



# भारतीय प्रौद्योगिकी संस्थान रुड़की

रुड़की - 247 667, उत्तराखण्ड, भारत

**INDIAN INSTITUTE OF TECHNOLOGY ROORKEE**

ROORKEE - 247 667, UTTARAKHAND, INDIA

प्रो० उदय पी० सिंह

कुलशासक, वित्त एवं नियोजन

**Prof. Udai P. Singh**

Dean, Finance & Planning

Tel. : +91-1332-285270, 285907, 285329 (O), 285202 (R)

Fax : +91-1332-273560, 285822

e-mail : deanfap\_p@iitr.ac.in, deanfap\_f@iitr.ac.in, udaipfcy@iitr.ac.in

No. DFP (Plng.)/2016-17/ 721

Dated: 10.02.2017

Sri Arun Kumar Karn  
Assistant Section Officer  
Technical Section - 1  
Department of Higher Education  
Ministry of Human Resource Development  
New Delhi

**Subject:- Assurance- Lok Sabha Unstarred Question No. 1855 replied on 28.11.2016 regarding Wi-Fi Enabled Universities.**

Sir,

Please refer to your e-mail dated 10.02.2017 on the above subject. The replies with respect to Indian Institute of Technology Roorkee are given below:

(a)	Whether the Government proposes to make every university in the country wi-fi enabled.	IIT Roorkee campus is a wi-fi facility enabled
(b)	If so, the details thereof and if not, the reasons therefor; and	
(c)	The total number of wi-fi enabled universities in the country State/UT-wise including Jharkhand?	

Regards,

Yours sincerely,

(U.P. Singh)



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No. DFP (PIng.)/2016-17/744/62  
Dated: 01.03.2017

Sri Arun Kumar Karn  
Assistant Section Officer  
Technical Section - I  
Deptt. of Higher Education  
Ministry of Human Resources Development  
428-C, Shastri Bhawan  
New Delhi - 110 011

**Subject:-Assurance – Lok Sabha Unstarred Question No. 1345 regarding Rating of Indian Universities replied on 21.03.2012.**

Dear Sir,

Please refer to your mail dated 27.02.2017 on the above subject. The reply with respect to Indian Institute of Technology Roorkee is given below.

Sl. No.	Name of the Institute	Details of the cumulative research output of patents from the IITs	Whether these patents have been commercially utilized by the industry; and	If so, the details thereof
1	IIT Roorkee	Total patents awarded	03	-
		Applications currently pending with patents office	38	-

With regards,

Yours sincerely,

(U.P. Singh)



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No. DFP (Plng.)/2016-17/ 754/ 62

Dated: 06.03.2017

Sri Kundan Nath  
Under Secretary (IIT's)  
Ministry of Human Resources Development  
Deptt. of Higher Education  
428-C, Shastri Bhawan  
New Delhi - 110 011

**Subject:-Lok Sabha Unstarred Question No. 1019 to be replied on 09.03.2017 regarding "Financial status of students seeking fee waiver in IIT".**

Dear Sir,

Please refer to your mail dated 06.03.2017 on the above subject. The reply with respect to Indian Institute of Technology Roorkee is given below.

(a)	Whether from January this year the Indian Institute of Technology would be verifying economic status of students seeking fee waiver to prevent misuse of the scheme aimed at helping pupils belonging to low income families;
Ans.	<b>This Institute has verified the income certificates from original shown by the students as issued by the competent authority of the concerned State as mentioned by the Govt. Order No. No. 11017/57/2015-SCD-I dated 3<sup>rd</sup> February 2017 even before the issue of Government of India, New Delhi.</b>
(b)	If so, the details thereof;
Ans.	<b>As above</b>
(c)	Whether this move is part of a plan to review the scheme following a sharp rise in undergraduate students seeking exemption from paying tuition fee after it was increased to 2 lakh from 90,000 per year from April, 2016; and
Ans.	<b>No comments</b>
(d)	If so, the details thereof?
Ans.	<b>As above</b>

With regards,

Yours sincerely,

(U.P. Singh)





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No. DFP (PIng.)/2016-17/755/62

Dated: 06.03.2017

Sri Kundan Nath  
Under Secretary (IIT's)  
Ministry of Human Resources Development  
Deptt. of Higher Education  
428-C, Shastri Bhawan  
New Delhi - 110 011

**Subject:-Rajya Sabha Starred Question No. 99 to be replied on 09.03.2017 regarding "Shortage of Qualified faculty in IITs and NITs".**

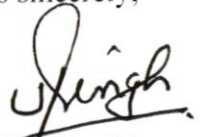
Dear Sir,

Please refer to your mail dated 06.03.2017 on the above subject. The reply with respect to Indian Institute of Technology Roorkee is given below.

(a)	Whether the shortage of qualified faculty is affecting the quality of education in Indian Institute of Technology (IITs) and National Institutes of Technology (NITs);
Ans.	<b>Due to shortage of regular faculty in IIT Roorkee. The existing faculty is overloaded to ensure that the quality of education is not affected. However, by appointing visiting faculty, adjunct faculty &amp; post-doctoral fellow is trying to tide over the faculty crunch.</b>
(b)	If so, the details of faculty positions and other staff lying vacant in each IIT and NIT; and
Ans.	<b>As per Annexure I &amp; II</b>
(c)	The details of the steps being taken and the time-frame to fill those vacancies?
Ans.	<b>A rolling advertisement is available on the Institute's website. Inviting applications of outstanding candidates from India and abroad are the measures to tide over the teaching crunch.</b>

With regards,

Yours sincerely,

  
(U.P. Singh)



## Details of Faculty

Sl.No.	Name of Institute	Faculty Strength sanctioned by MHRD/as per norms	Faculty in position	Vacancy	Steps taken by the institute to fill up the vacant positions	Remarks
1.	Indian Institute of Technology Roorkee	776	429	347	A rolling advertisement is available on the Institute's website. Inviting applications of outstanding candidates from India and abroad are the measures to tide over the teaching crunch.	

