



भारतीय प्रौद्योगिकी संस्थान गुवाहाटी
INDIAN INSTITUTE OF TECHNOLOGY GUWAHATI

डॉ. सुरेश एस. एम.
Dr. Suresh S.M.
कुलसचिव
Registrar

गुवाहाटी / Guwahati-781039, भारत India
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Ref. : AD/249/PQ/LS-RS/06/ 249
Date: 26.02.2020

To
Sh. P.J. Soundararajan,
Under Secretary (IITs),
Department Of Higher Education,
Ministry of Human Resource Development,
Tele – 011 – 2338 1698

Sub. : Rajya Sabha provisionally admitted Question Diary No.S3328 to be replied on 05.03.2020 regarding “ ST, SC & OBC students in IITs”

Ref. : Your email dated 24.02.2020

Dear Sh. Soundararajan,

Inviting reference to the subject mentioned above received via e-mail dated 25.02.2020, kindly find hereunder the relevant information in respect of IIT Guwahati:

Sl. No.	QUESTION	REPLY
(a)	Total number of students admitted in PhD programs of each IIT along with their SC/ST/OBC composition, from 2015 onwards department-wise	The required information is provided herewith as ANNEXURE-A.
(b)	Number of instances of non-implementation of reservation in PhD that ministry has recorded in any department of IITS from 2015 onwards;	MHRD, Gol may suitably reply.
(c)	Number of complaints received by the Ministry from 2015 onwards alleging violation of reservation in PhD at IITs, the details thereof with current status; and	MHRD, Gol may suitably reply.
(d)	Initiatives under Government for SC/ST/OBC categories to increase the number of PhD applicants to IITs and to train them for securing selection in PhD programs at IITs?	MHRD, Gol may suitably reply.

With best regards.

Yours Sincerely

(Suresh S. M.)

Name of the IIT: IIT Guwahati						
Total number of students admitted in Ph.D Programms						
	SC	ST	OBC	EWS	Others	Total
2015	53	32	91	0	228	404
2016	53	23	69	0	239	384
2017	49	21	84	0	207	361
2018	40	24	73	0	238	375
2019	46	30	82	11	190	359
Total	241	130	399	11	1102	1883

Name of the IIT: IIT Guwahati						
Name of the Department	Category	2015	2016	2017	2018	2019
Computer Science and Engineering	SC	3	1	1	0	2
	ST	3	1	0	0	1
	OBC	6	1	1	4	1
	EWS	0	0	0	0	0
	Others	20	14	12	15	4
	Total	32	17	14	19	8
Electronics and Electrical Engineering	SC	3	4	0	3	2
	ST	4	1	1	1	1
	OBC	8	2	4	4	5
	EWS	0	0	0	0	3
	Others	28	26	12	25	17
	Total	43	33	17	33	28
Mechanical Engineering	SC	5	2	7	2	7
	ST	4	1	2	0	3
	OBC	11	7	10	11	10
	EWS	0	0	0	0	1
	Others	22	25	26	25	24
	Total	42	35	45	38	45
Civil Engineering	SC	7	8	3	4	4
	ST	5	2	5	5	2
	OBC	12	7	4	8	8
	EWS	0	0	0	0	0
	Others	21	33	22	28	16
	Total	45	50	34	45	30
Design	SC	3	2	1	2	2
	ST	5	0	1	0	0
	OBC	1	4	3	0	3
	EWS	0	0	0	0	0
	Others	14	10	7	9	6
	Total	23	16	12	11	11

...Contd P/2



Name of the Department	Category	2015	2016	2017	2018	2019
Biosciences and Bioengineering	SC	7	6	4	0	6
	ST	4	3	3	3	3
	OBC	8	7	8	4	5
	EWS	0	0	0	0	1
	Others	26	26	23	20	18
	Total	45	42	38	27	33
Chemical Engineering	SC	6	8	5	3	4
	ST	1	4	2	2	4
	OBC	13	10	12	1	2
	EWS	0	0	0	0	1
	Others	19	21	16	20	14
	Total	39	43	35	26	25
Physics	SC	3	2	5	6	2
	ST	1	1	0	1	2
	OBC	5	3	6	4	11
	EWS	0	0	0	0	1
	Others	13	17	16	18	21
	Total	22	23	27	29	37
Chemistry	SC	8	10	12	11	6
	ST	0	4	2	3	4
	OBC	13	18	19	17	16
	EWS	0	0	0	0	4
	Others	29	21	28	26	18
	Total	50	53	61	57	48
Mathematics	SC	3	1	2	3	2
	ST	0	0	0	1	1
	OBC	4	1	3	2	4
	EWS	0	0	0	0	0
	Others	14	5	4	13	14
	Total	21	7	9	19	21
Humanities and Social Sciences	SC	2	1	2	3	1
	ST	4	1	2	3	4
	OBC	1	1	5	5	7
	EWS	0	0	0	0	0
	Others	6	8	13	14	11
	Total	13	11	22	25	23
Centre for Energy	SC	1	3	2	1	1
	ST	1	1	2	1	2
	OBC	4	3	4	3	2
	EWS	0	0	0	0	0
	Others	8	11	11	11	8
	Total	14	18	19	16	13

...Contd P/3



Name of the Department	Category	2015	2016	2017	2018	2019
Centre for the Environment	SC	2	2	1	1	4
	ST	0	1	0	2	1
	OBC	3	3	3	4	2
	EWS	0	0	0	0	0
	Others	6	7	6	5	4
	Total	11	13	10	12	11
Centre for Nanotechnology	SC	0	2	2	0	2
	ST	0	0	1	0	0
	OBC	2	1	0	2	2
	EWS	0	0	0	0	0
	Others	2	4	4	4	5
	Total	4	7	7	6	9
Centre for Rural Technology	SC	0	1	2	0	1
	ST	0	1	0	1	2
	OBC	0	0	1	2	3
	EWS	0	0	0	0	0
	Others	0	6	4	3	6
	Total	0	8	7	6	12
Centre for Linguistic Science and Technology	SC	0	0	0	1	0
	ST	0	2	0	1	0
	OBC	0	1	1	2	1
	EWS	0	0	0	0	0
	Others	0	5	3	2	4
	Total	0	8	4	6	5





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ईमेल/ Email: registrar@iitg.ac.in

Ref. : AD/249/PQ/LS-RS/06/243
Date: 26.02.2020

To
Sh. P.J. Soundararajan,
Under Secretary (IITs),
Department Of Higher Education,
Ministry of Human Resource Development,
Tele – 011 – 2338 1698

Sub. : Rajya Sabha provisionally admitted Question Diary No.S2611, U21493 to be replied on 05.03.2020 regarding “ Delay in construction of permanent campus of educational institutions in Andhra Pradesh”
Ref. : Your email dated 25.02.2020

Dear Sh. Soundararajan,

Inviting reference to the subject mentioned above received via e-mail dated 25.02.2020, this is to inform you that the information sought is not relevant to IIT Guwahati.

Information Sought	Reply
a. Whether it has been a fact that there has been an inordinate delay in completion of permanent campus for educational institutions functioning from the temporary campus in the state of Andhra Pradesh;	Not Relevant to IIT Guwahati
b. If so, the reasons there for;	
c. Whether it is also a fact that construction work of educational institutions is yet to start;	
d. If so, the reasons there for;	
e. The steps taken/ being taken by the Central Government in this regard	

With best regards.

