

**Parliamentary Questions and Answers  
2018-19**

**Item I: Lok Sabha Unstarred Question No. 5629 to be answered on  
02.04.2018 regarding Complain of Harassment**

**Our Ref No.:** IIT/MHRD/2018/ , Dated: 02.04.2018

(a) Whether the Government is aware that some of the Scheduled Caste/Scheduled Tribe (SC/ST) employees have lodged complaints for harassment on the basis of Casteism in Ministry;	INSTITUTE'S REPLY: No.
(b) if so, the details thereof including the mechanism adopted for redressal of grievance/ complaints/ representations of Scheduled Caste and Scheduled Tribe employees;	INSTITUTE'S REPLY: Not applicable.
(c) the number of complaints received and disposed of during the last three years ;	INSTITUTE'S REPLY: Not applicable.
(d) the steps taken / being taken by the Government for their speedy disposal and to safeguard the interest of SC/ ST employees in the Ministry.	<p>INSTITUTE'S REPLY: The following steps have been taken by this Institute (IIT Kharagpur) to safeguard the interest of SC/ST employees.</p> <p>(i) A Liaison Officer has been appointed to maintain liaison with the SC/ST/OBC employees of the Institute.</p> <p>(ii) Individual grievances of SC/ST employees and grievances raised through SC/ST Employees Association are dealt with and settled with utmost care and top priority basis.</p> <p>(iii) Periodical consultations are held with the SC/ST Employees Association and also the IIT Employees Union to settle the grievances of the employees including that of SC/ST/OBC employees.</p> <p>(iv) The grievances/complaints as and when received from the SC/ST employees are immediately attended to. The employees dealing with these cases are trained in the matter.</p> <p>(v) The members of SC/ST Employees Association are permitted to attend the various sensitization programme organized by Government/other Institutions with financial support from the Institute.</p>

**Item II: Rajya Sabha provisionally admitted question diary No. S410 to be replied on 19.07.2018 regarding revenue generating by IITs**

**Our Ref No.:** IIT/KGP/RGR/R-1 (MHRD)/2018/67, Dated: 13.07.2018

Question (a)	Whether it is a fact that our IITs are generating revenue from inventions, research consulting and patents etc;
Institute Reply:	Yes, IIT Kharagpur carry out research and consultancy projects on cost basis and this

	does not add additional revenue to the Institute. However in some cases patents are licensed to generate license fee.																			
Question (b)	If so, the amount of revenue so generated by top five IITs for the last three years;																			
Institute Reply:	The details of net overhead from the research projects, consultancy and patents during last three years are as detailed below: <table border="1" data-bbox="418 262 1455 493"> <thead> <tr> <th rowspan="2">Year</th> <th colspan="3">Net Institute overheads</th> </tr> <tr> <th>Consultancy Project (in Rs. Lakh)</th> <th>Research Project (in Rs. Lakh)</th> <th>Technology Transfer / Licensing (in Rs. Lakh)</th> </tr> </thead> <tbody> <tr> <td>2015-16</td> <td>231 .00</td> <td>283.00</td> <td>1.50</td> </tr> <tr> <td>2016-17</td> <td>228.00</td> <td>363.00</td> <td>14.00</td> </tr> <tr> <td>2017-18</td> <td>261.00</td> <td>518.00</td> <td>10.50</td> </tr> </tbody> </table>	Year	Net Institute overheads			Consultancy Project (in Rs. Lakh)	Research Project (in Rs. Lakh)	Technology Transfer / Licensing (in Rs. Lakh)	2015-16	231 .00	283.00	1.50	2016-17	228.00	363.00	14.00	2017-18	261.00	518.00	10.50
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Question (c)	Whether the amount so generated is proportional to their annual budgetary allocation;																			
Institute Reply:	The amount of net overhead is not proportional to Annual budget allocation of the Institute.																			
Question (d)	If so, their allocation in last three years;																			
Institute Reply:	Not applicable.																			
Question (e)	If not, the reasons therefore?																			
Institute Reply:	Since major cost of IIT Kharagpur is for education and fundamental & translation research, the meagre amount of net overhead is not proportional to the Annual budget allocation.																			

