

Question: Lok Sabha Starred Question no 374 to be replied on 12.12.2016 regarding “Education in Rural Areas” asked by Shri ADV. M. Udhayakumar.

(a) Whether majority of the students in Indian Institutes of Technology (IITs) are from cities and urban areas;	We do not have data for the urban or rural background of the candidates admitted in undergraduate programs of IITs in 2016. However, as per the data provided by these candidates, 75% of the candidates have appeared in their class XII examination from urban areas and remaining 25% from rural areas.
(b) If so, the details thereof and the reasons therefor ; and	We do not have further details, and cannot comment on the reasons for such distribution.
(c) the details of the steps taken by the Government to improve the accessibility of students from semi-urban and rural areas to the premier institutions like IITs?	This question may be replied by the Ministry of HRD that can take the matter at the IIT Council level.

Question: Lok Sabha Starred/Unstarred Question Dy. No.19007 regarding “knowledge platform for Brahmaputra river basin”.

(a) Whether there is any proposal to establish a centralised knowledge platform for the Brahmaputra river basins, if so, the details thereof;	Not applicable
<p>(b) Whether any report on the subject has been published by certain researchers/scholars involved in this field, if so, the details thereof;</p> <p>- Several faculty members in the Department of Civil Engineering are engaged in research and development pertaining to the diverse aspect of the Brahmaputra river system. These studies have contributed towards building a knowledge base for this complex river system. While these studies can be a part of creating a comprehensive knowledge system on the Brahmaputra, however, such a structure for the Brahmaputra in a systematic way is yet to be completely developed. IIT Guwahati can be a part of this initiative as most of the expertise required for the knowledge system can be made available in collaboration with the other allied departments and organizations.</p> <p>Some of the past and current research works carried out at IIT Guwahati are listed below.</p> <ol style="list-style-type: none"> <li>1. Developing an information system for the Brahmaputra (Sponsored by DST, Govt. of India)</li> <li>2. Mathematical Model Study of River Brahmaputra with Emphasis on Climate Change [Sponsored by CWC in collaboration with Brahmaputra Board]</li> </ol>	

3. An Integrated Approach for Snowmelt Hydrological Modelling at Downstream of Sikkim Glaciers (Sponsored by DST, Govt. of India)
4. Climatic Data Collection from Tea Garden and other Sources of Northeast India for Climate Change Study (A collaborative project between IIT Guwahati and Tea Associations of Northeast region, with concurrence of Climate Change Directorate of MoWR, Govt. of India)
5. Mathematical Modelling of Main stem Brahmaputra to Evaluate Impact of Climate Change on River Training Works, [taken up as B.P.Chaliha Chair professor]
6. Water Resource and Flood & Erosion Risk Mitigation Planning in Assam: Hydrodynamic Modelling and Climate Change Component [Sponsored by ASDMA, Govt. of Assam. In collaboration with Colombia University]
7. Development of Hydrodynamic Flood Information and Forecasting System using River Stage and Runoff, Seasonal Rainfall, DEM, and other Components of Hydroinformatics for a Major Flood Prone River Basin in Lower Assam” (Project is in collaboration with NESAC, India)
8. Spatio-Temporal Analysis of the Natural Resources in the Brahmaputra Basin (Sponsored by NRDMS, DST, Govt. of India)
9. GIS based Inventory of Rivers of the Northeastern India (Sponsored by Ministry of Env. and Forest)
10. Event based Flood Forecasting Model For Flood Hazard Mitigation (Sponsored by AICTE)
11. Remote Sensing-Based Study of the Erosion Problem of Agricultural field near Agyathuri Mitigation (Sponsored by ASTEC)
12. An integrated Hydrologic Modelling of the Brahmaputra Valley Brahmaputra (Sponsored by DST, Govt. of India)
13. Spatio-temporal analysis of Natural Resources in the Brahmaputra basin (Sponsored by NRDMS, DST, Govt. of India)
14. DTRL funded Project entitled” Flood modeling in Siang River (Sponsored by DTRL)
15. Probabilistic Flood inundation modeling of the Brahmaputra River (Sponsored by SAC, ISRO)
16. Assessment of snowmelt and glacier melt runoff contribution in upstream part of Teesta river catchment using hydrological modeling and field based measurements (Sponsored by DST, Govt. of India)
17. Morphological Studies of Rivers Brahmaputra, Subansiri and Pagladia using Remote Sensing Technique [Sponsored by CWC, Morphology Directorate, MoWR, Govt of India]
18. Mathematical Modelling of River Brahmaputra for evaluating bank protection measures proposed from Jatiabari to Nitmari [Sponsored by Water Resources Department, Govt. of Assam]
19. Mathematical Modelling of River Brahmaputra for evaluating bank protection measures proposed from Dhing to Hiloikhunda [Sponsored by Water Resources Department, Govt. of Assam]
20. Performance Evaluation of River Training Work taken up at Brahmaputra River Dholahati [Sponsored by Brahmaputra Board, Govt. of India, 2010]

