mail. The soft copies of the signed MoUs can also be accessed from the google link given below:

<https://drive.google.com/drive/folders/1OG8Vxp2pyoFuRTqWgkWrw7gvHW5frPVI?usp=sharing>

This is for your information and records.

Prof. Braj Bhushan
Officiating Registrar



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RO/PQ/2024/IITK/326
January 29, 2024

Shri Nilesh Chandra Srivastava
Under Secretary to the Government of India
Department of Higher Education
Ministry of Education
'C' Wing, Shastri Bhawan
New Delhi 110 001

Subject: Lok Sabha Starred Question Diary No. 562 for 05.02.2024 regarding "Reservation Roster by IITs for Direct Recruitment".

Sir,

Kindy refer to your e-mail dated January 24, 2024 on the above subject matter. In this context, point wise reply to the question Nos. (a) to (d), in so far they relate to this Institute are as under:

a) Whether the reservation rosters prepared by each IIT for direct recruitment to each teaching faculty cadre.

Reply: IIT Kanpur has prepared a roster (in teaching faculty cadre) as per Central Educational Institutions (Reservation in Teachers' Cadre) Act-2019.

b) the details of methods followed in preparing reservation roster for flexible cadre structure at each IIT;

Reply: IIT Kanpur has prepared a roster (in teaching cadre) as per Central Educational Institutions (Reservation in Teachers' Cadre) Act-2019 as per DoPT OM dated 31 January 2019.

c) & d) Reply to these points has been filled in the desired excel sheet enclosed in your mail.

This is for your information and records.

Prof. Braj Bhushan
Officiating Registrar



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INDIAN INSTITUTE OF TECHNOLOGY KANPUR

कुलसचिव कार्यालय
Registrar Office



Tel. : +91- 512-259 7808/6434 (O)
Fax : +91- 512-259 0465
Email: registrar@iitk.ac.in

पत्रालय - आई.आई.टी., कानपुर-208 016 (भारत)
Post Office - I.I.T., KANPUR-208 016 (India)

संदर्भ/Ref. : No. IITK/RO/PQ/2024/324

दिनांक/Date: January 23, 2024

Shri Arun Kumar
Section Officer
Technical Section –IA
Department of Higher Education
Ministry of Education
Shastri Bhawan
New Delhi 110 001

Subject: Information on filling up of backlog vacancies reserved for SCs, STs and OBCs as on 01.01.2024.

Sir,

Kindly refer to your e-mail dated January 18, 2024 on the above subject matter. In this context, the point wise reply to the question nos. (a) to (c) in so far they relate to this Institute are as under:

(a) Data for backlog vacancies as on 01.01.2024 in the prescribed proforma.

Reply: Data for backlog vacancies for teaching and non-teaching employees as on 01.01.2024 in the prescribed proforma are as below:

For Teaching Employees:

SC			ST			OBC		
Vacancies	Filled up	Unfilled	Vacancies	Filled up	Unfilled	Vacancies	Filled up	Unfilled
76	24	52	28	5	23	101	44	57

For Non-Teaching Employees:

SC			ST			OBC		
Vacancies	Filled up	Unfilled	Vacancies	Filled up	Unfilled	Vacancies	Filled up	Unfilled
8	-	8	1	-	1	9	-	9

(b) Reasons for backlog of vacancies

Reply: Generally, it is seen that in case of teaching staff, strong candidates belonging to SC, ST and OBC category, often do not specify their category and join in the UR category while no suitable candidates was found in case of non-teaching staff for the period mentioned above.

contd....2

(c) Steps taken to fill up these vacancies

Reply: The Institute is making continuous effort to recruit deserving candidates through rolling advertisement, which is open throughout the year and offers reservation as per Gol norms, also IIT Kanpur has been continuously giving thrust to recruit reserved category candidates through special recruitment drives as published vide Advt. No. DF-4/2017 dated 20 July 2017 to 22 August 2017, DF-3/2019 dated 14 August 2019 to 08 September 2019, DF-1/2021 dated 26 August 2021 to 25 October 2021, DF-1/2022 dated 22 November, 2022 to 31 January 2023. Vacant posts for non-teaching positions are also re-advertised through special drives to boost up the recruitment.

