



Registrar, IIT(BHU)Varanasi &lt;registrar@itbhu.ac.in&gt;

## Assurance - Lok Sabha Unstarred Question No. 1345 regarding Rating of Indian Universities replied on 21.03.2012

Registrar, IIT(BHU), Varanasi (U.P.) - 221005 <registrar@iitbhu.ac.in>  
To: Arun Kumar Karn HRDInformatics Division <akkarn.edu@nic.in>

Fri, Feb 24, 2017 at 2:15 PM

Dear Sir,

With reference to your below given e-mail, this is to inform that prima facie it seems that this is not applicable to IIT(BHU) as this Institute has been established by an Act of Parliament on 29.06.2012 only, however information sought for Assurance of Loksabha Unstarred Question No. 1345 regarding rating of Indian Universities replied on 21.03.2012.

However, we are providing the same information in prescribed format but for the period starting from 29.07.2012 i.e. date of establishment of this Institute, though it may not be in Assurance of Lok Sabha Unstarred Question No. 1345 regarding rating of Indian Universities replied on 21.03.2012:

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.	Indian Institute of Technology (BHU)	Please see attached file	Not so far	N.A.

Yours faithfully,

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Dr. S.P. Mathur

Registrar, IIT(BHU), Varanasi 221005 (UP)

Tel : 0542 2367780

Fax : 0542 2368428, 2367780

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 Attachment.pdf  
550K

Sl. No.	Title	Application No. from 2012 onwards	Status	Whether These patents have been commercially utilized by the Industry and
<b>Indian Patents through IPR Cell, BHU, Varanasi</b>				
1	Non Invasive Blood Glucose Meter Based on Modulated Ultrasound & Optical Technique	3877/DEL/2012 A	Applied	Not so far
2	Novel Design of Reactor	244209-2012	Awarded	Not so far
3	A novel platform design and formulation for eco-washing process of Carpets, rugs, 2013	692/DEL/2013	Awarded	Not so far
4	A novel polyherbal formulation for reduction in obesity and process for its preparation thereof ... 2013	735/DEL/2013	Applied	Not so far
5	A novel polyherbal formulation for treatment of menopause syndrome and process for its preparation thereof. 2013	733/DEL/2013	Applied	Not so far
6	A novel polyherbal formulation as anti fatigue and process for its preparation thereof. 2013	734/DEL/2013	Applied	Not so far
7	A novel polyherbal formulation for growing adolescent girl and process for its preparation thereof. 2013	736/DEL/2013	Applied	Not so far
8	Mildert Approach for the Removal of Chromium From Water using Nano Crystalline Zirconia	2425/DEL/2013	Applied	Not so far
9	Chemical Process for Formation of Anthraquinone Moiety-Cysteamine Functionalized-Gold Nanoparticle-Chitosan based Composite and Application in Detection of Dissolved Oxygen	2150/DEL/2013	Applied	Not so far
10	A novel PLA Scaffold for Bone Tissue Engineering	2013	Applied	Not so far
11	Contribution of Functional alkoxysilates in nanomaterials synthesis	2153/DEL/2013	Applied	Not so far
12	A process for the organic hydroperoxide-mediated synthesis of noble metal nanoparticles, bimetallic nanosol and prussian blue nanoparticles.	2153/DEL/2013	Applied	Not so far
13	Technique for protection of ferrocement from corrosion	2663/DEL/2014	Applied	Not so far
14	The Polyethylenimine and organic Reducing agent Mediated Synthesis of Noble Metal nanoparticles.	3043/DEL/2014	Applied	Not so far
15	Ploy (lactic acid) and process for preparation	236/Jan 28, 2014	Applied	Not so far
16	Synthesis, Evaluation and molecular dynamics studies of some new cholinesterase inhibitors with their effect on learning and memory in aged rats	04/12/2015	Applied	Not so far
17	Cholinesterase inhibitory compounds, composition and process thereof	201611011127 Dt. 30.03.2016	Applied	Not so far
<b>Indian Patents through IPR Cell, IIT(BHU), Varanasi</b>				
18	Inrush and fault detection system for transformer differential protection	2670/DEL/2015	Applied	Not so far
19	Degradation of Organic Pollutants Under Sunlight Using TiO <sub>2</sub> Nanoparticles Synthesised Hydrothermally	3022/DL/2015	Applied	Not so far
20	A novel setup for reaction cum separation process during fermentative production of alcohol	3078/DEL/2015	Applied	Not so far
21	An Innovative Polyherbal Bioabsorbable dermal patch for wound healing. 2015	2087/DEL/2015	Applied	Not so far
22	Development of assistive technology for blinds using hand gestures based dactylogogy to interact with computers and similar electronics system	4114/DEL/2015	Applied	Not so far
23	Advanced Electrode materials for Superior Pseudocapacitors and Reversible Alkali-ion (Li <sup>+</sup> /Na <sup>+</sup> ) Batteries	2016 1109 7934	Applied	Not so far
24	A Fermenter for Enhanced Bio-Hydrogen Production through Fermentative Route	2016 1101 1909	Applied	Not so far
25	A novel PH independent cellulose system.		Applied	Not so far
26	A method and system for variable Film Deposition on a solid Substrate	2016 1101 6344	Applied	Not so far
27	New Thermal Insulating Material Developed Using Biomass for furnace and Structural Purpose	2016 1102 4361	Applied	Not so far
28	Topical Composition for treatment of Burns with Enhanced Penetration and method of Formulating The Same	2016 1102 0044	Applied	Not so far
29	Radiably coupled cavity high pulse power microwave oscillator of gigawatt range for long repetitive pulse operation	2016 1103 2924	Applied	Not so far
30	A method for controlled Biodegradation of biopolymer using Inorganic Salt and product thereof.	2016 1102 9959	Applied	Not so far

31	Composition and process of developing a new building bricks using demolition waste, industrial waste, Agriculture waste for application in construction purpose	2016 3103 0744	Applied	Not so far
32	Process of synthesis of Cerium (IV) pyrophosphate (doped and undoped) with sheet/ honeycomb structure	2016 1103 3229	Applied	Not so far
33	Pyrophosphate- carbonate composite ionic Conductors and Process of producing the same	2016 1103 5252	Applied	Not so far
34	Eco friendly maintenance of desktop computers in computer labs of institutions.	2016 1103 8571	Applied	Not so far
35	Invention of a process and composition for recycling of different wastes ( Demolition waste, Coal combustion waste, Rice Husk Ash and Glass waste ) in tiles manufacturing at low energy consumption	2016 3103 9979	Applied	Not so far
36	A process to produce high energy Sr based permanent magnet for rotating machine application	2016 1104 3294	Applied	Not so far
37	A method to enhance piezoelectric and strain properties of lead free $(Ba_{1-x}Ca_{0.92}Sr_x)(Ti_{1-y}Zr_y)O_3$ ceramics	2016 1104 3293	Applied	Not so far
38	layer by layer Rapid Prototyping of Skeletal Muscle Tissue Constructs	2017 1100 4398	Applied	Not so far
39	Wound Healing Biodegradable Patch Using Ayurvedic Drug	2017 1100 3060	Applied	Not so far

