

Supporting Document: 3.1.6

3.1.6 Percentage of departments with UGC-SAP, CAS, DST-FIST, DBT, ICSSR and other recognitions by national and international agencies



Assessment Period: 2016 -2021



Indira Gandhi Delhi Technical University For Women

(Established by Govt. of Delhi vide Act 9 of 2012)

ISO 9001:2015 Certified University

List of Research Projects received from Government Agencies

S.No.	Name of the Project	Name of the Principal Investigator/ Co Investigator (if applicable)	Name of the Funding agency	Year of Project Sanctioned	Duration of the project
1	Human Sense: Towards context aware sensing, inference and actuation	Co-PI: Prof. S.R.N. Reddy	ITRA MHRD	2013	4 Years
2	Design & Innovation Center	Co-PI: Prof. S.R.N. Reddy	MHRD	2014	6 Years
3	Spatio-temporal Variability of Aerosols over National Capital Region of India.	PI: Prof. Ranu Gadi	DST	2015	4 Years
4	Special Manpower Development Program- Chip to System Design (III- Phase)	PI: Prof. Jasdeep Kaur Dhanoa	MeiTY	2015	5 Years
5	Capacity Building in Information Security Education Awareness Project (ISEA)	PI: Prof. R K Singh	DeiTY, MciTY	2015	5 Years
6	Fabrication and Application of Polymeric Nanoshots as Drug Delivery Agent for Cancer Imaging and Therapy.	PI: Dr. Bhavani Prasad	DST	2017	3 Years
7	Consolidation of University Research for Innovation and Excellence in women Universities (CURIE)	PI: Dr. Amita Dev (Hon'ble Vice Chancellor), Nodal Officer: Prof. Ranu Gadi	DST	2018	3 Years
8	Design and development of customized Temporo mandibular joint prosthesis for patient suffering from end stage TM disorders.	PI: Ms. Mehak Sharma	DST	2018	3 Years
9	Vigyan Jyoti Pilot Project	PI: Prof. Jasdeep Kaur Dhanoa	DST	2018	1 Year
10	Consolidation of University Research for Innovation and Excellence in women Universities (CURIE) for Artificial Intelligence (AI) – 1 st Phase	PI: Dr. Amita Dev (Hon'ble Vice Chancellor) Nodal Officer: Prof. Ranu Gadi	DST	2019	1 Year

11	Detection of life-threatening diseases by examining the human genome in Microarray data using distributed implementation of algorithms	PI: Prof. Devendra k. Tayal	DST	2019	3 Years
12	Consolidation of University Research for Innovation and Excellence in women Universities (CURIE) for Artificial Intelligence (AI) – 2 nd Phase	PI: Dr. Amita Dev (Hon'ble Vice Chancellor) Nodal Officer: Prof. Ranu Gadi	DST	2020	3 Years
13	Centre of Excellence - Advanced Mechatronics Systems	PI: Dr. Amita Dev (Hon'ble Vice Chancellor), Nodal Officer: Prof. Manoj Soni	Delhi Knowledge Development Foundation (DKDF)	2020	3 Years



Prof. Ranu Gadi
Dean (IRD)



Indira Gandhi Delhi Technical University For Women

(Established by Govt. of Delhi vide Act 9 of 2012)

ISO 9001:2015 Certified University

List of Research Projects received from Non-Government Agencies

S.No.	Name of the Project	Name of the Principal Investigator/ Co Investigator (if applicable)	Name of the Funding agency	Year of Project Sanctioned	Duration of the project
1	Mobile Education Kit-2	PI: Prof. S.R.N. Reddy	Nokia University Relation, Finland	2014	4 Years
2	Intel IoT Center for excellence	PI: Prof. S.R.N. Reddy	Intel (India)	2014	6 Years
3	Intel Real Sense	PI: Prof. S.R.N. Reddy	Intel (India)	2015	5 Years
4	Mobile Education Kit-3	PI: Prof. S.R.N. Reddy	Microsoft University Relation, Finland	2015	5 Years
5	VIDYA-IGDTUW	PI: Prof. S.R.N. Reddy	PPyrus, Little more Innovations Intel	2020	1.5 Years

List of Consultancy Projects received from Non-Government

S.No.	Name of the Consultancy Project	Name of the Consultant	Name of the Funding agency	Year of Sanctioned
1	Consultancy contract for Incubation support for Promotion for women Entrepreneurs in New Delhi	Dr. V.K. Arora, Nodal Officer	German Development Cooperation	2019
2	Training Consultancy Assignment in the area of "Big Data and Machine Learning"	Mr. Rishabh Kaushal	Imarticus Learning Pvt. Ltd.	2019
3	Development of Novel Machine Learning Algorithms, in the areas of Natural Language Processing (NLP) for Text extraction and Analysis applications in English and Vernacular Indian Languages	Prof Devendra k Tayal	Pingala AI Pvt Ltd.	2020
4	Climate Responsive and Girl Friendly Wash in Elementary schools Co-located Aaganwadis in Rajasthan	Dr. Preeti Vajpeyi	UNICEF, Rajasthan	2020

Prof. Ranu Gadi
Dean (IRD)

1

INDIRA GANDHI INSTITUTE OF TECHNOLOGY

(a constituent college of GGS Indraprastha University, Delhi)

Kashmere Gate, Delhi-110403
Telephone : 23900351,
23900349, 23869525
Telefax : (91)-011 23869497

To Whom It May Concern

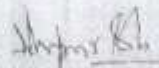
This letter is to express the support and commitment of Indira Gandhi Institute of Technology (IGIT) as collaborating institute on the proposal on setting up a Centre for Design and Innovation at IIT Delhi by MHRD. IGIT would be very much interested in being part of the consortium lead by IIT Delhi for initiating activities in the domain of design and innovation.

Indira Gandhi Institute of Technology was established by Department of Training and Technical Education, Govt. of Delhi, in the year 1998 as the first woman Engineering College in India. The institution was specifically established to impart Engineering education to women of the country, keeping in view the global technological developments and to meet the requirements of the Indian Industry in the 21st Century. As a collaborating institution, IGIT will be actively engaged in the following:

1. Adopt/modify some of the existing courses to promote design and innovation.
2. Develop and conduct new courses in the area of "Design and Innovation" independently as well as in collaboration with IIT Delhi
3. Develop and offer student projects as part of the curriculum as well as outside of the curriculum at both UG as well as PG level to promote innovative product design as well as entrepreneurship

IGIT commits to work with all collaborating institutes and start a new initiative that brings the technology to the end user and provide the laboratory and other facilities at IGIT to fulfill the project objectives.

Dr. S. RN. Reddy, Associate Professor in Department of Computer Science & Engineering at IGIT will be the point of contact for the collaboration on behalf of IGIT.


(Prof. Nupur Prakash)
Principal 9/10/2012

1
6/c. (5)



23rd February '2015

Dr. S.Ramanarayana Reddy,
HOD for CSE Dept & Associate – Professor
Indira Gandhi Delhi Technical University for Women
Kashmere Gate,
Delhi – 110 006

Dear Sir,

Please find enclosed herewith the cheque for Rs. 2,02,500/- (Rupees two lacs two thousand five hundred only) vide cheque No. 457570 Dated 20/02/2015 towards the payment of your Invoice No. IGDUTW/CSE/2014-15-Intel-IOT/1.

Kindly acknowledge the receipt of the same.

Thanking you,

Yours faithfully
For Education Quality Foundation Of India

(Authorized Signatory)

4
23/C

Intel IOT Project

Particulars	Details	Amount (In Rs.)
Course development		1,00,000 /-
Workshop conduction		Nil (as the workshop has been already organized and sponsored by Intel)
Stipend for the students	Two students for 6 months@5000	60,000 /-
Publications		40,000 /-
Miscellaneous expenses		2500 /-
Total		2,02,500 /-

Subject: Intel(R) Galileo Course work
From: Girish S (girish.s@learninglinksindia.org)
To: rammallik@yahoo.com;
Cc: girish.s@learninglinksindia.org;
Date: Wednesday, 17 September 2014 11:20 AM

Dear Sir,

Further to our discussion, you will be shortly receiving Intel® Galileo Boards from Intel, to support development of a courseware based on Intel® Galileo to foster students' skills on intelligent systems and innovations in the areas of Wearable's, Internet of Things etc, a onetime grant of INR 225000/- (Rs. two lakhs, twenty five thousand only) will be provided on agreement for supporting this initiative.

Summary of the Engagement:

- The course shall focus on 2nd year / 3rd year engineering streams (CSE, ECE, ISE, EEE) and will be developed during the period August 2014 to December 2014 so that the January is ready by July 2015
- Facilitate a in- house workshop on Intel® Galileo for students and faculties
- The curriculum should be made open source, for sharing with partner institutes and affiliates
- The grant amount should be used for course development and in house workshop
- Some suggestions on course development are as follows; these are just suggestions, you may add your own inputs / expertise ... for planning the course
 - The course ware / Module may be 10-12 hour module with theory and practice
 - It can a be complete workshop content, 1 – 1.5 day workshop to train students / faculty
 - It can be a set of lab exercises based on Intel® Galileo
 - It can be a online MOOC course IoT, Wearable's etc

The Intel® Galileo Development Boards details (Product briefs, data sheets, release notes, quick guides, tutorials etc) are available on this link (<http://www.intel.com/content/www/us/en/do-it-yourself/galileo-maker-quark-board.html>) for your reference during course development.



Please reply with your consent. We also request you to fill the attached invoice for processing of the grant. This one time grant is being given to few selected institutes like IIT Bombay, IIT Delhi, IIT Kharagpur, IISc Bangalore and IIT Kanpur and your organization

Thanks and Regards,

Girish S

Intel® Higher Education Program

Mobile- 09880216581



18th September 2015

Dr. SRN Reddy
Indira Gandhi Delhi Technical University For Women
Kashmere Gate, Delhi - 110006

Dear Sir,

Please find enclosed herewith the cheque for Rs. 2,00,000/- (Rupees Two Lacs Only) vide cheque No. 180210 Dated 11/09/2015 towards the payment of your Invoice No. IDTUW/CSE/Intel-Real Sense-01/2015 Dated 18/8/2015.

Kindly acknowledge the receipt of the same.

Thanking you,

Yours faithfully
For Education Quality Foundation Of India

(Authorized Signatory)

*Deposit in Reserve acc - 2 part
as per RealSense project
Mrs. Zennat*

Education Quality Foundation of India

1210, Padma Tower -I, 5, Rajendra Place, New Delhi - 110008, Ph.: 91-11-25762725, 25762726, Fax : 91-11-25766775

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INVOICE

Dated: 27/11/2014

F. No.: 1/2014/Mek-NG

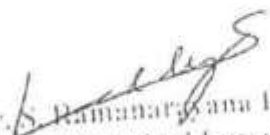
Invoice No: Mek-NG/CSE/IGDTUW/2014-15
Reference Number: Mek-NG(Mek-2/Nokia)/CSE/IGDTUW/2014-15

To
Suresh Chande, Head of India University Donations Program
Microsoft Mobile Devices University Relations, Finland.
F111 Microsoft Mobile Oy
Keilalahdentie 2-4,
Espoo, 02150,
Finland

Project Details: Research Grant: Research Grant to "IGDTU for Women" for
"Mobile in Indian Education Curriculum (MEK-NG) Program" under the guidance of
Dr. S. Ramanarayana Reddy

Contribution: 23,40,000.00 INR
Reference: Suresh Chande
Cost Center: 1037709
Account: India University Grant 2014
Invoice No: Mek-NG/CSE/IGDTUW/2014-15

Reference Number: Mek-NG(Mek-2/Nokia)/CSE/IGDTUW/2014-15
University Name: Indira Gandhi Delhi Technical University For Women (IGDTUW)
Address: Room No 107, Electrical Block, IGDTUW, Kashmere Gate, Delhi- 110006
Bank Account Number(Registrar IGDTUW): 09001000018950
Bank Name: Punjab & Sind Bank
Pan No: AAEFI2263F
Tan No: DELMO5367F
Street: IGDTUW Campus, Kashmere Gate, Delhi
Swift Code: PSIBINBB-005 (Account with GGSIPU, Kashmere Gate)
Transfer Message: (So that you can trace the transfer easily in your organization)
IFSC CODE: PSIB0001098
MICR CODE: 110023109

(Dr.  S. Ramanarayana Reddy).
Associate Professor and Principal Investigator.
IGDTU for Women

It contains the following components:-

1. Computing Platform (SoC): Raspberry Pi, Intel Gallileo board etc.]
2. Communication Module: Bluetooth, Wi-Fi, GPS and GSM.
3. I/O Module: TFT/ Touch screens [Atmel Touch screen boards] along with some gestures will be incorporated.
4. Sensing Module: Various sensors for monitoring the environment, health and safety applications will be integrated in the proposed system. It uses sensor like Proximity, light, temperature, accelerometer, vibration, humidity, tilt sensor, blood pressure sensor, heart beat monitoring sensor etc will be incorporated
5. OS Module: We incorporate the methodology to customize the mobile OS for the need of the project or a device and port it into the selected hardware from the Linux Source code. Open source OS such as android or Linux is being used. The same will be tested in Microsoft Windows Phone if support from the Microsoft is provided. Android [Nokia X]
6. API Module: The real time data will be provided to the researchers for the use of developing some applications through the popular social media that is face book and twitter etc. In future, the same will be provided with the private cloud[Microsoft Assure]
7. Application Development: Set of experiments that demonstrates the complete concepts with practical or real components will be presented with step by step procedure. Multimedia / Recorded videos through ICT will be created for better understanding and reaching the peoples.



8. Learning Module: PPT's will be created to teach and the same will be provided for the faculty or students
9. Application Module: Project files will be provided on each of the sub topic to run and test the concepts easily. IoT applications based on various boards

All the points 1 to 7 are incorporated into single package and distributed to the different partner institutions for training and creating the labs and thereby providing the practical integrated platform for the student to create more innovations and designs

2. Proposed Budget for 2015-16

Sr. No.	Particulars	Amount
1	Student Fellowship for 2 student @ 10000/-pm	1,60,000
2	My smartphone kit 75 @ 15000	11,25,000
3	Honorarium and travel expenditure for experts outside university	1,50,000
4	Training and workshops	1,50,000
5	Designing of brochures & logo etc. by NID	1,00,000
6	Publications (books, patents, conferences)	55,000
7	Refreshment and miscellaneous	2,50,000
8	Lab Instrument for verification and validation of software and hardware	30,000
9	Related textbooks	1,70,000
10	Overhead	23,40,000
	Total	



No. SB/S4/AS-141/2014

विज्ञान और इंजीनियरिंग अनुसन्धान बोर्ड

SCIENCE & ENGINEERING RESEARCH BOARD

(विज्ञान और प्रौद्योगिकी विभाग, भारत सरकार के अंतर्गत एक सांविधिक निकाय)
(A Statutory Body of the Department of Science & Technology, Government of India)5 और 5 ए, निचला भू-तल / 5&5A, Lower Ground Floor,
वसंत स्क्वायर मॉल, सेक्टर-बी / Vasant Square Mall, Sector-B,
पॉकेट-5, वसंत कुंज / Pocket-5, Vasant Kunj,
नई दिल्ली / New Delhi - 110070.

दिनांक / Dated 29.06.2018

आदेश / ORDER**Sub:** Research project entitled "*Spatio-Temporal Variability of Aerosols over National Capital Region (NCR)*" - Reg.**PI:** Dr. (Mrs.) Ranu Gadi, D/o Basic and Applied Sciences, Indira Gandhi Delhi Technical University for Women, Kashmere Gate, Delhi-110006.In continuation to the order of even number dated 15.05.2018, sanction of the **Science and Engineering Research Board** is accorded to extend the project duration for six months (ex-post-facto) i.e. up to 04.12.2018 within the approved cost.

2. The organization/institute/university should ensure that the technical support/financial assistance provided to them by the SERB, a statutory body of the DST, Government of India should invariably be highlighted / acknowledged in their media release as well as in bold letters in the opening paragraphs of their Annual Report.

3. In addition, the investigator/host institute must also acknowledge the support provided to them in all publications, patents and any other output emanating out of the project/programme funded by the SERB, a statutory body of the DST, Government of India.

4. The Sanction has been issued with the approval of the competent authority under delegated powers and vide Diary No. 1225 dated 26.06.2018.

5. The other terms and conditions remain same.

प्रहलाद राम

(प्रहलाद राम)

वैज्ञानिक-सी

प्रतिलिपि आगे भेजी जानकारी और आवश्यक कार्रवाई के लिए / Copy forwarded for information and necessary action to: -

- 1 अवर सचिव, एस.ई.आर.बी, नई दिल्ली / The Under Secretary, SERB, New Delhi.
- 2 स्वीकृति फोल्डर, एस.ई.आर.बी, नई दिल्ली / Sanction Folder, SERB, New Delhi.
- 3 फाइल प्रतिलिपि / File Copy
- 4 Dr. (Mrs.) Ranu Gadi, D/o Basic and Applied Sciences, Indira Gandhi Delhi Technical University for Women, Kashmere Gate, Delhi-110006.
- 5 The Registrar, Indira Gandhi Delhi Technical University for Women, Kashmere Gate, Delhi-110006.

प्रहलाद राम

(प्रहलाद राम)

वैज्ञानिक-सी

No. SB/S4/AS-141/2014
SCIENCE & ENGINEERING RESEARCH BOARD (SERB)
(A Statutory Body of the Department of Science & Technology, Government of India)

5&5A, Lower Ground Floor,
Vasant Square Mall, Sector-B,
Pocket-5, Vasant Kunj,
New Delhi-110070.
Dated - 15.05.2018

ORDER

Sub: Research project entitled *“Spatio-Temporal Variability of Aerosols over National Capital Region (NCR)”* - Reg.

PI: Dr. (Mrs.) Ranu Gadi, D/o Basic and Applied Sciences, Indira Gandhi Delhi Technical University for Women, Kashmere Gate, Delhi-110006.

In continuation to the order of even number dated 12.02.2018, sanction of the SERB is accorded to the payment of Rs.9,00,000/- (Rupees Nine Lakh Only) under 'grant-in-aid-recurring' to the **Registrar, Indira Gandhi Delhi Technical University for Women, Delhi** being the grant for the year 2018-19 as next installment of the research project.