This is for your information and records.



**Prof. Braj Bhushan
Officiating Registrar**



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No. IITK/RO/MoE/2023/300

December 06th, 2023

Shri Sahil Sardana
Section Officer (TS-I)
Technical Education Bureau
Department of Higher Education
Ministry of Education
Shastri Bhawan, New Delhi- 110011

Sub: Rajya Sabha Unstarred Question No. 346 for 06.12.2023 regarding "Drug abuse in educational Institute."-reg.

Sir,

Kindly refer to your email dated December 01, 2023 regarding the subject cited above; the point-wise Response of the ibid email in regard to IIT Kanpur is as under:

(a) whether Government is aware of the accelerated rate of drug abuse among school and college students;

Response: Nil.

(b) whether there is any pragmatic and student centric action plan to address this serious social issue;

(c) if so, the details thereof;

Response to (b) & (c): Institute Counselling Service, IITK has been conducting multiple behavioural and student focused initiatives to raise awareness about the various aspects of Drug abuse and Addiction in the Campus. These initiatives are:

- i) Conducting awareness workshops periodically, so that people who are suffering from drug abuse should know about the dangerous aspects of the addiction and they can reach out to take professional help, provided by Institution Psychiatrists and Counsellors. Recently we conducted such a workshop during World Mental Health Week (9th October 2023)
- ii) During new student Orientation (UG and PG) we conduct an awareness session on Addiction and Substance abuse, by renowned Psychiatrists and Professional Psychologists to make new students aware about the various dangerous addictive substances and how they affect our Mental and Physical Health. Their queries are being handled with professional expertise and efforts are being made to help them create a coping mechanism to deal with this sensitive problem.

- iii) Every fortnightly a De- addiction and Psychiatry clinic is being organized at the Institute Health Centre, by a renowned Psychiatrist and he is being assisted by the Institute counsellors to provide both Psychiatric and Psychological support. Students with any kind of addiction can avail the facilities of this clinic.
 - iv) We also invite Guest Speakers as resource persons from renowned Institutions to discuss various aspects of addiction to our campus community.
 - v) We also conducted the e-pledge during Nasha Mukta Bharat Pakhwada (12th-26th June 2023)
- (d) **whether Government is planning to undertake a nation-wide awareness programme to curb the problem of drug abuse among students and if so, the details thereof?**
Response: Nil.

Hope, you will find the above information in order.



Prof. Braj Bhushan
Officiating Registrar

Copy to: Director, IIT Kanpur



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No. IITK/RO/MoE/2023/291

December 04th, 2023

Shri Nilesh Chandra Srivastava
Under Secretary (IITs)
Department of Higher Education
Ministry of Education
Shastri Bhawan, New Delhi- 110011

Sub: Lok Sabha Starred Question Diary No. 2625 - Discriminatory Recruitment Practices Affecting Reserved Category Students- reg.

Sir,

Kindly refer to your email dated December 01, 2023 regarding the subject cited above; the point-wise Response of the ibid email in regard to IIT Kanpur is as under:

(a) **whether the IIT's of the country /Government received complaints of discriminatory recruitment practices to sideline Reserved Category students like SC/ST and other Backward Classes;**

Response: IIT Kanpur did not receive any complaint from any of its students participating in the placement process this year about any discriminatory practices targeting Reserved Category students, including SC/ST and other Backward Classes, during the recruitment process. However, the institute has received email, from a few alumni, expressing such concerns that a few companies use JEE ranks to discriminate against reserved category students.

(b) **if so, the details thereof;**

Response: As stated above, IIT Kanpur did not receive any such complaint from any of its students sitting for the placement. However, a few alumni have sent emails alerting that a few private companies have asked the students participating in the placement to provide their ranks in the JEE exams. They further alleged that the companies used this information for the identifying students in the reserved categories and possibly discriminated against them; it should be reiterated here that the institute does not allow the companies to collect information on the category (SC/ST/OBS etc) of the students sitting for the placement not does it share any such personal details to any third party.