## Details of Non-Faculty

Sl.No.	Name of Institute	Post sanctioned by MHRD/as per norms	Posts-filled up	Post vacant	Steps taken to fill up the vacant positions	Remarks
1.	Indian Institute of Technology Roorkee	902	744	158	At present 85 post have been advertised and selection is under process	



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No. DFP (Plng.)/2016-17/ 62/770

Dated: 15.03.2017

Sri Kundan Nath  
Under Secretary to Government of India  
Ministry of Human Resources Development  
Deptt. of Higher Education  
Technical Section – I, 428-C, Shastri Bhawan  
New Delhi – 110 011

**Subject:-Rajya Sabha Unstarred Question No. 1649 to be replied on 16.03.2017 regarding "Scholarships through JICA".**

Dear Sir,

Please refer to your mail dated 14.03.2017 on the above subject. The reply with respect to Indian Institute of Technology Roorkee is given below.

(a)	Whether Japan International Cooperation Agency (JICA) is offering scholarships to students of IITs to study in Universities of Japan;
Ans.	<b>Institute has taken the initiative but so far no student has applied.</b>
(b)	If so, the details thereof;
Ans.	<b>As above</b>
(c)	The details of students from Andhra Pradesh who got benefitted from such scholarships during the last three years and the current year, year-wise;
Ans.	<b>N.A.</b>
(d)	Whether world-class laboratories in seven IITs are to be set up under assistance from JICA and other agencies; and
Ans.	<b>Our Institute has not got any benefit from JICA yet.</b>
(e)	If so, the details of laboratories proposed to be set up and the details of IITs where such laboratories are to be set up?
Ans.	<b>As above</b>

Regards,

Yours sincerely,

  
(U.P. Singh)



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No. DFP (Plng.)/2016-17/

Dated: 20.03.2017

Sri Kundan Nath

Under Secretary to Government of India

Ministry of Human Resources Development

Deptt. of Higher Education

Technical Section – I, 428-C, Shastri Bhawan

New Delhi – 110 011

**Subject:-Rajya Sabha Unstarred Question No. 2471 to be replied on 23.03.2017 regarding "Closure of courses in IITs".**


Dear Sir,

Please refer to your mail dated 20.03.2017 on the above subject. The reply with respect to Indian Institute of Technology Roorkee is given below.

(a)	Whether it is a fact that Government proposes to close down those branches or those courses in Indian Institutes of Technology (IITs) which have remained vacant;
Ans.	<b>Yes, the MHRD vide its letter No. F. No. 28-9/2016-TS-I dated 14.02.2017 decided that CFTIs, which are participating in Joint Counseling may be asked to review the vacant seats for the last three years. After proper review of seat vacancies, employment opportunities, national requirements, available infrastructure/ faculty and scope for future, they may revise the number of seats in each discipline in the Institute. Some disciplines may be considered for closure or for keeping in abeyance for a few years, if needed. New Courses/Areas/disciplines may only be introduced after carrying out Market Opportunity Analysis based on Employability, requirement of Higher Education/Research/Entrepreneurship. Additionally, participating Institutes may reduce total number of seats as per availability of hostel facility, lab infrastructure, classrooms, faculty etc. The Senate of each Institute should conduct meetings in this regard as soon as possible and carryout this exercise latest by 31th March, 2017.</b>
(b)	if so, whether Government proposes to take any step in this regard; and
Ans.	<b>As above</b>
(c)	if so, the details thereof and by when and if not, the reasons therefor?
Ans.	<b>Senate considered this in its meeting held on March 02, 2017.</b>

Regards,

Yours sincerely,

  
(U.P. Singh)





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No. DFP (Plng.)/2016-17/

Dated: 22.03.2017

Sri Kundan Nath

Under Secretary to Government of India

Ministry of Human Resources Development

Deptt. of Higher Education

Technical Section - I, 428-C, Shastri Bhawan

New Delhi - 110 011

**Subject:-Lok Sabha Unstarred Question No. 3949 to be replied on 27.03.2017 regarding "Facilities in IITs".**

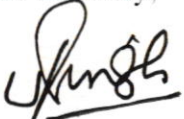
Dear Sir,

Please refer to your mail dated 21.03.2017 on the above subject. The reply with respect to Indian Institute of Technology Roorkee is given below.

(a)	The current details of availability of infrastructure facilities and administrative staff in each of the Indian Institutes of Technology (IITs) as on date, IIT-wise separately;					
<b>Ans.</b>	Detail of Infrastructure facilities are given in <b>Annexure - I</b> and the list of administrative staff and Non-Faculty Group 'A' Officers are given in <b>Annexure - II</b>					
(b)	The funds allocated and spent on IITs during the last three years, IIT-wise and year-wise;					
<b>Ans.</b>		<b>Plan Grant (in crore)</b>		<b>Non-Plan Grant (in crore)</b>		
	<b>Year</b>	<b>Fund Allocated by MHRD</b>	<b>Total Spent by IIT Roorkee</b>	<b>Fund Allocated by MHRD</b>	<b>Total Spent by IIT Roorkee</b>	
	2013-14	150.0000	179.5900	194.2900	190.9400	
	2014-15	103.1176	103.5276	212.2000	223.9500	
	2015-16	110.0000	122.8300	202.5000	245.2000	
(c)	The details of students admitted during the said period, course-wise and IIT-wise; and					
<b>Ans.</b>	<b>Detail of students admitted during the session 2014-15, 2015-16 &amp; 2016-17 are given in Annexure - III</b>					
(d)	The extra efforts taken by the Government to maintain the standards of education and infrastructure in the new IITs at par with the older established ones?					
<b>Ans.</b>	<b>N.A.</b>					