2. Sanction of the SERB is also accorded to carry forward the unspent balance of Rs. 630.81/- from the financial year 2017-18 to current financial year 2018-19 for same purpose which it was sanctioned.

3. The expenditure involved is debitable to the **Fund for Science & Engineering Research (FSER)**. This release is being made under **PAC-Earth & Atmospheric Sciences**.

4. The Sanction has been issued with the approval of the competent authority under delegated powers and vide Diary No.SERB/F/ **637** /2018-19 dated **14.05.2018**.

5. Sanction of the grant is subject to the conditions as detailed in Terms & Conditions available at website(www.serb.gov.in).

6. The total release amount of **Rs. 9,00,000/- (Rupees Nine Lakh Only)** will be drawn by the Under Secretary of the SERB and will be disbursed by means of RTGS transaction as per their Bank details given below:

Account Name	M/S Registrar, IGDTU for women-GIA
Account Number	09001000018950
Bank Name & Branch	Punjab & Sind Bank, GGSIP Univ. Campus, Kashmere Gate, Delhi
IFSC/RTGS Code	PSIB0001098
PI Email address	ranugadi@gmail.com
Dr. Prahlad Ram, Sci-C	prahlad@serb.gov.in

7. The manpower sanctioned in the project, if any is co-terminus with the duration of the project and SERB will have no liability to meet the fellowship etc. beyond the duration of the project.


8. The institute will furnish to the SERB, New Delhi, Utilization certificate and an audited statement of accounts pertaining to the grant immediately after the end of each financial year.

9. The institute will maintain separate audited accounts for the project. It is found expedient to keep a part or whole of grant in a bank account earning interest. The interest earned should be reported to the SERB, New Delhi. The interest thus earned will be treated as a credit to the institute to be adjusted towards further installment of the grant.

10. The organization/institute/university should ensure that the technical support/financial assistance provided to them by the SERB, a statutory body of the DST, Government of India should invariably be highlighted / acknowledged in their media release as well as in bold letters in the opening paragraphs of their Annual/Final Report.


11. In addition, the investigator/host institute must also acknowledge the support provided to them in all publications, patents and any other output emanating out of the project/program funded by the SERB, a statutory body of the DST, Government of India.

12. As this is the next grant being released for the project, the UC for the year 2017-18 is enclosed herewith.


(Prahlad Ram)
Scientist-C
15-5-18

Copy forwarded for information and necessary action to: -

- 1 The Under Secretary, SERB, New Delhi
- 2 Sanction Folder, SERB, New Delhi.
- 3 File Copy
- 4 Dr. (Mrs.) Ranu Gadi, D/o Basic and Applied Sciences, Indira Gandhi Delhi Technical University for Women, Kashmere Gate, Delhi-110006.
- 5. Registrar, Indira Gandhi Delhi Technical University for Women, Kashmere Gate, Delhi-110006.


(Prahlad Ram)
Scientist-C

No. SB/S4/AS-141/2014
SCIENCE & ENGINEERING RESEARCH BOARD

विज्ञान और इंजीनियरिंग अनुसन्धान बोर्ड

(A Statutory Body of the Department of Science & Technology, Government of India)

(विज्ञान और प्रौद्योगिकी विभाग, भारत सरकार के अंतर्गत एक सांविधिक निकाय)

5&5A, Lower Ground Floor,
Vasant Square Mall, Sector-B,
Pocket-5, Vasant Kunj,
New Delhi-110070.
Dated - 12.02.2018

ORDER

Sub: Research project entitled "*Spatio-Temporal Variability of Aerosols over National Capital Region (NCR)*" - Reg.

PI: Dr. (Mrs.) Ranu Gadi, D/o Basic and Applied Sciences, Indira Gandhi Delhi Technical University for Women, Kashmere Gate, Delhi-110006.

In continuation to the order of even number dated 07.12.2017, sanction of the **Science and Engineering Research Board** is accorded to carry forward the unspent balance of **Rs.7,79,410.30/-** from the year 2016-17 to the current financial year 2017-18 for the same purpose for which it was sanctioned.

2. The organization/institute/university should ensure that the technical support/financial assistance provided to them by the SERB, a statutory body of the DST, Government of India should invariably be highlighted / acknowledged in their media release as well as in bold letters in the opening paragraphs of their Annual Report.
3. In addition, the investigator/host institute must also acknowledge the support provided to them in all publications, patents and any other output emanating out of the project/programme funded by the SERB, a statutory body of the DST, Government of India.
4. This order has been issued with the approval of the competent authority.
5. The UC for the year 2016-17 is enclosed herewith for the information to US, SERB.

प्रहलाद राम

(प्रहलाद राम)
वैज्ञानिक-सी

Copy forwarded for information and necessary action to :-

- 1 The Under Secretary, SERB, New Delhi
- 2 Sanction Folder, SERB, New Delhi.
- 3 File Copy
- 4 Dr. (Mrs.) Ranu Gadi, D/o Basic and Applied Sciences, Indira Gandhi Delhi Technical University for Women, Kashmere Gate, Delhi-110006.
- 5 Registrar, Indira Gandhi Delhi Technical University for Women, Kashmere Gate, Delhi-110006.

प्रहलाद राम

(प्रहलाद राम)
वैज्ञानिक-सी

No. SB/S4/AS-141/2014
SCIENCE & ENGINEERING RESEARCH BOARD
(A Statutory Body of the Department of Science & Technology, Government of India)

5&5A, Lower Ground Floor,
Vasant Square Mall, Sector-B,
Pocket-5, Vasant Kunj,
New Delhi-110070.
Dated - 07.12.2017

ORDER

Sub: Financial Sanction of the research project titled "*Spatio-Temporal Variability of Aerosol over National Capital Region (NCR), India.*" –Reg.

PI: Dr. (Mrs.) Ranu Gadi, D/o Basic and Applied Sciences, Indira Gandhi Delhi Technical University for Women, Kashmere Gate, Delhi-110006

In continuation to the order of even number dated 06.10.2016, sanction of the **Science and Engineering Research Board** is accorded for extension of the project i.e. from 05.12.2017 to 04.06.2018 (ex-post-facto) with the additional grant of Rs. 3,68,000/- (Rs. 1,00,000/- under consumables and Rs. 50,000/- under contingencies along with the Rs. 2,18,000/- for continuation of the fellowship of the JRF/SRF in the project for smooth implementation of the project.

- 2. The order has been issued with the approval of the competent authority under delegated powers and vide Diary No. 934 dated 07.12.2017.
- 3. The other terms and conditions remain same.


(Dr. Rajwant)
Scientist-E

Copy forwarded for information and necessary action to :-

- 1 The Finance & Budget Officer, SERB, New Delhi.
- 2 Sanction Folder, SERB , New Delhi.
- 3 File Copy.
- 4 Dr. (Mrs) Ranu Gadi, D/o Basic Applied Sciences, Indira Gandhi Delhi Technical University for Women, Kashmere Gate, Delhi-110006.
- 5 The Registrar, Indira Gandhi Delhi Technical University for Women, Kashmere Gate, Delhi-110006.


(Dr. Rajwant)
Scientist-E



विज्ञान और इंजीनियरी अनुसंधान बोर्ड

(विज्ञान और प्रौद्योगिकी विभाग, भारत सरकार का एक सांविधिक निकाय)

SCIENCE & ENGINEERING RESEARCH BOARD

(A Statutory body of Department of Science and Technology, Govt. of India)

Dr. Rajwant
Scientist-E
Phone: 011-40000327
E-mail: rajwant@serb.gov.in

SB/S4/AS-141/2014

25.11.2016

Sub: Proposal entitled "Spatio- Temporal Variability of Aerosols over National Capital Region (NCR)."-reg.

Dear Dr.R. Gadi,

Kindly refer to your presentation on the above stated project proposal during 2nd Group Monitoring Workshop & 3rd PAC- Earth & Atmospheric Sciences meeting held during 30th August – 01st September 2016 at SMVD University, Katra, J&K.

The recommendation of the PAC relevant to your project is given below for your information & compliance:

"The PAC noted the progress of the project and it was advised to the PI to carry out the study by adopting Scientific methodologies rather than merely surveying and the request of the PI to purchase an additional Fine Particulate sampler, with the approximate cost of 1Lakh, has been approved within the approved total budget of the project."

Rating: 6/10

With regards,

Yours sincerely,

(Rajwant)

To
 Dr. Ranu Gadi,
 D/o Basic and Applied Sciences,
 Indira Gandhi Delhi Technical University for Women,
 Kashmere Gate, Delhi-110006

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No. SB/S4/AS-141/2014

SCIENCE & ENGINEERING RESEARCH BOARD

(A Statutory Body of the Department of Science & Technology, Government of India)

5&5A, Lower Ground Floor,
Vasant Square Mall, Sector-B,
Pocket-5, Vasant Kunj,
New Delhi-110070.

Dated 06.10.2016

ORDER

Sub: Research project entitled "*Spatio-Temporal Variability of Aerosols over National Capital Region (NCR), India.*"- Reg.

PI: Dr. (Mrs) Ranu Gadi, D/o Basic Applied Sciences, Indira Gandhi Delhi Technical University for Women, Kashmere Gate, Delhi-110006.

In continuation to the order of even number dated 10.08.2015, sanction of the SERB is accorded to the payment of Rs.6,50,000/- (Rupees Six Lakh Fifty Thousand Only) under 'grant-in-aid-recurring' to the Registrar, Indira Gandhi Delhi Technical University for Women, Delhi being the grant for the year 2016-17 as next installment of the research project.

2. Sanction of the SERB is also accorded to carry forward the unspent balance of Rs.25,63,203/- (Rs.26,15,075/- under Non-recurring head & (-) Rs.51,872/- under recurring head) from the financial year 2015-16 to current financial year 2016-17 for same purpose which it was sanctioned.

3. The expenditure involved is debitable to the **Fund for Science & Engineering Research (FSER)**. This release is being made under **PAC-Earth & Atmospheric Sciences**.

4. The Sanction has been issued with the approval of the competent authority under delegated powers and vide Diary No.SERB/F/ 4905 /2016-17 dated **05.10.2016**.

5. Sanction of the grant is subject to the conditions as detailed in Terms & Conditions available at website(www.serb.gov.in).

6. The total release amount of **Rs. 6,50,000/- (Rupees Six Lakh Fifty Thousand Only)** will be drawn by the Finance & Budget Officer of the SERB and will be disbursed by means of RTGS transaction as per their Bank details given below:


Account Name	M/S Registrar, IGDTU for women-GIA
Account Number	09001000018950
Bank Name & Branch	Punjab & Sind Bank, GGSIP Univ. Campus, Kashmere Gate, Delhi
IFSC/RTGS Code	PSIB0001098
PI Email address	ranugadi@gmail.com
Dr. Rajwant, Sci-E	rajwant@serb.gov.in

7. As per rule 211 of GFR, the accounts of project shall be open to inspection by sanctioning authority/audit whenever the institute is called upon to do so.

8. The institute will furnish to the SERB, New Delhi, Utilization certificate and an audited statement of accounts pertaining to the grant immediately after the end of each financial year.


9. The institute will maintain separate audited accounts for the project. It is found expedient to keep a part or whole of grant in a bank account earning interest. The interest earned should be reported to the SERB, New Delhi. The interest thus earned will be treated as a credit to the institute to be adjusted towards further installment of the grant.

10. As this is the next grant being released for the project, the UC for the year 2015-16 is enclosed herewith.


(Dr. Rajwant)
Scientist-E

Copy forwarded for information and necessary action to :-

- 1 The Finance & Budget Officer, SERB, New Delhi.
- 2 Sanction Folder, SERB, New Delhi.
- 3 File Copy.
- 4 Dr. (Mrs) Ranu Gadi, D/o Basic Applied Sciences, Indira Gandhi Delhi Technical University for Women, Kashmere Gate, Delhi-110006.
- 5 The Registrar, Indira Gandhi Delhi Technical University for Women, Kashmere Gate, Delhi-110006


(Dr. Rajwant)
Scientist-E

No. SB/S4/AS-141/2014
SCIENCE & ENGINEERING RESEARCH BOARD
(A Statutory Body of the Department of Science & Technology, Government of India)

5&5A, Lower Ground Floor,
Vasant Square Mall, Sector-B,
Pocket-5, Vasant Kunj,
New Delhi-110070.

Dated 10.08.2015

ORDER

Sub: Research project entitled "*Spatio-Temporal Variability of Aerosols over National Capital Region (NCR), India.*"- Reg.

PI: Dr. (Mrs) Ranu Gadi, D/o Basic Applied Sciences, Indira Gandhi Delhi Technical University for Women, Kashmere Gate, Delhi-110006.

In continuation to the order of even number dated 21.11.2014, sanction of the SERB is accorded to carry forward the unspent balance of Rs. 34,31,700/- (Rupees Thirty Four Lakh Thirty One Thousand Seven Hundred Only) from the financial year 2014-15 to the CFY 2015-16 for the same purpose for which it was sanctioned.

- 2. The UC for the year 2014-15 is enclosed herewith.



(Dr. P. Sanjeeva Rao)
Scientist-G

Copy forwarded for information and necessary action to: -

- 1 The Finance & Budget Officer, SERB, New Delhi.
- 2 Sanction Folder, SERB , New Delhi.
- 3 File Copy.
- 4 Dr. (Mrs) Ranu Gadi, D/o Basic Applied Sciences, Indira Gandhi Delhi Technical University for Women, Kashmere Gate, Delhi-110006.
- 5 The Registrar, Indira Gandhi Delhi Technical University for Women, Kashmere Gate, Delhi-110006.



(Dr. P. Sanjeeva Rao)
Scientist-G

No. SB/S4/AS-141/2014

SCIENCE & ENGINEERING RESEARCH BOARD

(A Statutory Body of the Department of Science & Technology, Government of India)

5&5A, Lower Ground Floor,
Vasant Square Mall, Sector-B,
Pocket-5, Vasant Kunj,
New Delhi-110070.

Dated 21.11.2014

ORDER

Sub: Financial Sanction of the research project titled "*Spatio-Temporal Variability of Aerosols over National Capital Region (NCR), India*"- Reg.

PI: Dr. (Mrs) Ranu Gadi, D/o Applied Sciences, Indira Gandhi Delhi Technical University for Women, Kashmere Gate, Delhi-110006.

Sanction of the Science and Engineering Research Board (SERB) is hereby accorded to the above mentioned project at a total estimated cost of Rs. 52,00,000/- (Rupees Fifty Two Lakh only) with break-up of Rs. 29,00,000/- under the Non-recurring (Capital head) and Rs. 23,00,000/- under Recurring (General head) for a duration of three years. The items of expenditure for which the total allocation of Rs. 52,00,000/- has been approved are given below:

S No	Head	Total (in Rs.)
A	Non-recurring (Capital Items)	
1.	Equipment -GC-FID-one; Fine Particulate Samplers (PM2.5)-two, Ultrasonicator-one, Rotary evaporator-one, Deep Freezer-one & Computer with accessories-one	Rs.29,00,000/-
B	Recurring Items (General)	
1.	General- A Manpower:JRF/SRF-one; Domestic travel, Consumables & Contingencies including labor charges.	Rs.20,00,000/-
2.	General- B (Overhead Charges)	Rs. 3,00,000/-
Total Cost (A+B)		Rs. 52,00,000/-

2. Sanction of the SERB is also accorded to the payment of Rs. 35,00,000/- (Rupees Thirty Five Lakh only) with break-up of Rs. 29,00,000/- (Rupees Twenty Nine Lakh Only) under 'Grants-in-aid-Non-recurring' and Rs. 6,00,000/- (Rupees Six Lakh only) under 'Grants-in-aid- Recurring' to the Registrar, Indira Gandhi Delhi Technical University for Women, Delhi being the grant for the year 2014-15 for implementation of the said research project.

Handwritten notes:
To D (Applied Sc.)
Sgt off
2014

3. The expenditure involved is debit to
Fund for Science & Engineering Research (FSER)
This release is being made under PAC- Atmospheric Sciences.

4. The Sanction has been issued with the approval of the competent authority under delegated powers and vide Diary No.SERB/F/ 6018 /2014-15 dated 19.11.2014.

5. Sanction of the grant is subject to the conditions as detailed in Terms & Conditions available at website (www.serb.gov.in).

6. Overhead expenses are meant for the host Institute towards the cost for providing infrastructural facilities and general administrative support etc. including benefits to the staff employed in the project.

While providing operational flexibility among various subheads under head I-A, it should be ensured that not more than Rs. 2.0 lakh should be spent for ic travel.

8. The total release amount of **Rs. 35,00,000/- (Rupees Thirty Five Lakh only)** will be drawn by the Finance & Budget Officer of the SERB and will be disbursed by means of RTGS transaction as per the Bank details given below:

Account Name	M/S Registrar, IGDTU for women-GIA
Account Number	09001000018950
Bank Name & Branch	Punjab & Sind Bank, GGSIP Univ. Campus, Kashmere Gate, Delhi
IFSC/MICR Code	PSIB0001098
Dr. Ranu Gadi (PI)	ranugadi@gmail.com
Dr. P Sanjeeva Rao	psrao@nic.in

9. As per rule 211 of GFR, the accounts of project shall be open to inspection by sanctioning authority/audit whenever the institute is called upon to do so.


10. The university will furnish to the SERB, New Delhi, Utilization certificate and an audited statement of accounts pertaining to the grant immediately after the end of each financial year.

11. The manpower sanctioned in the project, if any is co-terminus with the duration of the project and SERB will have no liability to meet the fellowship etc. beyond the duration of the project.

12. The university will maintain separate audited accounts for the project. It is found expedient to keep a part or whole of grant in a bank account earning interest. The interest earned should be reported to the SERB, New Delhi. The interest thus earned will be treated as a credit to the university to be adjusted towards further installment of the grant.

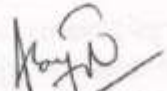
13. The sanctioned equipments would be procured as per GFR 2005 and its disposal would be done with prior approval of SERB.