(c) **the steps taken by the Government to check such alarming situation in Government owned Higher Institutes of the country; and**

Response: As stated above, IIT Kanpur, as a policy, does not share category of the students (SC/ST/OBC etc) to any outsider including private recruiters, and nor does it allow recruiters to collect this information while they are on campus for the placement

drive. Given the allegation that the recruiters possibly use the JEE rank to identify students under the reserved category, the Institute has barred the companies to collect the JEE rank details from the students sitting for campus placement.

(d) the details of such private companies who forced the students to reveal their caste and entrance rank list details?

Response: As stated above, neither IIT Kanpur share with the recruiters the personal details of the students (caste or reservation category) sitting for the campus placement not does it allow the recruiters participating in the campus recruitment drive to collect such information. There was an allegation that a company named 'Merilytics' requesting for JEE ranks of the students and they might use it to identify the reserved category students. The Institute intervened and this information was later removed from the application form after discussion with the company.

Hope, you will find the above information in order.



Prof. Braj Bhushan
Officiating Registrar

Copy to: Director, IIT Kanpur



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REGISTRAR'S OFFICE

No. IITK/RO/MoE/2023/292

December 04th, 2023

Ms. Roopali Kashyap
Project Manager
Technical Section I (IITs)
Deptt. of Higher Education
Ministry of Education
Shastri Bhawan, New Delhi- 110011

Sub: VIP Reference – transfer of Kumari Swasti Jain from IIT Dharward to any of the IITs viz. Delhi, Kanpur, Roorkee, BHU, Indore and Dhanbad.

Sir,

Kindly refer to your email dated December 04, 2023 on the subject cited above; the point-wise response of the ibid email in regard to IIT Kanpur is as under:

"This is in connection with the MOE letter dated 26.09.2023. It may be noted that as per the current Business Rules of Joint Seat Allocation Authority, there is no provision of change of allotment and hence a student given allotment to an IIT through JOSAA allotment process cannot be changed.

Hope, you will find the above information in order.

Prof. Braj Bhushan
Officiating Registrar

Copy to: Director, IIT Kanpur



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REGISTRAR'S OFFICE

No. IITK/RO/MoE/2023/293

December 04th, 2023

Shri Nilesh Chandra Srivastava
Under Secretary (IITs)
Department of Higher Education
Ministry of Education
Shastri Bhawan, New Delhi- 110011

Sub: Lok Sabha Starred/Unstarred Question Diary No. 3534 to be answered on 11/12/2023 regarding "Enrollment of Ph.D Programmes".

Sir,

Kindly refer to your email dated December 01, 2023 regarding the subject cited above; the point-wise Response of the ibid email in regard to IIT Kanpur is as under:

(a) whether it is true that enrollment of Ph.D programmes at IITs has come down

Response: It is difficult to conclude at this moment that the enrollment of Ph.D students at IIT Kanpur has dropped.

(b) if so, the reasons behind this downward trajectory among best STEM colleges in the country;

Response: Please refer below table:

Academic Year	No. of applications accepted	Admitted (New)
2016-17	471	315
2017-18	348	294
2018-19	427	356
2019-20	454	400
2020-21	673	565
2021-22	541	424
2022-23	413	295
2023-24	458	263

It clearly indicates that the increase in the number of applications as well as admitted candidates was more during the Covid pandemic time 2019-20, 2020-21 and 2021-22. The number in 2022-23 and 2023-24 are relatively the same as prior to Covid pandemic.

(c) the number of Ph.D applications in IISc during the last five years and the current year, year-wise;

Response: Not pertaining to IIT Kanpur.

(d) **the reasons that above premier Institutions in spite of having record faculty strength and huge research funds students are not registering for Ph.D programmes; and**

Response: Due to the increased employment opportunities in the country in recent years, many students may be preferring the jobs in comparison to higher studies.

(e) **the efforts being made by the Government to reverse this trend?**

Response: Not pertaining to IIT Kanpur.

Hope, you will find the above information in order.



Prof. Braj Bhushan
Officiating Registrar

Copy to: Director, IIT Kanpur



भारतीय प्रौद्योगिकी संस्थान कानपुर
कुलसाचिव कार्यालय
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REGISTRAR'S OFFICE

No. IITK/RO/MoE/2023/294

December 04th, 2023

Shri Nilesh Chandra Srivastava
Under Secretary (IITs)
Department of Higher Education
Ministry of Education
Shastri Bhawan, New Delhi- 110011

Sub: Rajya Sabha Starred/Unstarred Question Diary No. S1033 to be answered on 13/12/2023 regarding " Extension of campuses IITs in the country"- reg.