<p>21. Downstream Impact Study of Subansiri Hydel Project, [Sponsored by National Hydroelectric Power Corporation, 2008]</p> <p>22. Bank protection of terminal/inland port of River Brahmaputra at Jamuguri (Sponsored by Inland Waterways Authority of India (IWAI])</p> <p>23. Probabilistic Flood inundation maps for Laxmipur District, Assam using Hydroinformatic concept [Sponsored by CDAC, Pune]</p> <p>24. Change in Snow Cover Area and Flow Scenario of the Brahmaputra and Subansiri Basins Due to Climate Change [PhD Thesis]</p> <p>25. Development of Optimal Operating Policy for Pagladia Multipurpose Reservoir [PhD Thesis]</p> <p>26. Simulation of Dam Break Hydraulic in Natural Flood Plain Topography [PhD Thesis]</p> <p>27. Optimal Operating Policy Considering Environmental Issues of Downstream [PhD Thesis]</p> <p>28. 2D Hydrodynamic Model for Brahmaputra River for Determining Optimal Bank Protection Measures for Worst Flow Scenario [PhD Thesis]</p> <p>29. Hydrological and hydrodynamic modeling under climate change scenarios in snow-glacier induced Himalayan catchment [PhD Thesis]</p> <p>30. Stochastic Erosion In The Composite Banks Of Alluvial River Bends [PhD Thesis]</p>	
<p>(c) The action taken/ to be taken by the Government in this regard?</p>	<p>Not applicable.</p>

Questions: Lok Sabha Unstarred Question no 3050 to be replied on 05.12.20016 regarding “Accreditation Status to IITs and IIMs”.

<p>(a) whether the Government has any plan to grant accreditation status to Indian Institutes of Technology (IITs) &amp; Indian Institutes of Management (IIMs) ;</p>	<p>Not Applicable.</p>
<p>(b) if so, the details thereof ; and</p>	
<p>(c) the aim and objectives of the Government to make IITs &amp; IIMs to become part of the accreditation system ;</p>	

Questions: Rajya Sabha Unstarred Question no 1803 to be replied on 01.12.2016 regarding “Training to teachers of engineering colleges in Uttar Pradesh and Assam”.

Answer:

<p>(a) whether Indian Institute of Technology (IIT) has started quality improvement programme in technical education to impart training to teachers of engineering colleges, if so, the details thereof ;</p>	<p>Since its inception, Indian Institute of Technology Guwahati (IITG) in its QIP programs offered</p> <p>(i) Number of Short Term Courses (STCs) as per the details given below:</p>
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	Year	No. of courses		
	2003-2004	04		
	2004-2005	11		
	2005-2006	12		
	2006-2007	12		
	2007-2008	14		
	2008-2009	13		
	2009-2010	09		
	2010-2011	13		
	2011-2012	12		
	2012-2013	-		
	2013-2014	08		
	2014-2015	22		
	Total	120		
	<b>(ii) M Tech and</b>			
	<b>(iii) PhD programs</b>			
(b) whether the teachers of engineering colleges of Uttar Pradesh and Assam have been trained through above or any other programme, if so, the details thereof; and	State-Wise Distribution of Teachers who have been trained through MTech/PhD program under QIP scheme since inception at IITG:			
	Sr. No.	State	No. of Candidates admitted in M Tech.	No. of Candidates admitted in PhD.
	1	Assam	16	26
	2	Andhra Pradesh	--	03
	3	Arunachal Pradesh	02	07
	4	Jharkhand	01	--
	5	Karnataka	01	10
	6	Kerala	01	03
	7	Manipur	01	02
	8	Orissa	17	06
	9	Tamil Nadu	01	01
	10	Uttar Pradesh	04	--
	11	Gujarat	01	02
	12	Sikkim	01	02
	13	Bihar	01	--
	14	Rajasthan	01	--
	15	West Bengal	01	01
	16	Maharashtra	--	01
	17	Tripura	01	--
	18	Chhattisgarh	--	01
	19	Uttarakhand	--	01
	Total		50	66
(c) the extent to which the above training is	As per the feedback received by QIP office of			