Yours Sincerely

(Suresh S. M.)



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Ref. : AD/249/PQ/LS-RS/06/258

Date: 02.03.2020

डॉ. सुरेश एस. एम.
Dr. Suresh S.M.
कुलसचिव
Registrar

To
Sh. P.J. Soundararajan,
Under Secretary (IITs),
Department Of Higher Education,
Ministry of Human Resource Development,
Tele – 011 – 2338 1698

Sub. : Rajya Sabha Unstarred Question No.1681 to be replied on 05.03.2020 regarding “ SC, ST, OBC students in IITs by Shri K. Somaprasad and Shri Elamaram Kareem”

Ref. : Your email dated 29.02.2020

Dear Sh. Soundararajan,

Inviting reference to the subject mentioned above received via e-mail dated 29.02.2020, the information pertaining to IIT Guwahati is as given below:

Sl. No.	QUESTION	REPLY
(a)	Total number of students admitted in PhD programs of each IIT along with their SC/ST/OBC composition, from 2015 onwards department-wise	The required information is provided herewith as ANNEXURE-A.
(b)	Number of instances of non-implementation of reservation in PhD that ministry has recorded in any department of IITS from 2015 onwards;	MHRD may suitably reply.
(c)	Number of complaints received by the Ministry from 2015 onwards alleging violation of reservation in PhD at IITs, the details thereof with current status; and	MHRD may suitably reply.
(d)	Initiatives under Government for SC/ST/OBC categories to increase the number of PhD applicants to IITs and to train them for securing selection in PhD programs at IITs?	MHRD may suitably reply.

With best regards.

Yours Sincerely

(Suresh S. M.)

Name of the IIT: IIT Guwahati						
Total number of students admitted in Ph.D Programms						
	SC	ST	OBC	EWS	Others	Total
2015	53	32	91	0	228	404
2016	53	23	69	0	239	384
2017	49	21	84	0	207	361
2018	40	24	73	0	238	375
2019	46	30	82	11	190	359
Total	241	130	399	11	1102	1883

Name of the IIT: IIT Guwahati						
Name of the Department	Category	2015	2016	2017	2018	2019
Computer Science and Engineering	SC	3	1	1	0	2
	ST	3	1	0	0	1
	OBC	6	1	1	4	1
	EWS	0	0	0	0	0
	Others	20	14	12	15	4
	Total	32	17	14	19	8
Electronics and Electrical Engineering	SC	3	4	0	3	2
	ST	4	1	1	1	1
	OBC	8	2	4	4	5
	EWS	0	0	0	0	3
	Others	28	26	12	25	17
	Total	43	33	17	33	28
Mechanical Engineering	SC	5	2	7	2	7
	ST	4	1	2	0	3
	OBC	11	7	10	11	10
	EWS	0	0	0	0	1
	Others	22	25	26	25	24
	Total	42	35	45	38	45
Civil Engineering	SC	7	8	3	4	4
	ST	5	2	5	5	2
	OBC	12	7	4	8	8
	EWS	0	0	0	0	0
	Others	21	33	22	28	16
	Total	45	50	34	45	30
Design	SC	3	2	1	2	2
	ST	5	0	1	0	0
	OBC	1	4	3	0	3
	EWS	0	0	0	0	0
	Others	14	10	7	9	6
	Total	23	16	12	11	11

...Contd P/2



Name of the Department	Category	2015	2016	2017	2018	2019
Biosciences and Bioengineering	SC	7	6	4	0	6
	ST	4	3	3	3	3
	OBC	8	7	8	4	5
	EWS	0	0	0	0	1
	Others	26	26	23	20	18
	Total		45	42	38	27
Chemical Engineering	SC	6	8	5	3	4
	ST	1	4	2	2	4
	OBC	13	10	12	1	2
	EWS	0	0	0	0	1
	Others	19	21	16	20	14
	Total		39	43	35	26
Physics	SC	3	2	5	6	2
	ST	1	1	0	1	2
	OBC	5	3	6	4	11
	EWS	0	0	0	0	1
	Others	13	17	16	18	21
	Total		22	23	27	29
Chemistry	SC	8	10	12	11	6
	ST	0	4	2	3	4
	OBC	13	18	19	17	16
	EWS	0	0	0	0	4
	Others	29	21	28	26	18
	Total		50	53	61	57
Mathematics	SC	3	1	2	3	2
	ST	0	0	0	1	1
	OBC	4	1	3	2	4
	EWS	0	0	0	0	0
	Others	14	5	4	13	14
	Total		21	7	9	19
Humanities and Social Sciences	SC	2	1	2	3	1
	ST	4	1	2	3	4
	OBC	1	1	5	5	7
	EWS	0	0	0	0	0
	Others	6	8	13	14	11
	Total		13	11	22	25
Centre for Energy	SC	1	3	2	1	1
	ST	1	1	2	1	2
	OBC	4	3	4	3	2
	EWS	0	0	0	0	0
	Others	8	11	11	11	8
	Total		14	18	19	16



Name of the Department	Category	2015	2016	2017	2018	2019
Centre for the Environment	SC	2	2	1	1	4
	ST	0	1	0	2	1
	OBC	3	3	3	4	2
	EWS	0	0	0	0	0
	Others	6	7	6	5	4
	Total	11	13	10	12	11
Centre for Nanotechnology	SC	0	2	2	0	2
	ST	0	0	1	0	0
	OBC	2	1	0	2	2
	EWS	0	0	0	0	0
	Others	2	4	4	4	5
	Total	4	7	7	6	9
Centre for Rural Technology	SC	0	1	2	0	1
	ST	0	1	0	1	2
	OBC	0	0	1	2	3
	EWS	0	0	0	0	0
	Others	0	6	4	3	6
	Total	0	8	7	6	12
Centre for Linguistic Science and Technology	SC	0	0	0	1	0
	ST	0	2	0	1	0
	OBC	0	1	1	2	1
	EWS	0	0	0	0	0
	Others	0	5	3	2	4
	Total	0	8	4	6	5





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Ref. : AD/249/PQ/LS-RS/06/ 272
Date: 04.03.2020

To
Sh. P.J. Soundararajan,
Under Secretary (IITs),
Department Of Higher Education,
Ministry of Human Resource Development,
Tele – 011 – 2338 1698

Sub. : Rajya Sabha Unstarred Question No.1681 to be replied on 05.03.2020 regarding “ SC, ST, OBC students in IITs by Shri K. Somaprasad and Shri Elamaram Kareem”

Ref. : Your email dated 03.03.2020

Dear Sh. Soundararajan,

Inviting reference to the subject mentioned above received via e-mail dated 03.03.2020, the information pertaining to IIT Guwahati is attached herewith as Annexure I in the excel format.

Sl. No.	QUESTION	REPLY
(a)	Total number of students admitted in PhD programs of each IIT along with their SC/ST/OBC composition, from 2015 onwards department-wise	The required information is provided herewith as ANNEXURE-I.
(b)	Number of instances of non-implementation of reservation in PhD that ministry has recorded in any department of IITS from 2015 onwards;	MHRD may suitably reply.
(c)	Number of complaints received by the Ministry from 2015 onwards alleging violation of reservation in PhD at IITs, the details thereof with current status; and	MHRD may suitably reply.
(d)	Initiatives under Government for SC/ST/OBC categories to increase the number of PhD applicants to IITs and to train them for securing selection in PhD programs at IITs?	MHRD may suitably reply.