14. As this is the first grant being released for the project, no previous U/C is required.


(Dr. P. Sanjeeva Rao)
Scientist-G

Copy forwarded for information and necessary action to: -

- 1 The Principal Director of Audit, A.G.C.R. Building, IIIrd Floor I.P. Estate, Delhi-110002.
- 2 The Finance & Budget Officer, SERB, New Delhi.
- 3 Sanction Folder, SERB, New Delhi.
- 4 File Copy.
- 5 Dr. (Mrs) Ranu Gadi, D/o Applied Sciences, Indira Gandhi Delhi Technical University for Women, Kashmere Gate, Delhi-110006.
- 6 The Registrar, Indira Gandhi Delhi Technical University for Women, Delhi-110006.


(Dr. P. Sanjeeva Rao)
Scientist-G

	MANIT BHOPAL	19 April 2019	SBI Internal Transfer	10,83,446	Balance amount of 3rd Installment
	MNIT JAIPUR	19 April 2019	SBI Internal Transfer	5,91,448	Balance amount of 3rd Installment
11	NIT CALICUT	19 April 2019	SBI Internal Transfer	17,68,000	Balance amount of 3rd Installment
12	NIT HAMIRPUR	19 April 2019	SBI Internal Transfer	14,86,980	Balance amount of 3rd Installment
13	NIT KURUKSHETRA	19 April 2019	SBI Internal Transfer	17,68,000	Balance amount of 3rd Installment
14	NIT ROURKELA	19 April 2019	SBI Internal Transfer	17,68,000	Balance amount of 3rd Installment
15	NIT SILCHAR	19 April 2019	SBI Internal Transfer	3,23,375	Balance amount of 3rd Installment
16	NIT TIRUCHIRAPPALLI	19 April 2019	SBI Internal Transfer	6,95,078	Balance amount of 3rd Installment
17	NIT WARANGAL	19 April 2019	SBI Internal Transfer	17,68,000	Balance amount of 3rd Installment
18	NITK SURATHKAL	19 April 2019	SBI Internal Transfer	17,68,000	Balance amount of 3rd Installment
19	SVNIT SURAT	19 April 2019	SBI Internal Transfer	9,23,656	Balance amount of 3rd Installment
20	THAPAR UNIVERSITY PATIALA	19 April 2019	SBI Internal Transfer	6,17,303	Balance amount of 3rd Installment
21	IIT (BHU) VARANASI	19 April 2019	SBI Internal Transfer	7,40,964	Balance amount of 3rd Installment
22	IIT BHUBANESWAR	19 April 2019	SBI Internal Transfer	11,00,000	Balance amount of 3rd Installment
23	IIT GANDHINAGAR	19 April 2019	SBI Internal Transfer	7,72,385	Balance amount of 3rd Installment
24	IIT JODHPUR	19 April 2019	SBI Internal Transfer	11,00,000	Balance amount of 3rd Installment
25	IIT PATNA	19 April 2019	SBI Internal Transfer	4,32,707	Balance amount of 3rd Installment
26	IIT ROPAR	19 April 2019	SBI Internal Transfer	9,14,548	Balance amount of 3rd Installment
27	CALCUTTA UNIVERSITY	19 April 2019	SBI Internal Transfer	4,32,478	Balance amount of 3rd Installment
28	IIIT ALLAHABAD	19 April 2019	SBI Internal Transfer	17,68,000	Balance amount of 3rd Installment
29	IIITDM KANCHIPURAM	19 April 2019	SBI Internal Transfer	17,68,000	Balance amount of 3rd Installment
30	NIT AGARTALA	19 April 2019	SBI Internal Transfer	17,68,000	Balance amount of 3rd Installment
31	NIT MEGHALAYA	19 April 2019	SBI Internal Transfer	17,68,000	Balance amount of 3rd Installment
32	NIT MIZORAM	19 April 2019	SBI Internal Transfer	17,68,000	Balance amount of 3rd Installment
33	NIT NAGALAND	19 April 2019	SBI Internal Transfer	16,34,058	Balance amount of 3rd Installment
34	NIT PUDDUCHERRY	19 April 2019	SBI Internal Transfer	16,20,313	Balance amount of 3rd Installment
35	NIT RAIPUR	19 April 2019	SBI Internal Transfer	17,68,000	Balance amount of 3rd Installment
36	NIT SIKKIM	19 April 2019	SBI Internal Transfer	17,68,000	Balance amount of 3rd Installment
37	NIT UTTARAKHAND	19 April 2019	SBI Internal Transfer	16,90,860	Balance amount of 3rd Installment
38	NIELIT CALICUT	19 April 2019	SBI Internal Transfer	4,48,000	Balance amount of 3rd Installment
39	IIT KHARAGPUR	18 April 2019	SBIN519106786859	19,34,000	Balance amount of 3rd Installment
40	IIT MADRAS	18 April 2019		19,27,000	The payment is bounce back. Please verify Bank Account details.
41	VNIT NAGPUR	18 April 2019		19,27,000	The payment is bounce back. Please verify Bank Account details.
42	IEST SHIBPUR	18 April 2019	SBIN719108150970	5,73,929	Balance amount of 3rd Installment
43	MNNIT ALLAHABAD	18 April 2019	SBIN719108154357	7,15,563	Balance amount of 3rd Installment
					Balance amount of 3rd Installment

	NIT DURGAPUR	18 April 2019	SBIN719108156726	17,68,000	
45	NIT SRINAGAR	18 April 2019	SBIN719108158063	20,95,597	Balance amount of 2nd Installment- 3rd Installment
46	PSGCT COIMBATORE	18 April 2019	SBIN719108159967	6,80,009	Balance amount of 3rd Installment
47	SGSITS INDORE	18 April 2019	SBIN719108161837	17,68,000	Balance amount of 3rd Installment
48	IIT MANDI	18 April 2019	SBIN719108164007	3,28,734	Balance amount of 3rd Installment
49	ABVIITM GWALIOR	18 April 2019	SBIN719108165040	14,09,881	Balance amount of 3rd Installment
50	IGDTUW DELHI	18 April 2019	SBIN719108166626	10,74,051	Balance amount of 3rd Installment
51	IIITDM JABALPUR	18 April 2019	SBIN719108168458	17,68,000	Balance amount of 3rd Installment
52	NIT GOA	18 April 2019	SBIN719108169912	13,07,864	Balance amount of 3rd Installment
53	NIT PATNA	18 April 2019	SBIN719108171777	17,68,000	Balance amount of 3rd Installment
Total				7,26,62,871	

Thanks & Regards,

PIU, SMDP-C2SD,
CSIR-Central Electronics Engineering Research Institute,
Pilani (Rajasthan),
Pin Code: 333031

33 13/C



Dr. Debashis Dutta
Scientist 'G' & GC (R&D in Electronics)
Email: dutta@deity.gov.in

भारत सरकार
GOVERNMENT OF INDIA
संचार और सूचना प्रौद्योगिकी मंत्रालय
MINISTRY OF COMMUNICATIONS AND IT
इलेक्ट्रॉनिक्स और सूचना प्रौद्योगिकी विभाग
DEPARTMENT OF ELECTRONICS AND
INFORMATION TECHNOLOGY

इलेक्ट्रॉनिक्स निकेतन ELECTRONICS NIKETAN
6, सी.जी.ओ. कॉम्प्लेक्स B.C.G.O. COMPLEX
नई दिल्ली / New Delhi-110003
Website: www.deity.gov.in

संख्या: 9(1Y)/2014-MDD
दिनांक: 04.02.2015
Tel. 24364321, Fax. 24366557

दिनांक / Dated: 04.02.2015

Subject: **Special Manpower Development Programme for Chips to System Design (SMDP-C2SD) – regarding.**

Dear Professor Prakash,

Department of Electronics & Information Technology has recently initiated Special Manpower Development Programme for Chips to System Design with the following broad objectives:

- i. Bring in a culture of System on Chip/System designing by developing working prototypes with societal applications using mostly in-house designed ASICs/ICs.
- ii. Capacity building in the area of VLSI/Microelectronics and Chip to System development i.e. to train Special manpower in the area of VLSI Design and Chips to Systems at BE/B.Tech, ME/M.Tech and PhD level.
- iii. Broaden the base of ASIC /IC designing in the country
- iv. Broaden the R&D base of Microelectronics / Chip to System through 'Networked PhD' program
- v. Promote 'Knowledge Exchange Program'
- vi. Promote protection of 'Intellectual Property' generated under the program

The program will be implemented at 60 institutions across the country.

2. Earlier, the Department had successfully implemented Special Manpower Development Programme in VLSI Design - Phase I (SMDP-I) & Phase - II (SMDP-II). The achievements of these programs are available at the website www.smdp2vlsi.gov.in/smdp2vlsi/c2s/login_c2s.jsp. The website may be accessed using **login (c2s@igdtuw)** and **password (c2s@igdtuw)** generated specifically for your institute. The present programme scales up the aims and objectives of the earlier programs, both in terms of number of institutes as well as taking up new & distinctive initiatives which will ensure growth of the value chain in VLSI and System Designing

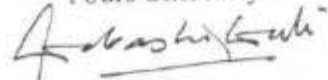
3. Under the program the 60 institutions have been put in 3 categories (as mentioned in the Memorandum of Understanding) – Resources Centre, Participating Institutions (Category – II) and Participating Institutions (Category –III). **Your Institute has been included in the programme as one of the Participating Institution (Category III).** The 'Detailed Project Report' and all the related documents of the program are available on the programme website mentioned above.
4. In this context, a tripartite Memorandum of Understanding (MoU) has to be signed between your Institute, DeitY and CEERI Pilani (which has been designated as Programme Coordination Institute to coordinate the programme on the behalf of the Department). The MoU can be downloaded from the program website. (The MoU clearly brings out the responsibilities/activities which will have to be carried out under the program by your institute. Your institute will have to carry out two main activities namely Research Oriented Developmental Work and Specialized Manpower Development / Capacity Building. In the MoU manpower indicated under the heading 'Expected Manpower Generation' likely to be generated by your institute is based on the experience of previous programmes.) However, you may wish to modify this indicating the manpower which can be generated by your institute. You may kindly note that the resources i.e. H/w, S/w, Manpower (Guest Faculty / Lab engineer/ Project Associate etc.), EDA Tools etc. to be allocated under the program to the institute would depend on the research oriented developmental work/ specialised manpower proposed to be generated under the program.
5. As Vice Chancellor of the University, you are requested to sign the MoU (every page to be signed in original including the Annexures – a total of 38 pages). The MoU signed by you (alongwith signature of witness) need to be uploaded on the programme website before 10th Feb '15. Thereafter, the MoU would be signed by CEERI, Pilani.
6. DeitY will sign the MoU, tentatively in the 2nd half of Feb 2015, in a ceremony to be presided over by a dignitary. The date and other details of the ceremony would be communicated to you shortly. We request you to be available for this ceremony through video conferencing using NKN. In this regard, you are requested to kindly send the undersigned, through e-mail (by 10th February), details like –IP address of the computer to be used for video conferencing and the name & contact no (mobile no.) of the person who would be responsible for arranging video conferencing in your institute.
7. You are also requested to kindly provide the names and other details including name of the Department, email id and contact nos. i.e. mobile, landline and fax of the faculty members who will be responsible for implementation of the programme in your Institute as Chief Investigator (One), Co-Investigator (One). Please nominate two other faculty members also. The Chief Investigator (CI) and the Co-Chief Investigator (Co-CI) should be from Electronics/Communication/Computer Science & Engineering Department where Electronics stream is being taught. This detail should be uploaded along with the MoU by 10th Feb 2015.

- 31
8. Subsequent to the signing of the MoU, your institute will be required to submit a project proposal online on the programme website by 31st April 2015. The proforma of the project proposal is also available on the program website. The proposal should clearly indicate the research oriented developmental activities to be carried out along with the specialised manpower proposed to be generated under the program (this manpower has to be in line with that indicated in the MoU). Some of the areas of research oriented developmental work to be carried out under the project have been mentioned in the DPR. However, a detailed list of the areas would also be made available on the website by 31st March '15.

You may kindly acknowledge the receipt of this letter.

With warm regards,

Yours Sincerely


(Debashis Dutta)

Prof. Nupur Prakash,
Vice Chancellor,
Indira Gandhi Delhi Technical University for Women(IGDTUW),
Administrative block,
Kashmere Gate,
New Delhi-110006, India

164/C (20)

MEMORANDUM OF UNDERSTANDING

This Memorandum of Understanding (MOU) is made on _____ 2015 between:

- a) **The President of India** acting through the Department of Electronics and Information Technology, Ministry of Communications and Information Technology, Electronics Niketan, 6, CGO Complex, New Delhi-110003. (hereinafter referred to as DeitY, which expression shall, unless excluded by or repugnant to the context, be deemed to include his successors in office and assigns) of the FIRST PART;

AND

- b) Indira Gandhi Delhi Technical University for Women
(hereinafter referred to as **Participating Institute**, which expression shall, unless excluded by or repugnant to the context, be deemed to include his successors in office and assigns) of the SECOND PART.

WHEREAS DeitY has sponsored a project entitled '*Information Security Education and Awareness (ISEA) Project (Phase-II)*' (hereinafter referred to as the ISEA Project Phase-II) under the Scheme viz. 'Digital India and Manpower Development', to be implemented by the Participating Institute over a period of 5 years.

AND WHEREAS, the objectives of the Project include:

- Capacity building in the area of Information Security to address the human resource requirement of the country.
 - Generation of core research manpower to undertake basic/fundamental research, applied research, research in the area of Product/Solution design and development and in selected thematic areas of national strategic importance to build indigenous capability.
 - Introduction of Information Security curriculum in formal courses like M.Tech./M.E./M.S., B.Tech/B.E., Post Graduate Diploma courses etc., faculty training, modular/short term knowledge oriented courses etc. through academic institutions.
 - Launching non-formal modular/short-term knowledge-cum-skill oriented courses, etc., for working professionals at all levels including the flexible certificate programs, certification scheme through NIELIT, CDAC, etc.
 - Launching formal courses on virtual mode using the NKN Network to expand the capacities.
- Training of Government personnel.
- Creation of mass information security awareness targeted towards:
 - **Academic Users:** School level - Children, Parents & Teachers, College level - Students & Faculty,
 - **General Users:** Small enterprise/Business users, SME Sector/Non IT industry, NGO's, CSCs, Cyber cafes and general public at large.
 - **Government Users:** Central/State Government employees (non IT professionals), Legal / Police professionals, etc.
- Creating a national repository of courses designed course contents and learning material, MIS about the professionals trained through this scheme, Technology Forecast and Assessment, changes in the market trends and the resultant human resource requirement etc.

Amrta L
5/11/2015

(19)

NOW THEREFORE in consideration of the premises and mutual covenants hereinafter contained, the parties hereto agree as follows:

1. DEFINITIONS

Unless otherwise stated, for the purpose of this MOU, the terms given hereunder shall have the following meanings:

- (i) **Annexure:** Any annexure to this MOU as enumerated and cross-referenced in these articles.
- (ii) **Articles:** Any Clause of this MOU or partial clause with separate marginal number as referred to anywhere in the workings of this MOU or its Annexures.
- (iii) **DeitY:** Department of Electronics and Information Technology, Government of India having its office at 6, CGO Complex, New Delhi - 110003.
- (iv) **GIA:** Grants-in-Aid.
- (v) **ISRDC:** Information Security Research & Development Centre
- (vi) **RC:** Resource Centre
- (vii) **PI:** Participating Institute
- (viii) **IPR:** Shall mean all rights, benefits, title or interest in or to any Intellectual Property (whether registered or not and including all applications for the same).
- (ix) **IR:** Internal Revenue.
- (x) **Party/Parties** means DeitY or/and Participating Institute
- (xi) **Project:** Information Security Education & Awareness (ISEA) Project (Phase-II)

2. SCOPE OF MEMORANDUM OF UNDERSTANDING

The Articles 1 to 18 and Annexure I to IV to this MOU form an integral part of the MOU between the parties. The terms herein referred in the MOU and Annexures shall be binding on the parties. The MOU together with the Annexures indicates the responsibilities and obligations of the parties to this MOU including terms and conditions, financial arrangement, intellectual property rights, monitoring mechanism etc. of the Project.

3. AREA OF COVERAGE/ TARGET BENEFICIARIES OF PROJECT

- (a) **Academic Activities:** 1,14,038 persons to be trained under formal and nonformal courses, faculty training etc. In addition, about 400 Paper publications are expected from ISRDCs, RCs and PIs. (Details at Annexure-I)
- (b) **Training of Government personnel:** 13,170 officials in five years.
- (c) **Creation of mass information security awareness targeted towards:** Academic users, Government users and General users: approximately 3 crore Internet users in five years through direct and indirect mode.

4. IMPLEMENTATION STRUCTURE OF THE PROJECT

4.1 The implementation of the project would be carried out through the following:

- (a) Fifty one (51) Institutions for academic activities -
 - Information Security Research and Development Centres (ISRDC) (4);
 - Resource Centers (RCs) (7);
 - Participating Institutes (PIs) (40).
 - A mechanism of creating a cluster of RC with PIs would be created for academic handholding. Each cluster will have an RC attached with a group of upto 6 PIs, taking into account their geographic proximity.

Atch 12 /
6/11/2011

- 158
- (b) Sixteen (16) Implementing Agencies for training of Government personnel with one coordinating agency (NIELIT Centre Gorakhpur);
 - (c) Awareness programs through Implementing Agencies, Pls, RCs, etc., with one coordinating agency (C-DAC Hyderabad).
 - (d) A Project Management Unit (PMU) will be set up at C-DAC, Hyderabad for implementation and management of various activities under the project.

5. RESPONSIBILITIES OF DeitY, PARTICIPATING INSTITUTE

5.1 Responsibilities of DeitY

- (i) To set up and organize meetings of the National Apex Committee for taking policy level decisions, finalise various norms, etc.
- (ii) To ensure time-bound implementation of the Project, set up and organize meetings (from time to time) of Project Review and Steering Group (PRSG), Academic & Research Advisory Committee, Coordination Committee for Government Official training and Action Group for Information Security Awareness.
- (iii) To provide necessary funds for the implementation of the project based on recommendation of the PRSG, and/or assessment by DeitY and as approved by DeitY.
- (iv) To assist in expediting issues related to the progress of this Project, coordination with the relevant Govt. departments/ organisations/ institutions and other agencies concerned.
- (v) To take up any other issues and aspects related to the Project.