Regards,

Yours sincerely,

  
(U.P. Singh)

Annexure - I

INDIAN INSTITUTE OF TECHNOLOGY, ROORKEE  
ROORKEE

**Detail of Infrastructure Facilities**

Sl. No.	Description of Fixed Asset.	Amount
1.	Land, Roads & Culverts	2,75,60,97,013.00
2.	Building	4,16,85,77,221.18
3.	Building (CWIP)	14,78,61,000.00
4.	Machinery & Equipment	1,92,63,16,055.07
5.	Computer & Peripherals	15,36,48,653.51
6.	Office Equipment	1,20,48,563.01
7.	Vehicles	5,70,742.68
8.	Furniture & Fixtures	9,28,12,683.74
9.	Books and Journals	53,86,48,974.19
10.	Other Fixed Assets	2,85,25,275.42
11.	Electric Installation	7,07,71,998.80
	<b>Total</b>	<b>9,89,58,78,180.60</b>

  
कुलपति के वित्त एवं योजना  
Dean, Finance & Planning



Administrative staff (as on 22<sup>nd</sup> March 2017)

Sl.No.	Code	File No.	Name	Designation	Department
1	100360	E-4471	Shri Prashant Garg	Registrar	Administration
2	100357	E-4468	Dr. Shyam Narayan	Joint Registrar	HRD/RTI Cell
3	100016	E-4383	Shri Gopal Kumar Rastogi	Joint Registrar	Finance & Accounts
4	100007	E-4339	Dr. Ajay Kumar Sharma	Dy. Registrar	Academic Section
5	100006	E-4087	Shri S.K. Saini	Dy. Registrar	General Section
6	100432	E-4535	Dr. Suman Kumar	Dy. Registrar	Internal Audit
7	400120	E-4690	Shri Rajvir Singh Khatri	Asstt. Registrar	Saharanpur Campus
8	100631	E-4959	Shri Pradeep Sharma	Asstt. Registrar	Establishment Services
9	100633	E-4963	Shri N.K. Verma	Asstt. Registrar	Establishment Services
10	100629	E-4958	Shri Subhas Chand	Asstt. Registrar	Legal Cell
11	100628	E-4965	Smt. Margret C.	Asstt. Registrar	Director Office
12	100630	E-4962	Shri C.S. Verma	Asstt. Registrar	Meeting Section
13	100634	E-4960	Shri Pramod Kumar	Asstt. Registrar	Finance & Accounts
14	100635	E-4964	Shri Rajkumar Sharma	Asstt. Registrar	SRIC Office
15	100690	E-5061	Mrs. Sheeba Ramola	Asstt. Registrar	Academic
16	100693	E-5071	Ms. Bibi Moriom Barbhuiya	Asstt. Registrar	Material Management
17	100699		Shri Dileep Kumar Toppo	Asstt. Registrar	Material Management
18	100686	E-5056	Shri Jain Singh	Asstt. Registrar (on contract)	Finance & Accounts
19	100691	E-5066	Shri Ashwani Kumar Sharma	Asstt. Registrar (on contract)	GNEC
20	100692	E-5067	Sri Lalit Kumar	Asstt. Registrar (on contract)	Establishment Services
21	100708		Shri Rishi Sirohi	Asstt. Registrar (on contract)	DOSW Office
22	100775		Shri Abhishek Kumar	Officer on Special Duty (On Contract)	Material Management

*PK Pharms*



Non-Faculty Group 'A' Officers (as on 22<sup>nd</sup> March 2017)

Sl.No.	Code	File No.	Name	Designation	Department
1	100666		Dr. M.K. Jha	Chief Medical Officer	Institute Hospital
2	100019	E-4360	Dr. (Mrs.) Vandana S. Khobragade	Institute Medical Officer	Institute Hospital
3	100646		Dr. (Miss) Anjula Roy	Medical Officer	Institute Hospital
4		E-4703	Dr. M.K. Jain	Institute Medical Officer (On Contract)	Saharanpur Campus
5	100657		Dr. Akhilesh Kumar	Medical Officer	Institute Hospital
6	100759		Dr. Rashmi Ranjan Guru	Medical Officer	Institute Hospital
7	100763		Dr. Rao Farman Khan	Medical Officer	Institute Hospital
8	100765		Dr. Alok Anand	Medical Officer	Institute Hospital
9	100015		Dr. Alok Kumar Pandey	Sports Officer (Tenure apptmt.)	Sports Council
10	100014	E-5073	Sri Hemant Kumar Sharma	Asstt. Sports Officer	Sports Council
11	100528	E-4770	Sri K.P. Singh	Security Officer	Security Office
12	100689	E-5060	Dr. (Mrs.) Shikha Jain	Counsellor	DOSW Office
13	100757		Dr. C. Jayakumar	Librarian	M.G. Central Library
14	100010	E-4345	Sri Sompal Singh	Dy. Librarian	M.G. Central Library
15	100758	E-5212	Shri Sanjeev Kumar Sunny	Dy. Librarian	M.G. Central Library
16	100541	E-4800	Sri Amarendra Kumar Sharma	Asstt. Librarian	M.G. Central Library
17	100410	E-4514	Mr. Ramniwas Soni	Asstt. Librarian	M.G. Central Library
18	100756		Dr. Rimai Atonring	Asstt. Librarian	M.G. Central Library
19	100343	E-4407	Dr. Navneet Kumar Gupta	System Programmer	ICC
20	100322	E-3940	Sri Mukesh Kumar	System Programmer	ICC