With best regards.

Yours Sincerely

(Suresh S. M.)

Name of the IIT : IIT Guwahati						
Total number of students admitted in Ph.D programme						
Year	SC	ST	OBC	EWS	General	Total
2015	53	32	91	0	228	404
2016	53	23	69	0	239	384
2017	49	21	84	0	207	361
2018	40	24	73	0	238	375
2019	46	30	82	11	190	359
Total	241	130	399	11	1102	1883

Name of the IIT: IIT Guwahati						
Name of the Department	Category	2015	2016	2017	2018	2019
Computer Science and Engineering	SC	3	1	1	0	2
	ST	3	1	0	0	1
	OBC	6	1	1	4	1
	EWS	0	0	0	0	0
	General	20	14	12	15	4
	Total	32	17	14	19	8
Electronics and Electrical Engineering	SC	3	4	0	3	2
	ST	4	1	1	1	1
	OBC	8	2	4	4	5
	EWS	0	0	0	0	3
	General	28	26	12	25	17
	Total	43	33	17	33	28
Mechanical Engineering	SC	5	2	7	2	7
	ST	4	1	2	0	3
	OBC	11	7	10	11	10
	EWS	0	0	0	0	1
	General	22	25	26	25	24
	Total	42	35	45	38	45
Civil Engineering	SC	7	8	3	4	4
	ST	5	2	5	5	2
	OBC	12	7	4	8	8
	EWS	0	0	0	0	0
	General	21	33	22	28	16
	Total	45	50	34	45	30
Design	SC	3	2	1	2	2
	ST	5	0	1	0	0
	OBC	1	4	3	0	3
	EWS	0	0	0	0	0
	General	14	10	7	9	6
	Total	23	16	12	11	11

Biosciences and Bioengineering	SC	7	6	4	0	6
	ST	4	3	3	3	3
	OBC	8	7	8	4	5
	EWS	0	0	0	0	1
	General	26	26	23	20	18
	Total	45	42	38	27	33
Chemical Engineering	SC	6	8	5	3	4
	ST	1	4	2	2	4
	OBC	13	10	12	1	2
	EWS	0	0	0	0	1
	General	19	21	16	20	14
	Total	39	43	35	26	25
Physics	SC	3	2	5	6	2
	ST	1	1	0	1	2
	OBC	5	3	6	4	11
	EWS	0	0	0	0	1
	General	13	17	16	18	21
	Total	22	23	27	29	37
Chemistry	SC	8	10	12	11	6
	ST	0	4	2	3	4
	OBC	13	18	19	17	16
	EWS	0	0	0	0	4
	General	29	21	28	26	18
	Total	50	53	61	57	48
Mathematics	SC	3	1	2	3	2
	ST	0	0	0	1	1
	OBC	4	1	3	2	4
	EWS	0	0	0	0	0
	General	14	5	4	13	14
	Total	21	7	9	19	21
Humanities and Social Sciences	SC	2	1	2	3	1
	ST	4	1	2	3	4
	OBC	1	1	5	5	7
	EWS	0	0	0	0	0
	General	6	8	13	14	11
	Total	13	11	22	25	23
Centre for Energy	SC	1	3	2	1	1
	ST	1	1	2	1	2
	OBC	4	3	4	3	2
	EWS	0	0	0	0	0
	General	8	11	11	11	8
	Total	14	18	19	16	13
Centre for the Environment	SC	2	2	1	1	4
	ST	0	1	0	2	1
	OBC	3	3	3	4	2
	EWS	0	0	0	0	0
	General	6	7	6	5	4
	Total	11	13	10	12	11

Centre for Nanotechnology	SC	0	2	2	0	2
	ST	0	0	1	0	0
	OBC	2	1	0	2	2
	EWS	0	0	0	0	0
	General	2	4	4	4	5
	Total	4	7	7	6	9
Centre for Rural Technology	SC	0	1	2	0	1
	ST	0	1	0	1	2
	OBC	0	0	1	2	3
	EWS	0	0	0	0	0
	General	0	6	4	3	6
	Total	0	8	7	6	12
Centre for Linguistics Science and Technology	SC	0	0	0	1	0
	ST	0	2	0	1	0
	OBC	0	1	1	2	1
	EWS	0	0	0	0	0
	General	0	5	3	2	4
	Total	0	8	4	6	5



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Ref. : AD/249/PQ/LS-RS/06/ 292
Date: 05.03.2020

To
Sh. P.J. Soundararajan,
Under Secretary (IITs),
Department Of Higher Education,
Ministry of Human Resource Development,
Tele - 011 - 2338 1698

Sub. : Rajya Sabha Unstarred Question Diary No.U2701 to be replied on 12.03.2020 regarding " teaching posts vacant in IITs and NITs"

Ref. : Your email dated 02.03.2020

Dear Sh. Soundararajan,

Inviting reference to the subject mentioned above received via e-mail dated 03.03.2020, the information pertaining to IIT Guwahati is as given below.

Sl. No.	QUESTION	REPLY
(a)	Whether large number of teaching posts are vacant in various IITs and NITs;	There is a shortage of 230 faculty members across all departments in IIT Guwahati
(b)	If so, the details of such vacant posts of each Central University and respective subjects in which the posts are vacant;	Same as (a) above
(c)	Whether Government has taken any steps to fill the vacancies;	Govt. may suitably reply.
(d)	If so, the details thereof; and	Same as (c) above
(e)	If not, the reason therefor?	Same as (c) above

With best regards.

Yours Sincerely

(Suresh S. M.)



भारतीय प्रौद्योगिकी संस्थान गुवाहाटी
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ईमेल / Email: registrar@iitg.ac.in

Ref. : AD/249/PQ/LS-RS/06/ 309
Date: 11.03.2020

To
Arun Kumar Karn,
Assistant Section Officer, TS – 1,
Department Of Higher Education,
Ministry of Human Resource Development,

Sub. : Rajya Sabha Provisionally admitted Question Diary No. U1698 for 12.03.2020 regarding “ Students discontinued studies from the national institutes”
Ref. : Your email dated 06.03.2020

Dear Mr. Karn,

Inviting reference to the subject mentioned above received via e-mail dated 06.03.2020, the information pertaining to IIT Guwahati is as given below.

Sl. No.	Question	Reply
(a)	Whether the ministry wish to share the total number of students from all the national institutes including IIT, IIM, AIIMS, NIT, NID, National Law School, who discontinued studies before completing the courses in the last 5 years in the chronological order of year of exit (I semester, II semester, III semester etc.	Number of students who discontinued their studies at IIT Guwahati is provided at ANNEXURE-A
(b)	If so, the details thereof ; and	The required information is provided herewith at ANNEXURE-A.
(c)	If not, the reasons therefor?	Case does not arise

With best regards.

Yours Sincerely

(Suresh S. M.)