*Rajiv Rakesh*

समन्वयन 22/1/2017

Coordinator

पेटेंट कोष

PATENT CELL

भारतीय प्रौद्योगिकी संस्थान (का.हि.वि.)  
Indian Institute of Technology (B.H.U.)  
वाराणसी / Varanasi-221005

## 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.

Academics IITBHU Varanasi &lt;academics@itbhu.ac.in&gt;

Sat, Jun 3, 2017 at 2:09 PM

To: knath.edu@nic.in

Cc: akkarn.edu@nic.in, "Registrar, IIT(BHU), Varanasi (U.P.) - 221005" &lt;registrar@itbhu.ac.in&gt;

Dear Sir,

This has reference to your email dated 31.05.2017 on the subject referred to above. In this regard, the desired information are as under:

Text of the Question	Reply of the Institute												
(a) The number of seats reserved for students of SC and ST communities in IITs, IIMs and NITs in the country;	IIT(BHU) – Seats reserved for SC and ST students: <table border="1" data-bbox="855 1059 1374 1395"> <thead> <tr> <th>Session</th> <th>SC</th> <th>ST</th> </tr> </thead> <tbody> <tr> <td>2016-17</td> <td>163</td> <td>88</td> </tr> <tr> <td>2015-16</td> <td>163</td> <td>88</td> </tr> <tr> <td>2014-15</td> <td>163</td> <td>88</td> </tr> </tbody> </table>	Session	SC	ST	2016-17	163	88	2015-16	163	88	2014-15	163	88
Session	SC	ST											
2016-17	163	88											
2015-16	163	88											
2014-15	163	88											
(b) The number of such reserved seats filled in each of these institutions during the last three years;	IIT(BHU) – Seats filled during last three years: <table border="1" data-bbox="850 1574 1369 1910"> <thead> <tr> <th>Session</th> <th>SC</th> <th>ST</th> </tr> </thead> <tbody> <tr> <td>2016-17</td> <td>158</td> <td>85</td> </tr> <tr> <td>2015-16</td> <td>152</td> <td>59</td> </tr> <tr> <td>2014-15</td> <td>139</td> <td>72</td> </tr> </tbody> </table>	Session	SC	ST	2016-17	158	85	2015-16	152	59	2014-15	139	72
Session	SC	ST											
2016-17	158	85											
2015-16	152	59											
2014-15	139	72											
(c) The reasons of such seats lying vacant, if any; and	N.A.												
(d) The details of discontinuance from studies													

by SC, ST and OBC students, from such IITs, IIMs, and NITs reported during the last three years, if any?

IIT(BHU) – Discontinuance from studies by SC, ST and OBC during last three years:

Session	SC	ST	OBC
2016-17	--	--	--
2015-16	--	--	01
2014-15	01	--	--

Yours faithfully,

Registrar



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Registrar, IIT(BHU)Varanasi &lt;registrar@itbhu.ac.in&gt;

## Lok Sabha Unstarred Question No. 219 to be replied on 17.07.2017 regarding "Student Death and Dropout in IITs"

Registrar, IIT(BHU), Varanasi (U.P.) - 221005 &lt;registrar@itbhu.ac.in&gt;

Thu, Jul 13, 2017 at 11:35 AM

To: Arun Kumar Karn HRDInformatics Division &lt;akkarn.edu@nic.in&gt;

Cc: "KUNDAN NATH, Under Secretary (IITs)" &lt;knath.edu@nic.in&gt;

Dear Sir,

This has reference to your email dated 11.07.2017 on the subject referred to above. In this regard, the desired information are as under:

(a) Whether the Government is aware of the numbers of student' deaths and dropout rates of Indian Institutes of Technology (IITs);

**Ans.:** There is no such case of dropouts from courses in IIT(BHU). One case of death has been reported in the Institute.

(b) If so, the details of such instances reported in the current year, Institution-wise and the reasons therefor; and

**Ans.:** Resident of Ramanujan Hostel of the Institute, Mr. Dara J. Bhim Raju, IDD 2<sup>nd</sup> year, Mining Engineering, Address Nellore District of Andhra Pradesh had reportedly committed suicide on 04.04.2017.

(c) Whether the students in IITs are encouraged to join de-stressing and other motivational/psychological activities for total personality development and if so, the details thereof?

**Ans.:** The Institute has taken following steps to prevent the such type of case:

- 1) If a student has earned CPI less than 4.00 he/she is advised by the Department/School concerned to clear their backlog first.
- 2) For such type of cases, counseling of students arranged at Department/School level.
- 3) The Heads/Coordinators of the departments/schools and wardens take responsibility of curbing wrong practices in hostel (alcohol, durgs etc.).
- 4) The Chairman, Council of Wardens undertakes raids in the night, Mentoring system has been setup at department/school as well as wardens level.
- 5) Professional group of consultants are to be invited for counseling of students.
- 6) Monitoring of attendance of deficient students by the department/school is regular. Their parents are also be informed accordingly.
- 7) Attendance of academically deficient students are monitored continuously. Names of such students are sent to conveners of courses where they are registered. In case a student misses two classes in a row, the course convener asks the student to report to him immediately. If the student misses three classes in a row, the matter is reported to the concerned Head of the Department.

Yours faithfully,

Registrar

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Dr. S.P. Mathur

Registrar, IIT(BHU), Varanasi 221005 (UP)

Tel : 0542 2367780

Fax : 0542 2368428, 2367780

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Registrar, IIT(BHU)Varanasi &lt;registrar@itbhu.ac.in&gt;

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**Lok Sabha Unstarred Question No. 1364 to be replied on 24.07.2017 regarding  
"Courses in Nano Scale Engineering"**

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Registrar, IIT(BHU), Varanasi (U.P.) - 221005 <registrar@iitbhu.ac.in>  
To: "KUNDAN NATH, Under Secretary (IITs)" <knath.edu@nic.in>

Wed, Jul 19, 2017 at 1:18 PM

Dear Sir,

This has reference to your e-mail dated 18.07.2017 on the subject referred to above. We are not planning to start a bachelor's course in Nanotech. However, it is a part of programmes in Material Sciences, Metallurgical Engg. & Ceramics, Physics, etc.