PK Sharma



21	100354	E-4448	Sri Rajesh Sachdeva	Programmer	ICC
22	100324		Sri Ravi Kumar Chauhan	Programmer	ICC
23	100420	E-4487	Sri Jagdish Singh	Scientific Officer Grade-II	IIC
24	100409		Sri Sanjeev Shukla	Senior Scientific Officer	ICC
25	100426		Sri Kamal Singh Gotyan	Senior Scientific Officer	IIC
26	100695	E-4409	Dr. Bhupender Singh	Scientific Officer Gr.-I	IIC
27	100344	E-5073	Mrs. Nisha	Scientific Officer Gr.-II (On Contract)	M.G. Central Library
28	100698		Mrs. Usha Banerjee	Sr. Scientific Officer (On Contract)	Director Office
29	100760		Smt. Subathra Murugesan	Scientific Officer Gr.-I (On Contract)	ICC
30	100768		Shri Kaushik Chattopadhyay	Scientific Officer Gr.-II (On Contract)	ICC
31	100121	E-5114	Sri B.K. Ramaniya	Supdt. Workshop	MIED
32	100754	E-5119	Shri D.K. Kapil	Assistant Supdt. Workshop	MIED
33	100725		Shri Yashpal Singh	Assistant Supdt. Workshop	MIED
34	100730	E-5125	Shri Ajay Sharma	Institute Engineer (On Contract)	Estate & Works
35	100721	E-4338	Shri Devarata Singh	Institute Architect (On Contract)	Estate & Works
36	100008	E-5048	Sri Nepal Singh	Executive Engineer (Civil)	Estate & Works
37	100718	E-5028	Shri Rajiv Agarwal	AEE	Estate & Works
38	100740	E-5122	Shri D.N. Pandey	AEE	Estate & Works
39	100739	E-5115	Shri F.C. Jain	AEE	Estate & Works
40	100742	E-5116	Shri D.P. Singh	AEE	Estate & Works
41	100741	E-5117	Shri V.K. Goel	AEE	Estate & Works
42	100720	E-5124	Shri P.K. Dauhare	AEE (Electrical)	Estate & Works
43	100728	E-5120	Shri O.A. Verma	AEE (Civil)	Estate & Works
44	100727		Shri N.S. Rana	AEE (Civil)	Estate & Works
45	100724	E-5128	Shri Ashish Kumar	AEE (Civil) (On Contract)	Estate & Works
46	100653		Mrs. Meena Kothyari	Technical Officer	Physics

*J. K. Sharma*



47	100655		Shri S.D. Sharma	Technical Officer	IIC
48	100663		Shri Duli Chand Meena	Technical Officer	Chemistry
49	100662		Shri D. Prasad	Technical Officer	IIC
50	100672	E-5043	Shri K.N. Manohar	Technical Officer	Chemical
51	100673		Shri Ravindra Saini	Technical Officer	IIC
52	100701		Shri K. Chandra Shekhar	Technical Officer	MMED
53	100744		Mr. Pradeep Singh	Technical Officer	Civil Engineering
54	100745		Mr. Dinesh Mohan	Technical Officer	Electrical Engineering
55	100743		Shri Sakir Ali	Technical Officer	WRD&M

C. K. Pham

सहा. कुलसचिव (सेवायें)  
भा. प्रौ. सं. रुड़की



**INDIAN INSTITUTE OF TECHNOLOGY ROORKEE  
ROORKEE**

**Total students admitted during the session 2014-15 to 2016-17**

<b>Year</b>	<b>Programme Name</b>	<b>Admitted students</b>
<b>2014-15</b>	B. Arch	34
	B. Tech.	844
	Integrated dual Degree	20
	Integrated M.Sc.	44
	Integrated M.Tech.	50
	M. Arch. & MURP	36
	M.Tech.	785
	M.Sc.	118
	MBA	86
	Ph.D.	430
<b>2015-16</b>	B. Arch	32
	B. Tech.	804
	Integrated M.Sc.	26
	Integrated M.Tech.	51
	M. Arch. & MURP	34
	M.Tech.	813
	M.Sc.	119
	MBA	61
	Ph.D.	400
<b>2016-17</b>	B. Arch	31
	B. Tech.	844
	Integrated M.Sc.	30
	Integrated M.Tech.	61
	M. Arch. & MURP	34
	M.Tech.	646
	M.Sc.	140
	MBA	83
	Ph.D.	352

  
Chief Finance & Planning



# भारतीय प्रौद्योगिकी संस्थान रुड़की

रुड़की - 247 667, उत्तराखण्ड, भारत

**INDIAN INSTITUTE OF TECHNOLOGY ROORKEE**

ROORKEE - 247 667, UTTARAKHAND, INDIA

प्रो० उदय पी० सिंह

कुलशासक, वित्त एवं नियोजन

**Prof. Udai P. Singh**

Dean, Finance & Planning

Tel. : +91-1332-285270, 285907, 285329 (O), 285202 (R)

Fax : +91-1332-273560, 285822

e-mail : deanfap\_p@iitr.ac.in, deanfap\_f@iitr.ac.in, udaipfcy@iitr.ac.in

No. DFP (Plng.)/2016-17/790/62

Dated: 28.03.2017

Sri Kundan Nath

Under Secretary to Government of India

Ministry of Human Resources Development

Deptt. of Higher Education

Technical Section - I, 428-C, Shastri Bhawan

New Delhi - 110 011

**Subject:-Rajya Sabha Unstarred Question No. 3239 to be replied on 30.03.2017 regarding "Providing Job's to students from IIT and medical colleges".**

Dear Sir,

Please refer to your mail dated 27.03.2017 on the above subject. The reply with respect to Indian Institute of Technology Roorkee is given below.