Annexure A																	
Academic Years		Semester															
		1st Sem	2nd Sem	3rd Sem	4th Sem	5th Sem	6th Sem	7th Sem	8th Sem	9th Sem	10th Sem	11th Sem	12th Sem	13th Sem	14th Sem	15th Sem	16th Sem
2014-15																	
BTechBDes		1	1	0	0	0	2	1	2	3	3	0	1	0	1	0	0
MA		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MSC		0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0
MTech/Mdes/MS(R)		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PhD including Dual		2	2	1	0	3	3	0	2	1	0	1	0	0	0	0	0
PhD degree		3	3	4	0	3	5	1	4	4	3	1	1	0	1	0	0
Total																	
2015-16																	
BTechBDes		0	1	3	2	0	0	2	0	0	0	0	0	0	0	0	0
MA		0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MSC		0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MTech/Mdes/MS(R)		0	0	5	2	0	0	0	0	0	0	0	0	0	0	0	0
PhD including Dual																	
PhD degree		1	2	2	3	2	0	3	1	2	0	1	0	0	1	0	0
Total		1	5	10	7	2	0	5	1	2	0	1	0	0	1	0	0
2016-17																	
BTechBDes		0	0	2	1	3	1	1	1	1	1	1	1	0	0	0	0
MA		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MSC		0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MTech/Mdes/MS(R)		0	3	3	1	0	0	0	0	0	0	0	0	0	0	0	0
PhD including Dual																	
PhD degree		0	0	1	2	1	2	0	0	3	3	0	2	1	0	0	1
Total		0	4	6	4	4	3	1	1	4	4	1	3	1	0	0	1

2017-18		1st Sem	2nd Sem	3rd Sem	4th Sem	5th Sem	6th Sem	7th Sem	8th Sem	9th Sem	10th Sem	11th Sem	12th Sem	13th Sem	14th Sem	15th Sem	16th Sem
BTechBDes	0	0	2	0	2	0	0	0	0	0	0	11	0	0	0	0	0
MA	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MSC	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MTech/Mdes/MS(R)	0	5	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
PhD including Dual	0	2	0	1	0	2	1	0	0	0	0	1	0	0	0	0	1
PhD degree	0	10	3	2	2	2	1	0	0	0	0	12	0	0	0	0	1
Total	0	10	3	2	2	2	1	1	0	0	0	12	0	0	0	0	1

2018-19		1st Sem	2nd Sem	3rd Sem	4th Sem	5th Sem	6th Sem	7th Sem	8th Sem	9th Sem	10th Sem	11th Sem	12th Sem	13th Sem	14th Sem	15th Sem	16th Sem
BTechBDes	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
MA	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MSC	0	2	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0
MTech/Mdes/MS(R)	2	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PhD including Dual	0	0	4	7	0	4	1	8	1	2	2	0	0	2	1	2	3
PhD degree	0	7	4	11	1	4	1	8	1	2	2	0	0	2	1	2	3
Total	2	7	4	11	1	4	1	8	1	1	2	0	0	2	1	2	3

2019-20		1st Sem	2nd Sem	3rd Sem	4th Sem	5th Sem	6th Sem	7th Sem	8th Sem	9th Sem	10th Sem	11th Sem	12th Sem	13th Sem	14th Sem	15th Sem	16th Sem
BTechBDes	0	0	2	0	0	1	0	1	0	0	0	0	0	0	0	0	0
MA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MSC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MTech/Mdes/MS(R)	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PhD including Dual	0	1	0	1	1	3	0	1	1	2	1	1	1	2	0	1	0
PhD degree	0	1	4	1	2	3	0	1	1	2	1	1	1	2	0	1	0
Total	0	1	4	1	2	3	1	1	1	2	1	1	1	2	0	1	0



भारतीय प्रौद्योगिकी संस्थान गुवाहाटी
INDIAN INSTITUTE OF TECHNOLOGY GUWAHATI

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Ref. : AD/249/PQ/LS-RS/06/ 318
Date: 11.03.2020

To
P. J. Soundararajan,
Under Secretary (IITs),
Department Of Higher Education,
Ministry of Human Resource Development,

Sub. : Urgent – Additional Inputs required for answering Rajya Sabha Starred Question No. 199 for 12.03.2020


Ref. : Your email dated 11.03.2020

Dear Sh. Soundararajan,

Inviting reference to the subject mentioned above received via e-mail dated 11.03.2020, the information pertaining to IIT Guwahati is enclosed herewith as Annexure I.

With best regards.

Yours Sincerely


(Suresh S. M.)

Annexure I

Sl No.	Name of the IIT	Category	Total no. of SC/ST/PH students and students with income of less than Rs. 1 lakh and less than 5 lakh who are benefitted by tuition fee waiver (Year-Wise)				
			2016-17	2017-18	2018-19	2019-20	Total amount waived
1	IIT Guwahati	SC	402	406	421	446	261680000
		ST	190	192	202	215	126530000
		PH	93	171	259	356	31460000
		less than Rs. 1 lakh	119	231	320	395	175800000
		From 1 lakh to 5 lakh	51	55	46	49	213000000
		Total	855	1055	1248	1461	808470000



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Ref. : AD/249/PQ/LS-RS/06/330
Date: 13.03.2019

To
P. J. Soundararajan,
Under Secretary (IITs),
Department Of Higher Education,
Ministry of Human Resource Development,

Sub. : Rajya Sabha Starred Question No. 268 (13th position) for 18.03.2020 regarding "Disaster Management Courses in Schools and Colleges"

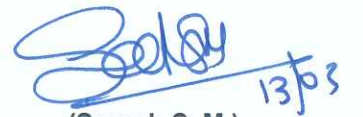
Ref. : Your email dated 13.03.2020

Dear Sh. Soundararajan,

Inviting reference to the subject mentioned above the information pertaining to IIT Guwahati is enclosed herewith as Annexure I.

With best regards.

Yours Sincerely


(Suresh S. M.) 13/03

Rajya Sabha Starred Question No: 268

SI No	Information Sought	Reply
A	Whether India is well equipped to tackle natural and man-made disasters	The required information is not related to IIT Guwahati
B	If so, what re the formulated plans or course of action to handle such situations	
C	Whether the National Disaster Management Authority(NDMA) is coordinating with Municipal Corporations to spot unsafe buildings and strengthen them to withstand tremors	
D	If so, the State and UT-wise details thereof	
E	The details of state-wise representations received for the aforesaid cause; and	
F	Whether government plans to introduce Disaster Management course in schools and colleges to increase awareness and preparedness amongst youngsters ?	Presently, IIT Guwahati is not offering any programme on Disaster Management.



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To
Sh. P. J. Soundararajan
Under Secretary to the Government of India
Department of Higher Education
Ministry of Human Resource Development
Shastri Bhawan, New Delhi – 110 001

संदर्भ / Ref.: AD/249/PQ/LS-RS/06/ 351
दिनांक / Date: 17.03.2020

Sub : Most Urgent – Lok Sabha Unstarred Question No. 4716 to be replied on 23.03.2020 regarding
“Dual Degree” .

Ref : Your email dated 17.03.2020.

Dear Sh. Soundararajan,

Inviting regards to the subject mentioned above, please find attached information pertaining to IIT Guwahati as per the Proforma given by the Ministry as Annexure I.

With regards,

भवदीय / Yours sincerely,


कुलसचिव / Registrar 17/03

Enclo.: As stated above

Lok Sabha Provisionally admitted Question Diary No. 4716

Sl. No.	Question	Reply
(a)	Whether IIT, Delhi, Mumbai and others have made a provision for awarding the dual degree of M.Tech or M.B.A. along with B.Tech in 5 years period in place of 6years as in the past;	a) Presently, IIT Guwahati do not offer any Dual M.Tech or MBA degree with B.Tech in 5 years period.
(b)	If so, the details thereof ; and	Case does not arise.
(c)	Whether the Government will direct IIT Council to commence such dual degree courses in all of its 25 IIT institutes on the line of IIT Delhi etc. and	The Ministry of Human Resource Development, Government of India may suitably reply
(d)	If so, the details thereof ; and	The Ministry of Human Resource Development, Government of India may suitably reply.