<p>helpful to improve the quality of teaching and research in engineering colleges ?</p>	<p>IIT Guwahati, rigorous training program offered by IIT Guwahati under various QIP Training Programs is highly appreciated and found very useful by the participants (Teachers of Engg. Colleges) who have attended these activities. As an example, the average rating on a 10-point scale was “08 and above” on the following points:  (a) The usefulness of the Training programs in terms of the course content and selection of topics,  (b) Integration of experimental research through laboratory exposure and  (c) On point that “the knowledge gained during such Training program is useful for their teaching or for personal professional advancement”.</p>
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Questions: Rajya Sabha Unstarred Question no 1036 to be replied on 24.11.2016 regarding “Promotion of technological innovations in IITs”

Questions	Answers
<p>(a) how many Indian Institutes of Technology (IITs) in the country have a separate unit for promotion of technological innovations and what has been the state of budgetary allocation to these units over the years;</p>	<p>Indian Institute of Technology Guwahati is having a separate unit for the promotion of technological innovation in the name of IITG-Technology Incubation Centre (TIC).  The state of budgetary allocations are : 2009-10 Rs.11,25,000/-, 2010-11 Rs.11,57,000/-, 2011-12 Rs.12,00,000/-, 2012-13 Rs.16,95,000/-, 2013-14 Rs.16,15,000/-, 2014-15 Rs.17,45,850 and 2015-16 Rs.12,27,000/-.</p>
<p>(b) whether there has been any attempt of evaluating the performance of these units/cells to promote innovation ;</p>	<p>Performance Evaluation Committee of IITG-TIC evaluate the performance of these units.</p>
<p>(c) the IITs that have performed better on innovation front;</p>	<p>There are 14nos of Start-ups originated from IITG- Technology Incubation Centre.</p>
<p>(d) whether IITs keep any track as to how many of the innovations conceived by IIT students have been successfully converted into a business proposition ; and</p>	<p>05 nos of companies are from IITG alumni.</p>
<p>(e) The view of the Ministry about the issues responsible for non-conversion of innovative concepts into business propositions?</p>	<p>Not applicable.</p>

Question: Lok Sabha Unstarred Question no 759 to be replied on 21.11.2016 regarding “Development of Rural India”

Questions	Answers
(a) Whether the higher education institutions in the country are running any programme or course related to the development of rural India;	Yes
(b) if so, the details thereof;	In July 2016, IIT Guwahati introduced : a. M.Tech. programme in Rural Technology. b. Ph.D. programme in Rural Technology.
(c) Whether the government proposes to take any steps for running development programme in order to connect the Government educational and technical institutions with rural areas in the country; and if so, the details thereof;	The required information may be available with the Ministry of Human Resource Development, Government of India.
(d) Whether any efforts are being made in this regard; and	Reply same as against query (c)
(e) if so, the details thereof;	Reply same as against query (c)

Question: Lok Sabha Unstarred Question no 855 to be replied on 21.11.2016 regarding “Girl students in IITs”

Questions	Answers								
(a) whether the percentage of admission of girl students in Indian Institute of Technology (IITs) is very low across the country;	The Percentage of admission of girl during the academic year 2015-16 as follows:								
(b) if so, the details thereof and the reasons therefor; and	<table border="1"> <thead> <tr> <th>Programme</th> <th>Percentage of admission of girl</th> </tr> </thead> <tbody> <tr> <td>Undergraduate</td> <td>8.38%</td> </tr> <tr> <td>Post-Graduate</td> <td>15.43%</td> </tr> <tr> <td>PhD</td> <td>26.24%</td> </tr> </tbody> </table>	Programme	Percentage of admission of girl	Undergraduate	8.38%	Post-Graduate	15.43%	PhD	26.24%
	Programme	Percentage of admission of girl							
	Undergraduate	8.38%							
Post-Graduate	15.43%								
PhD	26.24%								
(c) The details of the action being taken by the Government in this regard;	Admissions have been in term of merit as well as reservation policies of the Government of India.								

Question: Lok Sabha Unstarred Question 764 regarding Foreign Students in IITs (a) whether the Government has decided to allot 10% additional seats to foreign students in Indian Institutes of Technologies

Answer: Yes

Question: Lok Sabha Unstarred Question 764 regarding Foreign Students in IITs (b) if so, the details thereof

Answer: These seats will be supernumerary and they will not have any effect on the number of seats for Indian candidates.