5.2 Responsibilities of Participating Institute

- (i) Offer B.Tech & M.Tech in Electrical / Electronics / Communication/ Computers disciplines with suitably fitted with Information Security courses
- (ii) Offer M.Tech in Information Security, M.Tech in secure systems engineering for professionals (on-line mode)
- (iii) Offer two-semester diploma or one-semester certificate course in Information security
- (iv) Offer One/two-week short-term training programme in information Security. There will be a number of such programmes which could be offered by PIs depending on the requirement of the professionals.
- (v) To Run PhD program in Information Security with guidance from RC/ISRDC
- (vi) The special category PIs (Category IV PIs 5 in No) with suitable handholding with ISRDC/RC, spread Information Security courses with in their colleges/schools and also in their affiliated engineering colleges.
- (vii) The Special Category PI would conduct faculty training program for their affiliated colleges and also facilitate / ensure introduction of Information Security curriculum in B.Tech/M.Tech courses in the affiliated colleges.
- (viii) Suitable Information system would be put in place in all the RCs & PIs to track the students who had been trained under this program. The alumni corner to track the students who have undergone academic courses could be done through common ISEA website.

(The details are at Annexure-II)

6. FINANCIAL DETAILS:

- 6.1 The Budget outlay of the ISEA Phase-II Project is Rs.96.08 crore (approx.) as Grant-in-aid from DeitY spread over a period of five years. The relevant details are as per

Attn: L.
6/11/2012

Administrative Approval No. 12/2012-ISEA (Vol. II) dated 19.3.2014 as per
from line to line. The Budget Outline for Participating Institute is at Annexure-BI.
The Grants-in-Aid will be regulated in accordance with the provisions contained
Chapter 9 of the General Financial Rules, 2005, as amended from time to time, and
with the Government of India's decisions incorporated there-under, and any other
guidelines which may be issued in this regard. The Participating Institute would also
be governed by the standard Terms & Conditions of Grants-in-Aid of Deity
(Annexure-IV). All financial transactions will be subject to the requirements of the
Fiscal Responsibility & Budget Management Act.

6.2

7. APPOINTMENT OF CHIEF INVESTIGATOR & CO-CHIEF INVESTIGATOR

To ensure the successful implementation of the Project, the Participating Institute will
appoint a Chief Investigator and a Co-Chief Investigator for the Project. The Chief
Investigator will have the overall responsibility of the implementation of the Project.
During the period the Chief Investigator is not available, the Co-Chief Investigator
will perform the duties of the Chief Investigator. The Chief and Co-Chief
Investigator of the Project will not be changed as far as possible during the
course of the Project.

8. DURATION OF THE PROJECT

The project duration is five years w.e.f. 1.4.2014. Any need for its extension, if
essential, will be reviewed by the PRSG for its further consideration and approval by
Deity. However, it would be the endeavor of both parties to this MOU to complete the
Project within the stipulated period. Deity will not bear any expenditure towards
recurring, upgrade or maintenance expenses after the completion of the Project.

9. COMPLETION OF PROJECT

The Project shall be deemed to have been successfully completed when Participating
Institute achieves the desired objectives of the Project as brought out in this MOU.
The Participating Institute will submit a Project Completion Report within one month
of the completion of the project.

10. INTELLECTUAL PROPERTY RIGHTS (IPR'S)

Participating Institute shall make all efforts to protect Intellectual Property generated
out of the Project. They will first examine IPR protection issues in consultation with
IPR Cell, Deity to file patents, register copyrights, designs, trademarks etc., before
making it public by publishing in the technical journals and books, presenting findings
in conferences etc.

Intellectual Property and the rights associated with it shall be assigned jointly to Deity
and Participating Institute. In cases where funding has been done jointly with other
organisations, the IPR Rights would be appropriately shared.

11. CONFIDENTIALITY

Participating Institute undertakes on its behalf and on behalf of its subcontractors/
employees to maintain strict confidentiality of the Project including, but without
limitation to, the R&D work and know-how generated and prevent disclosure thereof,

Approved
Chief Investigator

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for any purpose, other than in accordance with this MOU. Deity, in turn, will also ensure confidentiality as required for the Project. The provisions of this clause will apply to this MOU.

12. UTILIZATION OF TECHNOLOGY GENERATED UNDER THE PROJECT

The Participating Institute will have the right to distribute Awareness Material, Learning Material developed or other IP's generated through the project for use by others. However, this arrangement is subject to the terms and conditions of grant-in-aid procured by Deity. The Participating Institute will also inform Deity about such an arrangement.

13. FORCE MAJEURE

Neither party shall be held responsible for non-fulfillment of their respective obligations under this MOU due to the exigency of one or more of the force majeure events such as, but not limited to, Acts of God, war, flood, earthquakes, strike, lock-outs, epidemics, riots, civil commotion etc., provided on the occurrence and in execution of any such event, the party affected thereby shall give a notice in writing to the other party immediately after but not later than the month of such occurrence and occupation. The period between the occurrence and cessation of such event will be calculated while calculating the period during which the party has to perform his obligations under this MOU. If the force majeure conditions continue beyond six months, the parties shall then mutually decide about the future course of action.

14. TERMINATION OF THE PROJECT

Deity will have the right to terminate the MOU based on recommendation of the PRSG at any stage if it is satisfied that:

- (a) the resources released has not been properly utilized, or
 - (b) appropriate progress on the Project is not being made, or
 - (c) the Project is not being carried out as per the terms and conditions and/or as per the nature and scope of work as defined in the approved Project proposal.
- (ii) If Participating Institute faces difficulties in implementing the Project for any technical, economic and reasons other than the above, based on the recommendations of the PRSG and as directed by Deity, Participating Institute shall pay back all unspent Deity grants released and Hardware & Software supplied for the Project and interest accrued thereon and/or any amounts recoverable by way of disposal of assets procured out of Deity funds.
- (iii) If Participating Institute abandons the Project on their own without approval of Deity, then Deity will have the right to recover from Participating Institute the money disbursed and Hardware/Software procured for the Project alongwith 12% simple interest.

15. SAVING PROVISIONS

The Participating Institute agrees to disclose and provide Deity or its authorized representative or agency, such disclosure, the know-how, the related process and the intellectual property rights to use and practice, the same for the purpose of experimentation and/or further research or development thereof, with the right to manufacture, sell and vend the "Products" in such a manner as Government of India

Date: 21/11/2015

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may, in its judgment decide, for "Governmental purposes" or otherwise in the interest. DAILY may cooperate Participating Institute for such cooperation/explicitation of the know-how, process and related IPB. Decision of Secretary, DAILY in regard to such cooperation shall be final.

16. VALIDITY

The duration of this MOU will be for a period of five years w.e.f. date of Administrative Approval or till completion of the Project, whichever is less. Any matter not covered specifically in the MOU may be sorted by mutual agreement. On point of disagreement, the matter may be referred to Secretary, DAILY for decision, which shall be final and binding on both the parties.

17. MODIFICATIONS TO THE MEMORANDUM OF UNDERSTANDING

The MOU can be modified through mutual written consent of all the parties to this MOU.

18. SEAL OF PARTIES

In witness whereof the parties hereto have signed this MEMORANDUM OF UNDERSTANDING on the day, month and year mentioned herein before.



[For and on behalf of the President of India]
Department of Electronics and Information Technology
Ministry of Communications and Information Technology
Government of India
Electronics Niketan
& CGO Complex
New Delhi - 110003.

Prof. A.K. Sengupta
HOD (IT), Dept of IT
Indira Gandhi Delh. Technol. Univ.
Kasturba Gate Delhi - 110016

IN THE PRESENCE OF WITNESSES

Signature: *Amitkumar*
Name: Dr A.K. Mishra
Occupation: Associate Prof. Dept of IT
Address: Indira Gandhi Delhi Techn. Un.
Kasturba Gate
Delhi - 110016

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Annexure-II

Information Security Education and Awareness (ISEA) Project (Phase-II)

Structure and Functions of Participating Institutes

Based on the experience gained during implementation of the ISEA Project, it is proposed to scale up Central & Non-Central courses and faculty updation programmes in the area of Information Security at various levels. This would mainly include B.Tech., M.Tech., Doctoral/Post-Doctoral, Short-Term Specialized/Modular Courses, etc. This is proposed to be achieved through a two-tier infrastructure comprising of Regions of Centers (RCs) and Participating Institutes (PIs). The structure & functions – setting up of RCs & PIs, formal program and short-term course to be offered by RCs/PIs, faculty training aspects, targets and approach to syllabus revision are presented in the succeeding section.

Setting up of Participating Institutes (PIs)

Participating Institutes (PIs)

It is proposed to have three categories of PIs:

- (i) 25 Institutes (to include remaining PIs of Phases-I, NITs, State Universities/R&D Labs/Engineering Institutes etc)
- (ii) 12 Centers of CDAC & NIELIT, and
- (iii) Special category PIs, (i) Technical Universities, National Institutes of Technical Teachers Training and Research (NITTTRs), etc.

In totally 41 PIs would be chosen to participate in the Phase-II.

The first category covering 23 PIs would introduce Information Security Curriculum at B.Tech and M.Tech Levels. Some of these (Type-I) would be groomed to launch new course in B.Tech in Information Security / Integrated B.Tech / M.Tech (IS/IS) While the others (Type-II) will carry out retrofitting of their existing B.Tech/M.Tech courses with Information Security courses.

The second category of 12 PIs from CDAC and NIELIT centres (Type-III) have been proposed to carry out 6-Months or 1-yr PG Diploma, Short-term practical/hands-on oriented training programme for the System Administrators/Professionals, Certification of Professionals, etc. Also they would be involved in Government Official Training as envisaged in the project.

Special category PIs (Type-IV): The third category i.e. 05 Technical Universities in Super TUs as PIs has been added to broaden the reach of the Phase-II to a large category of students who are enrolled through various colleges affiliated to these Universities. These universities with suitable hand holding by ISDC/RCs are expected to spread the Information Security courses not only in their own units but also to their affiliated engineering colleges.

These PIs would be conducting faculty development training programmes for their affiliated engineering colleges and other colleges in their region. These colleges can then in turn introduce Information Security curriculum in their B.Tech, and M.Tech. courses. This would also provide the opportunity to the affiliated engineering colleges to have access/exposure to the research aspects, which are obtaining in the ISDC's/RCs. This would also provide an

LIST OF ANNEXURES

Overall Assessment Outcomes - Delly erisks (ISHDE-AC/PS) under the Project - Summary

Annexure I

The details on Participating Institute

Annexure II

Budget Detail and deliverables as Participating Institute

Annexure III

Terms and Conditions of Grant-in-Aid of Delhi

Annexure IV

Review in the
to Summary
Quality Design

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	Paper Presentation [upto Rs. 40,000 per candidate]	0.40	0.40	0.40	0.40	0.40	
	Overheads (incl. Placement Assistance) @ 15%	0.06	0.06	0.06	0.06	0.06	
	Sub-Total	0.46	0.46	0.46	0.46	0.46	
	GRAND TOTAL (A+B(b))	36.06	6.06	6.06	11.06	6.06	65.30
	Category-2 (Type III: 12 Pls - CDAC/NIELIT Centres)						
	6-Month Certificate/ Diploma / 1-Yr PG Diploma [by 25 Pls] (No direct funding)	0.00	0.00	0.00	0.00	0.00	0.00
	Certification in IS (three levels jointly by NIELIT & CDAC) (No direct funding)	0.00	0.00	0.00	0.00	0.00	0.00
	One/two week Modular courses (No direct funding)	0.00	0.00	0.00	0.00	0.00	0.00
	Paper Presentation [upto Rs. 40,000 per candidate]	0.40	0.40	0.40	0.40	0.40	2.00
	Overheads (incl. Placement Assistance) @ 15%	0.06	0.06	0.06	0.06	0.06	0.30
	Sub-Total	0.46	0.46	0.46	0.46	0.46	2.30
	GRAND TOTAL (A+B(c))	36.06	6.06	6.06	11.06	6.06	65.30
	Particulars	Year 1	Year 2	Year 3	Year 4	Year 5	Total
	Category-3 (Type IV: 5 Pls - Tech. Univ.)						
	M Tech (Retrofit/Thesis in IS) (No direct funding)	0.00	0.00	0.00	0.00	0.00	0.00
	B Tech (Retrofit) [To be offered by 25 affiliated colleges] (No direct funding)	0.00	0.00	0.00	0.00	0.00	0.00
	Faculty Training Programme [Rs. 20,000 per candidate]	0.00	10.00	10.00	10.00	10.00	40.00
	Paper Presentation [upto Rs. 40,000 per candidate]	0.40	0.40	0.40	0.40	0.40	2.00
	Overheads (incl. Placement Assistance) @ 15%	0.06	1.56	1.56	1.56	1.56	6.30
	Sub-Total	0.46	11.96	11.96	11.96	11.96	48.30
	GRAND TOTAL (A+B(d))	36.06	17.56	17.56	22.56	17.56	111.30
	Outcomes/Deliverables	Year 1	Year 2	Year 3	Year 4	Year 5	Total
	Category-1 (Type-I: 12 Pls)						
	New M.Tech. (IS)/M.Tech. (CS with specialisation in IS)	0	0	18	18	18	54
	Integrated B.Tech / M.Tech in (IS / CS)	0	0	30	30	30	90
	M Tech (Retrofit/Thesis in IS)	0	45	45	45	45	180
	B Tech (Retrofit)	0	180	180	180	180	720
	One/two week Modular courses	50	50	50	50	50	250
	Sub-Total (Manpower)	50	275	323	323	323	1294
	Paper Presentation	1	1	1	1	1	5
	Total	51	276	324	324	324	1299
	Category-1 (Type II: 11 Pls)						
	New M.Tech. (IS)/M.Tech. (CS with specialisation in IS)	0	0	0	0	0	0
	Integrated B.Tech / M.Tech in (IS / CS)	0	0	0	0	0	0

3	M Tech (Retrofit/Thesis in IS)	
4	B Tech (Retrofit)	
5	One/two week Modular courses	
	Sub-Total (Manpower)	
6	Paper Presentation	
	Total	
(c)	Category-2 (Type III)	
	CDAC/NIELIT Centres	
1	6-Month Certificate	
2	1-Yr PG Diploma	
3	Certification in IS jointly by NIELIT & CDAC	
4	One/two week Modular courses	
	Sub-Total	
	Paper Presentation	
	Total	
(d)	Category-3 (Type IV)	
	Tech. Univ.	
	M Tech (Retrofit/Thesis in IS)	
	B Tech (Retrofit)	
	Faculty Training Programme	
	Paper Presentation	
	Overheads (incl. Placement Assistance)	
	Sub-Total	
	Total	

3	M Tech (Retrofit/Thesis in IS)	0	45	45	45	45	180
4	B Tech (Retrofit)	0	180	180	180	180	720
5	One/two week Modular courses	50	50	50	50	50	250
	<i>Sub-Total (Manpower)</i>	50	275	275	275	275	1150
6	Paper Presentation	1	1	1	1	1	5
	Total	51	276	276	276	276	1155
(c) Category-2 (Type III: 12 PIs - CDAC/NIELIT Centres)							
1	6-Month Certificate/ Diploma /1-Yr PG Diploma	30	30	30	30	30	150
2	Certification in IS (three levels jointly by NIELIT & CDAC)	300	300	300	300	300	1500
3	One/two week Modular courses	100	100	100	100	100	500
	<i>Sub-Total (Manpower)</i>	430	430	430	430	430	2150
4	Paper Presentation	1	1	1	1	1	5
	Total	431	431	431	431	431	2155
(d) Category-3 (Type IV: 5 PIs - Tech. Univ.)							
1	M Tech (Retrofit/Thesis in IS) (No direct funding)	0	18	18	18	18	72
2	B Tech (Retrofit) [To be offered by 25 affiliated colleges] (No direct funding)	0	2250	2250	2250	2250	9000
3	Faculty Training (one week course) [To be offered for their affiliated colleges, others]	0	50	50	50	50	200
	<i>Sub-Total (Manpower)</i>	0	2318	2318	2318	2318	9272
4	Paper Presentation	1	1	1	1	1	5
	Total	1	2319	2319	2319	2319	9277

Assumptions:

1. The core funding would be required for encouraging the institutions to build new capabilities in this area and create an environment for capacity building as a participating institution
2. The Core Grant would be directly linked with the total outcomes/deliverables and the fund release for 2nd year onwards would be in proportion to the outcome achieved in the previous year
3. Funding support for Ph.D is not provided
4. The fund for faculty training are based on 'Summer School for Teachers in Technical Institutions during 2008-09' by AICTE with additionality of inflation, etc.
5. In addition to above, funds would also be available in the general pool for the following additional activities:
 - (i) Organizing National/International Conference/Workshop
 - (ii) International / Bilateral / Multilateral Cooperation (depending on proposals)

FILE NO. EEQ/2016/000616
SCIENCE & ENGINEERING RESEARCH BOARD(SERB)
(a statutory body of the Department of Science & Technology, government of India)

5 & 5A, Lower Ground Floor
Vasant Square Mall
Plot No. A, Community Centre
Sector-B, Pocket-5, Vasant Kunj
New Delhi-110070

Dated: 08-Mar-2017

ORDER

Subject: Financial Sanction of the research project titled "FABRICATION AND APPLICATION OF POLYMERIC NANOSHOTS AS DRUG DELIVERY AGENT FOR CANCER IMAGING AND THERAPY" under the guidance of Dr. Bhavani Prasadnaik Nenavathu, applied sciences and humanities, Indira Gandhi Delhi Technological University for Women, Inter state bus terminal, kashmere gate, near kashmere gate metro station, New delhi, Delhi-110006 - Release of 1st grant.