**Item III: Information/inputs for Lok sabha Starred Question Dy No. 5368 on Centres of Excellence to be answered on 31.07.2018**

**Our Ref No.:** IIT/KGP/RGR/R-1(MHRD)/2018/74, Dated: 25.07.2018

Question (a):	Whether the Government has set up "Centres of Excellence" for technological development in order to make the Indian Capital Goods Sector globally competitive;
Institute Reply:	The DHI Centre of Excellence in Advanced Manufacturing Technology has been set up at the Indian Institute of Technology Kharagpur will deliver solutions to various industry specific problems. The centre is working on four broad areas namely, Specialty Materials, Design Fabrication and Automation, Additive Manufacturing, and Digital Manufacturing and Industrial Internet of Things. The centre offers a unique proposition for collaborative, consortium driven infusion of advanced technologies in the manufacturing sector, which is in harmony with the Make-in-India initiative of the Gol.
Question (b):	If so details thereof;
Institute Reply:	The details of various projects and activities under this centre can be found in the "Detailed Project Report", link provided below and also enclosed as Annexure-1. <a href="https://drive.google.com/open?id=1hLm3A8rgceJwI438zteHjEteln-nJhyo">https://drive.google.com/open?id=1hLm3A8rgceJwI438zteHjEteln-nJhyo</a>
Question (c):	The funds allocated and utilized by the Government for setting up of these centres, Centre and State-wise:
Institute Reply:	The total budget of this Centre of Excellence is Rs 65.19 Cr, out of which the contribution of the DHI, Gol is Rs 47.62 Cr, and the rest is obtained from the concerned industries as a membership amount. The "Approval letter" from the DHI can be found in the link mentioned below also enclosed as Annexure-2.

	<a href="https://drive.google.com/open?id=1SIHSqisiXsSsp_zLiOS7dxN4Ei6ElwI3">https://drive.google.com/open?id=1SIHSqisiXsSsp_zLiOS7dxN4Ei6ElwI3</a>
Question (d):	Whether the Government is planning to organize training programs beside R & D to educate people in professional skill sets; and if so the details thereof;
Institute Reply:	The centre is going to organize various training programs for the MSMEs, workshops, and brainstorming sessions in collaboration with the consortium industries for people across the country. Few of the programs which are going to be taken up in this year are listed below: (1) Three days workshop on Advanced Welding Techniques such as Friction Stir Welding, Laser Welding, and Electron Beam Welding, (2) Two days workshop on Additive Manufacturing and (3) One day brainstorming session on Industry 4.0.

**Item IV: Rajya Sabha Unstarred Question No. 2625 regarding "subsidized education in IITs and IIMs." to be replied on 09.08.2018**

**Our Ref No.:** IIT/KGP/RGR/R-1 (MHRD)/2018/90, Dated: 07.08.2018

Question (a)	Whether education in IITs / IIMs is substantially subsidized;
Institute's Reply	Yes, education in IIT Kharagpur is substantially subsidized
Question (b)	If so, the average expenditure per student in top five IITs and IIMs;
Institute's Reply	Average Expenditure incurred per Students per year Rs. 626234.
Question (c)	The share of this expenditure borne by student and the Institutes?
Institute's Reply	Share of Expenditure borne by GOI: 89.03% Share of expenditure over and above Grant In Aid borne by Students: 7.11 % Share of expenditure over and above Grant In Aid & Student Fees borne by Institute: 3.86%

**Item V: Rajya Sabha Unstarred Question No. 378 to be replied on 13.12.2018 regarding foreign students and faculty members in Institutes asked by Shri Ritabrata Banerjee.**