Yours faithfully,

Dr. S.P. Mathur

Registrar, IIT(BHU), Varanasi 221005 (UP)

Tel : 0542 2367780

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Registrar, IIT(BHU)Varanasi &lt;registrar@itbhu.ac.in&gt;

## Rajya Sabha Unstarred Question No. 1351 to be replied on 27.07.2017 regarding Suicides by students of IITs

Registrar, IIT(BHU), Varanasi (U.P.) - 221005 <registrar@iitbhu.ac.in>  
To: "KUNDAN NATH, Under Secretary (IITs)" <knath.edu@nic.in>

Mon, Jul 24, 2017 at 6:03 PM

Kundan Nath  
Under Secretary (IITs)  
Ministry of Human Resource Development  
Department of Higher Education  
428-C, Shastri Bhawan  
New Delhi-110011

E-mail : knath.edu@nic.in

Dear Sir,

This has reference to your email dated 24.07.2017 on the subject referred to above. In this regard, the desired information are as under:

(a) the number of suicides committed by the students of IITs, during the last three years;

**Ans.:** One case of death has been reported in the Institute during the Session 2016-17.

(b) whether the number of suicides has increased;

**Ans.:** No.

(c) whether the IITs have set up any committee to inquire into the causes of such suicides or otherwise addressed the issue;

**Ans.:** The Institute has taken following steps to prevent the such type of case:

- 1) If a student has earned CPI less than 4.00 he/she is advised by the Department/School concerned to clear their backlog first.
- 2) For such type of cases, counseling of students arranged at Department/School level.
- 3) The Heads/Coordinators of the departments/schools and wardens take responsibility of curbing wrong practices in hostel (alcohol, durgs etc.).
- 4) The Chairman, Council of Wardens undertakes raids in the night, Mentoring system has been setup at department/school as well as wardens level.
- 5) Professional group of consultants are to be invited for counseling of students.
- 6) Monitoring of attendance of deficient students by the department/school is regular. Their parents are also be informed accordingly.
- 7) Attendance of academically deficient students are monitored continuously. Names of such students are sent to conveners of courses where they are registered. In case a student misses two classes in a row, the course convener asks the student to report to him immediately. If the student misses three classes in a row, the matter is reported to the concerned Head of the Department.

(d) if so, the details thereof; and

**Ans.:** As mentioned in point No. (c).

(e) if not, the reasons therefor?

**Ans.:** N.A.

Yours faithfully,

Registrar

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Dr. S.P. Mathur

Registrar, IIT(BHU), Varanasi 221005 (UP)

Tel : 0542 2367780

Fax : 0542 2368428, 2367780

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Registrar, IIT(BHU)Varanasi <registrar@iitbhu.ac.in>

**Rajya Sabha Unstarred Question No.2145 to be answered on 3-8-2017 regarding "Enrolment of students in central institutions".**

Registrar, IIT(BHU), Varanasi (U.P.) - 221005 <registrar@iitbhu.ac.in>  
 To: Arun Kumar Karn HRDInformatics Division <akkarn.edu@nic.in>  
 Cc: "Director, IIT(BHU), Varanasi, INDIA" <director@iitbhu.ac.in>

Tue, Aug 1, 2017 at 8:20 PM

**Arun Kumar Karn**  
**Assistant Section Officer**  
**Technical Section-1**  
**Ministry of Human Resource Development**  
**Department of Higher Education, Shastri Bhawan,**  
**New Delhi-110115**  
**E-mail : akkarn.edu@nic.in**

**Subject: Rajya Sabha Unstarred Question No.2145 to be answered on 3-8-2017 regarding "Enrolment of students in central institutions".**

Dear Sir,

This has reference to your email dated 29.07.2017 and subsequent reminder dated 31.07.2017 on the subject referred to above. In this regard, the desired information are as under:

(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 student strength of Institute till date category-wise are given below:

Category	UG				PG				Ph.D.			
	Male		Female		Male		Female		Male		Female	
		PH		PH		PH		PH		PH		PH
General	1847	49	155	3	258	2	45	0	345	1	85	0
SC	597	1	44	0	90	0	17	0	110	0	33	0
ST	304	0	34	0	37	0	6	0	28	0	7	0
OBC	1075	26	59	2	209	1	18	0	229	0	47	0
<b>Total</b>	<b>3823</b>	<b>76</b>	<b>292</b>	<b>5</b>	<b>594</b>	<b>3</b>	<b>86</b>	<b>0</b>	<b>712</b>	<b>1</b>	<b>172</b>	<b>0</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 242 students enrolled in research programme during Odd Semester 2017-18 in the Institute. Five students out of 242 are enrolled under QIP programme in Computer Science and Engineering, Electronics and Biomedical Engineering of the Institute. The category-wise number of enrolled students are given below:

Category	Ph.D.				Total
	Male		Female		
		PH		PH	
General	97	1	27	0	125
SC	23	0	5	0	28
ST	4	0	1	0	5
OBC	67	0	17	0	84
<b>Total</b>	<b>191</b>	<b>1</b>	<b>50</b>	<b>0</b>	<b>242</b>

(c) the steps taken by Government during the last three years to increase the enrolment of SC/ST students at the reasearch level studies in various universities and institutions?

**Ans.:** Institute has been provided an Institute Stipend/JRF/SRF to all the students who enrolled in the Institute for research level studies as well as Postgraduate programmes since session 2013-14 onwards.

Yours faithfully,

Registrar

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Dr. S.P. Mathur

Registrar, IIT(BHU), Varanasi 221005 (UP)

Tel : 0542 2367780

Fax : 0542 2368428, 2367780

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Registrar, IIT(BHU)Varanasi <registrar@itbhu.ac.in>

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**Fwd: Rajya Sabha Starred Question No. 202 to be answered on 04.08.2017  
regarding Faculty positions in Central institutions**

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Registrar, IIT(BHU), Varanasi (U.P.) - 221005 <registrar@iitbhu.ac.in>

Thu, Aug 3, 2017 at 1:14 PM

To: "KUNDAN NATH, Under Secretary (IITs)" <knath.edu@nic.in>, Arun Kumar Karn HRDInformatics Division  
<akkarn.edu@nic.in>

Dear Sir,

This has reference to your trailing email dated 01.08.2017 on the subject cited above.

The available details related to point (a) & (b) are given in Annexure "I" & "II" as desired by you.