Question: Lok Sabha Unstarred Question 764 regarding Foreign Students in IITs (c) whether the Government has identified examinations centers for these students in foreign countries;

Answer: Yes

Question: Lok Sabha Unstarred Question 764 regarding Foreign Students in IITs (d) if so, the details of the countries so identified and the other changes made by the Government in this regard to admission in IITs for Scheduled Caste/Scheduled Tribe and Persons with Disability (PWD) category Candidates;

Answer: Addis Ababa (Ethiopia), Colombo (Sri Lanka), Dhaka (Bangladesh), Dubai (UAE), Kathmandu (Nepal) and Singapore.

Foreign nationals are outside the ambit of reservation of seats under the OBC(NCL), SC, ST and PwD categories as mandated by Govt. of India

Question: Lok Sabha Unstarred Question 764 regarding Foreign Students in IITs (e) whether the Directors of IITs have opposed this move of outsourcing students in IITs; and

Answer: IIT Guwahati has supported this move.

Question: Lok Sabha Unstarred Question 764 regarding Foreign Students in IITs (f) if so, the reasons put forward by them and other steps taken or being taken by the Government for smooth conducting of admission in IITs?

Answer: Not applicable.

Question: Lok Sabha Unstarred Question 850 regarding “IITs and IIMs” (a) whether the Government is aware that the students admitted in Indian Institutes of Technology (IITs) and Indian Institutes of Management(IIMs) are dropping out mid-course in the country;

Answer : N/A

Question: Lok Sabha Unstarred Question 850 regarding “IITs and IIMs” (b) if so, the details thereof; institute-wise;

Answer : Statement on the number of drop-out students at IIT Guwahati, for academic year 2015-16, is as follows:

Academic Year	Number of Students dropouts
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	GEN	OBC(NCL)	SC
2015-16	4	2	4

Question: Lok Sabha Unstarred Question 850 regarding “IITs and IIMs” (c) the reasons for dropping the course by the students in such manner;

Answer : Students leave institutes before completing a course due to a variety of reasons like consistently poor academic performance, preference for non-engineering courses, personal problem etc.

Question: Lok Sabha Unstarred Question 850 regarding “IITs and IIMs” (d) whether the Government has devised or is devising any plan to make the courses of IITs and IIMs more successful and systematic;

Answer : N/A

Question: Lok Sabha Unstarred Question 850 regarding “IITs and IIMs” (e) if so, the details thereof;

Answer : To minimize students dropping out of academic programme, the institute has taken the following steps-

- i. To supplement usual classroom teaching-learning process, students are encouraged to participate in specially arranged hands-on learning process known as Flipped Learning. In this process, learning groups are formed with 6 to 10 students per group and in such special classes, the students by putting group efforts perform assignments that are easily reconfigurable to support a variety of instructional approaches. Specially arranged faculty members and tutors supervise and provide guidance throughout the process of Flipped Learning.
- ii. Some students face problems due to lack of English proficiency. Therefore to enhance proficiency in English, “English Language Course for Science & Technology” has been introduced for students, free of cost. Classes on “English Language Course for Science & Technology” have been conducted every semester since July 2014. These classes were earlier taken by resource persons from English Language Teaching department of Gauhati University. But, since July 2016, these classes are being conducted by Instructors specially appointed by the Institute for the purpose.

Question: Rajya Sabha provisionally admitted Questions Diary No U60 to be replied on 25.02.2016 a)The number of Schedule castes students enrolled in various IIT and IIM since last five years;

Answer: Statement on number of SC students enrolled at IIT Guwahati for last five years are as follows :

2011-12 : 579,

2012-13 : 668,

2013-14 : 723,

2014-15 : 764,

2015-16 : 798

Question: Rajya Sabha provisionally admitted Questions Diary No U60 to be replied on 25.02.2016 b) Whether the government has maintained any data on "opportunities availed by the scheduled castes students" after passing out from IIT and IIM; and

Answer: Not applicable

Question: Rajya Sabha provisionally admitted Questions Diary No U60 to be replied on 25.02.2016 c) If yes, the details thereof for each IIT and IIM for last 5 years ?

Answer: Not applicable

Question: Rajya Sabha provisionally admitted Question Diary No 5131 to be replied on 25.02.2016 asked by Shri P. L. Punia, M.P. (R.S.) regarding Counseling Centers for SC / STstudents a) whether it is a fact that incidents of harassment of students belonging to the

Answer: No such incidents reported by students at IIT Guwahati.

