



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

Lok Sabha Unstarred Question No. 118 for answer on 03.02.2020 asked by Shri P. V. Midhun Reddy regarding Block Chain Technology.

L RAGHAVENDRAN, Section Officer (TS-1) Dept. of Education

Tue, Jan 28, 2020 at 4:20 PM

<lraghavendran.edu@nic.in>

To: "BHU (Varanasi) IIT- Director" <director@itbhu.ac.in>, Bhilai IIT- Director <director@iitbhlai.ac.in>, Bhubneshwar IIT- Director <director@iitbbs.ac.in>, Bombay IIT-Director <director@iitb.ac.in>, Delhi IIT-Director <director@admin.iitd.ac.in>, Dharwad IIT-Director <director@iitdh.ac.in>, Gandhinagar IIT-Director <director@iitgn.ac.in>, Goa IIT-Director <director@iitgoa.ac.in>, Guwahati IIT-Director <director@iitg.ernet.in>, Hyderabad IIT-Director <director@iith.ac.in>, ISM Dhanbad IIT-Director <director@iitism.ac.in>, Indore IIT-Director <director@iiti.ac.in>, Jammu IIT-Director <director@iitjammu.ac.in>, Jodhpur IIT-Director <director@iitj.ac.in>, Kanpur IIT-Director <director@iitk.ac.in>, Kharagpur IIT-Director <director@iitkgp.ernet.in>, Madras IIT-Director <director@iitm.ac.in>, Mandi IIT-Director <director@iitmandi.ac.in>, Palakkad IIT-Director <director_iitpkd@iitpkd.ac.in>, Patna IIT-Director <director@iitp.ac.in>, Roorkee IIT-Director <director@iitr.ernet.in>, Ropar IIT-Director <director@iitrpr.ac.in>, Tirupati IIT-Director <director@iittp.ac.in>

Cc: "BHU (Varanasi) IIT-Registrar" <registrar@itbhu.ac.in>, Bhilai IIT- Director <director@iitbhlai.ac.in>, Bhubaneswar IIT-Registrar <registrar@iitbbs.ac.in>, Bombay IIT-Registrar <registrar@iitb.ac.in>, Delhi IIT-Registrar <registrar@admin.iitd.ac.in>, Dharwad IIT-Registrar <director@iitdh.ac.in>, Gandhinagar IIT-Registrar <registrar@iitgn.ac.in>, Goa IIT-Registrar <registrar@iitgoa.ac.in>, Guwahati IIT-Registrar <registrar@iitg.ernet.in>, Hyderabad IIT-Registrar <registrar@iith.ac.in>, ISM Dhanbad Registrar <registrar@iitism.ac.in>, Indore IIT-Registrar <registrar@iiti.ac.in>, Jammu IIT - Registrar <registrar@iitjammu.ac.in>, Jodhpur-IIT-Registrar <registrar@iitj.ac.in>, Kanpur IIT-Registrar <registrar@iitk.ac.in>, Kharagpur IIT-Registrar <reg@hijli.iitkgp.ernet.in>, Madras IIT-Registrar <registrar@iitm.ac.in>, Mandi IIT-Registrar <registrar@iitmandi.ac.in>, Palakkad IIT-Registrar <registrar@iitpkd.ac.in>, Patna IIT-Registrar <registrar@iitp.ac.in>, Roorkee IIT-Registrar <registrar@iitr.ac.in>, Ropar IIT-Registrar <registrar@iitrpr.ac.in>, Tirupati IIT-Registrar <registrar@iittp.ac.in>, P J Soundararajan <pj.rajan@nic.in>, PRASHANT AGARWAL <prashant.ag@gov.in>, Arun Kumar Karn <akkarn.edu@nic.in>

Sir,

Please find attached a scanned copy of the OM No.13-3/2020-U1A dated 28.1.2020 seeking inputs for Lok Sabha Unstarred Question No.118 for answer on 3.2.2020 asked by Shri P.V. Midhun Reddy regarding Block Chain Technology. It is requested that the inputs may kindly be furnished by 10.00 AM tomorrow (29.1.2020) positively.

Regards,

L. Raghavendran
Section Officer (TS-1)
Room No.430-C, Shastri Bhawan,
New Delhi.
Tel. # 011 2338 8253



question notice.pdf
361K

F.No.13-3/2020-U1A
Government of India
Ministry of Human Resource Development
Department of Higher Education

Shastri Bhawan, New Delhi
Dated the 28th January, 2020

OFFICE MEMORANDUM

Subject: Lok Sabha Unstarred Question No. 118 for answer on 03.02.2020 asked by Shri P. V. Midhun Reddy regarding Block Chain Technology.

The undersigned is directed to refer to the above mentioned Lok Sabha unstarred question. The text of the question is as follows:

- (a) whether the Government has brought out any notification to use block chain technology to issue graduation certificates by universities;
- (b) if so, the details thereof;
- (c) whether the Government has made any pilot projects for institutes like IIT's etc.; and
- (d) if so, the status of the pilot project and the details thereof?

2. It is requested to provide part-wise inputs for preparing reply of the above mentioned question by 11:00 a.m. tomorrow (29.01.2020). A copy of the inputs may also be emailed at u1a.he.mhrd@gmail.com.

VSR 28/1/20
(Vidya Sagar Rai)
US(U1A)

To

1. US(IITs)
2. US(NITs)
3. US(IIITs)
4. US(IIMs)
5. US(CU-II)

Recd at 3:30 pm

SO (JS-I)

May please be circulated to all IITs with a request to furnish the Comments by 10.00 AM on 29.1.2020.

US(IITs)
Director all IITs

28.1.2020
28/1/20



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

Lok Sabha Unstarred Question No. 118 for answer on 03.02.2020 asked by Shri P. V. Midhun Reddy regarding Block Chain Technology.

Academics IITBHU Varanasi <academics@itbhu.ac.in>

Wed, Jan 29, 2020 at 12:15 PM

To: Iraghavendran.edu@nic.in

Cc: "Dean of Academic Affairs, IIT(BHU), Varanasi - 221005 INDIA" <doaa@iitbhu.ac.in>, "Registrar, IIT(BHU), Varanasi (U.P.) - 221005" <registrar@iitbhu.ac.in>, "Assistant Registrar, Academic, IIT (BHU), Varanasi" <assistantregistrar.academic@itbhu.ac.in>

Sir,

Enclosed please find the attached letter No. IIT(BHU)/ACD/2019-20/2519 dated January 29, 2020 on the subject cited above.

Thanks & Regards

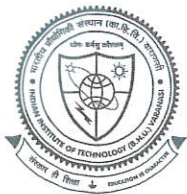
Office of Academic Affairs

Indian Institute of Technology (Banaras Hindu University)

Varanasi - 221 005, Uttar Pradesh, India | Phone : +91 7081144222

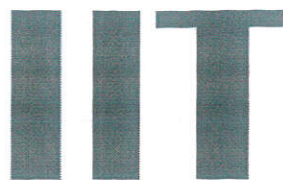
[Quoted text hidden]

**2519.pdf**
320K



भारतीय
प्रौद्योगिकी
संस्थान

काशी हिन्दू विश्वविद्यालय



INDIAN
INSTITUTE OF
TECHNOLOGY

BANARAS HINDU UNIVERSITY

☎ : 91-542-2367042;

FAX : 91-542-2368428;

e-mail : academics@iitbhu.ac.in

IIT(BHU)/ACD/2019-20/2519

January 29, 2020

URGENT

**Shri L. Raghavendran
Section Officer (TS-1)
Department of Higher Education
Ministry of Human Resource Development
Room No. 430-C, Shastri Bhawan
New Delhi**

**Subject: Lok Sabha Unstarred Question No. 118 for answer on 03.02.2020 asked
by Shri P.V. Midhun Reddy regarding Block Chain Technology.**

Dear Sir,

This has reference to the e-mail dated 28.01.2020 on the subject cited above. In this context I am directed to furnish the following information as per OM No. 13-3/2020-U1A dated 28.01.2020:

Q.(a) whether the Government has brought out any notification to use block chain technology to issue graduation certificates by universities;

Ans: No, Block Chain Technology programme is not running in IIT(BHU).

Q.(b) if so, the details thereof;

Ans: N.A.

Q.(c) whether the Government has made any pilot projects for institutes like IIT's etc.;
and

Ans: No. Pilot Project is not running in the Institute.

Q.(d) if so, the status of the pilot project and the details thereof?

Ans: N.A.

Yours faithfully,

Assistant Registrar (Academic Affairs)

Copy to:

1. The Dean (Academic Affairs), IIT(BHU).
2. PA to the Registrar, IIT(BHU).

Assistant Registrar (Academic Affairs)



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

Fwd: Lok Sabha Starred Question No.105 for reply on 10.2.2020 - Dropouts in Higher Education

PRASHANT AGARWAL <prashant.ag@gov.in>

Wed, Feb 5, 2020 at 9:40 AM

To: ashok@iitbhlai.ac.in, deanadmn@iitpkd.ac.in, registrar@admin.iitd.ac.in, registrar@hijli.iitkgp.ernet.in, registrar@iitb.ac.in, registrar@iitbbs.ac.in, registrar@iitbhu.ac.in, registrar@iitg.ernet.in, registrar@iitgn.ac.in, registrar@iitgoa.ac.in, registrar@iith.ac.in, registrar@iiti.ac.in, registrar@iitj.ac.in, registrar@iitjammu.ac.in, registrar@iitk.ac.in, registrar@iitm.ac.in, registrar@iitmandi.ac.in, registrar@iitp.ac.in, registrar@iitr.ac.in, registrar@iitrpr.ac.in, rg@ismdhanbad.ac.in, tsniit@iittp.ac.in

Cc: P J Soundararajan <pj.rajan@nic.in>, "L RAGHAVENDRAN, Section Officer (TS-1) Dept. of Education" <lraghavendran.edu@nic.in>, Arun Kumar Karn <akkarn.edu@nic.in>

Dear Sir,
this is **starred question**. Please send inputs by **12 Noon today**.
regards
Prashant