Yours faithfully,

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Dr. S.P. Mathur

Registrar, IIT(BHU), Varanasi 221005 (UP)

Tel : 0542 2367780

Fax : 0542 2368428, 2367780

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**Annuxure I & II.docx**

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## Statement of Faculty position as on 03.08.2017

Name of Institution	No. of sanctioned posts  (on the basis of current student's strength)	No. of Existing Posts						No. of total Vacant Posts
		General	OB C	SC	ST	PWD	Total	
Indian Institute of Technology (BHU), Varanasi	532	216	16	18	03	2	255	277

**Annexure "II"****Details of teaching posts filled up, category-wise, during the last three years:**

<b>Name of Institution</b>	<b>Year</b>	<b>General</b>	<b>OBC</b>	<b>SC</b>	<b>ST</b>	<b>PWD</b>	<b>Total</b>
Indian Institute of Technology (BHU), Varanasi	2014	10	1	0	0	0	11
	2015	17	1	0	0	0	18
	2016	17	2	1	0	0	20
	2017* (Till July)	11	2	0	0	0	13
<b>Grand Total</b>							<b>62</b>



Registrar, IIT(BHU)Varanasi &lt;registrar@itbhu.ac.in&gt;

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**URGENT:Assurance given in reply to Rajya Sabha UnStarred Question No. 61 dated 2.2.2017 asked by Shri K.K. Ragesh regarding Seats reserved for students of SC and ST communities**

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Registrar, IIT(BHU), Varanasi (U.P.) - 221005 <registrar@iitbhu.ac.in>  
To: TC Section <mhrdtc@gmail.com>

Tue, Oct 17, 2017 at 10:41 AM

Dear Sir,

This has reference to your trailing e-mail dated 13.10.2017, regarding question "The reasons of such seats lying vacant, if any", answer may be given as **"institute takes admissions through JEE, so, we are not able to know the actual reasons about vacant seats. Some of the students were allotted seats but they id not register themselves in the institute"**.

Yours faithfully,

Dr. S.P. Mathur

Registrar, IIT(BHU), Varanasi 221005 (UP)

Tel : 0542 2367780

Fax : 0542 2368428, 2367780

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Registrar, IIT(BHU)Varanasi &lt;registrar@itbhu.ac.in&gt;

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**Lok Sabha Unstarred Question No..2140 for answer on 01.01.2018 regarding Sexual harassment in the Higher Education Institutes**

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Registrar, IIT(BHU), Varanasi (U.P.) - 221005 &lt;registrar@iitbhu.ac.in&gt;

Sat, Dec 30, 2017 at 3:54 PM

To: Arun Kumar Karn HRDInformatics Division &lt;akkarn.edu@nic.in&gt;

Cc: "Deputy Registrar, Administration, IIT (BHU) Varanasi" &lt;deputyregistrar.admin@itbhu.ac.in&gt;

Dear Sir,

Please refer to the trailing mail dated 28.12.2017 on the subject cited above.

In this connection, this is to inform you that no case of sexual harassment has been received in this Institute so far.

Yours faithfully,

Dr. S.P. Mathur

Registrar, IIT(BHU), Varanasi 221005 (UP)

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**DoPT's O.M. No. 41016/12/2016 - Estt. (Res) dated 30.11.2016 regarding assurances arising out of LSUQ No. 3505 dated 07.12.2017 seeking vacancies in various Departments.**

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Registrar, IIT(BHU), Varanasi (U.P.) - 221005 <registrar@iitbhu.ac.in>  
To: Arun Kumar Karn HRDInformatics Division <akkarn.edu@nic.in>

Sat, Jan 20, 2018 at 4:48 PM

Dear Sir,

Please refer to your trailing e-mail dated 18.1.2018, on the subject cited above.

In this connection, the desired information regarding teaching and non-teaching positions at points no.(a) to (c) is attached in Annexure-I & III.

As far information desired at point no.(d) & (e) is concerned, the Institute has followed the Government of India rules for appointment and promotion of SCs and STs.

Yours faithfully,

Dr. S.P. Mathur

Registrar, IIT(BHU), Varanasi 221005 (UP)

Tel : 0542 2367780

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**No. of vacancies of SCs.STs.docx**

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**Annexure- I**

**No. of vacancies of SCs/STs in direct recruitment as on 30.11.2016**

<b>Teaching Positions</b>						
	<b>SC</b>			<b>ST</b>		
	<b>Groups</b>			<b>Groups</b>		
	<b>A</b>	<b>B</b>	<b>C</b>	<b>A</b>	<b>B</b>	<b>C</b>
Vacancies in the Ministry/ Department as on 30.11.2016	Nil	Nil	Nil	Nil	Nil	Nil
Consolidated vacancies in all the Central Public Sector Undertakings under the Ministry/ Department as on 30.11.2016	Nil	Nil	Nil	Nil	Nil	Nil

**No. of vacancies of SCs/STs in promotion as on 30.11.2016**

<b>Teaching Positions</b>						
	<b>SC</b>			<b>ST</b>		
	<b>Groups</b>			<b>Groups</b>		
	<b>A</b>	<b>B</b>	<b>C</b>	<b>A</b>	<b>B</b>	<b>C</b>
Vacancies in the Ministry/ Department as on 30.11.2016	Nil	Nil	Nil	Nil	Nil	Nil
Consolidated vacancies in all the Central Public Sector Undertakings under the Ministry/ Department as on 30.11.2016	Nil	Nil	Nil	Nil	Nil	Nil

**Annexure- III**

**Consolidated no. of appointments made for SCs/STs in direct recruitment in the Central Public Sector Undertakings under the Ministry/ Department as on 30.11.2016**

Teaching Positions						
Year	SC			ST		
	Groups			Groups		
	A	B	C	A	B	C
2013	-	Nil	Nil	--	Nil	Nil
2014	-	Nil	Nil	--	Nil	Nil
2015	-	Nil	Nil	--	Nil	Nil
2016	1	Nil	Nil	--	Nil	Nil

**Consolidated no. of appointments made for SCs/STs in direct recruitment in the Central Public Sector Undertakings under the Ministry/ Department as on 30.11.2016**

Teaching Positions						
Year	SC			ST		
	Groups			Groups		
	A	B	C	A	B	C
2013	Nil	Nil	Nil	Nil	Nil	Nil
2014	Nil	Nil	Nil	Nil	Nil	Nil
2015	Nil	Nil	Nil	Nil	Nil	Nil
2016	Nil	Nil	Nil	Nil	Nil	Nil