(a)	Whether there is any data available on percentage of students opting for jobs abroad after completion of their degree from IITs and Government medical colleges during the last five years;																		
<b>Ans.</b>	No such information is available; However the following percentage of students got the job abroad during last five years through campus placement. <table border="1"><thead><tr><th>Year</th><th>No. of Percentage</th><th>No. of Students</th></tr></thead><tbody><tr><td>2012-13</td><td>1.34%</td><td>20</td></tr><tr><td>2013-14</td><td>1.66%</td><td>27</td></tr><tr><td>2014-15</td><td>0.98%</td><td>16</td></tr><tr><td>2015-16</td><td>1.93%</td><td>30</td></tr><tr><td>2016-17</td><td>0.60%</td><td>09</td></tr></tbody></table>	Year	No. of Percentage	No. of Students	2012-13	1.34%	20	2013-14	1.66%	27	2014-15	0.98%	16	2015-16	1.93%	30	2016-17	0.60%	09
Year	No. of Percentage	No. of Students																	
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2013-14	1.66%	27																	
2014-15	0.98%	16																	
2015-16	1.93%	30																	
2016-17	0.60%	09																	
(b)	If so, the details thereof; and																		
<b>Ans.</b>	<b>As above</b>																		
(c)	The steps taken in collaboration with other Ministries to reduce this trend and to provide better jobs to students in the country itself?																		
<b>Ans.</b>	<b>N.A.</b>																		

Regards,

Yours sincerely,

(U.P. Singh)





# भारतीय प्रौद्योगिकी संस्थान रुड़की

रुड़की-247 667, उत्तराखण्ड, भारत

**INDIAN INSTITUTE OF TECHNOLOGY ROORKEE**

ROORKEE - 247 667 UTTARAKHAND, INDIA

Tele : 01332 - 285245, 284275, 284530 Fax : 01332 - 285818, 273560

e-mail : dsric@iitr.ac.in

No. DFP (Plng.)/2016-17/802/62

Dated: 06.04.2017

कुलशासक, प्रायोजित शोध एवं औद्योगिक परामर्श कार्यालय  
Dean, Sponsored Research & Industrial Consultancy Office

Sri Kundan Nath  
Under Secretary to Government of India  
Ministry of Human Resources Development  
Deptt. of Higher Education  
Technical Section – I, 428-C, Shastri Bhawan  
New Delhi – 110 011

**Subject:-Lok Sabha Unstarred Question No. 5935 to be replied on 10.04.2017 regarding Courses on Seismology.**

Dear Sir,

Please refer to your mail dated 05.04.2017 on the above subject. The reply with respect to Indian Institute of Technology Roorkee is given below.

(a)	Whether the Government is aware that Institutes in the country offer courses like Earthquake Engineering and Computation Seismology and if so, the details thereof.																								
<b>Ans.</b>	The following courses are taught as elective's in B.Tech. <table border="1"><thead><tr><th>Sl. No.</th><th>Courses Code</th><th>Course Name</th></tr></thead><tbody><tr><td>1.</td><td>EQ-302</td><td>Engineering Seismology and Seismotectonics</td></tr><tr><td>2.</td><td>EQ-303</td><td>Earthquake Geology and Geoinformatics</td></tr><tr><td>3.</td><td>EQ-304</td><td>Seismic Instrumentation</td></tr></tbody></table>	Sl. No.	Courses Code	Course Name	1.	EQ-302	Engineering Seismology and Seismotectonics	2.	EQ-303	Earthquake Geology and Geoinformatics	3.	EQ-304	Seismic Instrumentation												
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2.	EQ-303	Earthquake Geology and Geoinformatics																							
3.	EQ-304	Seismic Instrumentation																							
(b)	Whether these courses exist as one of the branches of engineering at the undergraduate level in Institutes and if so, the details thereof along with degree and name of the institutes thereof,																								
<b>Ans.</b>	The following courses are taught as Master's level <table border="1"><thead><tr><th>Sl. No.</th><th>Courses Code</th><th>Course Name</th></tr></thead><tbody><tr><td>1.</td><td>EQ-503</td><td>Engineering Seismology</td></tr><tr><td>2.</td><td>EQ-525</td><td>Seismic Hazard Assessment</td></tr><tr><td>3.</td><td>EQ-531</td><td>Seismological Modeling and Simulation</td></tr><tr><td>4.</td><td>EQ-539</td><td>Ground Shaking Hazard</td></tr><tr><td>5.</td><td>EQ-584</td><td>Engineering Applications of Geophysical Techniques</td></tr><tr><td>6.</td><td>EQ-590</td><td>Strong Motion Seismology</td></tr><tr><td>7.</td><td>EQ-598</td><td>Principles of Seismology</td></tr></tbody></table>	Sl. No.	Courses Code	Course Name	1.	EQ-503	Engineering Seismology	2.	EQ-525	Seismic Hazard Assessment	3.	EQ-531	Seismological Modeling and Simulation	4.	EQ-539	Ground Shaking Hazard	5.	EQ-584	Engineering Applications of Geophysical Techniques	6.	EQ-590	Strong Motion Seismology	7.	EQ-598	Principles of Seismology
Sl. No.	Courses Code	Course Name																							
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6.	EQ-590	Strong Motion Seismology																							
7.	EQ-598	Principles of Seismology																							
(c)	The details of the seismology Observatories in the country; and																								
<b>Ans.</b>	Indian Institute of Technology Roorkee has seismological observatory having the following instruments. <table border="1"><thead><tr><th>Sl. No.</th><th>Instruments</th><th></th></tr></thead><tbody><tr><td>1.</td><td>Short Period Seismograph (Triaxial) (20 sec – 100Hz)</td><td>Digital</td></tr><tr><td>2.</td><td>Broad Band Seismograph (Triaxial) (120 sec – 50 Hz)</td><td>Digital</td></tr><tr><td>3.</td><td>Short Period Seismograph (Vertical)</td><td>Analog</td></tr><tr><td>4.</td><td>Ground Penetration Reder System (GPR) (10 MHg – 1.6GHz)</td><td></td></tr></tbody></table>	Sl. No.	Instruments		1.	Short Period Seismograph (Triaxial) (20 sec – 100Hz)	Digital	2.	Broad Band Seismograph (Triaxial) (120 sec – 50 Hz)	Digital	3.	Short Period Seismograph (Vertical)	Analog	4.	Ground Penetration Reder System (GPR) (10 MHg – 1.6GHz)										
Sl. No.	Instruments																								
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3.	Short Period Seismograph (Vertical)	Analog																							
4.	Ground Penetration Reder System (GPR) (10 MHg – 1.6GHz)																								
(d)	Whether the Government intends to construct more such observatories in the country and if so, the details thereof?																								
<b>Ans.</b>	N.A.																								