Question: Rajya Sabha provisionally admitted Question Diary No 5131 to be replied on 25.02.2016 asked by Shri P. L. Punia, M.P. (R.S.) regarding Counseling Centers for SC / ST students (b) whether counselling centres have been established in those institutes, if so,

Answer: There is no such specific counseling centre (meant for SCs and STs) in the Institute. However, Institute has a common Counselling Cell for all the students,

Question: Rajya Sabha provisionally admitted Question No 5821 for 03.03.2016 regarding "Suicides by SC/ST/OBC students" a) The number of students, including school and higher education students who have committed suicide year-wise and Institute-wise since 2013

Answer: The following numbers of students committed suicide / met accidental death in IIT Guwahati since 2013 :

2013:Nil,

2014: 03 (1 case is under police investigation),

2015: 01 (under police investigation),

2016 (tilldate): Nil

Question: The number of students, including school and higher education students who have committed suicide year-wise and Institute-wise since 2013 (b) The number of such students in each institution who belonged to the SC, ST, OBC communities

Answer: Number of students belonging to SC/ST/OBC -

SC: Nil, ST: Nil, OBC: 03 students

Question: The number of students, including school and higher education students who have committed suicide year-wise and Institute-wise since 2013 (c) Steps taken by Government to reduce these numbers

Answer: IIT Guwahati has several initiatives in place to encourage students to join de-stressing and other motivational/psychological activities. Some of the activities/facilities available in the Institute for benefit of students are:

1. A Counselling Cell with three full time Counselors, one part-time counsellor and one visiting Psychiatrist.
2. Mandatory counselling for all first year undergraduate students in 2 sessions,
3. A Campus Wellbeing Group to look after overall quality of life of students.
4. A Substance Abuse Prevention and to constantly look Remediation Committee after activities related to Substance Abuse.
5. Motivational lectures, YES+ workshops, interaction sessions, Art of Living workshops, Yoga workshops etc.
6. Well-equipped sports, gym facilities.
7. Students' Activity Center and Food Court.
8. Auditorium, Mini Auditorium, Community Hall, Open Stage for organizing various events and cultural programs frequently.
9. Organization of various events by five different boards, Students' Welfare Board, Cultural Board, Sports Board, Technical Board and Hostel Affairs Board
10. Organization of yearly events and festivals, e.g., Alcheringa, Techniche, Udgam, Advaya, Tech Evince, Kriti, Manthan, Spardha, Inter IIT Sports Meet etc.
11. Time to time screening of movies through Movie Club
12. Students can also engage themselves in various activities of their choice through different clubs earmarked for different activities.
13. Students' Activity Courses (non-credit) of their choice in the areas of Sports & Games, NCC, Community Service (CoS), Performing Arts.

Question: The number of students, including school and higher education students who have committed suicide year-wise and Institute-wise since 2013 (d) The reasons determined for these suicides

Answer: No specific reason could be established.

Question: Rajya Sabha provisionally admitted Question No S2560 for 10.03.2016 regarding "Free English tuition for SC/ST students of IITs". (a) Whether it is a fact that one of the chief problems faced by SC/ST students who make it to IITs is lack of English competen

Answer: Yes, some students face problems due to lack of English competence. Therefore to remediate English fluency "English Language Course for Science & Technology" is introduced for students.

Question: Rajya Sabha provisionally admitted Question No S2560 for 10.03.2016 regarding "Free English tuition for SC/ST students of IITs". (b)The steps institute is taking to tackle the problem;

Answer: At IIT Guwahati, English Language Classes have been conducted every semester since July 2014. These classes are taken by resource persons from ELT Dept., Gauhati University. There are about 120 students from IIT Guwahati who are assisted by the resource persons twice a week in groups of 20. There are six resource persons in each semester. The students are selected through English Proficiency Test. The main objective is to reinforce the English language skills, and to motivate and build confidence amongst the students.

Question: Rajya Sabha provisionally admitted Question No S2560 for 10.03.2016 regarding "Free English tuition for SC/ST students of IITs". (c) Whether institute considers to provide them free English tuition;

Answer: Yes. Institute provides remedial English classes free of cost.

Question: Rajya Sabha provisionally admitted Question No S2560 for 10.03.2016 regarding "Free English tuition for SC/ST students of IITs". (d) If so, the details thereof, and if not, the reasons therefore?

Answer: "English Language Course for Science & Technology" at IIT Guwahati is free for its students. The entire cost of remedial English classes including honorarium to special teachers, is borne by the Institute.