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To
L. Raghavendran
Section Officer (TS-1)
Department of Higher Education
Ministry of Education
Shastri Bhawan, New Delhi – 110 001

संदर्भ / Ref.: AD/249/PQ/LS-RS/06/695
दिनांक / Date: 15.09.2020

Sub : Lok Sabha Parliament Question Dy. No. 1152 to be replied on 19.09.2020 - reg.

Ref : Your email dated 12.09.2020.

Dear Raghavendran,

Inviting regards to the subject mentioned above, the information pertaining to IIT Guwahati is as given below:

a) Whether the student suicides have increased during the lockdown, due to lack of access to digital means;	NO
b) the number of student suicides in the SC, ST, OBC and EWS categories;	None
c) the number of suicides in the age of 18-30 years after the imposition of lockdown, and the reasons thereof, and	None
d) the number of suicides in the students who were to appear for the NEET and JEE exams?	Not applicable.

With regards,

भवदीय / Yours sincerely,


15/9/2020
कुलसचिव / Registrar



भारतीय प्रौद्योगिकी संस्थान गुवाहाटी
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To
Sh. P. J. Soundararajan
Under Secretary to the Government of India
Department of Higher Education
Ministry of Human Resource Development
Shastri Bhawan, New Delhi – 110 001

संदर्भ / Ref.: AD/249/PQ/LS-RS/06/ 634
दिनांक / Date: 17.08.2020

Sub : Assurance to Lok Sabha Unstarred Parliament Question No. 2904 - reg.

Ref : Your email dated 10.08.2020.

Dear Sh. Soundararajan,

Inviting regards to the subject mentioned above, please find attached information pertaining to IIT Guwahati as per the Proforma given by the Ministry as Annexure I.

With regards,

भवदीय / Yours sincerely,

कुलसचिव / Registrar

Enclo.: As stated above

Annexure I

Name of the Organisation : Indian Institute of Technology Guwahati

Sl. No.	Group/Category	Sanctioned Strength	Present Strength	No. of vacant post from the last 3 years	Details of measures taken to fill the vacancies
01	Group A	108	86	22	05 posts are promotional. Steps are being taken to fill up the rest of the vacant posts
02	Group B (Non Gazetted)	281	223	58	31 posts are promotional. Steps are being taken to fill up the rest of the vacant posts
03	Group C	219	202	17	12 posts are promotional. Steps are being taken to fill up the rest of the vacant posts



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To
P. J. Soundararajan
Under Secretary (IITs)
Department of Higher Education
Ministry of Education
Shastri Bhawan, New Delhi – 110 001

संदर्भ / Ref.: AD/249/PQ/LS-RS/06/7/8
दिनांक / Date: 18/09/2020

Sub : Rajya Sabha Provisionally admitted Unstarred Question No. U1433 for answer on 22.09.2020 regarding "Online Recruitment in Higher Educational Institutions (HEIs)" - reg.

Ref : Your email dated 18.09.2020.

Dear Soundararajan,

Inviting regards to the subject mentioned above, the information pertaining to IIT Guwahati is attached as Annexure I as per the proforma given by the Ministry.

With regards,

भवदीय / Yours sincerely,

कुलसचिव / Registrar

Annexure I

INDIAN INSTITUTE OF TECHNOLOGY (IITs)

Provisionally Admitted RSUSQ No. U1433 for 22.09.2020

Regarding : Online Recruitment in Higher Educational Institutions (HEIs)

Asked : Prof. Manoj Kumar Jha

S.No.	Name of the IITs	teaching staff that has been recruited in Higher Educational Institutes (HEIs) and Central Universities (CUs) across the country through online selection committees;	the number of non-teaching staff that have been recruited in HEIs and CUs across the country through online selection committees, institution-wise details; and	the protocol developed to curb unfair practices by candidates and to ensure fair selection by the Ministry and/or respective HEIs, if so, the details thereof?
1	IIT Guwahati	Nil	Nil	NA



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To
P. J. Soundararajan
Under Secretary (IITs)
Department of Higher Education
Ministry of Education
Shastri Bhawan, New Delhi

संदर्भ / Ref.: AD/249/PQ/LS-RS/06/ 704
दिनांक / Date: 15.09.2020

Sub : Rajya Sabha Unstarred Question No. 518 for answer on 17.09.2020 regarding "Entrance exams conducted by the Central Government" - reg.

Ref : Your email dated 14.09.2020.


Dear Soundararajan,

Inviting regards to the subject mentioned above, the information requested is as given below:

a) The total number of students that have appeared for entrance exams conducted by the Central Government for the past three years and the details of number of students who have registered for the same in the year 2020;	Information may be obtained from the following JEE (Advanced) Organizing Institutes year wise as follows: 1. For 2020: IIT Delhi 2. For 2019: IIT Roorkee 3. For 2018: IIT Kanpur 4. For 2017: IIT Madras
b) The total number of candidates belonging to reserved category that have appeared for these exams since the last three years; and	
c) The details of entrance exams conducted by the Central Government which have been postponed past September 2020?	For GATE entrance examinations, please refer to Annexure I For JAM entrance examinations, please refer to Annexure II Govt. may suitably reply

With regards,

भवदीय / Yours sincerely,


कुलसचिव / Registrar

Answer to (a)

GATE year	Registered	Appeared	Qualified
2017	922197	787148	129149
2018	992301	832875	133517
2019	927616	770681	140955
2020	858890	685088	127410

Answer to (b)

Reserved Category 2017

Category -2017	Registered	Appeared	Qualified
General	424632	357956	63982
OBC	343919	300472	43125
SC	117497	98509	17092
ST	36149	30211	4950

Reserved Category 2018

Category-2018	Registered	Appeared	Qualified
General	452541	374405	65004
OBC (NCL)	371662	319998	45883
SC	128414	105552	17671
ST	39684	32920	4959

Reserved Category 2019

Category -2019	Registered	Appeared	Qualified
General	419532	343068	66754
OBC	345005	294402	48298
SC	119604	97880	19408
ST	38119	31188	5554

Reserved Category 2020

Category -2020	Registered	Appeared	Qualified
General	344268	268038	48721
General-EWS	54194	44923	10558
OBC-NCL	307072	252929	43382
SC	111311	86563	18535
ST	37141	29036	5356

Organizing Institutes:

GATE 2017 – IIT Roorkee

GATE 2018 – IIT Guwahati

GATE 2019 – IIT Madras

GATE 2020 – IIT Delhi

Annexure II

Answer to (a)

JAM year	Registered	Appeared	Qualified
2017	51393	49896	14360
2018	57855	55498	14526
2019	69685	66958	19685
2020	69015	62654	14597

Answer to (b)

Reserved Category 2017

Category -2017	Registered	Appeared	Qualified
General	27967	24424	7290
OBC	17068	15136	3506
SC	4647	3931	1863
ST	1711	1376	464

Reserved Category 2018

Category-2018	Registered	Appeared	Qualified
General	31220	27027	8182
OBC	19407	17026	3882
SC	5358	4578	2017
ST	2045	1662	552

Reserved Category 2019

Category -2019	Registered	Appeared	Qualified
General	36027	30998	10674
OBC	24530	21458	5653
SC	6564	5554	2673
ST	2564	2083	685

Reserved Category 2020

Category -2020	Registered
General	31432
General-EWS	4267
OBC	24071
SC	6604
ST	2641

Organizing Institutes:

JAM 2017 – IIT Delhi

JAM 2018 – IIT Bombay

JAM 2019 – IIT Kharagpur

JAM 2020 – IIT Kanpur



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To
Mr. L. Raghavendran
Section Officer (TS-1)
Department of Higher Education
Ministry of Education
Shastri Bhawan, New Delhi – 110 001

संदर्भ / Ref.: AD/249/PQ/LS-RS/06/ 743
दिनांक / Date: 24.09.2020

Sub : Lok Sabha Unstarred Question Dy. No. 13025 to be replied on 28.09.2020 - reg.