Regards,

Yours sincerely,

(M. Parida)





# भारतीय प्रौद्योगिकी संस्थान रुड़की

रुड़की - 247 667, उत्तराखण्ड, भारत

## INDIAN INSTITUTE OF TECHNOLOGY ROORKEE

ROORKEE - 247 667, UTTARAKHAND, INDIA

प्रो० उदय पी० सिंह

कुलशासक, वित्त एवं नियोजन

**Prof. Uday P. Singh**

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No. DFP (Plng.)/2017-18/385/62

Dated: 01.06.2017

Sri Kundan Nath  
Under Secretary to Government of India  
Ministry of Human Resources Development  
Deptt. of Higher Education  
Technical Section - I, 428-C, Shastri Bhawan  
New Delhi - 110 011

**Subject:-Assurance given to Rajya Sabha in RSUSQ No. 61 replied on 02.02.2017 regarding seats reserved for student of SC and ST communities asked by Shri K.K. Ragesh.**

Dear Sir,

Please refer to your mail dated 31.05.2017 on the above subject. The reply with respect to Indian Institute of Technology Roorkee is given below.

(a) The number of seats reserved for students from SC and ST communities in IITs, IIMs and NITs in the country;

Ans.

Year	UG		PG	
	Intake SC	Intake ST	Intake SC	Intake ST
2014-15	160	80	156	72
2015-16	155	77	158	73
2016-17	151	74	165	76

(b) The number of such reserved seats filled in each of these institutions during the last three years;

Ans.

Year	UG		PG	
	Admitted SC	Admitted ST	Admitted SC	Admitted ST
2014-15	150	25	140	37
2015-16	147	57	143	43
2016-17	143	67	101	36

(c) The reasons of such seats lying vacant, if any;

Ans. Not turning up due to getting better choice of studies/Place of preference of Institute.

(d) The details of discontinuance from studies by SC,ST and OBC students, from IITs, IIMs, and NITs reported during the last three years, if any?

Ans.

Year	Undergraduate			Postgraduate		
	Discontinued SC	Discontinued ST	Discontinued OBC	Discontinued SC	Discontinued ST	Discontinued OBC
2014-15	12	08	07	14	05	20
2015-16	06	02	06	13	05	29
2016-17	07	08	01	20	04	25

Regards,

Yours sincerely,

(U.P. Singh)



# भारतीय प्रौद्योगिकी संस्थान रुड़की

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e-mail : deanfap\_p@iitr.ac.in, deanfap\_f@iitr.ac.in, udaipfcy@iitr.ac.in

No. DFP (Plng.)/2017-18/478/62

Dated: 19.07.2017

Sri Kundan Nath  
Under Secretary (IITs)  
Ministry of Human Resources Development  
Deptt. of Higher Education  
428-C, Shastri Bhawan  
New Delhi - 110 011

**Subject:-Lok Sabha Unstarred Question No. 1364 to be replied on 24.07.2017 regarding  
“Courses in Nano Scale Engineering.**

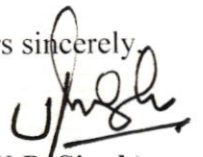
Dear Sir,

Please refer to your mail dated 18.07.2017 on the above subject. The reply with respect to Indian Institute of Technology Roorkee is given below.

(i)	Whether the Government proposes to begin bachelor's course in nano scale engineering at Indian Institutes of Technology (IITs)/National Institutes of Technology (NITs) and private colleges/Universities; and
Ans.	<b>No such proposal for bachelor's course in nano scale engineering has been received from the Government.</b>
(ii)	If so, the details thereof?
Ans.	<b>As above (i)</b>

Regards,

Yours sincerely

  
(U.P. Singh)





# भारतीय प्रौद्योगिकी संस्थान रुड़की

रुड़की - 247 667, उत्तराखण्ड, भारत

**INDIAN INSTITUTE OF TECHNOLOGY ROORKEE**

ROORKEE - 247 667, UTTARAKHAND, INDIA

प्रो० उदय पी० सिंह

कुलशासक, वित्त एवं नियोजन

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e-mail : deanfap\_p@iitr.ac.in, deanfap\_f@iitr.ac.in, udaipfcy@iitr.ac.in

No. DFP (Plng.)/2017-18/489/62

Dated: 24.07.2017

Sri Kundan Nath  
Under Secretary (IITs)  
Ministry of Human Resources Development  
Deptt. of Higher Education  
428-C, Shastri Bhawan  
New Delhi - 110 011

**Subject:- Rajya Sabha Unstarred Question No. 1351 to be replied on 27.07.2017 regarding Suicides by students of IITs.**

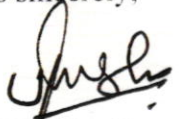
Dear Sir,

Please refer to your mail dated 24.07.2017 on the above subject. The reply with respect to Indian Institute of Technology Roorkee is given below.