**Our Ref No.:** IIT/KGP/RGR/R-1/2018/163, Dated: 11.12.2018

Question (a)	The current percentage of foreign students and faculty members in both private and public institutes in the country.
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Institute's reply	<table border="1" data-bbox="560 94 1300 258"> <tr> <td colspan="2" data-bbox="560 94 917 174">Number of foreign students /faculty</td> <td colspan="2" data-bbox="917 94 1300 174">Percentage in respect of total students /faculty</td> </tr> <tr> <td data-bbox="560 174 750 216">Students</td> <td data-bbox="750 174 917 216">Faculty</td> <td data-bbox="917 174 1131 216">Students</td> <td data-bbox="1131 174 1300 216">Faculty</td> </tr> <tr> <td data-bbox="560 216 750 258">09</td> <td data-bbox="750 216 917 258">38*</td> <td data-bbox="917 216 1131 258">0.07</td> <td data-bbox="1131 216 1300 258">5.71</td> </tr> </table> <p data-bbox="488 258 954 296">*11(Full time) + 27(Full time equivalent)</p>	Number of foreign students /faculty		Percentage in respect of total students /faculty		Students	Faculty	Students	Faculty	09	38*	0.07	5.71
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Question (b)	The steps proposed to be taken by Government to increase their number especially in IITs.												
Institute's reply	<p data-bbox="488 394 821 426">In respect of foreign students:</p> <ol data-bbox="488 426 1442 636" style="list-style-type: none"> <li>i) Introduction of International Examination Centres for GATE and JEE (Advanced) to outreach the foreign students;</li> <li>ii) Established a separate Unit (i.e. International Relations) for foreign students headed by Deans;</li> <li>iii) Defining separate fee structure for foreign students;</li> <li>iv) Construction of International Hostels.</li> </ol> <p data-bbox="488 636 813 667">In respect of foreign faculty:</p> <ul data-bbox="509 678 1458 1988" style="list-style-type: none"> <li>• In order to fill up the vacant positions Institute invites applications from Indian nationals as well as foreign nationals (other than OCIs and NRIs) for faculty position for a fixed tenure not exceeding five years on contract subject to clearance from Government of India.</li> <li>• Besides foreign nationals are being appointed as visiting professor, distinguished visiting professor for faculty position by nomination from the Heads / Deans of the Institute.</li> <li>• In addition to the following steps are taken: <ul style="list-style-type: none"> <li>○ Applications are invited and accepted against a standing advertisement for faculty positions in the Institute website, throughout the year.</li> <li>○ Invitation of on-line applications from the candidates.</li> <li>○ The candidates from different parts of India or those who are residing / working abroad can appear in the seminar presentation in the concerned Department/Centre/School as per the convenience of the candidates. Candidates who are residing abroad can appear in the seminar presentation through video conferencing/skype at any time of the year or personally whenever they visit India.</li> <li>○ The candidates residing abroad can appear in the interview through video conference/Skype.</li> <li>○ Holding of selection committee meeting on regular basis, throughout the year.</li> <li>○ Advertisements in international journals to attract the attention of professionals abroad.</li> <li>○ Innovative Research Grant under the Institute Scheme for Innovative Research and Development (ISIRD) be provided to new faculty members up to a maximum of Rs.25 lakhs for equipment and infrastructure and an additional Rs.3 lakhs for consumables, contingency and travel. Additionally, a number of Research Challenge grants are available.</li> <li>○ Faculty Development Fund is also granted in connection with attending conferences in abroad subject to admissibility.</li> <li>○ An additional amount of Rs. 50,000/- is given to a faculty member for attending conferences abroad who is a Principal Investigator of a Sponsored Project amounting to at least Rs.15 Lakhs and has at least three Published Papers in referred journals in the preceding three years.</li> <li>○ Reimbursement of relocation charges within India / abroad of up to Rs. 1,50,000/- to the faculty members at the time of their joining.</li> </ul> </li> </ul>												

	<ul style="list-style-type: none"> <li>○ Interest free soft advance of Rs.50,000/- to the newly recruited faculty members.</li> <li>○ Transport Allowance and re-imburement of Telephone bills up to Rs 1500/- per month as per rules.</li> <li>○ Free local telephone facility in the Department as well as residence within the campus.</li> <li>○ Medical facility for self and other dependent family members in the B.C. Roy Technology Hospital within the campus and for referrals to Speciality Hospitals as per IIT Kharagpur rules.</li> </ul>
Question (c)	In what manner Government proposes to offer competitive salaries to foreign faculty members when some of India's topmost university professors and staff have complained about inadequate and delayed salaries.
Institute's reply	The Institute always adheres to the guidelines of the concerned Ministry regarding the payment of salaries to the Indian as well as foreign faculties. The Institute is also hiring international faculties for teaching short courses such as micro credit subject under GIAN Scheme of Government of India as well as from Institute's fund.
Question (d)	Whether these plans have been extended to humanities and social science disciplines as well and if so, the details thereof?
Institute's reply	The faculty members of Humanities & Social Sciences are entitled to enjoy same salary as per Government norms applicable for Science & Engineering departments.