From: "L RAGHAVENDRAN, Section Officer (TS-1) Dept. of Education" <lraghavendran.edu@nic.in>
To: "BHU (Varanasi) IIT- Director" <director@itbhu.ac.in>, "Bhilai IIT- Director" <director@iitbhlai.ac.in>, "Bhubneshwar IIT-Director" <director@iitbbs.ac.in>, "Bombay IIT-Director" <director@iitb.ac.in>, "Delhi IIT-Director" <director@admin.iitd.ac.in>, "Dharwad IIT-Director" <director@iitdh.ac.in>, "Gandhinagar IIT-Director" <director@iitgn.ac.in>, "Goa IIT-Director" <director@iitgoa.ac.in>, "Guwahati IIT-Director" <director@iitg.ernet.in>, "Hyderabad IIT-Director" <director@iith.ac.in>, "ISM Dhanbad IIT-Director" <director@iitism.ac.in>, "Indore IIT-Director" <director@iiti.ac.in>, "Jammu IIT-Director" <director@iitjammu.ac.in>, "Jodhpur IIT-Director" <director@iitj.ac.in>, "Kanpur IIT-Director" <director@iitk.ac.in>, "Kharagpur IIT-Director" <director@iitkgp.ernet.in>, "Madras IIT-Director" <director@iitm.ac.in>, "Mandi IIT-Director" <director@iitmandi.ac.in>, "Palakkad IIT-Director" <director_iitpkd@iitpkd.ac.in>, "Patna IIT-Director" <director@iitp.ac.in>, "Roorkee IIT-Director" <director@iitr.ernet.in>, "Ropar IIT-Director" <director@iitrpr.ac.in>, "Tirupati IIT-Director" <director@iittp.ac.in>
Cc: "PRASHANT AGARWAL" <prashant.ag@gov.in>, "P J Soundararajan" <pj.rajan@nic.in>, "Arun Kumar Karn" <akkarn.edu@nic.in>

Sent: Wednesday, February 5, 2020 9:29:30 AM

Subject: Lok Sabha Starred Question No.105 for reply on 10.2.2020 - Dropouts in Higher Education

Sir,

I am directed to forward herewith the admitted version of the Lok Sabha starred question No.105 for reply on 10.2.2020. In puts in respect of IITs may kindly be furnished immediately, along with note for supplementary for framing a reply.

Regards,

L. Raghavendran
Section Officer (TS-1)
Room No.430-C, Shastri Bhawan,
New Delhi.
Tel. # 011 2338 8253



2/5/2020

Indian Institute of Technology (BHU) Varanasi, India Mail - Fwd: Lok Sabha Starred Question No.105 for reply on 10.2.2020 - Dropout...



Starred Question No.105.docx

11K

For reply on February 10, 2020

Dropouts in Higher Education

*105. SHRIMATI VANGA GEETHA VISWANATH: Will the Minister of HUMAN RESOURCE DEVELOPMENT

be pleased to state:

- (a) whether a high dropout rate is being reported in Indian Institute of Technology (IIT), Indian Institute of Management (IIM) and other higher education level courses;
- (b) if so, the details thereof during the last five years and the current year; and
- (c) the corrective steps being taken by the Government in this regard?



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

Fwd: Lok Sabha Starred Question No.105 for reply on 10.2.2020 - Dropouts in Higher Education

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

Wed, Feb 5, 2020 at 11:29 AM

To: PRASHANT AGARWAL <prashant.ag@gov.in>

Cc: P J Soundararajan <pj.rajan@nic.in>, "L RAGHAVENDRAN, Section Officer (TS-1) Dept. of Education" <lraghavendran.edu@nic.in>, Arun Kumar Karn HRD Informatics Division <akkarn.edu@nic.in>, "PS to Director, IIT (BHU), Varanasi, INDIA" <ps.director@itbhu.ac.in>

Dear Sir,

This has reference to the e-mail dated February 05, 2020, on the subject cited above. In this connection, the desired information are as under:

a) whether a high dropout rate is being reported in Indian Institute of Technology (IIT), Indian Institute of Management (IIM) and other higher education level courses;

Ans.: in IIT(BHU) the dropout rate has been decreased during the last five years.

b) if so, the details thereof during the last five years and the current year; and

Ans.: year-wise IIT(BHU) dropout students during the last five years are as under:

Year	Total Admitted students				No. of Dropout students				%age of dropouts
	UG/IDD	PG	Ph.D.	Total	UG/IDD	PG	Ph.D.	Total	
2019-20	1300	496	234	2030	02	09	01	12	0.59
2018-19	1056	364	284	1704	Nil	05	Nil	05	0.29
2017-18	1054	359	292	1705	Nil	20	06	26	1.52
2016-17	1037	352	202	1591	Nil	39	12	51	3.21
2015-16	996	333	204	1533	Nil	40	11	51	3.33

c) the corrective steps being taken by the Government in this regard?

Ans.: As per directions of the Government, the counseling procedure has been increased more than 5 rounds for the several national level examinations and the admission procedure has been also followed on a single-window system.

Yours faithfully,

Dr. S.P. Mathur

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

Tel : 0542 2367780

Fax : 0542 2368428

On Wed, Feb 5, 2020 at 9:41 AM PRASHANT AGARWAL <prashant.ag@gov.in> wrote:

Dear Sir,
this is **starred question**. Please send inputs by **12 Noon today**.
regards
Prashant

From: "L RAGHAVENDRAN, Section Officer (TS-1) Dept. of Education" <lraghavendran.edu@nic.in>
To: "BHU (Varanasi) IIT- Director" <director@itbhu.ac.in>, "Bhilai IIT- Director" <director@iitbhillai.ac.in>, "Bhubneshwar IIT-Director" <director@iitbbs.ac.in>, "Bombay IIT-Director" <director@iitb.ac.in>, "Delhi IIT-Director"



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

Lok Sabha Starred Question No.105 for reply on 10.2.2020 by SHRIMATI VANGA GEETHA VISWANATH regarding Dropouts in Higher Education

4 messages

P J Soundararajan <pj.rajana@nic.in>

Thu, Feb 6, 2020 at 2:15 PM

To: "BHU (Varanasi) IIT-Registrar" <registrar@iitbhu.ac.in>, Bhubaneswar IIT-Registrar <registrar@iitbbs.ac.in>, Bombay IIT-Registrar <registrar@iitb.ac.in>, Delhi IIT-Registrar <registrar@admin.iitd.ac.in>, Gandhinagar IIT-Registrar <registrar@iitgn.ac.in>, Goa IIT-Registrar <registrar@iitgoa.ac.in>, Guwahati IIT-Registrar <registrar@iitg.ernet.in>, Hyderabad IIT-Registrar <registrar@iith.ac.in>, Indore IIT-Registrar <registrar@iiti.ac.in>, ISM Dhanbad Registrar <registrar@iitism.ac.in>, Jammu IIT - Registrar <registrar@iitjammu.ac.in>, Jodhpur-IIT-Registrar <registrar@iitj.ac.in>, Kanpur IIT-Registrar <registrar@iitk.ac.in>, Kharagpur IIT-Registrar <reg@hijli.iitkgp.ernet.in>, Madras IIT-Registrar <registrar@iitm.ac.in>, Mandi IIT-Registrar <registrar@iitmandi.ac.in>, Palakkad IIT-Registrar <registrar@iitpkd.ac.in>, Patna IIT-Registrar <registrar@iitp.ac.in>, registrar <registrar@iitg.ac.in>, "Registrar, Kharagpur" <registrar@hijli.iitkgp.ernet.in>, Roorkee IIT-Registrar <registrar@iitr.ac.in>, Ropar IIT-Registrar <registrar@iitrpr.ac.in>, Tirupati IIT-Registrar <registrar@iittp.ac.in>, Bhilai IIT- Director <director@iitbhillai.ac.in>, Dharwad IIT-Director <director@iitdh.ac.in>

Cc: "BHU (Varanasi) IIT- Director" <director@iitbhu.ac.in>, Bhilai IIT- Director <director@iitbhillai.ac.in>, Bhubneshwar IIT-Director <director@iitbbs.ac.in>, Bombay IIT-Director <director@iitb.ac.in>, Delhi IIT-Director <director@admin.iitd.ac.in>, Dharwad IIT-Director <director@iitdh.ac.in>, Gandhinagar IIT-Director <director@iitgn.ac.in>, Goa IIT-Director <bk@iitgoa.ac.in>, Guwahati IIT-Director <director@iitg.ernet.in>, Hyderabad IIT-Director <director@iith.ac.in>, ISM Dhanbad IIT-Director <director@iitism.ac.in>, Indore IIT-Director <director@iiti.ac.in>, Jammu IIT-Director <director@iitjammu.ac.in>, Jodhpur IIT-Director <director@iitj.ac.in>, Kanpur IIT-Director <director@iitk.ac.in>, Kharagpur IIT-Director <director@iitkgp.ernet.in>, Madras IIT-Director <director@iitm.ac.in>, Mandi IIT-Director <director@iitmandi.ac.in>, Palakkad IIT-Director <director_iitpkd@iitpkd.ac.in>, Patna IIT-Director <director@iitp.ac.in>, Roorkee IIT-Director <director@iitr.ernet.in>, Ropar IIT-Director <director@iitrpr.ac.in>, Tirupati IIT-Director <director@iittp.ac.in>, PRASHANT AGARWAL <prashant.ag@gov.in>

Sir,

Thank you for the inputs for replying the above question regarding drop outs. Some of the Institutes have indicated the break up and reasons for the drop-out of students from the Institute.

It is mentioned that the question has been admitted for oral answer (as Starred Question). As such, supplementary questions may be put up by Hon'ble MPs during the oral reply by Hon'ble Minister. It is, therefore, requested that the break-up of UG/PG/PhD drop outs (year-wise) during the last five years(since AY 2014-15) as well as for the current academic year 2019-20 may be furnished, urgently. Also, if there is any specific reasons regarding drop out may be sent for adding in the supplementary note being prepared for the Hon'ble Minister.