**Annexure- I**

**No. of vacancies of SCs/STs in direct recruitment as on 30.11.2016**

<b>Non- Teaching Positions</b>						
	<b>SC</b>			<b>ST</b>		
	<b>Groups</b>			<b>Groups</b>		
	<b>A</b>	<b>B</b>	<b>C</b>	<b>A</b>	<b>B</b>	<b>C</b>
Vacancies in the Ministry/ Department as on 30.11.2016	Nil	Nil	Nil	Nil	Nil	Nil
Consolidated vacancies in all the Central Public Sector Undertakings under the Ministry/ Department as on 30.11.2016	Nil	Nil	Nil	Nil	Nil	Nil

**No. of vacancies of SCs/STs in promotion as on 30.11.2016**

<b>Non- Teaching Positions</b>						
	<b>SC</b>			<b>ST</b>		
	<b>Groups</b>			<b>Groups</b>		
	<b>A</b>	<b>B</b>	<b>C</b>	<b>A</b>	<b>B</b>	<b>C</b>
Vacancies in the Ministry/ Department as on 30.11.2016	Nil	Nil	Nil	Nil	Nil	Nil
Consolidated vacancies in all the Central Public Sector Undertakings under the Ministry/ Department as on 30.11.2016	Nil	Nil	Nil	Nil	Nil	Nil

**Annexure- III**

**Consolidated no. of appointments made for SCs/STs in direct recruitment in the Central Public Sector Undertakings under the Ministry/ Department as on 30.11.2016**

<b>Non- Teaching Positions</b>						
<b>Year</b>	<b>SC</b>			<b>ST</b>		
	<b>Groups</b>			<b>Groups</b>		
	<b>A</b>	<b>B</b>	<b>C</b>	<b>A</b>	<b>B</b>	<b>C</b>
2013	--	--	--	--	--	--
2014	1	--	2	--	--	1
2015	1	--	3	--	--	--
2016	--	1	1	--	--	--

**Consolidated no. of appointments made for SCs/STs in direct recruitment in the Central Public Sector Undertakings under the Ministry/ Department as on 30.11.2016**

<b>Non- Teaching Positions</b>						
<b>Year</b>	<b>SC</b>			<b>ST</b>		
	<b>Groups</b>			<b>Groups</b>		
	<b>A</b>	<b>B</b>	<b>C</b>	<b>A</b>	<b>B</b>	<b>C</b>
2013	Nil	Nil	Nil	Nil	Nil	Nil
2014	Nil	Nil	Nil	Nil	Nil	Nil
2015	Nil	Nil	Nil	Nil	Nil	Nil
2016	Nil	Nil	Nil	Nil	Nil	Nil



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**Centenary Celebrations**

Registrar, IIT(BHU)Varanasi <registrar@itbhu.ac.in>

## URGENT - Lok Sabha Unstarred Question No. 3765 to be replied on 9.03.2018 regarding Degrees from IITs and Medical Colleges.

9 messages

**KUNDAN NATH, Under Secretary (IITs)** <knath.edu@nic.in>

Wed, Mar 14, 2018 at 1:27 PM

To: director@iitb.ac.in, director@admin.iitd.ac.in, director@iitk.ac.in, director@iitkgp.ernet.in, director@iitm.ac.in, director@iitg.ernet.in, director@iitr.ac.in, director@itbhu.ac.in, director@iitrpr.ac.in, director@iitp.ac.in, director@iith.ac.in, director@iitj.ac.in, director@iitgn.ac.in, director@iitbbs.ac.in, director@iiti.ac.in, director@iitmandi.ac.in, director@iitism.ac.in


Cc: registrar@iitb.ac.in, registrar@admin.iitd.ac.in, registrar@iitk.ac.in, registrar@hijli.iitkgp.ernet.in, reg@hijli.iitkgp.ernet.in, registrar@iitm.ac.in, regroff@iitm.ac.in, registrar@iitg.ernet.in, registrar@iitr.ac.in, registrar@iitbhu.ac.in, registrar@iitrpr.ac.in, registrar@iitp.ac.in, registrar@iith.ac.in, registrar@iitj.ac.in, registrar@iitgn.ac.in, registrar@iitbbs.ac.in, registrar@iiti.ac.in, registrar@iitmandi.ac.in, registrar@iitism.ac.in

Sir,

Kindly see the attached Lok Sabha Unstarred Question No. 3765 to be replied on 19.03.2018 regarding Degrees from IITs and Medical Colleges asked by Shri P. Kumar. In this regard, it is requested that the requisite information with regard to the question may please be sent to this Ministry by return mail by today 5:00 p.m. positively.

Regards,

Kundan Nath  
Under Secretary (IITs)  
Ministry of Human Resource Development  
Department of Higher Education  
428-C, Shastri Bhawan  
New Delhi-110011  
Tel: 011 - 23381698

 **question 19.03.2018.pdf**  
6243K

**Registrar, IIT(BHU), Varanasi (U.P.) - 221005** <registrar@iitbhu.ac.in>

Wed, Mar 14, 2018 at 1:50 PM

To: Training and Placement Office ITBHU <tpo@itbhu.ac.in>

-----


Dr. S.P. Mathur

Registrar, IIT(BHU), Varanasi 221005 (UP)

Tel : 0542 2367780

Fax : 0542 2368428, 2367780

[Quoted text hidden]

 **question 19.03.2018.pdf**  
6243K

**Training and Placement Cell, IIT (BHU) Varanasi** <tpo@iitbhu.ac.in>

Wed, Mar 14, 2018 at 4:51 PM

Reply-To: tpo@iitbhu.ac.in

To: "Registrar, IIT(BHU), Varanasi (U.P.) - 221005" <registrar@iitbhu.ac.in>

Dear Sir,

The details of placement offers and percentage of students opted job abroad during the last 5 years

from the Indian Institute of Technology (Banaras Hindu University) are given below:

(a) & (b)

Session	Total Placement Offers	International Offer	% of students opted job abroad
2017-18	729	05	0.68
2016-17	710	04	0.58
2015-16	702	04	0.52
2014-15	726	04	0.52
2013-14	702	05	0.71

(c) N.A.

(d) N.A.

With regards,

Professor Incharge  
Training and Placement Cell  
IIT (BHU) Varanasi

[Quoted text hidden]

---

Registrar, IIT(BHU), Varanasi (U.P.) - 221005 <registrar@iitbhu.ac.in>  
To: "KUNDAN NATH, Under Secretary (IITs)" <knath.edu@nic.in>

Wed, Mar 14, 2018 at 4:59 PM

Dear Sir,

With reference to your trailing mail, the details of placement offers and percentage of students opted job abroad during the last 5 years from the Indian Institute of Technology (Banaras Hindu University) are given below:

(a) & (b)

Session	Total Placement Offers	International Offer	% of students opted job abroad
2017-18	729	05	0.68
2016-17	710	04	0.58
2015-16	702	04	0.52
2014-15	726	04	0.52
2013-14	702	05	0.71

(c) N.A.