Sanction of Science and Engineering Research Board (SERB) is hereby accorded to the above mentioned project at a total cost of Rs. 2566000/- (Rs. Twenty Five Lakh Sixty Six Thousand Only) with break-up of Rs. 500000/- under Capital (Non-recurring) head and Rs. 2066000/- under General (Recurring) head for a duration of Three years. The items of expenditure for which the total allocation of Rs. 2566000/- has been approved are given below:
The following budget may be considered for Indira Gandhi Delhi Technological University For Women, Inter State Bus Terminal, Kashmere Gate, Near Kashmere Gate Metro Station

S. No	Head	Total (in Rs.)
A	Non-recurring	500000
1	Equipment -> Oil Bath 1L -> Ultrasonicator 5L -> Magnetic Stirrer with hot plate -> Computer, printer/ scanner and UPS -> Vortex shaker -> Autoclave -> Centrifuge -> Tubular Furnace -> Incubator Shaker -> Laminar Air Flow Chamber	
A'	Total (Non-Recurring)	500000
B	Recurring Items	1836000
1	Recurring - A : (Manpower, Consumables, Travel, Contingencies)	
2	Recurring- B : (Overhead Charges)	230000
B'	Total (Recurring)	2066000
C	Total cost of the project (A + B')	2566000

2. Sanction of the SERB is also accorded to the payment of
 - Rs. 500000/- (Rupees Five Lakh only) under 'Grants for creation of capital assets' and Rs. 700000/- (Rupees Seven Lakh only) under 'Grants-in-aid General' to vice chancellor, Indira Gandhi Delhi Technological University For Women, Inter State Bus Terminal, Kashmere Gate, Near Kashmere Gate Metro Station being the first installment of the grant for the year 2016-2017 for implementation of the said research project.
3. The expenditure involved is debit to Fund for Science & Engineering Research (FSER). This release is being made under Empowerment and Equity Opportunities for Excellence in Science. (Task force Committee) (ST)
4. The Sanction has been issued to Indira Gandhi Delhi Technological University For Women, Inter State Bus Terminal, Kashmere Gate, Near Kashmere Gate Metro Station with the approval of the competent authority under delegated powers on 03 March, 2017 and vide Diary No. SERB/F/9163/2016-17 dated 08 March, 2017
5. Sanction of the grant is subject to the conditions as detailed in Terms & Conditions available at website (www.serb.gov.in).
6. Overhead expenses are meant for the host Institute towards the cost for providing infrastructural facilities and general administrative support etc. including benefits to the staff employed in the project.
7. While providing operational flexibility among various subheads under head Recurring-A, it should be ensured that not more than Rs. 1.5 lakh each should be spent for travel and contingency.
8. As per rule 211 of GFR, the accounts of project shall be open to inspection by sanctioning authority/audit whenever the institute is called upon to do so.

9. The sanctioned equipment would be procured as per GFR and its disposal of the same would be done with prior approval of SERB.

10. The release amount of Rs. 1200000/- (Rupees Twelve Lakh only) will be drawn by the Finance & Budget Officer of the SERB and will be disbursed by means of RTGS transaction as per their Bank details given below:

Account Name	REGISTRAR IGDTU FOR WOMEN GIA SALARY-SB ACCOUNT
Account Number	09001000018950
Bank Name & Branch	punjab and sind bank Kashmeregata branch, New Delhi GGSIP University, Kashmeregata branch -110006
IFSC/RTGS Code	PSIB0001098
Email id of A/C Holder	registrar@igdtuw.ac.in
Email id of PI	nenavathbhavani@gmail.com

11. The institute will furnish to the SERB, New Delhi, separate Utilization certificate(UCs) financial year wise to the SERB for Recurring (Grants-in-aid General) & Non-Recurring (Grants for creation of capital assets) and an audited statement of accounts pertaining to the grant immediately after the end of each financial year.

12. The institute will maintain separate audited accounts for the project. A part or whole of the grant must be kept in an interest earning bank account which is to be reported to SERB. The interest thus earned will be treated as credit to the institute to be adjusted towards further installment of the grant.

13. The project File no. EEQ/2016/000616 may also be mentioned in all research communications arising from the above project with due acknowledgement of SERB.

14. The manpower sanctioned in the project, if any is co-terminus with the duration of the project and SERB will have no liability to meet the fellowship and salary of supporting staff if any, beyond the duration of the project.

15. As this is the first grant being released for the project, no previous U/C is required.

16. The institute may refund any unspent balance to SERB by means of a Demand Draft favoring "FUND FOR SCIENCE AND ENGINEERING RESEARCH" payable at New Delhi.

17. The organization/institute/university should ensure that the technical support/financial assistance provided to them by the Science & Engineering Research Board, a statutory body of the Department of Science & Technology (DST), Government of India should invariably be highlighted/ acknowledged in their media releases as well as in bold letters in the opening paragraphs of their Annual Report.

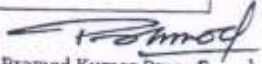
18. In addition, the investigator/host institute must also acknowledge the support provided to them in all publications, patents and any other output emanating out of the project/program funded by the Science & Engineering Research Board, a statutory body of Department of Science & Technology (DST), Government of India.


(Dr. Pramod Kumar Prasad)
Scientist C
pk.prasad@serb.gov.in

To,
Finance & Budget Officer
SERB, New Delhi

Copy forwarded for information and necessary action to :-

1.	The Principal Director of Audit, A.G.C.R. Building, IIIrd Floor I.P. Estate, Delhi-110002
2.	Sanction Folder, SERB, New Delhi.
3.	File Copy
4.	Dr. Bhavani Prasadnaik Nenavathu applied sciences and humanities Indira Gandhi Delhi Technological University for Women, Inter state bus terminal, kashmere gate, near kashmere gate metro station, New delhi, Delhi-110006 Email: nenavathbhavani@gmail.com Mobile: 918826629331 (Start date of the project may be intimated by name to the undersigned. For guidance, terms & Conditions etc. Please visit www.serb.gov.in .)
5.	vice chancellor, Indira Gandhi Delhi Technological University For Women, Inter State Bus Terminal, Kashmere Gate, Near Kashmere Gate Metro Station (Receipt of Grant may be intimated by name to the undersigned)


(Dr. Pramod Kumar Prasad)
Scientist C
pk.prasad@serb.gov.in

No.SR/CURIE/01/2017(G)
Government of India
Ministry of Science & Technology
Department of Science & Technology

Technology Bhavan
New Mehrauli Road
New Delhi-110 016
Dated 17.04.2018

ORDER

Sub: Financial approval of the project under Consolidation of University Research for Innovation and Excellence in Women Universities (CURIE) entitled "Core Support to Indira Gandhi Delhi Technical University for Women, Delhi under CURIE"

PI: Prof. Nupur Prakash, Vice-Chancellor, Indira Gandhi Delhi Technical University for Women, New Delhi-110006.

Sanction of the President is hereby accorded to the above mentioned project at a total cost of ₹3,63,00,000/- (Rupees Three Crore Sixty Three Lakh only) with a break up ₹ 2,50,00,000/- under 'Capital Head' and ₹ 1,13,00,000/- under 'General Head' for a duration of three years. The items of expenditure for which the total allocation of ₹ 3,63,00,000/- has been approved for three years are given below:

S.No	Heads	(Rupees in Lakh)			
		1 st Year	2 nd Year	3 rd Year	Total
A.	Non-Recurring (Capital Items)				
	Equipment-(FT-IR, Table Top SEM, HPD-Helidion, Thermal Imaging Camera, 3D Printer for Advanced Modeling, Digital Plant Canopy Imager, Robotics Training Cell, Pneumatic-Electro Pneumatic Training Kit, Pin-on-disc Tribo Tester, Diesel Smoke Meter, 4 Stroke Multi Fuel Engine, Exhaust Gas Analyser, Sensor, Image & Signal Processing Package, Various Software)	200.00	50.00	----	250.00
B.	Recurring (General)				
	Consumables	5.00	5.00	5.00	15.00
	Research & Infrastructure Facility	6.00	6.00	6.00	18.00
	Networking & Computational Facilities	15.00	15.00	10.00	40.00
	Maintenance of Equipment	-	2.00	2.00	4.00
	Travel and Contingency	3.00	3.00	3.00	9.00
	Conferences/ Workshops/Seminars	4.00	4.00	4.00	12.00
C.	Overhead	5.00	5.00	5.00	15.00
D.	Total of Recurring Grant (B+C)	38.00	40.00	35.00	113.00
E.	GRAND TOTAL (A+D)	238.00	90.00	35.00	363.00

2. Overhead expenses are meant for the host institute towards the cost for providing infrastructure Facilities and benefits to the staff engaged in the project, etc.

3. Sanction of the grant is subject to the conditions as detailed in website www.dst.gov.in.

4. Sanction of the President is accorded to the payment of ₹38,00,000/- (Rupees Thirty Eight Lakh only) under 'Grant-in-aid General' to the Registrar, Indira Gandhi Delhi Technical University for Women, New Delhi-110006 being first installment of grant for the year 2018-2019 for implementation of the said project.

5. The grantee organization will maintain separate audited account for the project and the entire amount of grant will be kept in an interest bearing bank account. For Grants released during F/Y 2017-2018 and onwards interest and other earnings, against released Grant shall be remitted to Consolidated Fund of India, immediately after finalization of accounts, as it shall not be adjusted towards future release of Grant. A certificate to this effect shall have to be submitted along with statement of expenditure/utilization certificate for considering subsequent release of grant/closure of project account.

6. This sanction is subject to the condition that the grantee organization will furnish to the Department of Science & technology, financial year wise Utilization Certificate (UC) in the proforma prescribed as per GFR 2017 and audited statement of expenditure (SE) along with up to date progress report at the end of each financial year duly reflecting the interest earned / accrued on the grants received under the project. This is also subject to the condition of submission of the final statement of expenditure, utilization certificate and project completion report within one year from the scheduled date of completion of the project.

7. The grantee organization will have to enter & upload the Utilization Certificate in the PFMS portal besides sending it in physical form to this Division. The subsequent/final installment will be released only after confirmation of the acceptance of the UC by the Division and entry of previous Utilization Certificate in the PFMS.

8. If the grant has been released under capital head through separate sanction order under the same project for purchase of equipment(s), separate SE/UC has to be furnished for the released Capital head grant.

9. The grant-in-aid being released is subject to the condition that.

(a) A transparent procurement procedure in line with the Provisions of General Financial Rules 2017 will be followed by the Institute/ Organization under the appropriate rules of the grantee organization while procuring capital assets sanctioned for the above mentioned project and a certificate to this effect will be submitted by the Grantee organization immediately on receipt of the grant.

(b) While submitting Utilization Certificate/Statement of Expenditure, the organization has to ensure submission of supporting documentary evidences with regard to purchase of equipment/capital assets as per the provisions of GFR 2017. Subsequent release of grant under the project shall be considered only on receipt of the said document.

10. DST reserves sole rights on the assets created out of grants. Assets acquired wholly or substantially out of government grants (except those declared as obsolete and unserviceable or condemned in accordance with the procedure laid down in GFR 2017), shall not be disposed of without obtaining the prior approval of DST.

11. The account of the grantee organization shall be open to inspection by the sanctioning authority and audit (both by C & AG of India and Internal Audit by the Principal Accounts Office of the DST), whenever the organization is called upon to do so, as laid down under Rule 236(1) of General Financial Rules 2017.

12. Principal Investigator (PI) is directed to acknowledge "research grant" in all publications emerging out of this particular project. For example, "Authors acknowledge Department of Science and Technology, Government of India for financial support vide Reference No. under DST-CURIE to carry out this work."

13. Failure to comply with the terms and conditions of the Bond will entail full refund with interest in terms of Rule 231 (2) of GFR 2017.

14. The expenditure involved is debit to Demand No.84, Department of Science & Technology for the year 2018-19:


3425 Other Scientific Research (Major Head)
60 Others (Sub-Major Head)
60.200 Assistance to other Scientific Bodies (Minor Head)
68 Science and Technology Institutional and Human Capacity Building (Sub Head)
01 Disha Programme for Women in Science
68.01.31 **Grants-in-aid General for the year 2018-2019 (Voted)**
(Previous: Disha Programme for Women in Science 3425.60.200.55.01.31)

15. The amount of **₹38,00,000/- (Rupees Thirty Eight Lakh only)** as recurring grant will be drawn by the Drawing and Disbursing Officer of the Department of Science & Technology and will be disbursed to the **Registrar, Indira Gandhi Delhi Technical University for Women, New Delhi-110006** by means of electronic transfer as per the details given below:

Institute Name	: Indira Gandhi Delhi Technical University for Women
Bank name	: Punjab & Sindh Bank
Account No.	: 09001000018950
Branch	: IGDTUW Campus, Kashmiri Gate
IFSC Code	: PSIB0001098

16. As per Rule 234 of GFR 2017, this sanction has been entered at S. No.44 in the register of grants maintained in the **KIRAN Division**.

17. This issues with the concurrence of IFD Vide their Concurrence Dy.No/99/2018-19 dated 17.04.2018.


(Vandana Singh)
Scientist-D

Copy forwarded for information and necessary action to:-

1. The Director of Audit (CW & M-II), AGCR Building, IP Estate, New Delhi-110 002.
2. Copy with two spare copies of the sanction to the DDO, DST Cash Section.
3. The Registrar, Indira Gandhi Delhi Technical University for Women, Kashmiri Gate, New Delhi-110006.
4. Prof. Nupur Prakash, Vice-Chancellor, Indira Gandhi Delhi Technical University for Women, Kashmiri Gate, New Delhi-110006.
5. Dr Ranu Gadi, Department of Applied Science & Humanities, Indira Gandhi Delhi Technical University for Women, Kashmiri Gate, New Delhi-110006
6. Pay and Account Section, DST, New Delhi
7. IFD, DST, New Delhi.
8. Sanction Folder.



(Vandana Singh)
Scientist-D

Government of India
Ministry of Science & Technology
Department of Science & Technology
KIRAN DIVISION

Technology Bhawan
New Mehrauli Road
New Delhi-110016
Dated 17.04.2018

ORDER

Sub: Financial approval of the project under Women Scientist Scheme A (WOS-A) entitled "Design and development of modular total joint prosthesis for tempo mandibular joint reconstruction in patients suffering with end stage tm disorders."

PI: Ms Mehiak Sharma, Department of Mechanical and Automation Engineering, Indira Gandhi Delhi Technical University for Women, Kashmere Gate, New Delhi-110006

Sanction of the President is hereby accorded to the approval of the above mentioned project at a total cost of **Rs 21,50,000/-** (Rupees Twenty One Lakh Fifty Thousand only) for a duration of 3 years. The detailed breakup of the grant for General (**Rs 18,50,000/-**) as well as Capital (**Rs 3,00,000/-**) Components are given below:

Sl. No.	Heads	1 st Year	2 nd Year	3 rd Year	Total
A.	Non-Recurring (Capital Items)				
	Equipments TMJ Prosthesis	3,00,000/-	-----	-----	3,00,000/-
B.	Recurring(General)				
	Fellowship for M.Tech@ Rs 40,000/-	4,80,000/-	4,80,000/-	4,80,000/-	14,40,000/-
	Consumables	40,000/-	30,000/-	30,000/-	1,00,000/-
	Contingencies	20,000/-	20,000/-	20,000/-	60,000/-
	Travel	20,000/-	20,000/-	20,000/-	60,000/-
C.	Overhead	70,000/-	60,000/-	60,000/-	1,90,000/-
D.	Total of Recurring Grant (B+C)	6,30,000/-	6,10,000/-	6,10,000/-	18,50,000/-
E.	GRAND TOTAL (A+D)	9,30,000/-	6,10,000/-	6,10,000/-	21,50,000/-

2. Sanction of the grant is subject to the conditions as detailed in website www.online-wosa.gov.in

3. The sanction of the President is also accorded to the release of **Rs 6,30,000/-** (Rupees Six Lakh Thirty Thousand only) under "General Component" to The Registrar, Indira Gandhi Delhi Technical University for Women, Kashmere Gate, New Delhi-110006 being the first installment of the grant for the year 2018-2019 for implementation of the above mentioned project.

4. This sanction is subject to the condition that the grantee organization will furnish to the Department of Science & technology, financial year wise Utilization Certificate (UC) in the proforma prescribed as per GFR 2017 and audited statement of expenditure (SE) along with up to date progress report at the end of each financial year duly reflecting the interest earned / accrued on the grants received under the project. This is also subject to the condition of submission of the final statement of expenditure, utilization certificate and project completion report within one year from the scheduled date of completion of the project.

5. The grantee organization will have to enter & upload the Utilization Certificate in the PFMS portal besides sending it in physical form to this Division. The subsequent/final instalment will be released only after confirmation of the acceptance of the UC by the Division and entry of previous Utilization Certificate in the PFMS.

6. If the grant has been released under capital head through separate sanction order under the same project for purchase of equipment(s), separate SE/UC has to be furnished for the released Capital head grant.

7. The grant-in-aid being released is subject to the condition that

- (a) A transparent procurement procedure in line with the Provisions of General Financial Rules 2017 will be followed by the Institute/ Organization under the appropriate rules of the grantee organization while procuring capital assets sanctioned for the above mentioned project and a certificate to this effect will be submitted by the Grantee organization immediately on receipt of the grant.
- (b) While submitting Utilization Certificate/Statement of Expenditure, the organization has to ensure submission of supporting documentary evidences with regard to purchase of equipment/capital assets as per the provisions of GFR 2017. Subsequent release of grant under the project shall be considered only on receipt of the said documents.

The grantee organization will maintain separate audited account for the project and the amount of grant will be kept in an interest bearing bank account. For Grants released during FY 2017-2018 and onwards interest and other earnings, against released Grant shall be remitted to Consolidated Fund of India, immediately after finalization of accounts, as it shall not be adjusted towards future release of Grant. A certificate to this effect shall have to be submitted along with statement of expenditure/utilization certificate for considering subsequent release of grant/closure of project accounts.

9. DST reserves sole rights on the assets created out of grants. Assets acquired wholly substantially out of government grants (except those declared as obsolete and unserviceable condemned in accordance with the procedure laid down in GFR 2017), shall not be disposed of without obtaining the prior approval of DST.

10. The Principal Investigator under Women Scientist Scheme is not permitted to withdraw an emoluments/ salary/fellowship from any other project either supported by DST or by any other funding agency.

11. The account of the grantee organization shall be open to inspection by the sanctioning authority and audit (both by C & AG of India and Internal Audit by the Principal Accounts Office of the DST), whenever the organization is called upon to do so, as laid down under Rule 236(1) of General Financial Rules-2017.