Regards / सादर,

P.J. Soundararajan / पा. जा. सौंदरराजन

Under Secretary (IITs) / अवर सचिव

Department of Higher Education / उच्चतर शिक्षा विभाग

Ministry of Human Resource Development / मानव संसाधन विकास मंत्रालय

Tele/दूर भाष : 011- 2338 1698



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

Thu, Feb 6, 2020 at 2:21 PM

To: "Assistant Registrar, Academic, IIT (BHU), Varanasi" <assistantregistrar.academic@iitbhu.ac.in>, Academics IT-BHU <academics@iitbhu.ac.in>

MOST URGENT

Dr. S.P. Mathur

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

Tel : 0542 2367780

Fax : 0542 2368428

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

From: **P J Soundararajan** <pj.rajana@nic.in>

Date: Thu, Feb 6, 2020 at 2:16 PM

Subject: Lok Sabha Starred Question No.105 for reply on 10.2.2020 by SHRIMATI VANGA GEETHA VISWANATH regarding Dropouts in Higher Education

To: BHU (Varanasi) IIT-Registrar <registrar@iitbhu.ac.in>, Bhubaneswar IIT-Registrar <registrar@iitbbs.ac.in>, Bombay IIT-Registrar <registrar@iitb.ac.in>, Delhi IIT-Registrar <registrar@admin.iitd.ac.in>, Gandhinagar IIT-Registrar <registrar@iitgn.ac.in>, Goa IIT-Registrar <registrar@iitgoa.ac.in>, Guwahati IIT-Registrar <registrar@iitg.ernet.in>, Hyderabad IIT-Registrar <registrar@iith.ac.in>, Indore IIT-Registrar <registrar@iiti.ac.in>, ISM Dhanbad Registrar <registrar@iitism.ac.in>, Jammu IIT - Registrar <registrar@iitjammu.ac.in>, Jodhpur-IIT-Registrar <registrar@iitj.ac.in>, Kanpur IIT-Registrar <registrar@iitk.ac.in>, Kharagpur IIT-Registrar <reg@hijli.iitkgp.ernet.in>, Madras IIT-Registrar <registrar@iitm.ac.in>, Mandi IIT-Registrar <registrar@iitmandi.ac.in>, Palakkad IIT-Registrar <registrar@iitpkd.ac.in>, Patna IIT-Registrar <registrar@iitp.ac.in>, registrar <registrar@iitg.ac.in>, Registrar, Kharagpur <registrar@hijli.iitkgp.ernet.in>, Roorkee IIT-Registrar <registrar@iitr.ac.in>, Ropar IIT-Registrar <registrar@iitrpr.ac.in>, Tirupati IIT-Registrar <registrar@iittp.ac.in>, Bhilai IIT- Director <director@iitbhlai.ac.in>, Dharwad IIT-Director <director@iitdh.ac.in>

Cc: BHU (Varanasi) IIT- Director <director@iitbhu.ac.in>, Bhilai IIT- Director <director@iitbhlai.ac.in>, Bhubneshwar IIT-Director <director@iitbbs.ac.in>, Bombay IIT-Director <director@iitb.ac.in>, Delhi IIT-Director <director@admin.iitd.ac.in>, Dharwad IIT-Director <director@iitdh.ac.in>, Gandhinagar IIT-Director <director@iitgn.ac.in>, Goa IIT-Director <bk@iitgoa.ac.in>, Guwahati IIT-Director <director@iitg.ernet.in>, Hyderabad IIT-Director <director@iith.ac.in>, ISM Dhanbad IIT-Director <director@iitism.ac.in>, Indore IIT-Director <director@iiti.ac.in>, Jammu IIT-Director <director@iitjammu.ac.in>, Jodhpur IIT-Director <director@iitj.ac.in>, Kanpur IIT-Director <director@iitk.ac.in>, Kharagpur IIT-Director <director@iitkgp.ernet.in>, Madras IIT-Director <director@iitm.ac.in>, Mandi IIT-Director <director@iitmandi.ac.in>, Palakkad IIT-Director <director_iitpkd@iitpkd.ac.in>, Patna IIT-Director <director@iitp.ac.in>, Roorkee IIT-Director <director@iitr.ernet.in>, Ropar IIT-Director <director@iitrpr.ac.in>, Tirupati IIT-Director <director@iittp.ac.in>, PRASHANT AGARWAL <prashant.ag@gov.in>

Sir,

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Regards / सादर,

P.J. Soundararajan / पा. जा. सौंदरराजन

Under Secretary (IITs) / अवर सचिव

Department of Higher Education / उच्चतर शिक्षा विभाग

Ministry of Human Resource Development / मानव संसाधन विकास मंत्रालय

Tele/दूर भाष : 011- 2338 1698



Academics IITBHU Varanasi <academics@iitbhu.ac.in>

Thu, Feb 6, 2020 at 2:57 PM

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

Sir,

Dropout of the students last five years including 2019-20 is appended below:

Year	Total Admitted students				No. of Dropout students				%age of dropouts
	UG/IDD	PG	Ph.D.	Total	UG/IDD	PG	Ph.D.	Total	
2019-20	1300	496	234	2030	2	9	1	12	0.59
2018-19	1056	364	284	1704	Nil	5	Nil	5	0.29
2017-18	1054	359	292	1705	Nil	20	6	26	1.52
2016-17	1037	352	202	1591	Nil	39	12	51	3.21
2015-16	996	333	204	1533	Nil	40	11	51	3.33
2014-15	903	315	74	1292	5	67	5	47	3.64

Personal reasons were submitted by most of the students.

Thanks & Regards

Office of Academic Affairs

Indian Institute of Technology (Banaras Hindu University)

Varanasi - 221 005, Uttar Pradesh, India | Phone : +91 7081144222

On Thu, 6 Feb 2020 at 14:22, Registrar, IIT(BHU), Varanasi (U.P.) - 221005 <registrar@iitbhu.ac.in> wrote:

MOST URGENT

Dr. S.P. Mathur

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

Tel : 0542 2367780

Fax : 0542 2368428

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

From: **P J Soundararajan** <pj.rajana@nic.in>

Date: Thu, Feb 6, 2020 at 2:16 PM

Subject: Lok Sabha Starred Question No.105 for reply on 10.2.2020 by SHRIMATI VANGA GEETHA VISWANATH regarding Dropouts in Higher Education

To: BHU (Varanasi) IIT-Registrar <registrar@iitbhu.ac.in>, Bhubaneswar IIT-Registrar <registrar@iitbbs.ac.in>, Bombay IIT-Registrar <registrar@iitb.ac.in>, Delhi IIT-Registrar <registrar@admin.iitd.ac.in>, Gandhinagar IIT-Registrar <registrar@iitgn.ac.in>, Goa IIT-Registrar <registrar@iitgoa.ac.in>, Guwahati IIT-Registrar <registrar@iitg.ernet.in>, Hyderabad IIT-Registrar <registrar@iith.ac.in>, Indore IIT-Registrar <registrar@iiti.ac.in>, ISM Dhanbad Registrar <registrar@iitism.ac.in>, Jammu IIT - Registrar <registrar@iitjammu.ac.in>, Jodhpur-IIT-Registrar <registrar@iitj.ac.in>, Kanpur IIT-Registrar <registrar@iitk.ac.in>, Kharagpur IIT-Registrar <reg@hijli.iitkgp.ernet.in>, Madras IIT-Registrar <registrar@iitm.ac.in>, Mandi IIT-Registrar <registrar@iitmandi.ac.in>, Palakkad IIT-Registrar <registrar@iitpkd.ac.in>, Patna IIT-Registrar <registrar@iitp.ac.in>, registrar <registrar@iitg.ac.in>, Registrar, Kharagpur <registrar@hijli.iitkgp.ernet.in>, Roorkee IIT-Registrar <registrar@iitr.ac.in>, Ropar IIT-Registrar <registrar@iitrpr.ac.in>, Tirupati IIT-Registrar <registrar@iittp.ac.in>, Bhilai IIT- Director <director@iitbhilai.ac.in>, Dharwad IIT-Director <director@iitdh.ac.in>
Cc: BHU (Varanasi) IIT- Director <director@iitbhu.ac.in>, Bhilai IIT- Director <director@iitbhilai.ac.in>, Bhubneshwar IIT-Director <director@iitbbs.ac.in>, Bombay IIT-Director <director@iitb.ac.in>, Delhi IIT-Director <director@admin.iitd.ac.in>, Dharwad IIT-Director <director@iitdh.ac.in>, Gandhinagar IIT-Director <director@iitgn.ac.in>, Goa IIT-Director <bk@iitgoa.ac.in>, Guwahati IIT-Director <director@iitg.ernet.in>, Hyderabad IIT-Director <director@iith.ac.in>, ISM Dhanbad IIT-Director <director@iitism.ac.in>, Indore IIT-Director <director@iiti.ac.in>, Jammu IIT-Director <director@iitjammu.ac.in>, Jodhpur IIT-Director <director@iitj.ac.in>, Kanpur IIT-Director <director@iitk.ac.in>, Kharagpur IIT-Director <director@iitkgp.ernet.in>, Madras IIT-Director <director@iitm.ac.in>, Mandi IIT-Director <director@iitmandi.ac.in>, Palakkad IIT-Director <director_iitpkd@iitpkd.ac.in>, Patna IIT-Director <director@iitp.ac.in>, Roorkee IIT-Director <director@iitr.ernet.in>, Ropar IIT-Director <director@iitrpr.ac.in>, Tirupati IIT-Director <director@iittp.ac.in>, PRASHANT AGARWAL <prashant.ag@gov.in>

Sir,

Thank you for the inputs for replying the above question regarding drop outs. Some of the Institutes have indicated the break up and reasons for the drop-out of students from the Institute.

It is mentioned that the question has been admitted for oral answer (as Starred Question). As such, supplementary questions may be put up by Hon'ble MPs during the oral reply by Hon'ble Minister. It is, therefore, requested that the break-up of UG/PG/PhD drop outs (year-wise) during the last five years(since AY 2014-15) as well as for the current academic year 2019-20 may be furnished, urgently. Also, if there is any specific reasons regarding drop out may be sent for adding in the supplementary note being prepared for the Hon'ble Minister.

Regards / सादर,

P.J. Soundararajan / पा. जा. सौंदरराजन

Under Secretary (IITs) / अवर सचिव

Department of Higher Education / उच्चतर शिक्षा विभाग

Ministry of Human Resource Development / मानव संसाधन विकास मंत्रालय

Tele/दूर भाष : 011- 2338 1698



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

Thu, Feb 6, 2020 at 3:20 PM

To: P J Soundararajan <pj.rajana@nic.in>

Cc: "Director (IITs & IIITs) Prashant Agarwal" <prashant.ag@gov.in>

Dear Sir,

This is in reference to the trailing mail. In this connection, Information regarding Dropout of the students in the last five years and the current academic year 2019-20 are appended below:

Year	Total Admitted students				No. of Dropout students				%age of dropouts
	UG/IDD	PG	Ph.D.	Total	UG/IDD	PG	Ph.D.	Total	
2019-20	1300	496	234	2030	2	9	1	12	0.59
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2015-16	996	333	204	1533	Nil	40	11	51	3.33
2014-15	903	315	74	1292	5	67	5	47	3.64

Personal reasons were submitted by most of the students.