(d) N.A.

With regards,

-----  
Dr. S.P. Mathur



Registrar, IIT(BHU), Varanasi 221005 (UP)

Tel : 0542 2367780

Fax : 0542 2368428, 2367780

[Quoted text hidden]

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**Director, IIT(BHU), Varanasi, INDIA** <director@iitbhu.ac.in>  
To: Registrar ITBHU <registrar@itbhu.ac.in>

Wed, Mar 14, 2018 at 5:12 PM

----- Forwarded message -----

From: **KUNDAN NATH, Under Secretary (IITs)** <knath.edu@nic.in>

Date: Wed, Mar 14, 2018 at 1:27 PM

Subject: URGENT - Lok Sabha Unstarred Question No. 3765 to be replied on 9.03.2018 regarding Degrees from IITs and Medical Colleges.

To: director@iitb.ac.in, director@admin.iitd.ac.in, director@iitk.ac.in, director@iitkgp.ernet.in, director@iitm.ac.in, director@iitg.ernet.in, director@iitr.ac.in, director@itbhu.ac.in, director@iitrpr.ac.in, director@iitp.ac.in, director@iith.ac.in, director@iitj.ac.in, director@iitgn.ac.in, director@iitbbs.ac.in, director@iiti.ac.in, director@iitmandi.ac.in, director@iitism.ac.in

Cc: registrar@iitb.ac.in, registrar@admin.iitd.ac.in, registrar@iitk.ac.in, registrar@hijli.iitkgp.ernet.in, reg@hijli.iitkgp.ernet.in, registrar@iitm.ac.in, regroff@iitm.ac.in, registrar@iitg.ernet.in, registrar@iitr.ac.in, registrar@iitbhu.ac.in, registrar@iitrpr.ac.in, registrar@iitp.ac.in, registrar@iith.ac.in, registrar@iitj.ac.in, registrar@iitgn.ac.in, registrar@iitbbs.ac.in, registrar@iiti.ac.in, registrar@iitmandi.ac.in, registrar@iitism.ac.in

[Quoted text hidden]

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Prof. Rajeev Sangal, FNAE  
Director,  
Indian Institute of Technology  
(Banaras Hindu University),  
Varanasi - 221005 (U.P.) INDIA


Phone: +91 542 2368427(O), +91 542 2368106(O)

Fax: +91 542 2368428

E-mail: director@iitbhu.ac.in

Web: <http://www.iitbhu.ac.in/> [[www.iitbhu.ac.in](http://www.iitbhu.ac.in/)]

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 **question 19.03.2018.pdf**  
6243K

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**Registrar, IIT(BHU), Varanasi (U.P.) - 221005** <registrar@iitbhu.ac.in>

Wed, Mar 14, 2018 at 6:02 PM

To: Training and Placement Office ITBHU <tpo@itbhu.ac.in>, "Assistant Registrar, Academic, IIT (BHU), Varanasi" <assistantregistrar.academic@itbhu.ac.in>

Forwarded for making available necessary information.

-----


Dr. S.P. Mathur

Registrar, IIT(BHU), Varanasi 221005 (UP)

Tel : 0542 2367780

Fax : 0542 2368428, 2367780

[Quoted text hidden]

 **question 19.03.2018.pdf**  
6243K

**Tarun Kumar Pandey, Junior Assistant, IIT (BHU)** <tarunkp.ms@itbhu.ac.in>

Thu, Mar 15, 2018 at 11:07 AM

To: "assistantregistrar.academic" <assistantregistrar.academic@itbhu.ac.in>

Cc: "Registrar, IIT(BHU), Varanasi (U.P.) - 221005" <registrar@itbhu.ac.in>, ps.director@itbhu.ac.in

Dear Sir,

This has reference to the mail dated 14.03.2018 from Under Secretary (IITs), MHRD on the subject cited above, to be replied on 19.03.2018 regarding Degrees from IITs and Medical Colleges asked by Shri P. Kumar. I am furnishing the point-wise information pertaining to the students of the Institute.

(a) whether the Government is aware that there is any data available on percentage of students opting for jobs abroad after completion of their degree from Indian Institutes of Technology (IITs) and Government medical colleges during the last five years.

**Ans.:** Last five years degrees awarded by the Institute:

Degree Award of Year	No. of students awarded the degrees				
	B.Tech./B.Pharm.	IDD/IMD	M.Tech./M.Pharm.	Ph.D.	Total
2013	577	121	284	21	<b>1003</b>
2014	715	147	309	47	<b>1218</b>
2015	704	158	254	52	<b>1168</b>
2016	730	216	265	64	<b>1275</b>
2017	702	227	245	81	<b>1255</b>

Note: Percentage of students opting for jobs abroad after completion of their degree from the Institute shall be provided by the Training and Placement Cell of the Institute.

(b) if so, the details thereof;

**Ans.:** details shall be provided by the Training and Placement Cell, IIT(BHU).

(c) the total amount spent by the Government for each students studying in the IIT and the Government medical college; and

**Ans.:** details shall be provided by the Budget Section of the Institute.

(d) the steps taken by the Government to stop brain-drain and to retain the talent in the country?

(e) **Ans.:** Not applicable.

### **Assistant Registrar (Academic Affairs)**

On Wed, Mar 14, 2018 at 6:29 PM, assistantregistrar.academic <assistantregistrar.academic@itbhu.ac.in> wrote:

For necessary action.

The question is to be replied on 19th March

Sent from my Samsung Galaxy smartphone.

[Quoted text hidden]

--

**Tarun Kumar Pandey**

**Junior Assistant**

Office of the Dean (Academic Affairs)

Indian Institute of Technology

(Banaras Hindu University)  
Varanasi - 221 005

Registrar, IIT(BHU), Varanasi (U.P.) - 221005 <registrar@iitbhu.ac.in>

Thu, Mar 15, 2018 at 11:47 AM

To: "Asst. Registrar, Budget, IIT(BHU), Varanasi, India" <assistantregistrar.budget@iitbhu.ac.in>

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Dr. S.P. Mathur

Registrar, IIT(BHU), Varanasi 221005 (UP)

Tel : 0542 2367780

Fax : 0542 2368428, 2367780

----- Forwarded message -----

From: **KUNDAN NATH, Under Secretary (IITs)** <knath.edu@nic.in>


Date: Wed, Mar 14, 2018 at 1:27 PM

Subject: URGENT - Lok Sabha Unstarred Question No. 3765 to be replied on 9.03.2018 regarding Degrees from IITs and Medical Colleges.