Ref : Your email dated 22.09.2020.

Dear Raghavendran,

Inviting regards to the subject mentioned above, please find the required information pertaining to IIT Guwahati in the attached file.

With regards,

भवदीय / Yours sincerely,


कुलसचिव / Registrar

Excel file prepared from the award file received from R&D

LSUS Diary No. 13025 for 28.09.2020 regarding "Innovative Researches Conducted by IIT Guwahati

Sl.No	Name of the IIT	LSUS Diary No. 13025 for 28.09.2020 regarding "Innovative Researches Conducted by IIT Guwahati		
		Part (a) Please give details for the last 3 years 2017, 2018, 2019 and also for 2020	Part (b) & (c) If, yes give details	Part (d) & (e)
1	IIT Guwahati	<p>1) Developed porous radiant burners for cooking applications with fuel (LPG, Biogas, kerosene) saving up to 40 %. Developed methanol based cooking stoves and drafted BIS Standard for methanol stoves. Developed kerosene fuelled porous radiant burner for space heating in high altitude Indian army applications. Developed novel porous radiant burner for medical waste incinerator. Developed metal hydride based hydrogen purification system for generator cooling in thermal power plant. Developed and integrated high temperature thermal energy storage system with solar thermal power plant application for continuous power generation.</p> <p>2) Second generation of polycentric knee joint</p> <p>3) Third generation of polycentric knee joint</p> <p>4) Formulated a methodology to make a socket for transfemoral and transtibial amputees</p> <p>5) Developed a multi-axis ankle joint to walk on uneven surface</p> <p>6) Developed a knee brace system for the early-stage treatment of osteoarthritis of the knee</p>	<p>1) Developed cook stove with porous radiant burner can save about 20,000 cr per year if it is commercialised. Developed medical waste incinerator save about 5 lakh per year. Developed high altitude kerosene fuelled porous radiant burner is more effective and will not produce any harmful soot or NOx. Hydrogen purification up to 100 % was achieved with even 50 % purity level.</p>	<p>2 and 3,4,5,6, are for the common people.</p>

	<p>7) Tailored meta-grid of nanoparticles for boosting performance and lifetime of LEDs (Research conducted by Dr Debabrata Sikdar (EEE Dept, IT Guwahati in Collaboration with Imperial College London)</p>	<p>7) Currently the invention has been demonstrated theoretically, and the process of developing a prototype is going on. As LED is widely used by common men in different aspects of day-to-day life, this invention will definitely be useful to common people in diverse ways, as this invention will make LEDs brighter with lesser energy and long-lasting. It also has a huge scope in the indoor agriculture of the future India, where LED light can be used for plant growth around the clock as a source of visible light. In such application, LEDs with more light output and longer lifetime will definitely bring down the cost of the produce and increase overall productivity.</p>	
	<p>8) Modelling RTI Act query logs to quantifying transparency, effectiveness of RTI Act: implementation and identifying possible amendments through Machine Learning methods.</p>	<p>For point No. 08 to 42 (as given below)</p>	

9) **Fast simulation framework for High-level Synthesis (HLS):** HLS converts high-level programs written in C/C++ into hardware (RTLs). This work proposed a faster simulator for verification of HLS. The tool is shown to be 1000 times faster than the existing commercial simulator used for HLS.

10) **Dual-Domain Single Image De-Raining Using Conditional Generative Adversarial Network:** In this work, we propose a self-sufficient bad-weather improvement methodology. The goal is to produce a de-rained image, given a rainy image. Applications: Autonomous Vehicles, On-device AI – Smartphones, Surveillance in Bad-Weather

Open source software: Tartarus: An Agent (Static & Mobile) Platform (Supports Windows, Ubuntu, Raspbian). It can be used to program and embed intelligence into autonomous agents that can migrate and execute programs carried by them within a network of PCs, Laptops, Raspberry Pis, Robots, all connected via LAN/Wifi. Supports multiple agent creation, migration across devices, cloning, payload carrying ability, culling, and many more. Video:

<https://www.youtube.com/watch?v=VeryfntT5TK>

Applications: Several, including embedding federated learning, decentralized intelligence, networked robotics, IoT/CPS, Railways, vehicle & traffic management, agrilogistics, etc. (Papers published for each of these can be found at the following link

[:http://www.iitg.ac.in/cse/robotics/?page_id=484](http://www.iitg.ac.in/cse/robotics/?page_id=484))

Applications: Several, including embedding federated learning, decentralized intelligence, networked robotics, IoT/CPS, Railways, vehicle & traffic management, agrilogistics, etc. (Papers published for each of these can be found at the following link

[:http://www.iitg.ac.in/cse/robotics/?page_id=484](http://www.iitg.ac.in/cse/robotics/?page_id=484))

Agriculture: An application of Tartarus to Agrilogistics has been described in the research paper available at:
[https://link.springer.com/chapter/10.1007%2F978-3-030-45293-](https://link.springer.com/chapter/10.1007%2F978-3-030-45293-3_7)

11) **Predictive Intelligent Softbots on the Cloud: US Patent Awarded. US 10325212 B1,**
Issued on 18-June-2019.

12) **Design and Development of Social Security Threat Assessment Framework through Opinion Mining and Sentiment Analysis of Social Media**
Content: The system performs various forms of analysis such as sentiment analysis on public opinions, trend detection, event monitoring at different location, relation analysis, event tracking etc.

13) **Hardware Security:** The fab-less IC design industry is at risk of IC counterfeiting and Intellectual Property (IP) theft by untrusted third party foundries. Several security measures have been proposed as counter measures.

14) **E-varaha: Information System for Safe Pork Production in North-Eastern India:** It is a consortium project with partners from Tezpur university, Manipur University, NRC Pig Rani, ICAR Shillong, ICAR-RCNEH, CAU. IIT Guwahati led the IT partners. The system performs various image and symptom based health diagnosis, tracability of pig/pork to ensure quality of port, communication between different stakeholders.

15) Scale-aware conditional generative adversarial network for image dehazing: In this work, we propose a self-sufficient bad-weather improvement methodology. The goal is to produce a de-hazed image, given a hazy image. Autonomous Vehicles, On-device AI – Smartphones, Surveillance in Bad-Weather, Real-Time Tracking/ Missile Communication

16) Formal Verification of Compilers: Formal verification of compiler optimizations has been proposed and shown useful for verification of practical compiler used in high-level synthesis.

17) IOT Security: In many practical applications including agriculture there are needs for real time computing devices that are used in internet of things. They have limited computing power, storage, and energy. So this had led to the research direction of resource constrained cryptography. Also there are network security issues that has to be handled in IOT environment in 6LOWPAN protocol.