Yours faithfully,

Dr. S.P. Mathur

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

Tel : 0542 2367780

Fax : 0542 2368428

On Thu, Feb 6, 2020 at 2:16 PM P J Soundararajan <pj.rajana@nic.in> wrote:

Sir,

Thank you for the inputs for replying the above question regarding drop outs. Some of the Institutes have indicated the break up and reasons for the drop-out of students from the Institute.

It is mentioned that the question has been admitted for oral answer (as Starred Question). As such, supplementary questions may be put up by Hon'ble MPs during the oral reply by Hon'ble Minister. It is, therefore, requested that the break-up of UG/PG/PhD drop outs (year-wise) during the last five years(since AY 2014-15) as well as for the current academic year 2019-20 may be furnished, urgently. Also, if there is any specific reasons regarding drop out may be sent for adding in the supplementary note being prepared for the Hon'ble Minister.

Regards / सादर,

P.J. Soundararajan / पा. जा. सौंदरराजन

Under Secretary (IITs) / अवर सचिव

Department of Higher Education / उच्चतर शिक्षा विभाग

Ministry of Human Resource Development / मानव संसाधन विकास मंत्रालय

Tele/दूर भाष : 011- 2338 1698



MOST URGENT -Lok Sabha Unstarred Question No. 4716 to be replied on 23.03.2020 regarding "Dual Degree"

P J Soundararajan <pj.rajana@nic.in>

17 March 2020 at 10:46

To: "BHU (Varanasi) IIT-Registrar" <registrar@itbhu.ac.in>, Bhilai IIT- Director <director@iitbhuilai.ac.in>, Bhubaneswar IIT-Registrar <registrar@iitbbs.ac.in>, Bombay IIT-Registrar <registrar@iitb.ac.in>, Delhi IIT-Registrar <registrar@admin.iitd.ac.in>, Dharwad IIT-Director <director@iitdh.ac.in>, Gandhinagar IIT-Registrar <registrar@iitgn.ac.in>, Goa IIT-Registrar <registrar@iitgoa.ac.in>, Guwahati IIT-Registrar <registrar@iitg.ernet.in>, Hyderabad IIT-Registrar <registrar@iith.ac.in>, ISM Dhanbad Registrar <registrar@iitism.ac.in>, Indore IIT-Registrar <registrar@iiti.ac.in>, Jammu IIT - Registrar <registrar@iitjammu.ac.in>, Jodhpur-IIT-Registrar <registrar@iitj.ac.in>, Kanpur IIT-Registrar <registrar@iitk.ac.in>, Kharagpur IIT-Registrar <reg@hijli.iitkgp.ernet.in>, Madras IIT-Registrar <registrar@iitm.ac.in>, Mandi IIT-Registrar <registrar@iitmandi.ac.in>, Palakkad IIT-Registrar <registrar@iitpkd.ac.in>, Patna IIT-Registrar <registrar@iitp.ac.in>, Roorkee IIT-Registrar <registrar@iitr.ac.in>, Ropar IIT-Registrar <registrar@iitrpr.ac.in>, Tirupati IIT-Registrar <registrar@iittp.ac.in>
Cc: "BHU (Varanasi) IIT- Director" <director@itbhu.ac.in>, Bhilai IIT- Director <director@iitbhuilai.ac.in>, Bhubaneswar IIT- Director <director@iitbbs.ac.in>, Bombay IIT-Director <director@iitb.ac.in>, Delhi IIT-Director <director@admin.iitd.ac.in>, Dharwad IIT-Director <director@iitdh.ac.in>, Gandhinagar IIT-Director <director@iitgn.ac.in>, Goa IIT-Director <bk@iitgoa.ac.in>, Guwahati IIT-Director <director@iitg.ernet.in>, Hyderabad IIT-Director <director@iith.ac.in>, ISM Dhanbad IIT-Director <director@iitism.ac.in>, Indore IIT-Director <director@iiti.ac.in>, Jammu IIT-Director <director@iitjammu.ac.in>, Jodhpur IIT-Director <director@iitj.ac.in>, Kanpur IIT-Director <director@iitk.ac.in>, Kharagpur IIT-Director <director@iitkgp.ernet.in>, Madras IIT-Director <director@iitm.ac.in>, Mandi IIT-Director <director@iitmandi.ac.in>, Palakkad IIT-Director <director_iitpkd@iitpkd.ac.in>, Patna IIT-Director <director@iitp.ac.in>, Roorkee IIT-Director <director@iitr.ernet.in>, Ropar IIT-Director <director@iitrpr.ac.in>, Tirupati IIT-Director <director@iittp.ac.in>, PRASHANT AGARWAL <prashant.ag@gov.in>, "L RAGHAVENDRAN, Section Officer (TS-1) Dept. of Education" <lraghavendran.edu@nic.in>, Arun Kumar Karn <akkarn.edu@nic.in>, iitstechnicalsection1 <iitstechnicalsection1@gmail.com>

Sir,

I am directed to state that the **Lok Sabha Unstarred Question No. 4716** to be replied on **23.03.2020** regarding **"Dual Degree"** has been admitted in the Lok Sabha as Unstarred Question. The text of the Question reads as under :

- (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 6 years as in the past;
- (b) If so, the details thereof;
- (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
- (d) If so, the details thereof?

It is requested that the requisite information with regard to the above Question may kindly be sent to this Ministry by today 1:00 p.m. positively on the email IDs pj.rajana@gov.in , lraghavendran.edu@nic.in and akkarn.edu@nic.in

Regards / सादर,

P.J. Soundararajan / पा. जा. सौंदरराजन

Under Secretary (IITs) / अवर सचिव

Department of Higher Education / उच्चतर शिक्षा विभाग

Ministry of Human Resource Development / मानव संसाधन विकास मंत्रालय

Tele/दूर भाष : 011- 2338 1698

Dual Degree

†4716. SHRI AJAY KUMAR MISRA TENI:

Will the Minister of HUMAN RESOURCE DEVELOPMENT

मानव संसाधन विकास मंत्री

be pleased to state:

(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 6 years as in the past;

(b) if so, the details thereof;

(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

(d) if so, the details thereof?



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

MOST URGENT -Lok Sabha Unstarred Question No. 4716 to be replied on 23.03.2020 regarding "Dual Degree"

Academics IITBHU Varanasi <academics@itbhu.ac.in>

17 March 2020 at 14:57

To: P J Soundararajan <pj.rajana@nic.in>, Iraghavendran.edu@nic.in, Arun Kumar Karn <akkarn.edu@nic.in>

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

Dear Sir,

This has reference to the e-mail dated March 17, 2020, on the subject cited above. In this context I am directed to furnish the following:

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 6 years as in the past;

Ans.: Yes, IIT(BHU), Varanasi offers 5-year Integrated Dual Degree programmes.

b) If so, the details thereof;

Ans.: JEE(Advanced) qualified candidates admitted in the Dual Degree programmes on 10+2 basis as decided by the IIT Council. Course structures are designed for completing the B.Tech. as well as M.Tech. during 5 years. First, three years of students are studying B.Tech. level courses and fourth year onwards are studying M.Tech. level courses. The student will be awarded both degrees after successful completion of 5 years courses.

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

Ans.: IIT(BHU) conducted 5-year dual degree programmes.

d) If so, the details thereof?

Ans.: IIT(BHU) started 5-year dual degree programmes since 2015 in different disciplines.

Yours faithfully,

Assistant Registrar (Academic Affairs)

Office of Academic Affairs

Indian Institute of Technology (Banaras Hindu University)

Varanasi - 221 005, Uttar Pradesh, India | Phone : +91 7081144222

[Quoted text hidden]

Inputs for Parliament Question Dy.No.1152 for reply in Lok Sabha on 19.9.2020 - reg "Students suicides during lockdown"

L RAGHAVENDRAN, Section Officer (TS-1) Dept. of Education <lraghavendran.edu@nic.in> 12 September 2020 at 18:59
To: "BHU (Varanasi) IIT- Director" <director@itbhu.ac.in>, Bhilai IIT- Director <director@iitbhillai.ac.in>, Bhubneshwar IIT-Director <director@iitbbs.ac.in>, Bombay IIT-Director <director@iitb.ac.in>, Delhi IIT-Director <director@admin.iitd.ac.in>, Dharwad IIT-Director <director@iitdh.ac.in>, Gandhinagar IIT-Director <director@iitgn.ac.in>, Goa IIT-Director <director@iitgoa.ac.in>, Guwahati IIT-Director <director@iitg.ernet.in>, Hyderabad IIT-Director <director@iith.ac.in>, ISM Dhanbad IIT-Director <director@iitism.ac.in>, Indore IIT-Director <director@iiti.ac.in>, Jammu IIT-Director <director@iitjammu.ac.in>, Jodhpur IIT-Director <director@iitj.ac.in>, Kanpur IIT-Director <director@iitk.ac.in>, Kharagpur IIT-Director <director@iitkgp.ernet.in>, Madras IIT-Director <director@iitm.ac.in>, Mandi IIT-Director <director@iitmandi.ac.in>, Palakkad IIT-Director <director_iitpkd@iitpkd.ac.in>, Patna IIT-Director <director@iitp.ac.in>, Roorkee IIT-Director <director@iitr.ernet.in>, Ropar IIT-Director <director@iitrpr.ac.in>, Tirupati IIT-Director <director@iittp.ac.in>, NTA Binod Sahu <binod.nta18@gmail.com>, Mr Vineet Joshi <vineet.joshi@nic.in>
Cc: "BHU (Varanasi) IIT-Registrar" <registrar@itbhu.ac.in>, Bhilai IIT- Director <director@iitbhillai.ac.in>, Bhubaneswar IIT-Registrar <registrar@iitbbs.ac.in>, Bombay IIT-Registrar <registrar@iitb.ac.in>, Delhi IIT-Registrar <registrar@admin.iitd.ac.in>, Dharwad IIT-Director <director@iitdh.ac.in>, Gandhinagar IIT-Registrar <registrar@iitgn.ac.in>, Goa IIT-Registrar <registrar@iitgoa.ac.in>, Guwahati IIT-Registrar <registrar@iitg.ernet.in>, Hyderabad IIT-Registrar <registrar@iith.ac.in>, ISM Dhanbad Registrar <registrar@iitism.ac.in>, Indore IIT-Registrar <registrar@iiti.ac.in>, Jammu IIT - Registrar <registrar@iitjammu.ac.in>, Jodhpur-IIT-Registrar <registrar@iitj.ac.in>, Kanpur IIT-Registrar <registrar@iitk.ac.in>, Kharagpur IIT-Registrar <reg@hijli.iitkgp.ernet.in>, Madras IIT-Registrar <registrar@iitm.ac.in>, Mandi IIT-Registrar <registrar@iitmandi.ac.in>, Palakkad IIT-Registrar <registrar@iitpkd.ac.in>, Patna IIT-Registrar <registrar@iitp.ac.in>, Roorkee IIT-Registrar <registrar@iitr.ac.in>, Ropar IIT-Registrar <registrar@iitrpr.ac.in>, Tirupati IIT-Registrar <registrar@iittp.ac.in>, Arun Kumar Karn <akkarn.edu@nic.in>, Mohit Gupta <mohitgupta.edu@gov.in>, Henna Kumar <hennakumar.edu@gov.in>, Sahil Sardana <sahilsardana.edu@gov.in>, P J Soundararajan <pj.rajan@nic.in>