Question: Rajya Sabha provisionally admitted Question No S1069 for 10.03.2016 regarding "Peer assisted learning programme". (a) Details of Peer Assisted Learning programmes to be implemented in IITs:

Answer: The detail of Peer Assisted Learning programme is enclosed herewith as ANNEXURE A

Question: Rajya Sabha provisionally admitted Question No S1069 for 10.03.2016 regarding "Peer assisted learning programme". (b) Details of funding allocated by Government to each IIT for this scheme

Answer: Case does not arise.

Question: Rajya Sabha provisionally admitted Question No S1069 for 10.03.2016 regarding "Peer assisted learning programme". (c) Whether this scheme or any other has been created to ensure that IIT students not fluent English have academic and social support to help

Answer: Some students face problems due to lack of English competence. Therefore to remediate English fluency "English Language Course for Science & Technology" is introduced for students, free of cost.

Classes on "English Language Course for Science & Technology" have been conducted every semester since July 2014. These classes are taken by resource persons from ELT Dept., Gauhati University. There are about 120 students from IITG who are assisted by the resource persons twice a week in groups of 20. There are six resource persons each semester.

Question: Lok Sabha Unstarred Question No 2636 dated 14.03.2016 regarding "Dropout from courses". (a) Whether in the Indian Institute of Technology (IITs) and Indian Institute of Management (IIMs) there is a rise in the number of dropouts from courses; and

Answer: The number of dropouts fluctuates from year to year

Question: Lok Sabha Unstarred Question No 2636 dated 14.03.2016 regarding "Dropout from courses". (b) if so, the details thereof institution wise and the reasons therefor;

Answer: Statement on number of drop-out students at IIT Guwahati, during academic years

2011-12, 2012-13, 2013-14, 2014-15 and 2015-16 are as follows:

2011-12: General-1, OBC(NCL)-1, SC-2, ST-1, 2012-13: General-1, OBC(NCL)-1, SC-4, ST-3,

2013-14: General-3, OBC(NCL)-1, SC-4, ST-0, 2014-15: General-4, OBC(NCL)-2, SC-8, ST-1,

2015-16 (As on 08-03-2016) : General-4, OBC(NCL)-2, SC-4, ST-2

Question: Rajya Sabha Question No 1515 dated 10 March 2016 regarding "Fellowship of research degree". (a) The number of students pursuing research degrees, including M.Phil and Ph.D who receive fellowships from Government, year.wise since 2013

Answer: No. of students pursuing Ph.D. who receive fellowships from Government since year 2013.  
2013:246, 2014:311, 2015:356

Question: Rajya Sabha Question No 1515 dated 10 March 2016 regarding "Fellowship of research degree". (b) The average benefits of these fellowships, including stipend, tuition fee allowances and study grants;

Answer: The fellowship for Ph,D. students is Rs. 25000/- per month since 7/10/2015 onwards and before that it was Rs. 16000/- with M.Sc/M.A./B.E./B.Tech. background and Rs. 18000/- with M.Tech. background.

Question: Rajya Sabha Question No 1515 dated 10 March 2016 regarding "Fellowship of research degree". (c) The total budget allocated to research fellowships and the proportion disbursed, year-wise since 2013 ; and

Answer: 2013-14: Budget allocated(in lakhs)-2800.00, Disbursed(in lakhs)-2688.51 2014-15: Budget allocated(in lakhs)-3200.00, Disbursed(in lakhs)-3459.35 2015-16: Budget allocated(in lakhs)-5000.00, Disbursed(in lakhs)-4569.46

Question: The Question No 76 (a) whether the Government has maintained any data of the Indian Institute of Technology graduates migrated to foreign countries;

Answer: The Institute does not keep any data of its graduates migrating to foreign countries.

Question: The Question No 76 (b) if so, the details thereof during the last three years;

Answer: Not applicable

Question: The Question No 76 (c) whether the Government has taken any steps to check the brain drain;

Answer: Not applicable

Question: The Question No 76 (d) if so, the steps taken/being taken by the Government to bring the scientists and engineers working in the foreign countries back to the country?

Answer: Not applicable

Question: Rajya Sabha Question Diary No. S543 (a) Whether it is true that Government has decided

that class XII marks will be considered when it comes to the Joint Entrance Examination ranking;

Answer: Not Applicable

Question: Rajya Sabha Question Diary No. S543 (b) Whether it is also a fact that the announcement is expected to bring relief to students looking to grab a seat in a good engineering college;

Answer: Not Applicable

Question: Rajya Sabha Question Diary No. S543 (c) Whether it is also true that the JEE 2016 would be conducted as it was done in 2015, if so, the details thereof ?