To: director@iitb.ac.in, director@admin.iitd.ac.in, director@iitk.ac.in, director@iitkgp.ernet.in, director@iitm.ac.in, director@iitg.ernet.in, director@iitr.ac.in, director@iitbhu.ac.in, director@iitrpr.ac.in, director@iitp.ac.in, director@iith.ac.in, director@iitj.ac.in, director@iitgn.ac.in, director@iitbbs.ac.in, director@iiti.ac.in, director@iitmandi.ac.in, director@iitism.ac.in

Cc: registrar@iitb.ac.in, registrar@admin.iitd.ac.in, registrar@iitk.ac.in, registrar@hijli.iitkgp.ernet.in, reg@hijli.iitkgp.ernet.in, registrar@iitm.ac.in, regroff@iitm.ac.in, registrar@iitg.ernet.in, registrar@iitr.ac.in, registrar@iitbhu.ac.in, registrar@iitrpr.ac.in, registrar@iitp.ac.in, registrar@iith.ac.in, registrar@iitj.ac.in, registrar@iitgn.ac.in, registrar@iitbbs.ac.in, registrar@iiti.ac.in, registrar@iitmandi.ac.in, registrar@iitism.ac.in

[Quoted text hidden]

 **question 19.03.2018.pdf**  
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Registrar, IIT(BHU), Varanasi (U.P.) - 221005 <registrar@iitbhu.ac.in>

Thu, Mar 15, 2018 at 1:09 PM

To: "KUNDAN NATH, Under Secretary (IITs)" <knath.edu@nic.in>

Dear Sir,

In continuation to our trailing mail dated 14.3.2018, on the subject cited above, to be replied on 19.03.2018 regarding Degrees from IITs and Medical Colleges asked by Shri P. Kumar. I am furnishing the point-wise information pertaining to the students of the Institute.

[Quoted text hidden]

(b) if so, the details thereof;

Session	Total Placement Offers	International Offer	% of students opted job abroad
2017-18	729	05	0.68
2016-17	710	04	0.58
2015-16	702	04	0.52
2014-15	726	04	0.52
2013-14	702	05	0.71

(c) the total amount spent by the Government for each students studying in the IIT and the Government medical college; and

Ans.: The total amount spent by the government for each student studying in the IIT (BHU) is worked out to Rs.2.76 Lakh (approx), on the basis financial year

2016-17. As regard, the data pertaining to medical college does not pertain with US.

(d) the steps taken by the Government to stop brain-drain and to retain the talent in the country?

**Ans.:** Not applicable.

Yours faithfully,

Dr. S.P. Mathur

Registrar, IIT(BHU), Varanasi 221005 (UP)

Tel : 0542 2367780

Fax : 0542 2368428, 2367780

[Quoted text hidden]



Registrar, IIT(BHU)Varanasi &lt;registrar@itbhu.ac.in&gt;

## MOST URGENT- RSUSQ NO.3131 for answer on 22.03.2018 regarding drop outs in IITs.

Registrar, IIT(BHU), Varanasi (U.P.) - 221005 &lt;registrar@itbhu.ac.in&gt;

Mon, Mar 19, 2018 at 2:12 PM

To: "KUNDAN NATH, Under Secretary (IITs)" &lt;knath.edu@nic.in&gt;, Arun Kumar Karn HRD Informatics Division &lt;akkarn.edu@nic.in&gt;

Dear Sir,

This has reference to the mail dated 19.03.2018 from Under Secretary (IITs), MHRD on the subject cited above, to be replied on 22.03.2018 regarding 'Drop outs in IITs' asked by Shri Basawaraj Patil has been admitted in the Rajya Sabha as Unstarred. I am furnishing the information in the prescribed format pertaining to the students of the Institute.

### Name of the Institute: Indian Institute of Technology (BHU)

No. of students who have taken admission in IITs			Ratio of drop outs vis-a-vis those appearing in final examination			Whether any assessment has been made to ascertain the reasons, if so, the details thereof	Reasons of drop outs	Action taken by the Institute to minimize the drop outs.
2015	2016	2017	2015	2016	2017	---	---	---
996	1037	1054	03	02	05	No	Personal reason	N.A.

Yours faithfully,

Dr. S.P. Mathur

Registrar, IIT(BHU), Varanasi 221005 (UP)

Tel : 0542 2367780

Fax : 0542 2368428, 2367780

[Quoted text hidden]

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Registrar, IIT(BHU)Varanasi &lt;registrar@itbhu.ac.in&gt;

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**Lok Sabha Unstarred Question No. 3759 to be replied on 19.03.2018 regarding Faculty Positions in IITs**

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Registrar, IIT(BHU), Varanasi (U.P.) - 221005 <registrar@itbhu.ac.in>  
To: "KUNDAN NATH, Under Secretary (IITs)" <knath.edu@nic.in>

Thu, Mar 15, 2018 at 1:12 PM

Dear Sir,

Please refer to your trailing e-mail dated 14.03.2018, on the subject cited above. The details related to point (a), (b) & (c) of the Lok Sabha Unstarred Question No. 3759 are as under:

- (a) The number of faculty position is based on the student strength and presently, it is in the ratio of 10:1. Due to increase in number of students the authorized strength of faculty members increases. Accordingly, the vacant position grows up in case desired numbers of faculty positions are not filled in a particular year. Now, faculty positions are increasing year after year due to increasing student strength.
- (b) The total number of faculty positions filled after conversion of IT-BHU into IIT(BHU) i.e. 29.06.2012 is 112, out of which 06 did not join and joining of 22 is awaited.
- (c) The Institute is in the process of recruitment of Faculty positions through rolling advertisement and interviews are conducting regularly.

Yours faithfully,

Dr. S.P. Mathur

Registrar, IIT(BHU), Varanasi 221005 (UP)

Tel : 0542 2367780

Fax : 0542 2368428, 2367780

[Quoted text hidden]



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Registrar, IIT(BHU)Varanasi <registrar@itbhu.ac.in>

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## Lok Sabha Unstarred Question No. 5629 to be answered on 02.04.2018 regarding Complains of Harassment

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Registrar, IIT(BHU), Varanasi (U.P.) - 221005 <registrar@iitbhu.ac.in>

Tue, Mar 27, 2018 at 2:39 PM

To: "KUNDAN NATH, Under Secretary (IITs)" <knath.edu@nic.in>, Arun Kumar Karn HRDInformatics Division  
<akkarn.edu@nic.in>

Dear Sir,

Please refer to the trailing mail dated 27.03.2018 on the subject cited above.