Sir,

Kindly refer to your email dated December 01, 2023 regarding the subject cited above; the point-wise Response of the ibid email in regard to IIT Kanpur is as under:

- (a) **Whether Government have undertaken for extension of campuses of IITs in the country for the benefit of students, details thereof IIT-wise; and**
Response: Yes, IIT Kanpur has established an Outreach Centre in Sector 62 of Noida.
- (b) **What is the status of extension of campus on IITs and whether there is any timeline for completion of work, IIT-wise, details thereof;**
Response: Three building namely Guest house, Office Block, and SIIC block have been made ready and these facilities are currently being utilised for conducting workshop, conferences, seminar, and projects including nurturing of start-ups.

Hope, you will find the above information in order.

Prof. Braj Bhushan
Officiating Registrar

Copy to: Director, IIT Kanpur



भारतीय प्रौद्योगिकी संस्थान कानपुर
कुलसाचिव कार्यालय
INDIAN INSTITUTE OF TECHNOLOGY KANPUR
REGISTRAR'S OFFICE

No. IITK/RO/MoE/2023/296

December 05th, 2023

Shri Nilesh Chandra Srivastava
Under Secretary (IITs)
Department of Higher Education
Ministry of Education
Shastri Bhawan, New Delhi- 110011

Sub: Rajya Sabha Starred/ Unstarred Question Diary No. S209 to be answered on 13/12/2023 regarding "Research Papers retracted by IITs"- reg.

Sir,

Kindly refer to your email dated December 01, 2023 regarding the subject cited above; the point-wise Response of the ibid email in regard to IIT Kanpur is as under:

(a) Whether Indian Institutes of Technology had to retract a number of research papers in the last two decades; if so the reasons thereof;

Response: Four papers with authors from IIT Kanpur were retracted during this period. Some of the text bore similarities to previously published work in other journals and they were not cited.

(b) Whether this action on the part of IITs has affected on the scientific reputation of the country;

Response: No, as corrective measures were immediately taken after such incidents came to the knowledge of the institute.

(c) What are the corrective measures taken in this regard;

Response: The authors were issued advisory. Besides that, IIT Kanpur has been provided assess to plagiarism check software to the research scholars and faculty to avoid any inadvertent error. Ethics course has been introduced and is made a compulsory for all the students.

(d) Whether any advisory has been issued to the authors of the research papers;

Response: Advisory were issued to all the concerned authors.

Hope, you will find the above information in order.

Prof. Braj Bhushan
Officiating Registrar

Copy to: Director, IIT Kanpur



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No. IITK/RO/MoE/2023/298

December 05th, 2023

Shri Harish Kaushik
Assistant Section Officer (IITs)
Department of Higher Education
Ministry of Education
Shastri Bhawan, New Delhi- 110011

Sub: Rajya Sabha Starred/ Unstarred Question Diary No. S2942 for 13/12/2023 regarding "B.E./ B.Tech admission through regional languages"- reg.

Sir,

Kindly refer to your email dated December 04, 2023 regarding the subject cited above; the point-wise Response of the ibid email in regard to IIT Kanpur is as under:

(a) State-wise and language-wise total number of students taking admission in Bachelor of Engineering (B.E.) and Bachelor of Technology (B. Tech) courses through regional languages;

Response: IITs offer admission into undergraduate courses leading to a Bachelors, Integrated Masters, Bachelor-Master Dual Degree in Engineering, Sciences, or Architecture through JEE (Advanced) in the Computer Based Test (CBT) mode. The question papers in JEE (Advanced) are available in both English and Hindi languages. The candidates have the option to choose (and also switch between) the preferred language anytime during entire period of the examination. Such information that which student has attempted the question in either Hindi or English language is unavailable to us.

(b) What is the total additional cost to universities for adding regional language medium courses in BE/ B.Tech and is this cost borne separately by the Government?