Answer: Yes, JEE(Adv.) 2016 will be conducted as it was done in 2015. The only difference is in the number of candidates to be shortlisted from JEE(Main) to JEE(Adv.). In 2015, the number was 1.5 lakhs. For 2016, it is 2 lakhs.

Question: Rajya Sabha Question Diary No S1140 (a) how many teaching posts are vacant in IITs and since what time;

Answer: The vacancy is estimated from the 10:1 ratio of student:faculty followed in IIT Guwahati. The projected sanctioned strength of faculty members at IIT Guwahati is 518 and in position 403, as on date. So the vacant position is 115. This sanctioned strength varies from time to time depending on the number of students enrolled in successive academic year.

Question: Rajya Sabha Question Diary No S1140 (b) how much have been spent on faculty development in IITs during last five years; and

Answer: IIT Guwahati provides a professional Development Allowance of Rs1,00,000/- in every financial year to each faculty member to attend conference/symposium in India as well as abroad and pursuing research work for enhancement of knowledge.

Question: Rajya Sabha Question Diary No S1140 (c) what has been done to use Massive open online courses (MOOCS) and FLIPPED classroom for meeting faculty shortage in IITs ?

Answer: The problem of shortage of faculty is not severe in IIT Guwahati. Flipped classrooms are conducted to increase more interaction between teachers and students to develop problem solving skills of the students.

Question: Rajya Sabha Question Diary No S1139 (a) how many B Tech, M Tech and Ph. D holders from IITs have migrated to other countries during last 5 years;

Answer: The number of B Tech, M Tech and Ph D students from IIT Guwahati who have migrated abroad in the last five years is as follows:

2015-16 : 12, 2014-15 : 07, 2013-14 : 13, 2012-13 : 06, 2011-12 : 04 .

The data is based on the acceptance of placement offers by IIT Guwahati students in the last five years.

Question: Rajya Sabha Question Diary No S1139 (b) what has been the economic and other loss due to their migrating out;

Answer: The Institute does not have the data, means or mechanism to calculate the same.

Question: Rajya Sabha Question Diary No S1139 (c) how much have they contributed/donated to our IITs so far;

Answer: Donations and contributions received from former IIT Guwahati students for FY 2015-16 is Rs.30,99,722/-

Question: Rajya Sabha Question Diary No S1139 (d) What is the market capitalization of startups runs IITians in Silicon Vally USA?

Answer: Not applicable.

Question: Rajya Sabha Unstarred Question Diary No 551 a) the total number of SC, ST, OBC and other students enrolled in various Central Universities across the country in Undergraduate, post-graduate and Ph.D courses in the years 2013, 2014 and 2015, category-wise

Answer: Not applicable.

Question: Rajya Sabha Unstarred Question Diary No 551 (b) the total number of SC, ST, OBC and other students enrolled in various IITs, IIMs and AIIMS across the country in the years 2013, 2014 and 2015, category-wise;

Answer: The total number of SC, ST, OBC and other students enrolled at IIT Guwahati in the years 2013, 2014 and 2015 are as follows:

2013-14 : General-2664, SC-723, ST-342, OBC(NCL)-1162, Total-4891,

2014-15 : General-2788, SC-764, ST-353, OBC(NCL)-1281, Total-5186,

2015-16 : General-2956, SC-798, ST-389, OBC(NCL)-1390, Total-5533

Question: Rajya Sabha Question Diary No S2311 (a) Whether the IITs teach literature, culture, Art,

History, Psychology, Sociology etc. under Humanities and Social Sciences;

Answer: YES

Question: Rajya Sabha Question Diary No S2311 (b) If so, how much credit is given to these subjects;

Answer: 6 Credit X 4 Semester = 24 Credits in total

Question: Rajya Sabha Question Diary No S2311 (c) How does it compare with MIT and Stanford;

Answer: The Humanities and Social Sciences departments at IITs share the holistic and interdisciplinary attitude that characterizes similar departments at MIT and Stanford. There are NINE streams in the Department of Humanities and Social Sciences at IIT Guwahati, including Archaeology, Economics, English, History, Linguistics, Philosophy, Political Science, Psychology and Sociology. The members of faculty are involved in teaching as well as cutting-edge research in their disciplines, collaborating with their premier peers in India as well as internationally. This is evinced in the quality of research projects, publications and student feedback from taught courses. The department also hosts invited speakers of national and international repute consistently for seminars and talks.