12. Due acknowledgement of technical support / financial assistance resulting from this project grant should mandatorily be highlighted by the grantee organization in bold letters in all publications / media releases as well as in the opening paragraphs of their Annual Reports during and after the completion of the project.

13. Failure to comply with the terms and conditions of the Bond will entail full refund with interest in terms of Rule 231 (2) of GFR 2017.

14. The expenditure involved is debit to Demand No.84, Department of Science & Technology for the year 2018-19:

- 3425 Other Scientific Research (Major Head)
- 60 Others (Sub-Major Head)
- 60.200 Assistance to other Scientific Bodies (Minor Head)
- 68 Science and Technology Institutional and Human Capacity Building (Sub Head)
- 01 Disha Programme for Women in Science
- 55.01.31 Grants-in-aid General for the year 2018-2019 (Voted)

(Previous: Disha Programme for Women in Science 3425.60.200.55.01.31) -
15. The amount of Rs 6,30,000/- (Rupees Six Lakh Thirty Thousand only) will be drawn by the Drawing and Disbursing Officer, DST and will be disbursed Registrar, Indira Gandhi Delhi Technical University for Women, Kashmere Gate, New Delhi-110006. The bank details for electronic transfer of funds through RTGS are given below:-

Institute name	: Indira Gandhi Delhi Technical University for Women, New Delhi
Bank Name	: Punjab & Sind Bank
Account Number	: 09001000018950
Branch	: Indira Gandhi Delhi Technical University for Women, New Delhi
IFSC code	: PSIB0001098

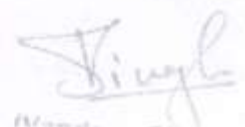
16. As per Rule 234 of GFR 2017, this sanction has been entered at S. No. 30 in the register of grants maintained in the KIRAN Division for scheme (KIRAN: WOS-A)

17. This issues with the concurrence of IFD Vide their Concurrence Dy.No)61/2018-19 dated 12.04.2018.


(Vandana Singh)
Scientist-D

Copy for information and necessary action to:-

1. The Director of Audit (CW & M-II), AGCR Building, IP Estate, New Delhi-110 002
2. Copy with two spare copies of the sanction to the Drawing & Disbursing Officer, DST, Cash Section.
3. The Registrar, Indira Gandhi Delhi Technical University for Women, Kashmere Gate, New Delhi-110006
4. Dr Manoj Soni, Associate Prof., Department of Mechanical and Automation Engineering Indira Gandhi Delhi Technical University for Women, Kashmere Gate, New Delhi-110006
5. Ms Mehak Sharma, Department of Mechanical and Automation Engineering, Indira Gandhi Delhi Technical University for Women, Kashmere Gate, New Delhi-110006
6. Pay & Accounts Officer, DST, New Delhi
7. IFD, DST, New Delhi.
8. Sanction Folder.



DST/VJ-Pilot/11/2017
Department of Science and Technology
KIRAN Division

Technology Bhawan
New Mehrauli Road
New Delhi-110016
Dated 08.03.2018

ORDER

Sub: Financial approval of the project under Vigyan Jyoti-Pilot Project entitled "ROBOGYAAN"

Nodal Officer: Dr Jasdeep Kaur Dhanoa, Indira Gandhi Delhi Technical University for Women, Kashmere Gate, Delhi-110006, Delhi.

Sanction of the President is hereby accorded to the above mentioned project at a total cost of ₹16,57,900/- (Rupees Sixteen Lac Fifty Seven Thousand Nine Hundred only) for a duration of Pilot Project. The items of expenditure for which the total allocation of ₹16,57,900/- (recurring) has been approved are given below

Sl. No.	Heads	Budget (in Rs)
1.	Scholarship @ Rs.5,000/- for 30 girls	1,50,000/-
2.	Boarding & Lodging	2,79,000/-
3.	Working Lunch & Refreshments	4,20,000/-
4.	Travel and Honorarium @Rs.2,500/- per day to resource persons	4,65,000/-
5.	Organizational expenses a) Program Officer -1 @ ₹35,000/-pm (consolidated) for 2 months b) Project Assistant-1 @ ₹22,000/-pm (consolidated) for 2 months c) Attendant @ ₹11,000/- (for program duration)	1,25,000/-
	Total	14,39,000/-
6.	Contingencies	1,43,900/-
7.	Overhead @ 5%	75,000/-
	GRAND TOTAL	16,57,900/-

2. Sanction of the grant is subject to the conditions as detailed in website www.dst.gov.in.

3. The sanction of the President is also accorded to the release of ₹ 15,00,000/- (Rupees Fifteen Lac only) under 'General Component' to **The Registrar, Indira Gandhi Delhi Technical University For Women, Kashmere Gate, Delhi-110006, Delhi**, being the first installment of the grant for the year 2017-2018 for implementation of the above mentioned project.

4. This sanction is subject to the condition that the grantee organization will furnish to the Department of Science & technology, financial year wise Utilization Certificate (UC) in the proforma prescribed as per GFR 2017 and audited statement of expenditure (SE) along with up to date progress report at the end of each financial year duly reflecting the interest earned / accrued on the grants received under the project. This is also subject to the condition of submission of the final statement of expenditure, utilization certificate and project completion report within one year from the scheduled date of completion of the project.

5. The grantee organization will have to enter & upload the Utilization Certificate in the PFMS portal besides sending it in physical form to this Division. The subsequent/final installment will be released only after confirmation of the acceptance of the UC by the Division and entry of previous Utilization Certificate in the PFMS.

6. The grantee organization will maintain separate audited account for the project and the entire amount of grant will be kept in an interest bearing bank account. The interest earned / accrued should be reported to DST (financial year wise) while submitting the Statement of Expenditure/Utilization Certificate. The interest thus earned will be treated as a credit to the grantee organization, which will be adjusted towards future release of grant.

7. All expenses barring overhead should be on actual.

Contd p/-2

8. The account of the grantee organization shall be open to inspection by the sanctioning authority and audit (both by C & AG of India and Internal Audit by the Principal Accounts Office of the DST), whenever the organization is called upon to do so, as laid down under Rule 236(1) of General Financial Rules 2017.

9. Due acknowledgement of technical support / financial assistance resulting from this project grant should mandatorily be highlighted by the grantee organization in bold letters in all publications / media releases as well as in the opening paragraphs of their Annual Reports during and after the completion of the project.

10. The expenditure involved is debit to Demand No 84, Department of Science & Technology for the year 2017-18:

3425	Other Scientific Research (Major Head)
60	Others (Sub-Major Head)
60.200	Assistance to other Scientific Bodies (Minor Head)
68	Science and Technology Institutional and Human Capacity Building (Sub Head)
01	Disha Programme for Women in Science
68.01.31	Grants-in-aid General for the year 2017-2018 (Voted)
	(Previous: Disha Programme for Women in Science 3425 60 200.55.01.31)

11. The amount of ₹ 15,00,000/- (Rupees Fifteen Lac only) will be drawn by the Drawing and Disbursing Officer, DST and will be disbursed to The Registrar, **Indira Gandhi Delhi Technical University For Women, Kashmere Gate, Delhi-110006, Delhi**. The bank details for electronic transfer of funds through RTGS are given below:-

Institute name	: Indira Gandhi Delhi Technical University for Women, Delhi.
Bank Name	: Punjab and Sind Bank
Account No	: 09001000018950
Branch	: IGDTU
IFSC code	: PSIB0001098

12. As per Rule 234 of GFR 2017, this sanction has been entered at S. No. 840 in the register of grants maintained in the **KIRAN Division** for scheme.

13. This issues with the concurrence of IFD Vide their Concurrence Dy No/5229/2017-18 dated 08.03.2018.



(Vandana Singh)
Scientist-D

Copy for information and necessary action to:-

1. The Director of Audit (CW & M-II), AGCR Building, IP Estate, New Delhi-110 002.
2. Copy with two spare copies of the sanction to the Drawing & Disbursing Officer, DST, Cash Section
3. The Registrar, Indira Gandhi Delhi Technical University For Women, Kashmere Gate, Delhi-110006, Delhi
4. Dr Jasdeep Kaur Dhanoa, Indira Gandhi Delhi Technical University For Women, Kashmere Gate, Delhi-110006, Delhi
5. Pay & Accounts Officer, DST, New Delhi.
6. IFD, DST, New Delhi.
7. Sanction Folder



(Vandana Singh)
Scientist-D

ORDER

Sub: Financial approval of the project under Consolidation of University Research for Innovation and Excellence in Women Universities (CURIE) to support for Artificial Intelligence (AI) Lab in CURIE Beneficiary Women Universities.

In continuation of the Sanction Order No. **DST/CURIE-AI/2019(C)** dated 29.03.2019 Sanction of the President is hereby accorded to the payment of a total **Rs 35 lakh** as **Recurring Grant** for one year in **Phase-I** for one Women University and **Rs 210 lakh** for 6 universities. The items of expenditure for which the total allocation of **Rs 35 lakh** has been approved for one year are given below:

S.No	Heads	Budget for one Women University (in lakh)	Budget for 6 Women University (in lakh)
A	Non-Recurring (Capital items)		
	Computer Workstations/ Servers, Compute Nodes, LED Display, Projector, Biometric Access and Printer	35.00	210.00
B	Recurring (General)		
	Software License	5.00	30.00
	Summer/Winter School (Training Activities including Workshops)	10.00	60.00
	Travel (including AI Experts' visits & faculty travel to different institutions)	7.00	42.00
	DST CURIE-AI Students Club (for student activities)	5.00	30.00
	Contingency	3.00	18.00
C	Overhead	5.00	30.00
D	Sub Total (B+C)	35.00	210.00
E	Grant Total (A+D)	70.00	420.00

- Overhead expenses are meant for the host institute towards the cost for providing infrastructure Facilities and benefits to the staff engaged in the project, etc.
- Sanction of the grant is subject to the conditions as detailed in website www.dst.gov.in.
- Sanction of the President is accorded to the payment of **Rs 35 lakh** (Rupees Thirty Five Lac only) under 'Grant-in-aid General' to each of the **CURIE Beneficiary Women University** being first installment of grant for the year 2019-20 for implementation of the said project.
- This sanction is subject to the condition that the grantee organization will furnish to the Department of Science & technology, financial year wise Utilization Certificate (UC) in the proforma prescribed as per GFR 2017 and audited statement of expenditure (SE) along with up to date progress report at the end of each financial year duly reflecting the interest earned / accrued on the grants received under the project. This is also subject to the condition of submission of the final statement of expenditure, utilization certificate and project completion report within one year from the scheduled date of completion of the project.

6. The grantee organization will have to enter & upload the Utilization Certificate in the PFMS portal besides sending it in physical form to this Division. The subsequent/final instalment will be released only after confirmation of the acceptance of the UC by the Division and entry of previous Utilization Certificate in the PFMS.
7. If the grant has been released under capital head through separate sanction order under the same project for purchase of equipment(s), separate SE/UC has to be furnished for the released Capital head grant.
8. The grant-in-aid being released is subject to the condition that.
 - (a) A transparent procurement procedure in line with the Provisions of General Financial Rules 2017 will be followed by the Institute/ Organization under the appropriate rules of the grantee organization while procuring capital assets sanctioned for the above mentioned project and a certificate to this effect will be submitted by the Grantee organization immediately on receipt of the grant.
 - (b) While submitting Utilization Certificate/Statement of Expenditure, the organization has to ensure submission of supporting documentary evidences with regard to purchase of equipment/capital assets as per the provisions of GFR 2017. Subsequent release of grant under the project shall be considered only on receipt of the said documents.
9. The grantee organization will have to enter & upload the Utilization Certificate in the PFMS portal besides sending it in physical form to this Division. The subsequent/final instalment will be released only after confirmation of the acceptance of the UC by the Division and entry of previous Utilization Certificate in the PFMS.
10. If the grant has been released under capital head through separate sanction order under the same project for purchase of equipment(s), separate SE/UC has to be furnished for the released Capital head grant.
11. The grant-in-aid being released is subject to the condition that.
 - (a) A transparent procurement procedure in line with the Provisions of General Financial Rules 2017 will be followed by the Institute/ Organization under the appropriate rules of the grantee organization while procuring capital assets sanctioned for the above mentioned project and a certificate to this effect will be submitted by the Grantee organization immediately on receipt of the grant.
 - (b) While submitting Utilization Certificate/Statement of Expenditure, the organization has to ensure submission of supporting documentary evidences with regard to purchase of equipment/capital assets as per the provisions of GFR 2017. Subsequent release of grant under the project shall be considered only on receipt of the said documents.
12. The account of the grantee organization shall be open to inspection by the sanctioning authority and audit (both by C& AG of India and Internal Audit by the Principal Accounts Office of the DST), whenever the organization is called upon to do so, as laid down under Rule 236(1) of General Financial Rules 2017.
13. Due acknowledgement of technical support / financial assistance resulting from this project grant should mandatorily be highlighted by the grantee organization in bold letters in all publications / media releases as well as in the opening paragraphs of their Annual Reports during and after the completion of the project.
14. Failure to comply with the terms and conditions of the Bond will entail full refund with interest in terms of Rule 231 (2) of GFR 2017.
15. The expenditure involved is debatable to: Demand No.84 Department of Science & Technology for the year 2019-2020.

3425 Other Scientific Research (Major Head)
60 Others (Sub-Major Head)
60.200 Assistance to other Scientific Bodies (Minor Head)
68 Science and Technology Institutional and Human Capacity Building (Sup Head)
01 Disha Programme for Women in Science
68.01.31 **Grants-in-aid General for the year 2019-20 (Voted)**
(Previous: Disha Programme for Women in Science 3425.60.200.55.01.31)

16. The institute will furnish to the DST, Utilization certificate and an audited statement of accounts pertaining to the grant immediately after the end of the each financial year. As this is the first grant being released for the project, no previous U/C is required.



17. The Institute will maintain separate audited accounts for the project; If it is found expedient to keep a part or whole of the grant in a bank account earning interest, the interest earned should be reported to DST. The interest thus earned will be treated as a credit to the institute to be adjusted towards further installment of the grant.

18. The amount of **Rs 210 lakh** (Rupees Two Hundred Ten Lac only) for 6 women universities (**Rs 35 lakh each**) as recurring grant will be Disbursed to the following:

i) **The Registrar, Avinashilingam Institute for Home Science and Higher Education for Women, Deemed University, Coimbatore-43** by means of electronic transfer as per the details given below:

Institute Name : Avinashilingam Institute for Home Science and Higher Education for Women Deemed University, Coimbatore-43.
Bank name : Indian Bank
Account No. : 917248759
Branch : Coimbatore
IFSC Code : IDIB000A005

ii) **The Registrar, Banasthali Vidyapith, Banasthali-304022, Rajasthan** by means of electronic transfer as per the details given below:

Institute Name : Banasthali Vidyapith
Bank name : State Bank of India
Account No. : 32132800012
Branch : Banasthali Tonk
IFSC Code : SBIN0015363

iii) **The Registrar, Indira Gandhi Delhi Technical University for Women** by means of electronic transfer as per the details given below:

Institute Name : Indira Gandhi Delhi Technical University for Women
Bank name : Punjab & Sind Bank
Account No. : 09001000018950
Branch : IGDTUW Campus
IFSC Code : PSIB0001098

iv) **The Registrar, Karnataka State Women's University, Bijapur** by means of electronic transfer as per the details given below:

Institute Name : Karnataka State Women's University, Bijapur
Bank name : Syndicate Bank
Account No. : 08542200001390
Branch : Jnana Shakti Campus
IFSC Code : SYNB0000863

v) **The Registrar, Mother Teresa Women's University** by means of electronic transfer as per the details given below:

Institute Name : Mother Teresa Women's University
Bank name : Canara Bank
Account No. : 0945101026802
Branch : Annasalai, Kodaikanal
IFSC Code : CNRB0000945

vi) **The Registrar, Sri Padmavati Mahila Visvavidyalayam, Tirupati** by means of electronic transfer as per the details given below:

Institute Name : Sri Padmavati Mahila Visvavidyalayam, Tirupati
Bank name : Andhra Bank
Account No. : 174910100014286
Branch : Padmavati Nagar
IFSC Code : ANDB0001749

19. As per Rule 211(1) of GFRs, the accounts of the project shall be open to inspection by the sanctioning authority/audit whenever the institute is called upon to do so.
20. There is no due pending UC from the Institute for this scheme/project as per the details in the PFMS.
21. Principal Investigator (PI) is directed to acknowledge "research grant" in all publications emerging out of this particular project. For example, "Authors acknowledge Department of Science and Technology, Government of India for financial support vide Reference No. under Consolidation of University Research for Innovation and Excellence in Women Universities (CURIE) to carry out this work.
22. This sanction has been entered Sl. No. 66 in the Register of Grants (2019-20).
23. The Sanction has been issued under the powers delegated to the Ministries and with the concurrence of IF Division of Department of Science & Technology vide their Concurrence Diary Number C/799/IFD/2019-20 dated 31.05.2019.



(VandanaSingh)
Scientist-E

Copy forwarded for information and necessary action to:-

1. The Director of Audit (CW & M-II), AGCR Building, IP Estate, New Delhi-110 002.
2. Copy with two spare copies of the sanction to the Drawing & Disbursing Officer, DST, Cash Section.
3. The Registrar, Avinashilingam Institute for Home Science and Higher Education for Women, Deemed University, Coimbatore - 43.
4. Dr. Premavathy Vijayan, Vice Chancellor, Avinashilingam Institute for Home Science and Higher Education for Women, Deemed University, Coimbatore - 43.
5. The Registrar, Banasthali University, PO- Bansthali Vidyapith, Banasthali-304022, Rajasthan.
6. Prof. Aditya Shastri, Banasthali University, PO- Bansthali Vidyapith, Banasthali-304022, Rajasthan.
7. The Registrar, Indira Gandhi Delhi Technical University for Women, New Delhi.
8. Dr Amita Dev, Indira Gandhi Delhi Technical University for Women, New Delhi.
9. The Registrar, Karnataka State Akkamahadevi Women's University, Vijayapura.
10. Prof. Sabiha, Karnataka State Akkamahadevi Women's University, Vijayapura.
11. The Registrar, Mother Teresa Women's University, Kodaikanal.
12. Dr.M.Pushpa Rani, Mother Teresa Women's University, Kodaikanal.
13. The Registrar, Sri Padmavati Mahila Visvavidyalayam (Women's University), Tirupati.
14. Prof. V. Uma, Sri Padmavati Mahila Visvavidyalayam (Women's University), Tirupati.
15. Pay & Accounts Officer, DST, New Delhi
16. Accounts Section, DST, New Delhi
17. Head, KIRAN Division
18. Sanction Folder.
19. COA, DST, New Delhi
20. IFD, DST, New Delhi
21. KIRAN Secretariat.