Sir,

I am directed to forward herewith notice of Parliament Question Dy.No.1152 for reply in Lok Sabha on 19.9.2020 regarding Students suicides during lockdown. It is requested that the point wise reply along with details may be furnished to TS-1 section by Monday 14th September, 2020.

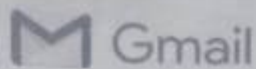
Regards
Raghavendran
S.O (TS-1)
M/o Education



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50K

9/10/2020

Gmail - Question : Unstarred: Diary No : 1152: Answer Date: 15/09/2020



ASB. 754 509 / 10

Parliament Unit <parliamentunithrd@gmail.com>

Question : Unstarred: Diary No : 1152: Answer Date: 15/09/2020

1 message

qbra <qbra-lss@sansad.nic.in>
To: parliamentunithrd@gmail.com

Thu, Sep 10, 2020 at 3:48 PM

LOK SABHA

D.No 1152

Ministry to which the day has been allotted : EDUCATION
Sitting on the : 19/09/2020

Students suicides during lockdown

Will the Minister of EDUCATION

- (a) whether the student suicides have increased during the lockdown, due to lack of access to digital means;
- (b) the number of student suicides in the SC, ST, OBC and EWS categories;
- (c) the number of suicides in the age of 18-30 years after the imposition of lockdown, and the reasons thereof; and
- (d) the number of suicides in the students who were to appear for the NEET and JEE exams?

AS (T/E)
1
12/9

Dir (ITs)

Inputs for Parliament Question Dy.No.1152 for reply in Lok Sabha on 19.9.2020 - reg "Students suicides during lockdown"

Academics IITBHU Varanasi <academics@itbhu.ac.in>

14 September 2020 at 12:23

To: lraghavendran.edu@nic.in

Cc: "Dean of Academic Affairs, IIT(BHU), Varanasi - 221005 INDIA" <doaa@iitbhu.ac.in>, "Registrar, IIT(BHU), Varanasi (U.P.) - 221005" <registrar@iitbhu.ac.in>, "ps.director" <ps.director@iitbhu.ac.in>

Shri L. RAGHAVENDRAN

Section Officer (TS-1) Dept. of Education

Ministry of Education

428-C, Shastri Bhawan

New Delhi-110011

E-mail ID: lraghavendran.edu@nic.in

Dear Sir,

I am directed to furnish the information pertains to the students on the subject cited above, for your kind information and necessary action:

(a) Whether the student suicides have increased during the lockdown, due to lack of access to digital means;

Ans.: No.

(b) The number of student suicides in the SC, ST, OBC and EWS categories;

Ans.: Nil.

(c) The number of suicides in the age of 18-30 years after the imposition of lockdown, and the reasons thereof; and

Ans.: Nil.

(d) The number of suicides in the students who were to appear for the NEET and JEE exams?

Ans.: Not applicable.

Yours faithfully,

Assistant Registrar (Academic Affairs)

Office of Academic Affairs

Indian Institute of Technology (Banaras Hindu University)

Varanasi - 221 005, Uttar Pradesh, India | Phone : +91 7081144222

On Sun, 13 Sep 2020 at 08:25, Dean of Academic Affairs, IIT(BHU), Varanasi - 221005 INDIA <doaa@iitbhu.ac.in> wrote:

PI reply urgently

[Quoted text hidden]

Lok Sabha Unstarred Question Dairy No.13025 for answer on 28.09.2020 regarding "Innovative Researches Conducted by IITs"

4 messages

P J Soundararajan <pj.rajan@nic.in>

22 September 2020 at 16:57

To: "BHU (Varanasi) IIT- Director" <director@itbhu.ac.in>, Bhilai IIT- Director <director@iitbhilai.ac.in>, Bhubneshwar IIT-Director <director@iitbbs.ac.in>, Bombay IIT-Director <director@iitb.ac.in>, Delhi IIT-Director <director@admin.iitd.ac.in>, Dharwad IIT-Director <director@iitdh.ac.in>, Gandhinagar IIT-Director <director@iitgn.ac.in>, Goa IIT-Director <bk@iitgoa.ac.in>, Guwahati IIT-Director <director@iitg.ernet.in>, Hyderabad IIT-Director <director@iith.ac.in>, ISM Dhanbad IIT-Director <director@iitism.ac.in>, Indore IIT-Director <director@iiti.ac.in>, Jammu IIT-Director <director@iitjammu.ac.in>, Jodhpur IIT-Director <director@iitj.ac.in>, Kanpur IIT-Director <director@iitk.ac.in>, Kharagpur IIT-Director <director@iitkgp.ernet.in>, Madras IIT-Director <director@iitm.ac.in>, Mandi IIT-Director <director@iitmandi.ac.in>, Palakkad IIT-Director <director_iitpkd@iitpkd.ac.in>, Patna IIT-Director <director@iitp.ac.in>, Roorkee IIT-Director <director@iitr.ernet.in>, Ropar IIT-Director <director@iitrpr.ac.in>, Tirupati IIT-Director <director@iittp.ac.in>
Cc: "BHU (Varanasi) IIT-Registrar" <registrar@itbhu.ac.in>, Bhilai IIT- Director <director@iitbhilai.ac.in>, Bhubaneswar IIT-Registrar <registrar@iitbbs.ac.in>, Bombay IIT-Registrar <registrar@iitb.ac.in>, Delhi IIT-Registrar <registrar@admin.iitd.ac.in>, Dharwad IIT-Director <director@iitdh.ac.in>, Gandhinagar IIT-Registrar <registrar@iitgn.ac.in>, Goa IIT-Registrar <registrar@iitgoa.ac.in>, Guwahati IIT-Registrar <registrar@iitg.ernet.in>, Hyderabad IIT-Registrar <registrar@iith.ac.in>, ISM Dhanbad Registrar <registrar@iitism.ac.in>, Indore IIT-Registrar <registrar@iiti.ac.in>, Jammu IIT - Registrar <registrar@iitjammu.ac.in>, Jodhpur-IIT-Registrar <registrar@iitj.ac.in>, Kanpur IIT-Registrar <registrar@iitk.ac.in>, Kharagpur IIT-Registrar <reg@hijli.iitkgp.ernet.in>, Madras IIT-Registrar <registrar@iitm.ac.in>, Mandi IIT-Registrar <registrar@iitmandi.ac.in>, Palakkad IIT-Registrar <registrar@iitpkd.ac.in>, Patna IIT-Registrar <registrar@iitp.ac.in>, Roorkee IIT-Registrar <registrar@iitr.ac.in>, Ropar IIT-Registrar <registrar@iitrpr.ac.in>, Tirupati IIT-Registrar <registrar@iittp.ac.in>, PRASHANT AGARWAL <prashant.ag@gov.in>, "L RAGHAVENDRAN, Section Officer (TS-1) Dept. of Education" <lraghavendran.edu@nic.in>, Arun Kumar Karn <akkarn.edu@nic.in>, iitstechnicalsection1 <iitstechnicalsection1@gmail.com>

Sir,

I am directed to attach herewith the Lok Sabha Unstarred Question Dairy No.13025 for answer on 28.09.2020 regarding "Innovative Researches Conducted by IITs" . The text of the Question reads as under :

- (a) the details of innovative researches conducted by IIT's of the country during the last three years;
- (b) whether the research findings are generally used for the upliftment of the common man and especially in the agriculture field;
- (c) if so, the details thereof;
- (d) whether any research conducted for preservation of the virginity of soil and to hike the level of ground water; and
- (e) if so, the details thereof?

It is requested that the inputs for replying the above question may kindly be sent to this Ministry by 23.09.2020 positively on the email IDs pj.rajan@gov.in and lraghavendran.edu@nic.in . Reply to Part (a) to (e) may please be sent in the **EXCEL Format** attached.

Regards / सादर,

P.J. Soundararajan / पा. जा. सौंदरराजन

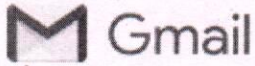
Under Secretary (IITs) / अवर सचिव

Department of Higher Education / उच्चतर शिक्षा विभाग

Ministry of Education / शिक्षा मंत्रालय

Government of India

Tele/दूर भाष : 011- 2338 1698



760593/20-84

ASCT)

Parliament Unit <parliamentunithrd@gmail.com>

Question : Unstarred: Diary No : 13025: Answer Date: 28/09/2020

1 message

qbra <qbra-lss@sansad.nic.in>
To: parliamentunithrd@gmail.com

Sun, Sep 20, 2020 at 3:07 PM

LOK SABHA

D.No 13025

Ministry to which the day has been allotted : EDUCATION
Sitting on the : 29/09/2020

Innovative Researches conducted by IITs

Will the Minister of EDUCATION

- (a) the details of Innovative Researches conducted by IIT"s of the country during the last three years;
- (b) whether the research findings are generally used for the upliftment of the common man and especially in the agriculture field;
- (c) if so, the details thereof;
- (d) whether any research conducted for preservation of the virginity of soil and to hike the level of ground water; and
- (e) if so, the details thereof?