Response: IIT Kanpur has already established 'Shivani Centre for the Nurture and Re-Integration of Hindi and Other Indian Languages' on its campus which aims at a seamless integration of students for the nurture and re-integration of Hindi and other Indian languages ensuring availability of the course content in regional languages. Some undergraduate courses have already been translated in Hindi, and some other courses will be translated in other regional languages over a period of time, depending upon the availability of resources and expertise.

Hope, you will find the above information in order.

Prof. Braj Bhushan
Officiating Registrar

Copy to: Director, IIT Kanpur



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RO/PQ/2023/IITK/290
December 01, 2023

Shri Nilesh Chandra Srivastava
Under Secretary to the Government of India
Department of Higher Education
Ministry of Education
'C' Wing, Shastri Bhawan
New Delhi 110 001

Subject: LSUQ 90 for 04.12.2023 regarding vacant post of Assistant Professors, Associate Professors of SCs and STs in Central Universities/IIMs and IITs.

Sir,

Kindy refer to your e-mail dated November 29, 2023 on the above subject matter. In this context, the point wise reply to the question nos. (a) to (e) in so far they relate to this Institute are as under:

(a) The details of vacant posts of Assistant Professors, Associate Professors belonging to Scheduled Castes and Scheduled Tribes in various Central Universities and IIMs and IITs in the country between 2014-15 to 2022-23 academic years;

Reply: Attached as **Annexure-I**.

(b) whether initiatives have been taken by the Government to fill up such vacancies;

Reply: The Institute is making continuous effort to recruit deserving candidates through rolling advertisement, which is open throughout the year & offers reservation as per Gol norms, also IIT Kanpur has been continuously giving thrust to recruit reserved category candidates through special recruitment drives as published vide Advt. Nos. DF4/2017 dated 20 July 2017 to 22 August 2017, DF3/2019 dated 14 August 2019 to 08 September 2019, DF1/2021 dated 26 August 2021 to 25 October 2021, DF-1/2022 dated 22 November 2022 to 31 January 2023.

(c) If so, the details thereof and the posts such filled;

Reply: Total teaching staff belonging to Scheduled Castes are 24 and Scheduled Tribes are 5.

(d) whether any deliberate delay in filling up such vacancies are observed in Central Universities; and

(e) if so, the details thereof and action taken thereon?

Reply: Please refer to reply at point (b) above.

This is for your information and records.

Shalabh
01/12/23
Prof. Shalabh
Acting Registrar

Encl. as above.

(a) & (c)

Annexure - I

Name of the Institute	Designation	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	Posts filled as on date
		Vacant									
CUs	Assistant Professors (SC)										
	Assistant Professors (ST)										
	Associate Professors (SC)										
	Associate Professors (ST)										
IIT Kanpur	Assistant Professors (SC)	NA	NA	NA	NA	NA	56	53	44	38	24
	Associate Professors (SC)	NA	NA	NA	NA	NA					
	Assistant Professors (ST)	NA	NA	NA	NA	NA	28	27	24	23	5
	Associate Professors (ST)	NA	NA	NA	NA	NA					
IIM	Assistant Professors (SC)										
	Assistant Professors (ST)										
	Associate Professors (SC)										
	Associate Professors (ST)										

Signature
29/11/23



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RO/PQ/2023/IITK/279
November 28, 2023

Shri Nilesh Chandra Srivastava
Under Secretary to the Government of India
Department of Higher Education
Ministry of Education
'C' Wing, Shastri Bhawan
New Delhi 110 001

Subject: Provisionally admitted question for the Rajya Sabha Diary No. U1110 for 06.12.2023 regarding negative perceptions regarding mathematics.

Sir,

Kindly refer to your e-mail dated November 26, 2023 on the above subject matter. In this context, the point wise reply to the question nos. (a) to (b) in so far they relate to this Institute are as under:

(a) Whether the government has taken note of the fact that the negative perceptions regarding mathematics are often carried into adulthood with students developing fear and prejudice towards science, technology, engineering, and mathematics (STEM) disciplines?

Reply: Being a premier science and technology Institute, students who are good in STEM, join IIT Kanpur offer undergoing a selection process.