(VandanaSingh)
Scientist-E

ORDER

Sub: Financial assistance for the Cluster proposals under the Data Science (DS) Research of Interdisciplinary Cyber Physical Systems (ICPS) Programme of the Department of Science & Technology (DST), GOI, New Delhi.

PI: Prof. Ashish Ghosh, Machine Intelligence Unit, Indian Statistical Institute (ISI), 203 B.T. Road, Kolkata-700 108, West Bengal.

Sanction of the President is hereby accorded for the Cluster proposals under the Data Science (DS) Research of ICPS Programme of DST consisting of 24 R&D projects at a total cost of Rs. 12,12,19,040/- (Rupees Twelve Crores Twelve Lakh Nineteen Thousand Forty only) i.e. Rs. 9,01,75,493/- under recurring head and Rs.3,10,43,547/- under non-recurring head to Indian Statistical Institute (ISI), Kolkata for a duration of 36/24 months. Year wise break-up of the recurring grant of Rs. 9,01,75,493/- to all the 24 R&D projects is given below:

Sl No	PI, Affiliation & Project Title	Budget (Rupees in Lakhs)			
		1 st year	2 nd year	3 rd year	Total
1.	PI: Dr. Anand S. Sengupta, IIT, Gandhinagar Scaling up a high-throughput gravitational-wave search pipeline using randomized numerical linear algebra (T-150)	1341944	1081944	1240488	3664376
2.	PI: Prof. Ashish Ghosh, ISI-Kolkata Networking on Data Science and Machine Learning	2865000	2530000	2952400	8347400
3.	PI: Dr. Bharat Lohani, IIT-Kanpur Generation and labelling of LiDAR Point cloud for Automatic Classification Through CNN Approach	2037056	1931256	425304	4393616
4.	PI: Dr. L. Ashok Kumar, PSG College of Technology, Coimbatore Design and Implementation of e-learning System using Deep Learning based on Audio-Video Speech Recognition for Hearing Impaired in Native Language	1470100	979000	1074040	3523140
5.	PI: Dr. Vineeth N Balasubramanian, IIT Hyderabad Towards Next-Generation Deep Learning: Faster, Smaller, and Easier	1894800	1846800	2048976	5790576
6.	PI: Dr. Phaneendra Kumar Yalavarthy, IISc Bangalore Deep learning for improving Photoacoustic Imaging	877200	745200	795744	2418144
7.	PI: Dr. Arijith Mondol, IIT-Patna V2D : Video to Description Generation using Deep Learning	820000	756000	833760	2409760
8.	PI: Dr. Soma Mitra, C-DAC, Kolkata & Prof. Subhashis Banerjee, IIT-Delhi Development of Deep Neural Network based Face Recognition software for Identification and Verification of human from Single Sample per person test image (static)	C-DAC, Kolkata 1523940	C-DAC, Kolkata 1523940	C-DAC, Kolkata 1523940	C-DAC, Kolkata 4571820
	IIT, Delhi	475200	475200	525744	1476144

R. Sharma

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9.	PI: Dr. Dr Swarup Roy, Sikkim (Central) University, Shillong Large Scale Biological Network Reconstruction and Analysis for Identifying Therapeutic Targets for Alzheimer's: A Big Data Initiative	1405600	1232000	1362680	4000280
10.	PI: Dr. R. Dhanalakshmi, NIT-Puducherry & Dr. Devendra Kumar Tayal, IGDTU for Women, New Delhi Detection of cause of life threatening diseases by examining the human genome in Microarray data using distributed implementation of algorithms	NIT-Puducherry 543000	NIT-Puducherry 513000	NIT-Puducherry 555768	NIT-Puducherry 1611768
	IGDTU for Women, New Delhi	543000	513000	555768	1611768
11.	PI: Dr. Shandar Ahmad, JNU-New Delhi Data Reduction Techniques for Genomic and Transcriptomic data sets	1124400	1004400	633744	2762544
12.	PI: Dr. Sunil Kumar S Manvi, REVA University-Bangalore Cancer classification using Gene Expression Data	694500	880000	880000	2454500
13.	(PI: Dr. Chetan Arora, IIT-Delhi & Dr. Prof. C.V.Jawahar, IIIT-Hyderabad Learning from Egocentric Videos	IIT, Delhi. 751980	IIT, Delhi 634480	IIT, Delhi 634480	2020940
	IIIT-Hyderabad	918480	870980	870980	2660440
14.	PI: Dr. Arpan Kumar Kar, IIT-Delhi Assessment of multi-stakeholder engagement in tourism - Insights from social media and service providers	821064	1659744	0	2480808
15.	PI: Dr .M. Venkatesan, NIT-Karnataka Multi Graph based Anomaly Detection Model for Social Network Analysis using Machine Learning	716560	604800	651456	1972816
16.	PI: Dr. Yashvardhan Sharma, BITS-Pilani Design and implementation of Content Based Recommender System for effectively answering Web based User Queries	668000	473000	516560	1657560
17.	PI: Dr. Manorama Swain, Silicon Institute of Technology, Bhubaneswar Methods and mobile applications for interpretation of emotion in various Odia dialects	641000	561000	608520	1810520
18.	PI: Dr. Dipankar Banerjee, IIA-Bangalore <i>Preservation and analysis of the century-long solar data from Kodaikanal Solar Observatory</i>	1560800	1360800	1395144	4316744
19.	PI: Dr. Prasanta Kumar Ghosh, IISc-Bangalore Natural non-native English speech synthesis	1274400	1166400	1267488	3708288
20.	PI: Dr. E. Grace Mary Kanaga, Karunya University, Coimbatore Design and Development of an Adaptive Brain Computer Interface (BCI) based Assistive Tool for Paralytic People	722805	500500	548020	1771325

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21.	PI: Prof. U. Dinesh Kumar, IIM-Bangalore Machine Learning models to create a robust farm advisory system to improve farm performance and welfare of farms	1167928	1043928	935928	3147784
22.	PI: Dr. Shantanu Desai, IIT-Hyderabad Explorations in Astrophysical Data Mining, Astrostatistics, and Astroinformatics	1550800	1414800	1566432	4532032
23.	PI: Dr. Shalabh Bhatnagar, IISc-Bangalore Distributed Multi-Agent Algorithms for Dynamic Control of Microgrids	1779200	1749600	1641600	5170400
24.	PI: Dr. Ashish Ghosh, ISI-Kolkata Co-ordination project	2030000	2030000	1830000	5890000
Grand Total		32218757	30081772	27874964	90175493

2. The sanction of the President is also accorded to the release of **Rs. 2,40,00,000/- (Rupees Two Crore Forty Lakh only)** being the first installment of grant under "General Component" for implementation of the above mentioned project. ISI, Kolkata, in turn shall release the 1st installment of Rs. 10,00,000/- (Rupees Ten Lakh only) to each project to the component institutes as mentioned against each project and as per details given above within seven days from the date of receipt of funds from DST as per the bank details for electronic transfer of funds through RTGS given in Annexure-C.

3. This sanction is subject to the condition that the grantee organization will furnish to the Department of Science & Technology, financial year wise Utilization Certificate (UC) in the proforma prescribed as per GFR 2017 and audited statement of expenditure (SE) along with up to date progress report at the end of each financial year duly reflecting the interest earned / accrued on the grants received under the project. This is also subject to the condition of submission of the final statement of expenditure, utilization certificate and project completion report within one year from the scheduled date of completion of the project.

4. ISI-Kolkata (the grantee organization) will have to enter & upload the Utilization Certificate in the PFMS portal besides sending it in physical form to this Division after closure of every financial year i.e. 31st of March every year, till completion of the project. The subsequent/final installment will be released only after confirmation of the acceptance of the UC by the Division and entry of previous Utilization Certificate in the PFMS. The sanction of the above amount is subject to terms and conditions as contained in the Annexure-A.

5. If the grant has been released under capital head through separate sanction order under the same project for purchase of equipment(s), separate SE/UC has to be furnished for the released Capital head grant.

6. The grant-in-aid being released is subject to the condition that

- a) a transparent procurement procedure in line with the Provisions of General Financial Rules 2017 will be followed by the Institute/Organization under the appropriate rules of the grantee organization while procuring capital assets sanctioned for the above mentioned project and a certificate to this effect will be submitted by the Grantee organization immediately on receipt of the grant:
- b) While submitting Utilization Certificate/Statement of Expenditure, the organization has to ensure submission of supporting documentary evidences with regard to purchase of equipment/capital assets as per the provisions of GFR 2017. Subsequent release of grants under the project shall be considered only on receipt of the said documents.

7. "The grantee organization (ISI, Kolkata) will maintain separate audited account for the project and the entire amount of grant will be kept in an interest bearing account. For Grants released during F.Y. 2017-18 and onwards, all interests and other earnings against released Grant shall be remitted to Consolidated Fund of India (through Non-Tax Receipt Portal (NTRP), i.e. www.bharatkosh.gov.in), immediately after finalisation of accounts, as it shall not be adjusted towards future release of Grant. A certificate to this effect shall have to be submitted along with Statement of Expenditure / Utilisation Certificate for considering subsequent release of Grant/ Closure of Project accounts". The project-wise, Year-wise and Head-wise detailed break-up is given in the Annexure-B

8. "Grantee Institute should also follow Rule 230 (17) of GFR, 2017 concerning reservation of SC/ST/OBC, if applicable."

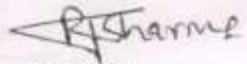
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9. DST reserves sole rights on the assets created out of grants. Assets acquired wholly or substantially out of government grants (except those declared as obsolete and unserviceable or condemned in accordance with the procedure laid down in GFR 2017), shall not be disposed of without obtaining the prior approval of DST.
10. In case the scheme provides for payment of honorarium / remuneration / fellowship / scholarship to the PI, a para may suitably be incorporated in the DSO to the effect that "PI is not drawing any emoluments/ salary/fellowship from any other project either supported by DST or by any other funding agency.
11. The account of the grantee organization shall be open to inspection by the sanctioning authority and audit (both by C&AG of India and Internal Audit by the Principal Accounts Office of the DST), whenever the organization is called upon to do so, as laid down under Rule 236(1) of General Financial Rules 2017.
12. Due acknowledgement of technical support / financial assistance resulting from this project grant should mandatorily be highlighted by the grantee organization in bold letters in all publications / media releases as well as in the opening paragraphs of their Annual Reports during and after the completion of the project.
13. Failure to comply with the terms and conditions of the Bond will entail full refund with interest in terms of Rule 231 (2) of GFR 2017.
14. The expenditure involved is debit to Demand No.84, Department of Science & Technology for the year 2018-19:

3425	:	Other Scientific Research (Major Head)
60	:	Others
60.200	:	Assistance to Other Scientific Bodies (Minor Head)
69	:	Research & Development (S&T).
69.00.31	:	Grants-in-Aid General for the year 2018-19 (Plan)
(Previous:3425.60.200.63.01.31-Super Computing Facility & Capacity Building)		

15. The amount of **Rs. 2,40,00,000/- (Rupees Two Crores Forty Lakh only)** will be drawn by the Drawing and Disbursing Officer, DST and will be disbursed to Director, Indian Statistical Institute (ISI), 203 Barrackpore Trunk Road, Kolkata-700 108, West Bengal through RTGS in Account No: **0071050000118**, United Bank of India, IFSC Code: **UTBI0DLB140**.
16. These Cluster proposals under the Data Science (DS) Research of ICPS-DST, being a multi-institutional networked project, the start date of the project shall be six months from the of receipt of funds from DST i.e. after completion of the project staff recruitment, procurement of equipment etc. However, completion of the above activities or 6 months whichever is earlier shall be construed as the start date of the project.
17. As per Rule 234 of GFR 2017, this sanction has been entered at S.No. **66** in the register of grants maintained in the Division.
18. This issues with the concurrence of IFD vide their concurrence diary No.C/4455/IFD/2018-2019 dated 01.01.2019.
19. It is certified that all the Utilization Certificate in regard of all schemes/programmes/projects, present and previous pertaining to the institute have been received and no UC is pending against the organization as per the details in the PFMS also.


 (Rajeev Sharma)
 Scientist - E
 011-26590310

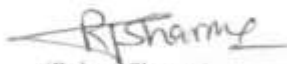
To
 The Pay and Accounts Officer,
 Department of Science & Technology,
 New Delhi.

Copy for information and necessary action to:-

1. Cash Section (2 copies) for preparing the bill & remitting the amount to the above grantee.
2. Account Section, DST, New Delhi
3. The Director of Audit (CW&M-II), AGCR Building, IP Estate, New Delhi - 110 002.

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4. IFD, DST, New Delhi.
5. Director, Indian Statistical Institute (ISI), 203 Barrackpore Trunk Road, Kolkata-700 108, West Bengal.
6. Dr. Ashish Ghosh, Machine Intelligence Unit, 203 Barrackpore Trunk Road, Kolkata-700 108, West Bengal.
7. Dr. Anand S Sengupta, Assistant Professor, Department of Physics, Indian Institute of Technology (IIT)-Gandhinagar, Academic Block 5/326 IIT Gandhinagar, Village Palaj, Simkheda, Gandhinagar 382355, Gujarat.
8. Dr. Bharat Lohani, Professor, Department of Civil Engineering, Indian Institute of Technology (IIT)-Kanpur, Kanpur-208 016, Uttar Pradesh.
9. Dr. L Ashok Kumar, Professor, Department of EEE, PSG College of Technology, Peelamedu, Coimbatore-641 004, Tamil Nadu.
10. Dr. Vineeth N Balasubramanian, Assistant Professor, Computer Science & Engineering Department, Indian Institute of Technology (IIT), IITH Main Road, Near NH-65, Sangareddy, Kandi-502 285, Telangana.
11. Dr. Phaneendra Kumar Yalavarthy, Chairman & Associate Professor, Computational & Data Science Department, Indian Institute of Science (IISc), Bangalore-560 012, Karnataka.
12. Dr. Arijit Mondal, Assistant Professor, Department of CSE, Indian Institute of Technology (IIT)-Patna, Bihta, Patna-801 103, Bihar.
13. Dr. Soma Mitra, Associate Director, Advanced Signal Processing Unit, C-DAC-Kolkata, Plot-E2/1, Block - GP, Sector - V, Salt Lake City, Kolkata - 700091, West Bengal.
14. Prof. Subhashis Banerjee, Professor, Computer Science & Engineering Department, Indian Institute of Technology (IIT)-Delhi, Hauz Khas, New Delhi-110016.
15. Dr. Swarup Roy, Associate Professor, Department of Computer Applications, Sikkim (Central) University, 6th Mile, Samdur, Tadong, Gangtok, Sikkim.
16. Dr. R. Dhanalakshmi, Associate Professor & Head, Department of Computer Science & Engineering, National Institute of Technology (NIT)-Puducherry, Thiruvettakudy, Karaikal-609 609.
17. Dr. Devendra Kumar Tayal, Professor, Department of Computer Science and Engineering, Indira Gandhi Delhi Technical University for Women, Kashmere Gate, New Delhi -110006.
18. Dr. Shandar Ahmiad, Professor, School of Computational and Integrative Sciences, Jawaharlal Nehru University (JNU), New Mehrauli Road, New Delhi-110067.
19. Dr. Sunil Kumar S Manvi, Professor, School of Computing & IT, REVA University, Rukmini Knowledge Park, Katteganhalli, Yelhanka, Bangalore 560 064, Karnataka.
20. Dr. Chetan Arora, Associate Professor, Department of Computer Science and Engineering, Indian Institute of Technology-(IIT) Delhi, Hauz Khas, New Delhi-110 016.
21. Prof. C.V. Jawahar, Professor, Center for Visual Information Processing, Department of Computer Science and Engineering, IIIT-Hyderabad, Gachibowli, Hyderabad 300 032, Telangana.
22. Dr. Arpan Kumar Kar, Assistant Professor, Department of Management Studies, Indian Institute of Technology (IIT)-Delhi, Hauz Khas, New Delhi-110016.
23. Dr. M. Venkatesan, Assistant Professor, Department of Computer Science and Engineering, National Institute of Technology Karnataka (NIT-K), Surathkal, Mangalore-575025, Karnataka.
24. Dr. Yashvardhan Sharma, Assistant Professor, Department of Computer Science and Information Systems, Birla Institute of Technology and Science, Pilani, BITS-Pilani, Pilani-330 310, Rajasthan.
25. Dr. Monorama Swain, Assistant Professor, ECE Department, Silicon Institute of Technology, Bhubaneswar, Silicon Hills, Patia, Bhubaneswar, 751024, Odisha.
26. Dr. Dipankar Banerjee, Professor, Indian Institute of Astrophysics (IIA), Koramangala, Bangalore 560034, Karnataka.
27. Dr. Prasanta Kumar Ghosh, Assistant Professor, Department of Electrical Engineering, Indian Institute of Science (IISc)-Bangalore- 560 012, Karnataka.
28. Prof. U Dinesh Kumar, Professor & Chairperson, Data Centre & Analytics Lab, Indian Institute of Management (IIM) Bangalore, Bannerghatta Road, Bangalore- 560 076, Karnataka.
29. Dr. E. Grace Mary Kanaga, Associate Professor, Department of Computer Sciences Technology, Karunya University, Karunya Nagar, Coimbatore-641 114, Tamil Nadu.
30. Dr. Shantanu Desai, Associate Professor, Department of Physics, Indian Institute of Technology (IIT)-Hyderabad, IITH Main Road, Near NH-65, Sanga Reddy, Kandi-502 285, Telangana.
31. Dr. Shalabh Bhatnagar, Professor, Department of Computer science and Automation and the Robert Bosch centre for Cyber Physical Systems, Indian Institute of Science, Bangalore-560 012, Karnataka.
32. Sanction Folder.
33. Head, ICPS, DST, New Delhi