USCT)

22/9/20

60/15/20

22/9/2020

Sh. A. K.

INDIAN INSTITUTES OF TECHNOLOGY (IITs)

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

S.No.	Name of the IITs	Part (a)	Part (b) & (c)	Part (d) & (e)
		Please give details for the last 3 years 2017, 2018, 2019 and also for 2020	If, yes give details	
1	IIT Bombay			
2	IIT Delhi			
3	IIT Guwahati			
4	IIT Kanpur			
5	IIT Kharagpur			
6	IIT Madras			
7	IIT Roorkee			
8	IIT BHU			
9	IIT Bhubaneswar			
10	IIT Gandhinagar			
11	IIT Hyderabad			
12	IIT Indore			
13	IIT Jodhpur			
14	IIT Mandi			
15	IIT Patna			
16	IIT Ropar			
17	IIT Tirupati			
18	IIT Palakkad			
19	IIT Jammu			
20	IIT Bhilai			
21	IIT Goa			
22	IIT Dharwad			
23	IIT(ISM) Dhanbad			

Lok Sabha Unstarred Question Dairy No.13025 for answer on 28.09.2020 regarding "Innovative Researches Conducted by IITs"

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

23 September 2020 at 16:03

To: P J Soundararajan <pj.rajan@nic.in>, "L RAGHAVENDRAN, Section Officer (TS-1) Dept. of Education"

<lraghavendran.edu@nic.in>

Cc: Arun Kumar Karn <akkarn.edu@nic.in>, iitstechnicalsection1 <iitstechnicalsection1@gmail.com>

Dear Sir,

In reference to your e-mail dated 22.09.2020, please find below the reply of Lock Sabha Unstarred Question Dairy No. 13025

(a) the details of innovative researches conduted by IIT's of the country during the last three years; - **List attached**

(b) whether the research findings are generally used for the upliftment of the common man and especially in the agriculture field; - **YES**

(c) if so, the details therof; - **List attached**

(d) whether any research conducted for preservation of the virginity of soil and to hike the level of ground water; and - **YES**

(e) if so, the details therof? - **List attached**

Yours faithfully,

Dr. S.P. Mathur

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

Tel : 0542 2367780

Fax : 0542 2368428

[Quoted text hidden]

3 attachments

 **List of innovative research conducted during the last three years.xlsx**
24K

 **Soil and Ground Water.xlsx**
11K

 **Research in Agricutlure field.xlsx**
12K

List of Innovative Research Conduct by IIT(BHU) in Year 2017, 2018, 2019 and 2020

2017-18				
Sl.No.		Name of PI	Funding Agency	
1	Development of Polymer and Quantum Dots Blended Tandem Solar Cells Using Low Cost Solution Processed Method	Prof. Satyabrata Jit	SERB	Electronics
2	Screening of novel antibiotics from the metagenome of Himalayan glacial soil	Dr. Ashish Kumar Singh	DRDO	Biochemical
3	Design & investigation of thermal conducting two dimensional heterostructures	Dr. Ashish Kumar Mishra	SERB	SMST
4	Propagation & Mitigation model of mixed road traffic noise for planning of mid- sized Indian Cities	Dr. Brind Kumar	MHRD IMPRINT	Civil
5	Identification of Gene Responsible for Degradation of Poly (Ethylene Terephthalate) in Ideonella sakaiensis	Dr. Ashish Kumar Singh	DBT	Biochemical
6	Neem seed based nanocapsules and nanomedicine for targeted drug delivery and cancer therapy	Dr. Pradip Paik	SERB	Biomedical
7	Functional-hollow-porous-bipolymer based Nanoformulations and Interventions for treatment of Cancer and prevention of Tuberculosis, concept of nanomedicine with multiple drugs for multiple diseases	Dr. Pradip Paik	DST	Biomedical
8	INSPIRE Faculty Award	Dr. Manash Chakraborty	DST	Civil
9	Design & Development of Combined Cooling and Power Generation system	Dr. S.K. Shukla	CST-UP	Mechanical
10	Ramanujan Fellow	Dr. Sanjay Singh	SERB	SMST
11	Flow and segregation of granular materials out of hoppers and two & three dimensional devices	Dr. Vishal Mishra	CST-UP	SBCE
12	Development of low cost sodium ion battery: Fabrication and application of NASICON based electrodes	Prof. Rajiv Prakash	DST	SMST
13	Understanding the mechanism of action through cell biology and upgradation of herbal drug in solution and biodegradable patch for the treatment of diabetic foot ulcer	Prof. Pralay Maiti	BIRAC	SMST
14	Elastocaloric effect measurement setup to study caloric effect in shape memory alloys	Dr. Sanjay Singh	UGC- DAE	SMST
15	Dissecting brain reward circuitry and CNS comorbidities in chronic neuropathic pain	Dr. Vinod Tiwari	SERB-ECRA	Pharmaceutics
16	Landslide stability analysis in subzero environment around Kinnaur district of Himachal Pradesh, India	Dr. A.K. Verma	DST	Mining
17	Nanoscale interfacial magnetic skyrmions and its applications in memory devices	Dr. Shrawan Kumar Mishra	DST	SMST
18	Development of rare earth free ceramic magnet with high energy and curie temperature for motor applications	Dr. Pradip Kr. Roy	SERB	Ceramic Engg.
19	Development of an energy –efficient wireless sensor networks for precision agriculture	Dr. H.P. Gupta	DST	Computer Science
20	Development and structural characterization of Bi ₂ -xMx ₃ -(y-3)/2 coating for protection against coolant & sensors	Dr. Joysurya Basu	UGC DAE-CSR	Metallurgical Engg.
21	Development of portable electrochemical sensor hydrogen peroxide	P.C.Pandey	BRNS Mumbai	chemistry
22	Investigation of Glass - Ceramic for Capacitive Energy Storage Applications	Prof. Prabhakar Singh	CSIR	Physics
23	Incorporating Intelligence in Email System	Dr. Ruchir Gupta	BRNS	Computer Science
24	Electronic Structure evolution across quantum critical point in Li(Ti _{1-x} V _x) ₂ O ₄ Li _{1-x} Zn _x)V ₂ O ₄	Dr. Swapnil Patil	SERB	Physics
25	Robust Adaptive Mesh Methods for Singularly Perturbed Problems in Ordinary and Partial Differential Equations	Dr. Sunil Kumar	SERB	Mathematical Science
26	Unnat Bharat Abhiyan	Dr. Ruchir Gupta	MHRD	Computer Engg.
2018-19				
1	Pharmacology of Natural drugs in obesity and eating disorders	Dr. Sairam Krishnamurthy	Natreon	Pharmaceutics
2	Development of anticorrosive paints	Prof. Pralay Maiti	Harind chemicals & Pharmaceuticals Pvt. Ltd	SMST
3	Study, Design and Implementation of Frequency Selective Metasurfaces for Microwave Applications	Dr. Somak Bhattacharyya	SERB-ECRA	Electronics
4	Radionuclide sensing platform based on functionalized polymer having nanochannels using accelerator	Prof. Pralay Maiti	BRNS - DAE	SMST
5	Mott transistors based Neuromorphic memory device	Dr. Shrawan Kumar Mishra	DST	SMST
6	Minimizing hysteresis in magnetic shape memory Heusler alloys for reversible magnetocaloric effect	Dr. Sanjay Singh	SERB	SMST
7	Investigation on dynamic response analysis of shallow foundation resting on pond ash deposits	Dr. Supriya Mohanty	SERB- ECRA	Civil
8	Phytochemical and pharmacological evaluations of bioactivity guided fractions of medicinal plants of Tripura	Dr. A.N. Sahu	DBT	Pharmaceutics
9	Development of an intelligent evaporative cooler for composite climate	Dr. Jahar Sarkar	DST	Mechanical
10	Targeted drug delivery of methotrexate/gallic acid- folate conjugated Poly L-Lysine nanoparticles	Dr. Abha Mishra	DBT	Biochemical