(b) If so, the details of the corrective steps that are proposed to be taken by the government keeping in mind that STEM education can prepare students for careers in fields such as computer science, engineering, biotechnology and other emerging technologies?

Reply: IIT Kanpur is admit UG students after class 12. Following steps are taken to overcoming the fear and prejudice towards science, technology, engineering, and mathematics (STEM) disciplines, if any.

1. The preparatory course offers a year extra to the students in which they are taught Physics, Chemistry and Mathematics of class 11 and 12 level and thereafter they are directly admitted to the Bachelor programme of the institute.
2. The Shivani Centre for the Nurture and Re-integration of Hindi and Other Indian Languages at IIT Kanpur is helping the students in understanding the STEM courses in Hindi and other Indian languages.
3. Senior students in higher semesters, called as Student Guides, help the first-year students by holding discussions and doubt clearing sessions
4. The students can always approach the faculty members for any academic help and support.

This is for your information and records.

Prof. Braj Bhushan
Officiating Registrar

Sl.No.	Name of the Institute	Target Vacancies (Faculty)	Total Filled up till August'2023 (F)	Remaining Targets (F)	No. of appointments likely to be done on promotions	Faculty Action Plan for Direct Recruitment			
						Likely appointments in Sept'23	Likely appointments in Oct'23	Likely appointments in Nov'23	Likely appointments in Dec'23
1	IIT Bhilai	44	17	27	0	4	6	0	10
2	IIT Bhubaneswar	114	116	0	0	20	5	5	5
3	IIT Bombay	515	95	420					
4	IIT Delhi	52	155	0	30	2	3	2	2
5	IIT Dharwad	36	41	0	0	2	2	2	1
6	IIT Gandhinagar	53	24	29	Nil	1	1	1	1
7	IIT Goa	40	0	40					
8	IIT Guwahati	307	24	283	Direct Recruitment	10	10	10	10
9	IIT Hyderabad	88	55	33					
10	IIT Indore	72	60	12		0	4	4	4
11	IIT Jammu	38	32	6	0	3	3	2	1
12	IIT Jodhpur	101	136	0	Not Applicable	0	0	0	0
13	IIT Kanpur	382	88	294	Nil	10	10	10	10
14	IIT Kharagpur	795	174	621					
15	IIT Madras	482	142	340	35	Nil	Nil	Nil	19
16	IIT Mandi	71	80	0	0	7	7	8	8
17	IIT Palakkad	26	44	0	0	0	4	0	0
18	IIT Patna	97	32	65	0	0	0	6	6
19	IIT Roorkee	422	44	378	59	10	10	10	10
20	IIT Ropar	63	66	0	0	4	2	2	2
21	IIT Tirupati	16	13	3	0	0	0	0	0
22	IIT(BHU) Varanasi	270	30	240	Not Applicable	3	2	2	3
23	IIT(ISM) Dhanbad	441	73	368	15	10	10	10	10
	Total	4525	1541	3159	139	86	79	74	102

*(Actg. Asstt. Registrar)
(Faculty Affairs)*

01 September 2023



भारतीय प्रौद्योगिकी संस्थान कानपुर
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INDIAN INSTITUTE OF TECHNOLOGY KANPUR
REGISTRAR'S OFFICE

No. IITK/RO/MoE/2023/175
August 03, 2023

Shri. Nilesh Chandra Srivastava
Under Secretary (IITs),
Department of Higher Education,
Ministry of Education,
Shastri Bhawan,
New Delhi - 110001

Sub.: Admitted Lok Sabha Unstarred Question 2765 for answer on 07.08.2023 asked by Shri. Subbarayan K. regarding "Delay in Transferring of Funds to Research Institutes".

Dear Sir,

With reference to your email dated August 02, 2023 on the subject matter, I am directed to submit the following point wise reply in respect of IIT Kanpur:

(a) whether there has been a delay in transfer of funds from Central agencies to top research institutes such as IITs and IISc due to which the purchases at these institutes are on hold and the scientists have not been paid for a few months; and

Reply: There is no delay in receiving funds from the Central agencies. The Institute receives funds in time and on monthly basis.

(b) if so, the details thereof and if not, the reasons therefor?

Reply: Not applicable.