18) Deep Learning based Image De-raining using Discrete Fourier Transformation: In this work, we propose a self-sufficient bad-weather improvement methodology. The goal is to produce a de-rained image, given a rainy image.

19) Understanding the strengths and weaknesses of Cricket players: Using short text commentary data.

20) Formal Modeling of Network-on-chip (NoC): Formal modeling and verification of NoC is a challenge due to its complexity. A CFSSM based formal models of NoC is done and a formal CFSSM based simulator has been developed to verify deadlock in NoCs.

21) **High-Resolution Image De-Raining using Conditional GAN with Sub-Pixel Upscaling:** In this work, we propose a self-sufficient bad-weather improvement methodology. The goal is to produce a de-rained image, given a rainy image. Applications: Autonomous Vehicles, On-device AI → Smartphones, Surveillance in Bad-Weather 2020

22) **Ntire 2019 challenge on image colorization report:** This work aims to produce the colorized version of an image, given grayscale. Applications: Automatic Movie Colorization System 2019.

23) **Aim 2019 challenge on bokeh effect synthesis:** This work aims to induce Bokeh effect in an image.

24) **A QoE Aware SVC Based Client-side Video Adaptation Algorithm for Cellular Networks:** In this work, we propose an efficient client-side adaptation algorithm for Adaptive video streaming that attempts to maximize the overall Quality of Experience (QoE) of an end user.

25) **A QoE Aware LSTM based Bit-Rate Prediction Model for DASH Video:** In this work, we propose a deep learning model efficient client-side adaptation algorithm for Adaptive video streaming that attempts to maximize the overall Quality of Experience (QoE) of an end user.

26) **Deep Learning based Prediction Model for Adaptive Video Streaming:** In this work, we propose a Deep Neural Network based model that selects the appropriate video bit-rates in order to maximize the overall QoE of a user. Video Streaming Applications, Also could be deployed in the Edge Computing of 5G Networks.

27) **Client-Side QoE Management for SVC Video Streaming:** An FSM Supported Design Approach: In this paper, we present a client-side finite-state machine (FSM) supported quality of experience (QoE) centric video bit-rate adaptation and management mechanism.

28) **A Resource Allocation Framework for Adaptive Video Streaming Over LTE:** In this work, we present "Adaptive Video Streaming Architecture", an efficient resource allocation framework that attempts to maximize Quality of Experience (QoE) for a set of users

29) **QoE Aware Resource Allocation for Multi-View Video Flows in LTE:** In this work we propose the problem of scheduling a set of multi-view videos as an optimization problem which attempts to maximize aggregate QoE.

30) **Steganalysis for clustering modification directions steganography:** In this work, a novel steganalysis method is proposed which detects the trace of hidden information in an image that is clustered along certain directions. Detecting communication of covert information using digital images

31) **Buffer Aware Three Level Scheduler for Video Streaming over LTE:** This paper proposes a buffer-aware downlink scheduling framework (called BA-TLS) for streaming video applications.

32) A New Steganalysis Method Using Densely Connected ConvNets: In this work, a deep learning based steganalysis method is proposed which can efficiently detect the hidden secret information within a given digital image.

33) Steganalysis using Learned Denoising Kernels: In this work, a deep learning based steganalysis method is devised which replace the need of fixed filters used for preprocessing, and perform better with a shallower classifier when detecting the trace of hidden information in digital images.

34) Steganalysis using Learned Denoising Kernels: In this work, a deep learning based steganalysis method is devised which replace the need of fixed filters used for preprocessing, and perform better with a shallower classifier when detecting the trace of hidden information in digital images.

35) Steganalysis using Learned Denoising Kernels: In this work, a deep learning based steganalysis method is devised which replace the need of fixed filters used for preprocessing, and perform better with a shallower classifier when detecting the trace of hidden information in digital images.

36) Steganalysis using Learned Denoising Kernels: In this work, a deep learning based steganalysis method is devised which replace the need of fixed filters used for preprocessing, and perform better with a shallower classifier when detecting the trace of hidden information in digital images.

<p>37) Steganalysis using Learned Denoising Kernels: In this work, a deep learning based steganalysis method is devised which replace the need of fixed filters used for preprocessing, and perform better with a shallower classifier when detecting the trace of hidden information in digital images.</p>	<p>38) Multiple Instance Learning based Deep CNN for Image Memorability Prediction: This work aims to predict how memorable an object is in the image.</p>	<p>39) Object Memorability Prediction using Deep Learning: Location and Size Bias: This work aims to predict how memorable an object is in the image.</p>	<p>40) Object Memorability Prediction using Deep Learning: Location and Size Bias: This work aims to predict how memorable an object is in the image.</p>	<p>41) SIFT Based Video Watermarking Resistant to Temporal Scaling: A blind video watermarking scheme is proposed which can resist temporal scaling such as frame dropping and frame rate adaptation due to scalable compression by exploiting the scale invariance property of the scale invariant feature transform (SIFT)</p>	<p>42) View Invariant DIBR-3D Image Watermarking Using DT-CWT: In this proposed scheme, 2D-dual-tree complex wavelet transform (2D-DT-CWT) coefficients of centre view are used for watermark embedding such that shift invariance and directional property of the DT-CWT can be exploited to make the scheme robust against view synthesis process</p>
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		<p>43) Development and validation of predictive methodologies for design of microchannel based heat exchangers (MCHX) for future applications have been carried out. MCHX will be helpful in indigenous development of power electronics, battery technology etc.,.</p>	<p>For defence research, automobile and aviation industries</p>	
		<p>44) Developed a new theoretical model for the liquid vapour interface, commonly found in passive cooling devices like heat pipes. Hence proposed a new figure of merit for such devices.</p>	<p>This work can be used in the design and development of better heat pipes for terrestrial as well as space applications.</p>	



भारतीय प्रौद्योगिकी संस्थान गुवाहाटी
INDIAN INSTITUTE OF TECHNOLOGY GUWAHATI

डॉ. सुरेश एस. एम.
Dr. Suresh S.M.
कुलसचिव
Registrar

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Ref.: AD/249/PQ/LS-RS/06/180
Date: 29.01.2021

To
Mr. P. J. Soundararajan
Under Secretary (IITs)
Department of Higher Education
Ministry of Education
Shastri Bhawan, New Delhi

Sub.: Lok Sabha Question Diary No. 400 and 571 to be answered on 03.02.2021 regarding "Institute in
NER'- reg.

Ref : Your e-mail dated 27.01.2021.

Dear Mr. Soundararajan,

With reference to the e-mail on the subject cited above, kindly find hereunder the relevant information in
respect of IIT Guwahati.

SI No.	Information sought	Reply
(a)	Whether the Government has any special policy to create, promote and develop higher educational institutes in the North Eastern Region, if so, the details, thereof;	Proposal of IIT Guwahati is attached herewith as Annexure I
(b)	Whether there is any special provision to protect and promote the rich and diverse traditions, language, culture and biodiversity of NE region;	Govt. may suitably reply.
(c)	If so, the details thereof;	NA
(d)	Whether there is any special provision to protect and promote such diversity and richness of the NE region that is rich in traditions, language, culture and biodiversity; and	IIT Guwahati have started speech in Assamese language in addition to English to promote local language during Republic and Independence days. Govt. may suitably reply about other provisions to protect and protect the diversity and richness of the NE Region.
(e)	Whether all the States in the NE region have been provided with a central university; if so, the details thereof?	Govt. may suitably reply.