In this regard, this is to inform you that the Institute has constituted SC/ST Grievance Committee for Redressal of Grievance/Complaints of SC/ST faculty/non-faculty employees.

Further, no complaint of harassment on the basis of casteism has been received from SC/ST employees of the Institute during last three years.

Yours faithfully,

Dr. S.P. Mathur

Registrar, IIT(BHU), Varanasi 221005 (UP)

Tel : 0542 2367780

Fax : 0542 2368428, 2367780

[Quoted text hidden]

Sl. No.	Title	Application No. from 2012 onwards	Status	Whether These patents have been commercially utilized by the Industry and
<b>Indian Patents through IPR Cell, BHU, Varanasi</b>				
1	Non Invasive Blood Glucose Meter Based on Modulated Ultrasound & Optical Technique	3877/DEL/2012 A	Applied	Not so far
2	Novel Design of Reactor	244209-2012	Awarded	Not so far
3	A novel platform design and formulation for eco washing process of Carpets. rags. 2013	692/DEL/2013	Awarded	Not so far
4	A novel polyherbal formulation for reduction in obesity and process for its preparation thereof... 2013	735/DEL/2013	Applied	Not so far
5	A novel polyherbal formulation for treatment of menopause syndrome and process for its preparation thereof... 2013	733/DEL/2013	Applied	Not so far
6	A novel polyherbal formulation as anti fatigue and process for its preparation thereof... 2013	734/DEL/2013	Applied	Not so far
7	A novel polyherbal formulation for growing adolescent girl and process for its preparation thereof... 2013	736/DEL/2013	Applied	Not so far
8	Maiden Approach for the Removal of Chromium From Water using Nano Crystalline Zirconia	2425/DEL/2013	Applied	Not so far
9	Chemical Process for Formation of Anthraquinone Moiety Cysteamine Functionalized-Gold Nanoparticle/Chitosan based Composite and Application in Detection of Dissolved Oxygen	3150/DEL/2013	Applied	Not so far
10	A novel PLA Scaffold for Bone Tissue Engineering	2013	Applied	Not so far
11	Contribution of Functional alkoxysilanes in nanomaterials synthesis	2153/DEL/2013	Applied	Not so far
12	A process for the organic hydroperoxide-mediated synthesis of noble metal nanoparticles, bimetallic nanosol and prussian blue nanoparticles.	2153/DEL/2013	Applied	Not so far
13	Technique for protection of ferrocene from corrosion	3697/DEL/2014	Applied	Not so far
14	The Polyethylenimine and organic Reducing agent Mediated Synthesis of Noble Metal nanoparticles	4043/DEL/2014	Applied	Not so far
15	Ploy (lactic acid) and process for preparation	236/Jan 28, 2014	Applied	Not so far
16	Synthesis, Evaluation and molecular dynamics studies of some new cholinesterase inhibitors with their effect on learning and memory in aged rats	04.12.2015	Applied	Not so far
17	Cholinesterase inhibitory compounds, composition and process thereof	201611011127 Dr 30 03.2016	Applied	Not so far
<b>Indian Patents through IPR Cell, IIT(BHU), Varanasi</b>				
18	Inrush and fault detection system for transformer differential protection	2650/DEL/2015	Applied	Not so far
19	Degradation of Organic Pollutants Under Sunlight Using TiO <sub>2</sub> Nanoparticles Synthesised Hydrothermally	3022/DEL/2015	Applied	Not so far
20	A novel setup for reaction cum separation process during fermentative production of alcohol	3078/DEL/2015	Applied	Not so far
21	An Innovative Polyherbal Bioabsorbable dermal patch for wound healing... 2015	2087/DEL/2015	Applied	Not so far
22	Development of assistive technology for blinds using hand gestures based dactylogy to interact with computers and similar electronics system	4114/DEL/2015	Applied	Not so far
23	Advanced Electrode materials for Superior Pseudocapacitors and Reversible Alkali-ion (Li <sup>+</sup> /Na <sup>+</sup> ) Batteries	2016 1100 7934	Applied	Not so far
24	A Fermenter for Enhanced Bio-Hydrogen Production through fermentative Route	2016 1101 1909	Applied	Not so far
25	A novel PH-independent cellulose system.		Applied	Not so far
26	A method and system for variable Film Deposition on a solid Substrate	2016 1101 6344	Applied	Not so far
27	New Thermal Insulating Material Developed Using Biomass for furnace and Structural Purpose	2016 1102 4361	Applied	Not so far
28	Topical Composition for treatment of Burns with Enhanced Penetration and method of Formulating The Same	2016 1102 0044	Applied	Not so far
29	Radially coupled cavity high pulse power microwave oscillator of gigawatt range for long repetitive pulse operation.	2016 1103 2924	Applied	Not so far
30	A method for controlled Biodegradation of biopolymer using Inorganic Salt and product thereof.	2016 1102 9959	Applied	Not so far



31	Composition and process of developing a new building bricks using demolition waste, Industrial waste, Agriculture waste for application in construction purpose	2016 3103 0744	Applied	Not so far
32	Process of synthesis of Cerium (IV) pyrophosphate (doped and undoped) with sheet honeycomb structure.	2016 1103 3229	Applied	Not so far
33	Pyrophosphates-carbonate composite ferric Conductors and Process of producing the same	2016 1103 5232	Applied	Not so far
34	Eco friendly maintenance of desktop computers in computer labs of institutions.	2016 1103 8371	Applied	Not so far
35	Invention of a process and composition for recycling of different wastes ( Demolition waste, Coal combustion waste, Rice Husk Ash and Glass waste ) in tiles manufacturing at low energy consumption	2016 3103 9970	Applied	Not so far
36	A process to produce high energy Sr based permanent magnet for rotating machine application	2016 1104 3294	Applied	Not so far
37	A method to enhance piezoelectric and strain properties of lead free $(\text{Ba}_{1-x}\text{Ca}_{0.02}\text{Sr}_x)(\text{Ti}_{1-x}\text{Zr}_x)\text{O}_3$ ceramics	2016 1104 3293	Applied	Not so far
38	layer by layer Rapid Prototyping of Skeletal Muscle Tissue Constructs	2017 1100 4598	Applied	Not so far
39	Wound Healing Biodegradable Patch Using Ayurvedic Drug	2017 1100 3060	Applied	Not so far

*Rajiv Rakesh*

समन्वयक 23/1/2017

Coordinator

पेटेंट कोष

PATENT CELL

भारतीय प्रौद्योगिकी संस्थान (का.हि.वि.)  
Indian Institute of Technology (B.H.U.)

वाराणसी/Varanasi-221005