Prof. Braj Bhushan
Officiating Registrar

Copy to:
Director, IIT Kanpur - for information pl.



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No. IITK/RO/PQ/2023/172

Jul. 31, 2023

Shri Ashwini Kumar
Assistant Section Officer
Technical Section - I (IITs)
Department of Higher Education,
Ministry of Education,
Shastri Bhawan, New Delhi – 110 011

Sub: Lok Sabha Unstarred Diary no. 8167 to be answered on 04-08-2023 regarding 'Law Courses'.

Sir,

Kindly refer to your email dated July 31, 2023, regarding the subject cited above; the point-wise reply of the ibid email in regard to IIT Kanpur is as under:

a) The details of total seats available in integrated Law courses, LLB and LLM, in the country:

Response: IIT Kanpur does not offer any course in Law.

b) Whether there is a huge demand for introducing additional Law courses in Universities/Colleges in the country and if so, the details thereof, State/UT-wise and University/College-wise:

Response: Not applicable in view of a above.

c) The permission for number of seats granted to universities and colleges during the last three years, the current year and year-wise.

Response: The question does not pertain to IIT Kanpur in view of reply of question 'a' above.

d) Whether the Government proposes to introduce more distance learning Law Institutes both public and private employees to facilitate law education for a larger number of students in the country and if so the details thereof.

Response: The question does not pertain to IIT Kanpur in view of reply of question 'a' above.

e) The other measures being taken by the Government to increase the avenues for education in law in the country.

Response: The question does not pertain to IIT Kanpur in view of reply of question 'a' above.

Hope, you will find the above information in order.

Prof. Braj Bhushan
Officiating Registrar

Copy to: Director, IIT Kanpur



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No. IITK/RO/MoE/2023/170A

Jul. 27, 2023

Shri Ashwini Kumar
Assistant Section Officer
Technical Section - I (IITs)
Department of Higher Education,
Ministry of Education,
Shastri Bhawan, New Delhi – 110 011

Sub: Inputs for admitted unstarred LS PQ 1965.

Sir,

Kindly refer to your email dated July 26, 2023, regarding the subject cited above; the point-wise reply of the ibid email in regard to IIT Kanpur is as under:

a) Whether it is cognizant that 64% students from the third gender or LGBTQI community faces abuse and discrimination in educational institutions in the country:

Response: We have not received any formal complaint of abuse from any LGBT student.

b) If so, the present status of gender sensitization program available in educational institutions in the country, State-wise:

Response: Sensitization programs are conducted.

c) the details of the number of educational institutions with gender-neutral restrooms, State-wise.

Response: IIT Kanpur does not have gender-neutral restrooms.

Hope, you will find the above information in order.

Prof. Braj Bhushan
Officiating Registrar

Copy to: Director, IIT Kanpur



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No. IITK/RO/MoE/2023/170

Jul. 27, 2023

Shri Ashwini Kumar
Assistant Section Officer
Technical Section - I (IITs)
Department of Higher Education,
Ministry of Education,
Shastri Bhawan, New Delhi – 110 011

Sub: Urgent Lok Sabha Unstarred Question No. 1688 for 31.07.2023 regarding Indian Students Opting Foreign Universities.

Sir,

Kindly refer to your email dated July 26, 2023, regarding the subject cited above; the point-wise reply of the ibid email in regard to IIT Kanpur is as under:

a) Whether the Government has taken cognizance of the increasing popularity of public policy programmes and careers among Indian students and if so, the details thereof;

Response: IIT Kanpur has started the courses which have contents on Public Policy. This is expected to enhance the career prospective of the students.

b) Whether the Government has taken cognizance that Indian students are largely opting for foreign Universities and private institutions for these programmes;

Response: Yes, IIT Kanpur has taken a cognizance that some Indian students are opting for foreign universities and private institutions for such studies. So we are adding more Faculties in such an area who can teach and conduct research in policy area.

c) Whether the Government intends to coordinate with public Universities such as University of Delhi, IITs, JNU etc. to introduce Masters programmes in Public Policy/Public Administration to cater the requirements of the students and the professional sector;

Response: Such a proposal can be planned in future.

d) if so, the steps likely to be taken and the tentative timeline for the same and if not, the reasons thereof:

Response: We will implement it as soon as possible.

e) Whether the Government intends to engage with Academic Institutions, policy think tanks and experts in the field to design and implement these programmes:

Response: IIT Kanpur has offered the position of distinguished visiting Professor to several people who have done well in the area of Public Policy. This includes several Officers of Indian Administrative Services. Such appointed professors are participating in teaching the courses and delivering the lectures.