11	Low cost ammonia gas sensor based on polymer/polymer nanocomposite device formed by novel floating film transfer (FTM) technique	Prof. Rajiv Prakash	IMPRINT- SERB	SMST
12	Development and assessment of asphalt mastic from typical Indian and Austrian filler materials with a new test method	Dr. Nikhil Saboo	DST	Civil
13	Development of Ti alloy based composites by mechanical alloying and stirrer casting route for dental applications	Dr. Rakesh kumar Gautam	SERB	Mechanical
14	River- Aquifer exchanges & hydrogeological study for watershed management of betwa river basin	Dr. Shishir Gaur	NRDMS	Civil
15	Photonic radiative cooler for passive sub-ambient cooling	Dr. Jahar Sarkar	SERB- IMPRINT	Mechanical
16	Table Top Sem	Prof. Rajiv Prakash	Advanced Materials Pvt Ltd.	CIF
17	National Research Development Corporation	Prof. Rajiv Prakash	NRDC	IPR
18	Chemical modification of Guar Gum to improve its Properties	Prof. Pralay Maiti	Hindustan Gum & Chemicals Ltd	SMST
19	Design and development of Micro Seismic based technique for monitoring and prediction of slope failure in Pandoh, Himachal Pradesh, India	Dr. A.K. Verma	SERB	Mining
20	Whole body Vibration Exposure on HEMM Operators in Surface Coal Mines – An Assessment of Various Contributing Factors	Dr. S.K. Palei	SERB	Mining
21	National Geotechnical Conclave on “Development of Early warning system (EAWS) for Landslide Hazard Mitigation on 21-22 March, 2019	Dr. A.K. Verma	DST	Mining
22	Aging studies and estimation of thermal properties of Liner Materials	Prof. Pralay Maiti	DRDO	SMST
23	Modeling self assembly and phase separation kinetics in the complex soft materials	Dr. Awaneesh Kumar Singh	SERB	Physics
24	Ramanujan Fellowship	Dr. Bidya Binay Karak	SERB	Physics
25	Design Modelling and simulation of linear Induction Drive for Propulsion Applications	Prof. R.K.Srivastava	CARS, DRDO	Electrical
26	Metal hexacyanoferrate modified screen printed electrodes for the removal of radio nuclides	Prof. P.C. Pandey(PI), Prof. Y.C.Sharma (CoPI)	DRDO	Chemistry
27	Study and analysis of Mathematical Models of Moving Boundry Problems	Dr. Rajeev	SERB	Math
28	A Stack development of untillized regenerative Proton Exchange Membrane Fuel Cell for Large Scale Production of Ultra Pure Hydrogen Fuel, Oxygen using Solar Energy & uninterrupted Power	Dr. Hiralal Pramanik	SERB	Chemical
29	Development of High Alumina(Al ₂ O ₃) & DOPED High Alumina materials for Ceramic Cartridge Applications	Dr. Santanu Das	Yantrash Auto Pvt. Ltd	Ceramic
30	Investigations of new lead free perovskite materials for solar cells	Prof. Prabhakar Singh	SERB	Physics
31	Applications of Spectral graph theory in analyzing the structural properties of large scale networks	Dr. Lavanya Silveganeshan	SERB	Mathematics
32	Controlled synthesis of MoO ₃ nanoparticles inside mesoporous materials for oxidative dehydrogenation of organic molecules with CO ₂	Dr. Vijay Maruti Shinde	SERB	Chemical
33	Construction of Non-monotonic Lyapunov Function for the Dynamical Systems governed by differential inclusions	Dr. Shyam Kamal	SERB	Electrical
34	FIST	The HoD Physics	DST	Physics
35	LEAP – Phase I	Prof. Rajiv Prakash	MHRD	SMST
36	Defence Corridor	Director, IIT(BHU)	UPEIDA	IIT (BHU)
2019-20				
1	Natural Template Based Novel Neuroprotective Molecules for the management of Alzheimer's Disease	Dr. G.P. Modi	SERB- CRG	Pharmaceutics
2	Design and Development of Affordable Myoelectric Prosthetic Hand	Dr. Shiru Sharma	SERB-CRG	Biomedical
3	Development of complex Aluminium Shell Part High pressure die-casting	Prof. Santosh Kumar	DRDL Hyderabad	Mechanical
4	Assessing the Suitability of warm mix asphalt (WMA) Technology Using Tribological and Performance Characteristics	Dr. Nikhil Saboo	SERB, ECRA	Civil
5	Pharmacological evaluation of anti-diabetic effects of some natural drugs	Dr. Sairam Krishnamurthy	Natreon Inc.	Pharma
6	How Beclin 1 mediates cross-talk between apoptosis and autophagy via ITS C-Terminal Fragment?	Prof. Vikash Kumar Dubey	CSIR	Biochemical
7	Development of novel near infrared fluorescence imaging probes for detecting amyloid beta species in eyes of Alzheimer's disease animal model	Dr. Gyan Prakash Modi	ICMR	Pharmaceutics
8	Impact of Carbon Nanomaterial based Photocatalyst on Microalgae Growth and Lipid for improved Biodiesel	Prof. Rajiv Prakash	DBT	SMST
9	Electromagnetic Analysis, Design and Simulation of Dual Frequency (S- and C-band) Relativistic Backward wave Oscillator – A HPM Source	Dr. M. Thottappan & Dr. Somak Bhattacharya	DRDO	Electronics
10	Development of high strength ceramic magnet for rotating machine applications	Dr. Pradip Roy	SERB-IMPRINT	Ceramic

11	Rheophysics of semi-rigid road building materials and optimization of their composites for the perception of heavy transport load	Dr. Nikhil Saboo	DST	Civil
12	Optimization Of capacity utilization of draglines deployed in NCL through Big data Analytics	Prof. Suprakash Gupta	NCL	Mining
13	Study for impact assessment of back filling of fly ash in abandoned ghorbi mine and treatment/management of acidic water to avoid contamination of ground water and soil	Prof. Aarif Jamal	NCL	Mining
14	Contribution of Neighboring Industries over the air quality of mining area	Prof. Aarif Jamal	NCL	Mining
15	Evaluation of ground behaviour in open cart and underground excavations using TDR	Prof. Sanjay Kuamr Sharma	NCL	Mining
16	Stability Evaluation of dump slopes & developing slope stability model for design of Long Term Stable Dump Slopes through proper benching & vegetation : Part A	Dr. Rajesh Rai	NCL	Mining
17	Stability Evaluation of Dump Slopes and Developing Slope Stability Models for Design of Long Term Stable Sump Slopes through Proper Benching and Vegetation – Part B	Prof. G.S.P. Singh	NCL	Mining
18	Novel Milk Exosomes for the combination therapy by using selected natural medicine (Paclitaxel & Colchicine) for the efficient management of breast cancer	Dr. Ashish kumar Agrawal	SERB	Pharmaceutical Engg. & Tech.
19	Safer Roads: Development of Mix Design Methodology for OGFC Mixes	Dr. Nikhil Saboo	CST-UP	Civil
20	Development of Simulation Software for Spintronic Device & Circuit Simulation	Dr. Shivam Verma	SERB	Electronics
21	Life cycle and performance of Waste Plastic roads	Dr. Nikhil Saboo	NRIDA	Civil
22	Life Cycle and performance assessment of cold mix roads	Dr. Nikhil Saboo	NRIDA	Civil
23	Slope stability monitoring and analysis using hyperspectral imaging	Dr. Tarun Verma	SERB	Mining
24	Equipment for Coal Laboratory at IIT(BHU)	Dr. Aarif Jamal	NCL	Mining
25	Understanding the engineering behavior of unsaturated geomaterials and implementing it in limit analysis for solving geotechnical problems	Dr. Manash Chakraborty	SERB	Civil
26	Bioluminescence based monitoring of tumor progression and treatment by apoptotic pathway	Dr. Deepak Kumar	DBT	Pharmaceutical Engg. & Tech.
27	Development of ORC technology for waste heat utilization for the generation of electricity	Dr. Jahar Sarkar	BRNS	Mechanical
28	Assessment of Structural Vulnerability through Characterisation of Tornado for a NPP Site	Dr. Arnab Sarkar	BRNS	Mechanical
29	Synthesis and evaluation of diverse N- functionalized heterocyclic hybrids as multi target directed ligands for neuroprotective neurorestorative therapies	Dr. Senthil raja	MHRD SPARC	PHARMA
30	Development of high performance, CMOS compatible and color selective narrow-bandphotodetector for high resolution imaging application	Dr. Bholanath Pal	SERB	SMST
31	Design development and characterization of Low loss frequency selective metamaterial waveguide coupler and antenna for 5 G Applications	Dr. Smrity Dwivedi	SERB - MATRICS	Electronics
32	Role of short range ordering in designing high entropy alloys	Dr. Vikash Jindal (PI) Dr. NK. Mukhopadhyay (CoPI)	SERB	Metallurgy
33	Cyclic thermochemical fuel generation	Dr. Randhir Singh (PI), Dr. Bratindranath Mukherjee (CoPI)	SERB	Metallurgy
34	Output feed back controller design for linear parameter varying systems	Dr. Sandip Ghosh (PI), Dr. Shyam Kamal (CoPI), Dr. NKS Naidu (CoPI), Dr. SK Singh (CoPI)	SERB	Electrical
35	Modelling & simulation of ultra-high temperature coating on substrate using CVD/CVI Process	Dr. Vijay Maruti Shinde	DRDO	Chemical
36	Development of magnetically recyclable visible light photocatalysts for H2O2 Production	Dr. Indrajit Sinha (PI), Prof Rajiv Prakash (CoPI)	BRNS	Chemistry
37	INSPIRE Faculty Award	Dr. Suryadeo Yadav	DST	Metallurgy
38	Detailed study on the effect of mining as well as Thermal Power Stations on Natural water bodies in Singrauli Region and Recommendation Thereof	Prof PK Mishra	NCL	Chemical
39	Development of transition metal based nanocatalysts for bioinspired water oxidation	Dr. Arindam Indra	CSIR	Chemistry
40	Developing Superior Nobel Metal free Oxygen Evolution Catalyst for Electrochemical Water oxidation and Metal -Air Battery	Dr. Asha Gupta	SERB	Chemistry
41	Promoting water Oxidation Reaction with Electrochemically Synthesized ultrathin Layered double Hydroxide Nanosheets	Dr. Arindam Indra	SERB	Chemistry
42	Prospects of power converters for integration of electric vehicle charging stations with the existing distribution system in India	Dr. Santosh kumar singh (PI),	SPARC - MHRD	Electrical
43	Targeting kinesins Mediated regulation of nociceptors for the Treatment of Neuropathic Pain	Dr. Vinod Tiwari (PI), Dr. Sanjay Singh (CoPI)	SPARC - MHRD	Pharmaceutical