Question: Rajya Sabha Question Diary No S2311 (d) How many PhDs were awarded by last three years under above subjects?

Answer: The number of PhD awarded for the last three years are as follows:

2012-13:03, 2013-14:10, 2014-15: 03

Question: Rajya Sabha Question diary No S522 - Admission of foreign students in IITs (a) Whether it is true that Indian Institute of Technology are planning to hold their entrance tests abroad from next year to admit foreign students;

Answer: IITs are already conducting their entrance tests in Dubai and foreign students are eligible to take admission in IITs

Question: Rajya Sabha Question diary No S522 - Admission of foreign students in IITs (b) if so, whether the foreign students are admitted in addition to our students or they are part of the total strength or there is any cap on foreign students to be admitted in IIT

Answer: Foreign students are admitted in IITs on supernumerary basis. The seats allotted to foreign students are in addition to the existing seats for Indian students with a cap of 10% of total number of seats in every course

Question: Rajya Sabha Question diary No S522 - Admission of foreign students in IITs (c) whether total number of seats available to Indian students will remain same;

Answer: The total number of seats available to Indian students will remain same.

Question: Lok Sabha Question Dy. No 10748 (c) the number of Assistant Professors. Associate Professors and Professors belonging to OBCs currently employed in the Central Universities and Indian Institutes of Technology;

Answer: As on 27.07.2016, the total number of faculty members (which includes Assistant Professors. Associate Professors and Professors) belonging to OBC category is 12

Question: Lok Sabha Question Dy. No 10748 (d) the total number of positions reserved for OBC's that have remained unfilled ?

Answer: There is no reservation for faculty position at IIT Guwahati. The 2nd Meeting of the reconstituted Standing Committee of IIT Council (SCIC) held on 11/2/2008 recommended reservation for SCs, STs and OBCs in direct recruitment of Faculty. The matter was put up in the 53rd, 54th and 58th Meetings of the Board held on 22/5/2008, 5/9/2008 and 6/9/2009, respectively The Board agreed with the decision of the Directors of all the IITs to seek exemption for IITs from reservations for faculty recruitment. However, the Board approved the following methodology for implementing reservations for all departments of the Institute, in case exemption is not agreed to after the appeal is made by all the IITs. In beginning of every academic year (July), the Institute will announce the number of positions to be filled up at the Assistant Professor level across all departments in the institute in the year. This number will depend on the number of total vacancies (based on a student: faculty ratio, as specified from time to time) and the needs of positions at various levels. Reservations of 15%, 71/2% and 27% reservation for SCs, STs and OBCs, respectively shall be applied to the positions so announced and selection committees shall interview candidates as per current norms and make appointments against the positions, keeping in mind the reservations, and the appointments already made through earlier selection committees in the year.

At the end of the year, all reserved positions that are not filled will be "de-reserved" and be available for filling up in the general category in the next year. For the next year, besides these positions that are "de-reserved", new positions will be declared.

Question: LSUSQ No 3573 (c) whether it is true that some IITs are also facilitating Start up India and if so, the details of IITs that are facilitating the same, IIT-wise;

Answer: IIT Guwahati is not a facilitator for Start up India.

Question: LSUSQ No 3573 (b) Whether any IIT is working/helping people, particularly engineering

graduates, under the Stand up India programme and if so, the details thereof, with a particular reference to Andhra Pradesh;

Answer: IIT Guwahati is not involved in it.

Question: Information about existence of SC/ST Cell & Liaisoning Officers in Indian Institutes of Technology (IITs)

Answer: Name of organization : IIT Guwahati Whether SC/ST Cell existing : Yes

If no, reason therefore and steps taken to create : N/A

Whether Liaison officer existing in SC/ST Cell : Yes

If no, reasons therefore and steps taken to nominate : N/A

Question: Rajya Sabha Unstarred Question to be answered on 04.08.2016 regarding “Migration of students after receiving subsidized education”

Answer: Campus Placement : No such specific data is available with the Institute Alumni Contribution (in Indian Rupees)

2014-15 National : 11,51,611/-

2015-16 National : 29,06,192/-

Question: Lok Sabha Question 4183 a) Whether the Government is aware that various fuels less (Energy Saver) machines / devices with efficiency approval 76% have been developed by the individual innovators and said machines tested by the Central Institute of Agriculture

Answer: Till date, no such testing has taken place at IIT Guwahati.