Hope, you will find the above information in order.

Prof. Braj Bhushan
Officiating Registrar

Copy to: Director, IIT Kanpur



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No. IITK/RO/MoE/2023/160

Jul. 18, 2023

Ms. Kavita Chauhan, US (IITs)
Department of Higher Education,
Ministry of Education
428-C, 'C' wing, Shastri Bhawan,
New Delhi – 110 011

Sub: Rajya Sabha Starred/Unstarred Question Diary No. S1814 and U1310, S1989, U1400 to be answer on 26.07.2023 regarding "How many students have committed suicide in IITs, IIMs, Medical & other higher educational institutes in the last 7 years.

Madam,

Kindly refer to your email dated July 18, 2023, regarding the subject cited above; the point-wise reply of the ibid email in regard to IIT Kanpur is as under:

a) the number of suicides reported in higher education institutions including IITs, NITs, Central Universities and IISERs since the year 2014;

Response: Number of suicides in IIT Kanpur - 2

b) the number of suicides due to caste discrimination and the plans of the Government to deal with the issue of increasing incidents of caste discrimination in educational institutions;

Response: Number of such cases - 0

Efforts by IIT Kanpur - IIT Kanpur has a SC/ST/OBC Cell. IIT Kanpur is committed to maintain a work environment wherein faculty, staff and student members from different communities can work in a coherent environment. It is the Institute's endeavour to ensure that no discrimination takes place. The Institute has appointed a Liaison Officer who can be contacted in the event of any incident of caste based discrimination.

c) whether the Government has conducted any study to analyse the root causes behind the increasing number of suicides in educational institutions; if so, the details thereof and if not, the reasons.

Response: The suicide cases were investigated by the police and the police could not determine the reasons.

The Institute, through the Counselling Services, has undertaken proactive steps to sensitize the student community about suicide related issues.

Hope, you will find the above information in order.

**Prof. Braj Bhushan
Officiating Registrar**

Copy to: Director, IIT Kanpur



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REGISTRAR'S OFFICE

No. IITK/RO/MHRD/2023/158
July 17, 2023

Ms. Kavita Chauhan
Under Secretary (IITs),
Department of Higher Education,
Ministry of Education,
Shastri Bhawan,
New Delhi - 110001

Sub.: Provisionally admitted Rajya Sabha Question Diary No.S454 to be answered on 26.07.2023 regarding the "Rising number of migration of Indian students to foreign countries" - reg.

Dear Madam,

With reference to your email dated July 14, 2023 on the subject matter, I am directed to submit the following point wise reply in respect of IIT Kanpur:

(a) The number of students who pursued their higher studies in foreign countries and subsequently have started working outside India in the past five years, details thereof;

Reply: A total number of 512 students from IIT Kanpur went for higher studies from 2019 to 2023. This data is based on the students who informed IIT Kanpur while leaving that they were going for higher studies abroad. However, such students do not report to IIT Kanpur about their employment status after completing their degree abroad.

(b) whether the government has any data or studies that analyze the reasons behind the migration of Indian students, particularly those with advanced degrees, details thereof;

Reply: IIT Kanpur does not have any such data. However, IIT Kanpur motivates students to pursue the higher studies in Indian institutions.

(c) whether the government has undertaken any initiatives to strengthen collaborations between Indian educational institutions and foreign universities to reduce the need for them to seek education abroad, details thereof; and

Reply: IIT Kanpur has a dedicated office of the Dean of International Affairs, enabling collaboration between IIT Kanpur and foreign universities. IIT Kanpur has signed MoUs with such universities to give them a joint degree.

(d) If not, the reasons therefore?

Reply: Not applicable.

Prof. Braj Bhushan
Officiating Registrar

Copy to:
Director, IIT Kanpur - for information pl.