44	Wear corrosion and biocompatibility of Tantalum (Ta) coated 316 L Stainless steel for Orthopedic Applications	Dr. CK Behera	SERB	Metallurgy
45	Tuning self assembly of fluorescent Protein Nanodots for Melanoma Skin Cancer	Dr. Avnish Singh Parmar (PI) Dr. SK Yadav (CoPI)	SERB	Physics
46	Development of Functionally Graded Armour Composites (FGACs) Materials	Dr. Vikas Jindal (PI), Dr. Kaushik Chattopadhyay (CoPI)	DRDO	Metallurgy
47	Regional characterization of atmospheric aerosols at Varanasi Region	Dr. RS Singh (PI), Dr. Tirthankar Banerjee (CoPI)	ISRO	Chemical
48	Development of Microfluidic tools for neuromuscular synaptogenesis and nanotoxicological studies	Dr. Sanjeev Kumar Mahto	DST	Biomedical
49	Development and evaluation of an innovative poly herbal Bi layer wound dressing material	Dr. Pradeep Srivastava	DRDO	Biochemical
50	Study of tool wear in diamond turn machining & micro machining process	Prof. Sandeep Kumar, P.I. Dr. U.S. Rao	BARC, Mumbai	Mechanical
51	Development of Sheet Hydro-forming Process for missile Components	Prof. Santosh Kumar	DRDO	Mechanical
52	Technology and Fabrication of Tabletop CNC Machine for Micro-Tubular Hydro forming Setup	Prof. Santosh Kumar	BARC	Mechanical
53	Assessment of residual stress upon friction stir welding of steel	Dr. Mohd. Zaheer Khan Yusufzai	SERB	Mechanical
54	Quenching behavior of dry heated ord with nanofluid	Dr. Pradyumna Ghosh	BRNS	Mechanical
55	Cognitive Linguistic study of perception verbs in Hindi and English: In the context of machine translation	Dr. Swasti Mishra	DST(CSRI)	Humanities
56	Development & evaluation of nanocarrier for enhanced anti-microbial activity of anacardic acid against human and plant pathogens	Dr. Sanjay Singh	DST	Pharmaceutics
57	J.C. Bose Fellowship	Prof. Dhananjay Pandey	SERB	SMST
58	Evaluation of some compounds in experimental Alzheimer Disease	Dr. Sairam Krishnamurthy	Natreon	Pharmaceutics
59	Pharmacological Effect of novel formulation in experimental allergic encephalomyelitis rodent model	Dr. Sairam Krishnamurthy	DISTO	Pharmaceutics
60	Screening of Novel Psychrophilic alkaline Protease from the metagenome of Antarctic soil	Dr. Ashish Kumar Singh	SERB	Biochemical
61	National Initiative for Leadership Development in the Higher Educational Institutions	Prof. Rajiv Prakash	MHRD	SMST
62	Research and experiment in the area of advanced data structures and methodology to represent and process large terrain data sets for efficient rendering	Prof. Rajiv Srivastava (PI), Dr. N S Rajput (CoPI)	DRDO	Computer science and engineering
63	On understanding the solar activity and preparing for space weather prediction using a state of the art dynamo model	Dr. Bidya binay karak (PI), Dr D.Banerjee (CoPI)	ISRO	Dept of Physics
64	Metal Nanostructure assisted plasmonic hot electron induced phase transformation in 2D- Transition Metal di- chalcogenides for hydrogen evolution reaction	Dr. Santanu Das(PI), Dr. B.Mukherjee(CoPI)	STARS- MHRD	Dept of Ceramic Engineering
65	Technology Innovation Hub (TIH)	The Director IIT (BHU)	SERB	IIT (BHU)
66	ARPIT	Prof. Sushant K. Srivastava		Pharmaceutical Engg.
67	LEAP – Phase 2	Prof. Rajiv Prakash	MHRD	SMST
68	IMPRINT	Dr. PK Roy	MHRD	Ceramic
69	FIST, SMST	Dr. A.K. Singh, Coordinator	DST	SMST
70	FIST Program	The Hod Metallurgical Engg.	DST	Metallurgical Engg.
71	RKVY-RAFTAR Agribusiness incubators	Prof. P.K. Mishra	DACFW RAFTAR Scheme	Chemical Engg.
72	Approximation method for problems in fractional calculus of variations	Dr. Rajesh Kumar Pandey	SERB	Math
73	Virtual Synchronous generator for microgrid applications	Dr. N. Krishna Swami Naidu	SERB	Electrical
74	Removal of Benzene, Toluene, Ethylbenzene (BTEX) using Adsorption and Bioremediation	Dr. R.S. Singh (PI) Prof. B.N. Rai (Co-PI)	SPARC - MHRD	Chemical Engg.
75	Harnessing the synergy of low band gap organic semiconductor and highly facile floating film transfer method for low cost efficient organic electronic devices	Prof. Rajiv Prak (PI) Prof. P.K. Jain (Co-PI)	SPARC - MHRD	Electronic
76	Strategies towards generation of functional tissue engineered construct from orthopedic application	Prof. Pradip Srivastav	SPARC - MHRD	Biochemical
2020-21				
1	Design and development of a Membrane reformer prototype for production of ultra pure hydrogen from methanol for fuel cell based vehicle and power generators	Dr. RK Upadhyaya	DST	Chemical Engg & Technology
2	Development of text based matching algorithms for bartering software	Dr. Sukomal Pal	ASCONSOFTTECH	Computer Science
3	Design and analysis of linear induction motor drive for electromagnetic aircraft launching system	Dr. RK Srivastav	DRDO	Electrical
4	Intelligent system for computer assisted diagnosis (CAD) OF CANINE MAMMARY TUMORS	Prof Sanjay Kumar Singh	DBT	Computer
5	Development of efficient metal free two-dimensional materials for energy and environment: an ab initio investigation	Dr. Vivek Kumar Yadav	SERB	Chemistry
6	MoU Between IIT(BHU) & Samsung India Pvt. Ltd.	Dr. Tanima Dutta (PI), Dr. H.P. Gupta (CoPI)	SAMSUNG	Computer

7	Pathology on a Spinning Disc	Dr. Arnab Sarkar	MHRD - STARS	Mechanical
8	Strategic Planning for Water Resources and Implementation of Novel Biotechnical Treatment Solutions and Good Practices (SPRING)	Prof. Prabhat Kumar Singh	DBT	Civil
9	Re-purposing of approved drugs from Drug Bank database for possible treatment for COVID-19 by targeting SARS-CoV-2 main purpose	Prof. Vikash Kumar Dubey	SERB	Biochemical
10	3 D Bio Stecolithography for Enggineering fuctional Tissues	Prof. Pralay Maiti	SERB	SMST
11	Development of guidelines for use of waste reclaimed water in pavement construction	Dr. Nikhil Saboo	Ministry of Road Transport & Highway	Civil
12	Investigation of Structural phase transformation in HfO ₂ thin films using X-ray absorption spectroscopy	Dr. Chandana Rath	CRS	SMST

Research Conducted on preservation of the virginity of Soil and hike of Ground Level Water

Sl.No.	Title	Name of PI	Department	Funding Agency
1	Screening of novel antibiotics from the metagenome of Himalayan glacial soil	Dr. Ashish Kumar Singh	Biochemical	DRDO
2	Study for impact assessment of back filling of fly ash in abandoned gorbi mine and treatment/management of acidic water to avoid contamination of ground water and soil	Prof. Aarif Jamal	Mining	NCL
3	Screening of Novel Psychrophilic alkaline Protace from the metagenome of Antarctic soil	Dr. Ashish Kumar Singh	Biochemical	SERB
4	Development of guidelines for use of waste reclaimed water in pavement construction	Dr. Nikhil Saboo	Civil	Ministry of Road Transport & Highway

Water based Start-ups

Sl. No.	Idea	Founder	Company Name	Focus Area
1	Water saving RO water filters	Mr. Rohit Mittal	M/s iMinBit TechIndia Pvt. Ltd.	Water Tech
2.	Allywing Solutions Pvt Ltd	Low maintenance pond water pump	Shri. Gaurav Singh	Water Tech

Soil based Start-ups

Sl. No.	Idea	Founder	Company Name	Focus Area
1.	Gardening Services	Mr. Avishek Kumar	M/s Garden on Concrete	Green Tech
2.	Sikhar Vaidik Krishi Kendra	Vaidik Krishi Kendra - chain of small farmers of vermicompost manufacturer, vegetable and grain producer	Mukesh Kumar Pandey	Waste to Wealth

Research conducted specially in Agriculture Field

Sl.No.	Title	Name of PI	Department	Funding Agency
1	RKVY-RAFTAAR, Agribusiness Incubators (R-ABI) under RKVY-RAFTAAR Scheme	Prof. P.K.Mishra	Chemical Engineering	DACFW
2	Development of an energy –efficient wireless sensor networks for precision agriculture	Dr. H.P. Gupta	Computer Engg.	DST

Agri based Start-ups

Sr. No.	Idea	Founder	Company Name	Focus Area
1.	Organic detergent	Mr. Chandra shekhar Mishra	Kashi Organic Care Pvt Ltd	Food Tech
2.	Ayurvedic food & nutritional products	Mr. Janardan Singh	Kashi Organic Natural Product Pvt Ltd	Food Tech
3.	Low maintenance pond water pump	Shri. Gaurav Singh	Allywing Solutions Pvt Ltd	Agri Tech
4.	Mr. Hemant Kumar	M/s Freshnic Agribusiness Pvt. Ltd.	Delivery of Freshly prepared Cold Pressed Juices	Food Tech
5.	Bio degradable packaging film using agri waste	Mr. Kumar Rohit Srivastava	Shyama Biotech	Waste to Wealth
6.	Vaidik Krishi Kendra - chain of small farmers of vermicompost manufacturer, vegetable and grain producer	Mukesh Kumar Pandey	Sikhar Vaidik Krishi Kendra	Waste to Wealth
7.	Medicinal fungus Cordycepsmilitaris products, formulation for diabetes, anti-aging supplements	Nisha Niranjana	VN Organics	Food Tech
8.	Bio fertilizer, bio pesticides, fish food, poultry food and dog food using green waste	Dr. Sumit Saxena	HealVenture Biosciences LLP	Animal Husbandry
9.	Herb based A2 ghee	Shipra Sandilya	Prabhuti Enterprises Pvt. Ltd	Food Tech
10.	Family farmer - agri products selling platform	Ms Dipti	Grihastha Georgic Pvt Ltd	ICT
11.	Products from aromatic plants	Mr. Satyaprakash Dev Pandey	Sonanchal Aroma Pvt Ltd	Food Tech
12.	Peas preservation through renewable energy	Mr. Ram Kumar Rai	Shivashraya Agro Pvt Ltd	Food Tech
13.	Agri products and Agro Tourism	Dr. Dharmendra Kumar Mishra	Kakun Organic Agro-Food Pvt Ltd	Food Tech
14.	Agri Rendezvous	Mr. Awadhesh Dikshit	Anand Kanan Agri Tech Pvt Ltd	Agri Tourism
15.	Farm intrusion prevention system	Mr. Awani Kumar Shukla	Secure Hub Pvt Ltd	Agri Tech
16.	Moringa products	Dr. Kamini Singh	JVKS Agro Tech Pvt Ltd	Food Tech
17.	Smart Solar Tree & Air Water Generator. The combination will create a renewable energy source and water for sustainable agriculture	Ajay Kumar	Titlis Engg & Projects Pvt Ltd	Agri Tech
18.	Freshwater and marine based pearl culture	Ashok Manwani	Manwani's Innovative Pearl Culture LLP	Secondary Agriculture
19.	Nutritatva- Healthy snacks using fruits, vegetable, seeds and nuts	Dr. Mani Upreti	Nutritatva Foods Pvt Ltd	Food Tech