With regards,

Yours Sincerely,


REGISTRAR 29/1

Proposal of IIT Guwahati as part of 5-Year Vision Document and 100-days Action Plan for North Eastern Region

Vision

Introduction

The main purpose to prepare this **Vision** document is to assemble and identify few impactful activities that would be very specific, measurable and outcome oriented and which would be presented to various Ministries / Departments against the Office Memorandum, F. No. 8-4/2019-NER, Dated: 25th June, 2019. Indian Institute of Technology Guwahati (IITG), has prepared a **Vision** plan as well as 100 days **Action** plan for North Eastern Region (NER) that would fully utilize the capabilities of IITG with activities and major projects incorporated into it that are closely related to the mandate of various ministries. It focuses on the utilization of technological advancements to every corner of the NER to bring about a major socio-economical change involving all the stakeholders and fulfill the aspirations of a secure and better future.

Purpose

The purpose to bring out this **Vision** document by IITG is to utilize its capability and expertise that would contribute significantly to the development of various sectors encompassing the entire NER region.

Scope

The scope of this **Vision** document includes various aspects of Societal development involving Innovation and Agro-based Entrepreneurship initiatives, basic healthcare sector improvement, disaster preparedness, water management, village development programs, talent, skill and hands on training workshops including higher education sector, empowering citizens with knowledge and resources in a timely manner.

Overview

This **Vision** document provides explanation on the various plans of actions and the impactful outcomes that are likely to result by implementation of the various strategic programs through the Ministry of DoNER and are likely to impact the entire NER, especially rural empowerment and major social-economic development. Each program depicts the Concept Note, Objectives, Timelines, Deliverables and Budget requirements for the successful implementation in the NER. IITG would be responsible for the planning, execution and monitoring of all the described schemes and projects in this **Vision** document.

Contact

Prof. T. G. Sitharam

Director, Indian Institute of Technology Guwahati

Guwahati-781039. Assam

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Ref.: AD/249/PQ/LS-RS/06/183
Date: 01.02.2021

To
Mr. P. J. Soundararajan
Under Secretary (IITs)
Department of Higher Education
Ministry of Education
Shastri Bhawan, New Delhi

Sub.: Lok Sabha Unstarred Question Diary No. 3153 to be answered on 08.02.2021 regarding "Students admitted in PhD programmes"- reg.

Ref : Your e-mail dated 29.01.2021.

Dear Mr. Soundararajan,

With reference to the e-mail on the subject cited above, kindly find attached herewith as Annexure I, the relevant information in respect of IIT Guwahati.

With regards,

Yours Sincerely,


REGISTRAR

Encl. : As stated above.

Annexure I

Lok Sabha Unstarred Diary No. 3153 Answer Date 08.02.2021

S.No.	Name of the Institute	Name of the Department	No. of Ph.D Student Department Wise					Total
			GEN	SC	ST	OBC	EWS	
1	IIT Guwahati	Biosciences and Bioengineering	21	6	3	8	1	39
2	IIT Guwahati	Chemical Engineering	11	6	3	13	2	35
3	IIT Guwahati	Chemistry	19	8	3	12	6	48
4	IIT Guwahati	Civil Engineering	23	5	2	13	4	47
5	IIT Guwahati	Computer Science and Engineering	19	1	0	4	1	25
6	IIT Guwahati	Design	10	2	2	2	1	17
7	IIT Guwahati	Electronics and Electrical Engineering	24	3	1	19	3	50
8	IIT Guwahati	Humanities and Social Sciences	12	2	5	5	6	30
9	IIT Guwahati	Mathematics	21	0	0	7	2	30
10	IIT Guwahati	Mechanical Engineering	32	8	2	12	7	61
11	IIT Guwahati	Physics	25	8	4	16	7	60
12	IIT Guwahati	Centre for Energy	3	4	1	3	1	12
13	IIT Guwahati	Centre for Environment	9	1	0	1	0	11
14	IIT Guwahati	Centre for Nano Technology	4	3	0	2	0	9
15	IIT Guwahati	Centre for Linguistic Science and Technology	2	0	2	1	2	7
16	IIT Guwahati	Centre for Rural Technology	5	1	1	2	0	9
17	IIT Guwahati	Interdisciplinary	7	1	0	0	0	8
			247	59	29	120	43	498





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Ref.: AD/249/PQ/LS-RS/06/ 193

Date: 02.02.2021

To
Ms. Henna Kumar
Technical Section – I (IITs)
Department of Higher Education
Ministry of Education
Shastri Bhawan, New Delhi

Sub.: Lok Sabha Unstarred Question No. 2904 for 10.07.2019 – reg.

Ref : Your e-mail dated 01.02.2021.

Dear Ms. Kumar,

With reference to the e-mail on the subject cited above, kindly find attached herewith as Annexure I, the relevant information in respect of IIT Guwahati.

With regards,

Yours Sincerely,


REGISTRAR

Encl. : As stated above.

Sl. No.	Group/Category	Sanctioned Strength	Present Strength	No. of vacant post from the last 3 years	Details of measures taken to fill the vacancies
01	Group A (Faculty)	642	408	234	IIT Guwahati has a "rolling web based advertisement" for faculty positions. Faculty can apply any time during the year. Generally, selections are held at least once a year for each Department. Visiting appointments are sometimes given if very good candidates apply and selections are due some months away.
02	Group A (Non Gazetted Officers)	116	85	31	Recruitment is being done from time to time to fill up the vacancies
03	Group B (Non Gazetted)	286	209	77	
04	Group C	242	216	26	





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Ref.: AD/249/PQ/LS-RS/06/237

Date: 09.02.2021

To
Mr. P. J. Soundararajan
Under Secretary (IITs)
Department of Higher Education
Ministry of Education
Shastri Bhawan, New Delhi

Sub.: Rajya Sabha Unstarred Question No. 1221 for 11.02.2021 regarding Vacant Posts under Ministries
– reg.

Ref : Your e-mail dated 09.02.2021.

Dear Soundararajan,

With reference to the e-mail on the subject cited above, kindly find attached herewith as Annexure I, the relevant information in respect of IIT Guwahati.

With regards,

Yours Sincerely,


REGISTRAR

Encl. : As stated above.

IIT Guwahati
Faculty Strength for the year 2017-18

Name of the Post	Grade	Total number of sanctioned posts as on	Post filled												Post vacant						Temporary			Remarks
			General		SC		ST		OBC		EWS		Total	General	SC	ST	OBC	EWS		Total	Visiting	Adjunct	Contract	
			Male	Female	Male	Female	Male	Female	Male	Female	Male	Female						Male	Female					
Professor	14A	582*	132	13	6	0	1	0	1	0	1	0	**	**	**	**	153	13	**	**	5	0	0	*Estimated from the 1:10 ratio of Faculty: student ratio.
Associate Professor	13A2		97	13	6	0	0	0	7	0	**	**	**	**	**	**	124	13	**	**	0	0	0	
Assistant Professor	10,11,12,13A1		100	29	3	1	1	0	4	0	**	**	**	**	**	**	141	30	**	**	5	0	0	

In IIT Guwahati reserved post are considered every year in the level of Assistant professor(s) only. At the end of the year, all reserved positions that are not filled are 'de-reserved' and made available for filling up in the general category.