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**Item VI: Lok Sabha Unstarred Question No. 2261 for answer on 24.12.2018.**

**Our Ref No.:** IIT/KGP/RGR/R-1/2018/166, Dated: 19.12.2018

Question (a)	Whether the Indian Institute of Technology (IIT) Kharagpur has decided to set up 'Rekhi' Centre.
Institute's reply	Yes. It was set up in July-August 2016.
Question (b)	If so, the details thereof along with the aims and objectives of the said Centre;
Institute's reply	To promote the science and practice of positivity for fostering meaningful life, happiness, well-being and holistic self- development.
Question (c )	The time by which it is likely to be made functional.
Institute's reply	It is functional since the last 2 years.
Question (d)	Whether IIT Kharagpur has also offered a certificate course on happiness and positive psychology.
Institute's reply	No certificate course is offered for outsiders yet. Courses are currently being offered for its own UG and PG students.
Question (e)	If so, the details thereof and the time by which the course is likely to be started?
Institute's reply	Courses for participants outside IIT Kharagpur are being considered. They might be offered in the next 12 to 18 months.

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**Item VII: Rajya Sabha provisionally admitted Question Dy. No. S2946 to be replied on 27.12.2018 regarding Foreign visits of academicians.**

**Our Ref No.:** IIT/KGP/RGR/R-1/2018/170, Dated: 21.12.2018

Question (a)	The number of Professions, Scientists, Research Scholars and Educationists visited foreign countries under the educational exchange programme during the last three years;	
Institute's reply:	Faculties & Scientists	Students & Research Scholars
	86	161
Question (b)	Whether most of the persons who visited foreign countries under the educational exchange programme belong to the metropolitan cities;	
Institute's reply:	IIT Kharagpur, being a residential academic institution, all Students and Research Scholars are residing in the different Halls of Residences and faculty members in the staff quarters. Kharagpur is not at all a Metropolitan City.	
Question (c)	If so, the separate details thereof, city-wise;	
Institute's reply:	Not applicable.	
Question (d)	The measures being taken by Government so that more persons particularly form other cities and regions of the country visit foreign countries under these exchange programme?	
Institute's reply:	The institute is having academic collaborations with various academic and research institutions in India and abroad. Multifarious initiatives have also been taken by the institute to encourage both teacher and taught to participate and exchange ideas in the various seminars and exchange programmes organized by different foreign institutions. We are signing several MOUs with foreign Universities to promote exchange of the students and visits of the Faculty members and scientists and officers.	

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**Item VIII: Rajya Sabha Unstarred Question No. 512 to be replied on 07.02.2019 regarding Centres for Artificial Intelligence.**

**Our Ref No.:** IIT/KGP/RGR/R-1/2018/163, Dated: 11.12.2018

<i>Question A:</i>	<i>whether the institutions of higher education like IITs have set up centres for Artificial Intelligence in view of increasing use of Artificial Intelligence (AI) technology in the world:</i>
<i>Institute's Reply</i>	IIT Kharagpur has set up a Centre for Artificial Intelligence in April 2018.
<i>Question B:</i>	<i>if so, the details thereof:</i>
	The Centre for Artificial Intelligence, IIT Kharagpur, aims to work on fundamental research, applied research, teaching and outreach, and enabling AI based entrepreneurship.
<i>Question C:</i>	<i>the courses proposed to be offered in these institutes; and</i>
	<p>The Centre aims to offer AI related courses to the students of IIT Kharagpur and outreach courses for capacity building and re-skilling of professionals and outside students.</p> <p>(a) A course on “Deep Learning Foundations and Applications” is being offered in the current semester to students of different levels and departments in IIT Kharagpur. More courses are planned for the coming semesters.</p> <p>(b) A 6-month weekend only Certificate course on “Foundations of Artificial Intelligence and Machine Learning” has been launched. The course will be initially offered from centres in Bengaluru, Kolkata and Kharagpur and possibly Hyderabad starting from March 2019. An advanced course on Machine Learning has been planned to be offered later. Several short-terms targeted courses on Artificial Intelligence/ Machine Learning are being planned.</p>
<i>Question D:</i>	<i>whether any collaboration is being made with global leaders in Artificial Intelligence and if so, the details thereof</i>
	The Centre for AI aims to work with Industry and Government on impactful projects. The Centre has initiated projects with ONGC, TCG Foundations and Haldia Petrochemicals and Capillary Technologies on some projects. It is also in discussion with several major Industries and startups to identify collaborations of interest.