(a)	The number of suicides committed by the students of IITs, during the last three years;
<b>Ans.</b>	<b>Nil</b>
(b)	Whether the number of suicides has increased;
<b>Ans.</b>	<b>No</b>
(c)	Whether the IITs have set up any committee to inquire into the causes of such suicides or otherwise addressed the issue;
<b>Ans.</b>	<b>No case of suicides has been reported and therefore no inquiry committee has been constituted to inquire into the causes of such suicides.</b>
(d)	If so, the details thereof; and
<b>Ans.</b>	<b>Nil</b>
(e)	If not, the reasons therefor?
<b>Ans.</b>	<b>Nil</b>

Regards,

Yours sincerely,

  
(U.P. Singh)



# भारतीय प्रौद्योगिकी संस्थान रुड़की

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No. DFP (Plng.)/2017-18/ 504/82

Dated: 31.07.2017

Mr. Arun Kumar Karn  
Asstt. Section Officer  
Technical Section-I, Department of Higher Education  
Ministry of Human Resources Development  
Govt. of India, Shastri Bhawan  
New Delhi

**Subject:- Rajya Sabha unstarred Question No. 2145 to be answered on 03.08.2017 regarding "Enrolment of students in central Institutions".**

Dear Sir,

Please refer to your mail dated 29.07.2017 on the above subject. The reply with respect to Indian Institute of Technology Roorkee is given below.

(a)	The total student strength in various central universities, IITs, IIMs and NITs till date category-wise for SCs, STs, OBCs and others university and Institute-wise;																					
Ans.	Total strength of UG & PG students for the session 2017-18 as on today <table border="1"><thead><tr><th>Category</th><th>Undergraduate</th><th>Postgraduate</th></tr></thead><tbody><tr><td>Gen.</td><td>2046</td><td>830</td></tr><tr><td>OBC</td><td>1124</td><td>367</td></tr><tr><td>SC</td><td>632</td><td>227</td></tr><tr><td>ST</td><td>300</td><td>67</td></tr><tr><td>Other</td><td>0</td><td>183</td></tr><tr><td><b>Total</b></td><td><b>4102</b></td><td><b>1674</b></td></tr></tbody></table>	Category	Undergraduate	Postgraduate	Gen.	2046	830	OBC	1124	367	SC	632	227	ST	300	67	Other	0	183	<b>Total</b>	<b>4102</b>	<b>1674</b>
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OBC	1124	367																				
SC	632	227																				
ST	300	67																				
Other	0	183																				
<b>Total</b>	<b>4102</b>	<b>1674</b>																				
(b)	The total number of students enrolled in research degrees viz. M.Phil and Ph.D in various central universities, IITs, IIMs and NITs till date, category-wise for SCs, STs OBCs and others university and Institute-wise and																					
Ans.	Total Strength of Ph.D. students for the session 2017-18 as on today <table border="1"><thead><tr><th>Category</th><th>Ph.D.</th></tr></thead><tbody><tr><td>Gen.</td><td>984</td></tr><tr><td>OBC</td><td>448</td></tr><tr><td>SC</td><td>224</td></tr><tr><td>ST</td><td>24</td></tr><tr><td>Other</td><td>51</td></tr><tr><td><b>Total!</b></td><td><b>1731</b></td></tr></tbody></table>	Category	Ph.D.	Gen.	984	OBC	448	SC	224	ST	24	Other	51	<b>Total!</b>	<b>1731</b>							
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OBC	448																					
SC	224																					
ST	24																					
Other	51																					
<b>Total!</b>	<b>1731</b>																					
(c)	The steps taken by Government during the last three years to increase the enrolment of SC/ST students at the research level studies in various universities and Institutions?																					
Ans.	Institute has taken steps to increase enrollment numbers for all categories including SC/ST students at research level.																					

Regards,

Yours sincerely,

(U.P. Singh)





# भारतीय प्रौद्योगिकी संस्थान रुड़की

रुड़की – 247 667, उत्तराखण्ड, भारत

## INDIAN INSTITUTE OF TECHNOLOGY ROORKEE

ROORKEE - 247 667, UTTARAKHAND, INDIA

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No. DFP (Plng.)/2017-18/508/62

Dated: 31.07.2017

Sri Kundan Nath  
Under Secretary (IITs)  
Ministry of Human Resources Development  
Deptt. of Higher Education  
428-C, Shastri Bhawan  
New Delhi – 110 011

**Subject:- Rajya Sabha Starred Question No. 202 to be answered on 03.08.2017 regarding "Faculty Positions in central Institutions.**

Dear Sir,

Please refer to your mail dated 29.07.2017 on the above subject. The reply with respect to Indian Institute of Technology Roorkee is given below.

(a)	The total strength of faculty vis-avis vacant faculty positions in Central universities, IITs, IIMs and NITs till date, category-wise for SC, ST, OBC and others, university and Institute-wise; and
Ans.	<b>In terms of the MHRD letter No. 23-3/08-IFD dated 08<sup>th</sup> May, 2008 the Faculty/Student ratio should be 1:10. On this basis calculated faculty sanctioned strength is 776, working faculty 425 &amp; vacant position is 351. In term of the MHRD letter F. No. 16-8/2000-TS.I dated 09<sup>th</sup> June 2008, after completion of one annual cycle of faculty recruitment in science &amp; Technology subject, vacant post due to non-availability of suitable candidates of SC, ST &amp; OBC categories to the extent of laid down percentage treated as dereserved in the next year.</b>
(b)	The total recruitment held for the vacant positions during the last three years till date, category-wise for SC, ST, OBC and others, university and institute-wise?
Ans.	<b>In terms of second para above there is no backlog in SC, ST &amp; OBC.</b>

Regards,

Yours sincerely,

(U.P. Singh)



# भारतीय प्रौद्योगिकी संस्थान रुड़की

रुड़की – 247 667, उत्तराखण्ड, भारत

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No. DFP (Plng.)/2017-18/509/62

Dated: 01.08.2017

Sri Kundan Nath  
Under Secretary (IIT's)  
Ministry of Human Resources Development  
Deptt. of Higher Education  
428-C, Shastri Bhawan  
New Delhi – 110 011

**Subject:-Rajya Sabha Starred Question No. 202 to be answered on 04.08.2017 regarding  
Faculty position in Central Institutions.**

Dear Sir,

Please refer to your mail dated 01.08.2017 on the above subject. The reply with respect to Indian Institute of Technology Roorkee is attached.

With regards,

Yours sincerely,

(U.P. Singh)



Statements of Faculty position as on 01.08.2017

Sl. No.	Name of the Institution	Name of post	No. of sanctioned post					Total	No of Existing posts					Total	No. of Vacant Posts					Total
			Gen	SC	ST	OBC	PWD		Gen	SC	ST	OBC	PWD		Gen	SC	ST	OBC	PWD	
1	Indian Institute of Technology Roorkee	Faculty Group 'A'	In terms of the MHRD letter No.23-3/08-IFD dated 08 <sup>th</sup> May 2008 the Faculty/Student Ratio should be 1:10. On this basis calculated faculty sanctioned strength is 776, working faculty 425 & vacant position is 351.					776	374	10	02	39	05	425	Due to applicability of flexible cadre, there is no vacant post in category wise.					351

\* Due to Horizontal reservation for PWD, these faculty members are inclusive in Gen/SC/ST/OBC.

*Gopal Sharma*  
1/8/17

*[Signature]*  
1/8/2017

सहायक कुलसचिव (भर्ती)  
Asstt. Registrar (Recruitment)  
भा. प्रौ. सं. रुड़की/IIIT Roorkee



**Details of teaching posts filled up, category-wise, during the last three years.**

Name of Institution	Name of post	General	SC	ST	OBC	PWD
Indian Institute of Technology Roorkee	Assistant Professor	45	Nil	Nil	03	03

*Chobe Sharma*  
*1/8/17*

*[Signature]*  
*1/8/2017*

सहायक कुलसचिव (भर्ती)  
Asstt. Registrar (Recruitment)  
भा. प्रौ. सं. रुड़की/IIT Roorkee





# भारतीय प्रौद्योगिकी संस्थान रुड़की

रुड़की - 247 667, उत्तराखण्ड, भारत

**INDIAN INSTITUTE OF TECHNOLOGY ROORKEE**

ROORKEE - 247 667, UTTARAKHAND, INDIA

प्रो० उदय पी० सिंह

कुलशासक, वित्त एवं नियोजन

**Prof. Udai P. Singh**

Dean, Finance & Planning

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No. DFP (Plng.)/2017-18/590/62

Dated: 26.10.2017

Mr. Arun Kumar Karn  
Asstt. Section Officer  
Technical Section-I, Department of Higher Education  
Ministry of Human Resources Development  
Govt. of India, Shastri Bhawan,  
New Delhi - 110 011

**Subject:- Assurance given in reply to Lok Sabha Unstarred Question No. 1345 for 21.03.2012 regarding Rating of Indian Universities asked by Shri Jagdish Sharma and others.**

Dear Sir,

Please refer to your mail dated 26.10.2017 on the above subject. The reply with respect to Indian Institute of Technology Roorkee is given below.

Sl. No.	Name of the Institute	(e) The details of the cumulative research output of patents from the IITs and NITs during the last three years			(f) Whether these patents have been commercially utilized by the industry; and	(g) if so, the details thereof?
		Year	Patent Filed	Patent Granted		
1.	Indian Institute of Technology, Roorkee	2014-15	Nil	03	Nil	N.A.
		2015-16	03	Nil		
		2016-17	06	Nil		

With Regards,

Yours sincerely,

(U.P. Singh)



# भारतीय प्रौद्योगिकी संस्थान रुड़की

रुड़की - 247 667, उत्तराखण्ड, भारत

## INDIAN INSTITUTE OF TECHNOLOGY ROORKEE

ROORKEE - 247 667, UTTARAKHAND, INDIA

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No. DFP (Plng.)/2017-18/647/62

Dated: 06.12.2017

Technical Co-ordination Section,  
Ministry of Human Resources Development  
Department of Higher Education  
Govt. of India, Shastri Bhawan,  
New Delhi - 110 011

**Subject:- URGENT:-Assurance for Lok Sabha Unstarred Question No. 1345 for 21.03.2012 regarding "Rating of Indian Universities".**

Dear Sir,

Please refer to your mail dated 05.12.2017 on the above subject. The reply with respect to Indian Institute of Technology Roorkee is given below.

Sl. No.	Name of the Institute	(e) The details of the cumulative research output of patents from the IITs and NITs during the last three years			(f) Whether these patents have been commercially utilized by the industry; and	(g) if so, the details thereof?
		Year	Patent Filed	Patent Granted		
1.	Indian Institute of Technology, Roorkee	2009-10	8	Nil	Nil	N.A.
		2010-11	9	Nil		
		2011-12	5	Nil		

With Regards,

Yours sincerely,

*U.P. Singh*  
(U.P. Singh) 6/12/17