 (Rajeev Sharma)
 Scientist - E
 011-26590310

Department of Science & Technology Terms & Conditions of the Grant

1. Approval of the research proposal and the grant being released is for the specific project sanctioned and should be exclusively spent on the project within the stipulated time. The Institute is not permitted to seek or utilise funds from any other organisation (Government, Semi-Government, Autonomous and Private Bodies) for this research project. Any **un-spent balance out of the amount sanctioned must be surrendered to the Government of India through a crossed Cheque/ Demand Draft drawn in favour of Drawing & Disbursing Officer, DST.**
2. For permanent, semi-permanent assets acquired solely or mainly out of the project grants, an audited record in the form of a register in the prescribed format (attached) shall be maintained by the Institute. The term "Assets" include (a) the immovable property acquired out of the grant; and (b) movable property of capital nature where the value exceeds Rs 1000/-. The Institute is required to send to the Department of Science & Technology a list of assets acquired from the grant. The grant shall not be utilised for construction of any building unless specific provision is made for that purpose. Full infrastructural facilities by way of accommodation, water, electricity, communication etc. for smooth implementation of the project shall be given by the Institute.
3. All the assets acquired from the grant will be the property of Government of India and should not be disposed off or encumbered or utilised for purpose other than those for which the grant had been sanctioned, without the prior sanction of this Department.
4. At the conclusion/ termination of the project, the Government of India will be free to sell or otherwise dispose off the assets which are the property of the Government. The Institute shall render to the Government necessary facilities for arranging the sale of these assets. The Government of India has the discretion to gift the assets to the Institute or transfer them to any other Institute if it is considered appropriate.
5. The Institute/ PI will furnish Annual Progress Report of the work on the project on an yearly basis ((ie. if the date of start of a project is 12.09.97 the first Annual Technical Progress report shall be for the period 12.09.97 to 30.09.98, the next will be from 01.10.98 to 30.09.99 and so on). In addition, the DST may designate Scientist/ Specialist or an Expert Panel to visit the Institute periodically to review the progress of the work being carried out and to suggest suitable measures to ensure realisation of the objectives of the project. During the implementation of the project the Institute will provide all facilities to the visiting scientist/ specialist or the Expert Panel by way of accommodation etc. at the time of their visit. On completion of the project 5 copies of a final consolidated Project Completion Report on the work done on the project should be sent to the DST.
6. At the time of seeking further instalment of grant, The Institute/ PI has to furnish the following documents:

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R. Sharma

- a) Utilisation Certificate (UC) and Statement of Expenditure (SE) for the previous financial year (in original or copy if sent earlier);
 - b) Latest authenticated Statement of Expenditure including Committed Expenditure, for expenditure since 1st April of that financial year till the previous month; and
 - c) Technical Annual Progress Report, if not sent earlier.
7. Request for specific approval of the Department to carry forward the unutilised grant to the next financial year for utilisation for the same project, should be sent along with SE & UC, after completion of the financial year.
 8. The Comptroller & Auditor General of India, at his discretion, shall have the right of access to the books and accounts of the Institute maintained in respect of the grant received from the Government of India.
 - ✓ 9. The institute will maintain separate audited accounts for the project. If it is found expedient to keep a part or whole of the grant in a bank account earning interest, the interest thus earned should be reported to the DST and should be reflected in the Statement of Expenditure. The interest thus earned will be treated as a credit to the Institute to be adjusted towards further instalment of grant.
 10. The institute will not entrust the implementation of the work for which the grant is being sanctioned to another institution nor will it divert the grant receipts to other institute as assistance. In case the Institute is not in a position to implement or complete the project, it should, forthwith, refund to this Department the entire grant received by it or the balance grant with it.
 11. All the personnel including Research personnel appointed under the project, for the full/ part duration of the project, are to be treated as temporary employees and will be governed by the Administrative rules/ service conditions (for leave, TA/DA etc) of the implementing Institute. They are not to be treated as employees of the Government of India and the DST will have no liability, whatsoever, for the project staff after completion of the project duration.
 12. For the expeditious implementation of the research project, the PI will take the assistance of the Institute in the process of selection and appointment of staff and payment to them. Scale and emoluments for the posts not covered under DST's OM are governed by norms prevalent in the implementing Institution or as may be decided in consultation with DST.
 13. The DST reserves the right to terminate the project at any stage if it is convinced that the grant has not been properly utilised or appropriate progress is not being made.
 14. The project becomes operative with effect from the date on which the Draft/ Cheque is received by the implementing Institution. This date should be intimated by the Institution authorities/ Principal Investigator to this Department. It will, in no case be later than one month after the receipt of the draft/ cheque by the Institute.
 15. If the PI to whom a grant for a project has been sanctioned wishes to leave the Institution where the project is based, the Institute/ PI will inform the same to the DST and in consultation with DST, evolve steps to ensure successful completion of the project, before relieving the PI.

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16. Investigators wishing to publish technical/scientific papers based on the research work done under the project, should acknowledge the assistance received from DST, indicating the scheme. Investigators are also requested to publish some of the research papers emerging out of the project work in leading Indian Journals.
17. If the results of research are to be legally protected, the results should not be published without action being taken to secure legal protection for the research results.
18. For projects identified to have a distinct potential for generating know-how, in the form of product/process, that could be protected through patenting, copyrights etc., the PI should carefully follow the "Guidelines/ Instructions for Technology Transfer and Intellectual Property Rights" provided in the **Guidelines for Implementing Research Projects** booklet issued by the DST. For further information/ clarification on this subject, please contact:

Advisor - Patent Facilitating Cell, Department of Science & Technology, Technology Bhavan, New Mehrauli Road, New Delhi - 110 016.

Tel : 91-11-42525808 and 2696 7458; Fax: 2686 3866; email : tifac@nda.vsnl.net.in



PROPOSAL -1: (T-150)

Project Title: Scaling up a high-throughput gravitational-wave search pipeline using randomized numerical linear algebra

PI: Dr. Anand S. Sengupta, Indian Institute of Technology, Gandhinagar

Sl.No	Item (Budget Head)	1 st Year	2 nd Year	3 rd year	Total
1.	Project Staff				
	SRF-1 @ Rs. 28,000/- + 30% HRA	436800	436800	436800	1310400
	JRF-1 @ Rs. 25,000/- +30% HRA for the first two years and @ Rs. 28,000/- + 30% HRA for the 3 rd year as SRF	390000	390000	436800	1216800
2.	Travel	50000	50000	50000	150000
3.	Consumable	25000	25000	25000	75000
4.	Contingency	50000	50000	50000	150000
5.	Miscellaneous	150000	50000	150000	350000
	Total	1101800	1001800	1148600	3252200
6.	Overheads 8%	240144	80144	91888	412176
	Grand Total	1341944	1081944	1240488	3664376

Project Staff Salaries: Rs.25,000/- p.m. + HRA for 1 & 2nd yrs & 28,000/- p.m. + HRA for 3rd yrs as per DST new guidelines. Applicable HRA is 30% for Category 'X' Cities, 20% for Category 'Y' Cities and 10% for Category 'Z' Cities as per GOI norms.

Institutional Overheads: 8% of the total project cost for R&D projects, 8% or Rs 5.00 lakh whichever is minimum for non- R&D projects.

PROPOSAL -2 : (T-817)

Project Title: Networking on Data Science and Machine Learning

PI: Prof. Ashish Ghosh, ISI-Kolkata

Sl.No	Item	1 st Year	2 nd Year	3 rd year	Total
1.	Project Staff				
	JRF-5 @ Rs. 25,000/- +30% HRA for the first two years and @ Rs. 28,000/- + 30% HRA for the 3 rd year as SRF	1950000	1950000	2184000	6084000
2.	Travel	50000	50000	50000	150000
3.	Consumable	100000	100000	150000	350000
4.	Contingency	50000	50000	50000	150000
5.	Miscellaneous	100000	50000	50000	200000
6.	Workshop/Conference/Seminars	100000	100000	200000	400000
	Total	2350000	2300000	2684000	7334000
7.	Overheads 8%	515000	230000	268400	1013400
	Grand Total	2865000	2530000	2952400	8347400

Project Staff Salaries: Rs.25,000/- p.m. + HRA for 1 & 2nd yrs & 28,000/- p.m. + HRA for 3rd yrs as per DST new guidelines. Applicable HRA is 30% for Category 'X' Cities, 20% for Category 'Y' Cities and 10% for Category 'Z' Cities as per GOI norms.

Institutional Overheads: 8% of the total project cost for R&D projects, 8% or Rs 5.00 lakh whichever is minimum for non- R&D projects.

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A. Sharma

PROPOSAL -3 : (T-463)

Project Title: Generation and labelling of LiDAR Point cloud for Automatic Classification Through CNN Approach.

PI : Dr. Bharat Lohani, IIT-Kanpur

Sl.No	Item	1 st Year	2 nd Year	3 rd year	Total
1.	Project Staff				
	SRF-1@ Rs. 28,000/- + 20% HRA for 32 months	403200	403200	268800	1075200
	JRF-2 @ Rs. 25,000/- +20% HRA for two years.	720000	720000	0	1440000
	Project Assistant-03 @ Rs. 15,000/- for two years	540000	540000	0	1080000
2.	Travel	50000	50000	50000	150000
3.	Consumable	50000	25000	25000	100000
4.	Miscellaneous	0	50000	50000	100000
	Total	1763200	1788200	393800	3945200
5.	Overheads 8%	273856	143056	31504	448416
	Grand Total	2037056	1931256	425304	4393616

Project Staff Salaries: Rs.25,000/- p.m. + HRA for 1 & 2nd yrs & 28,000/- p.m. + HRA for 3rd yrs as per DST new guidelines. Applicable HRA is 30% for Category 'X' Cities, 20% for Category 'Y' Cities and 10% for Category 'Z' Cities as per GOI norms.

Institutional Overheads: 8% of the total project cost for R&D projects, 8% or Rs 5.00 lakh whichever is minimum for non- R&D projects.

PROPOSAL -4 : (T-88)

Project Title: Design and Implementation of e-learning System using Deep Learning based on Audio-Video Speech Recognition for Hearing Impaired in Native Language.

PI : Dr. L. Ashok Kumar, PSG College of Technology, Coimbatore.

Sl.No	Item	1 st Year	2 nd Year	3 rd year	Total
1.	Project Staff				
	JRF-2 @ Rs. 25,000/- +20% HRA for first two years & @ Rs. 28,000/- + 20% HRA for 3 rd year as SRF.	720000	720000	806400	2246400
2.	Travel	50000	50000	50000	150000
3.	Consumable	200000	50000	50000	300000
4.	Contingency	50000	50000	50000	150000
5.	Miscellaneous	25000	20000	20000	65000
	Total	1045000	890000	976400	2911400
6.	Overheads 10%	425100	89000	97640	611740
	Grand Total	1470100	979000	1074040	3523140

Project Staff Salaries: Rs.25,000/- p.m. + HRA for 1 & 2nd yrs & 28,000/- p.m. + HRA for 3rd yrs as per DST new guidelines. Applicable HRA is 30% for Category 'X' Cities, 20% for Category 'Y' Cities and 10% for Category 'Z' Cities as per GOI norms.

Institutional Overheads: 8% of the total project cost for R&D projects, 8% or Rs 5.00 lakh whichever is minimum for non- R&D projects.

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PROPOSAL -5 : (T-154)**Project Title:** Towards Next-Generation Deep Learning: Faster, Smaller, and Easier.**PI :** Dr. Vineeth N Balasubramanian, IIT Hyderabad

Sl.No	Item	1 st Year	2 nd Year	3 rd year	Total
1.	Project Staff				
	JRF-4 @ Rs. 25,000/- +30% HRA for first two years & @ Rs. 28,000/- + 30% HRA for 3 rd year as SRF.	1560000	1560000	1747200	4867200
2.	Travel	50000	50000	50000	150000
3.	Consumable	50000	50000	50000	150000
4.	Contingency	50000	50000	50000	150000
	Total	1710000	1710000	1897200	5317200
5.	<u>Overheads 8%</u>	184800	136800	151776	473376
	Grand Total	1894800	1846800	2048976	5790576

Project Staff Salaries: Rs.25,000/- p.m. + HRA for 1 & 2nd yrs & 28,000/- p.m. + HRA for 3rd yrs as per DST new guidelines. Applicable HRA is 30% for Category 'X' Cities, 20% for Category 'Y' Cities and 10% for Category 'Z' Cities as per GOI norms.

Institutional Overheads: 8% of the total project cost for R&D projects, 8% or Rs 5.00 lakh whichever is minimum for non- R&D projects.

PROPOSAL -6 : (T-851)**Project Title:** Deep learning for improving Photoacoustic Imaging.**PI :** Dr. Phaneendra Kumar Yalavarthy, IISc Bangalore

Sl.No	Item	1 st Year	2 nd Year	3 rd year	Total
1.	Project Staff				
	JRF-1 @ Rs. 25,000/- +30% HRA for first two years & @ Rs. 28,000/- + 30% HRA for 3 rd year as SRF.	390000	390000	436800	1216800
2.	Travel	50000	50000	50000	150000
3.	Consumable	200000	200000	200000	600000
4.	Contingency	50000	50000	50000	150000
5.	Miscellaneous	100000	0	0	100000
	Total	790000	690000	736800	2216800
6.	<u>Overheads 8%</u>	87200	55200	58944	201344
	Grand Total	877200	745200	795744	2418144

Project Staff Salaries: Rs.25,000/- p.m. + HRA for 1 & 2nd yrs & 28,000/- p.m. + HRA for 3rd yrs as per DST new guidelines. Applicable HRA is 30% for Category 'X' Cities, 20% for Category 'Y' Cities and 10% for Category 'Z' Cities as per GOI norms.

Institutional Overheads: 8% of the total project cost for R&D projects, 8% or Rs 5.00 lakh whichever is minimum for non- R&D projects.

PROPOSAL -7 : (T-972)**Project Title:** V2D : Video to Description Generation using Deep Learning.**PI :** Dr. Arijith Mondol, IIT-Patna

Sl.No	Item	1 st Year	2 nd Year	3 rd year	Total
1.	Project Staff				
	JRF-2 @ Rs. 25,000/- for first two years & @ Rs. 28,000/- for 3 rd year as SRF.	600000	600000	672000	1872000
2.	Travel	50000	50000	50000	150000
3.	Contingency	50000	50000	50000	150000
	Total	700000	700000	772000	2172000

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4.	<u>Overheads 8%</u>	120000	56000	61760	237760
	Grand Total	820000	756000	833760	2409760

Project Staff Salaries: Rs.25,000/- p.m. + HRA for 1 & 2nd yrs & 28,000/- p.m. + HRA for 3rd yrs as per DST new guidelines. Applicable HRA is 30% for Category 'X' Cities, 20% for Category 'Y' Cities and 10% for Category 'Z' Cities as per GOI norms.

Institutional Overheads: 8% of the total project cost for R&D projects, 8% or Rs 5.00 lakh whichever is minimum for non- R&D projects.

PROPOSAL -8 : (T-1071)

Project Title: Development of Deep Neural Network based Face Recognition software for Identification and Verification of human from Single Sample per person test image (static).

PI : Dr. Soma Mitra, C-DAC, Kolkata & Prof. Subhashis Banerjee, IIT-Delhi

Budget : C-DAC Kolkata.

Sl.No	Item	1 st Year	2 nd Year	3 rd year	Total
1.	Project Staff				
	SRF-3 @ Rs. 28,000/- + 30% HRA	1310400	1310400	1310400	3931200
2.	Travel	50000	50000	50000	150000
3.	Consumables	25000	25000	25000	75000
	Total	1385400	1385400	1385400	4156200
5.	<u>Overheads</u>	138540	138540	138540	415620
	Grand Total	1523940	1523940	1523940	4571820

Budget : IIT-Delhi

Sl.No	Item	1 st Year	2 nd Year	3 rd year	Total
1.	Project Staff				
	JRF-1 @ Rs. 25,000/- + 30% HRA for first 2 years and @Rs. 28,000/- + 30% HRA for 3 rd year as SRF.	390000	390000	436800	1216800
2.	Travel	50000	50000	50000	150000
	Total	440000	440000	486800	1366800
5.	<u>Overheads 8%</u>	35200	35200	38944	109344
	Grand Total	475200	475200	525744	1476144

Project Staff Salaries: Rs.25,000/- p.m. + HRA for 1 & 2nd yrs & 28,000/- p.m. + HRA for 3rd yrs as per DST new guidelines. Applicable HRA is 30% for Category 'X' Cities, 20% for Category 'Y' Cities and 10% for Category 'Z' Cities as per GOI norms.

Institutional Overheads: 8% of the total project cost for R&D projects, 8% or Rs 5.00 lakh whichever is minimum for non- R&D projects.

PROPOSAL -9 : (T-8)

Project Title: Large Scale Biological Network Reconstruction and Analysis for Identifying Therapeutic Targets for Alzheimer's: A Big Data Initiative.

PI : Dr. Dr Swarup Roy, Sikkim (Central) University, Shillong

Sl.No	Item	1 st Year	2 nd Year	3 rd year	Total
1.	Project Staff				
	JRF-3 @ Rs. 25,000/- +10% HRA for first two years & @ Rs. 28,000/- + 10% HRA for 3 rd year as SRF.	990000	990000	1108800	3088800
2.	Travel	50000	50000	50000	150000
3.	Consumable	30000	30000	30000	90000
4.	Contingency	50000	50000	50000	150000
	Total	1120000	1120000	1238800	3478800
5.	<u>Overheads 10%</u>	285600	112000	123880	521480
	Grand Total	1405600	1232000	1362680	4000280

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Project Staff Salaries: Rs.25,000/- p.m. + HRA for 1 & 2nd yrs & 28,000/- p.m. + HRA for 3rd yrs as per DST new guidelines. Applicable HRA is 30% for Category 'X' Cities, 20% for Category 'Y' Cities and 10% for Category 'Z' Cities as per GOI norms.

Institutional Overheads: 8% of the total project cost for R&D projects, 8% or Rs 5.00 lakh whichever is minimum for non- R&D projects.

PROPOSAL -10 : (T-54)

Project Title: Detection of cause of life threatening diseases by examining the human genome in Microarray data using distributed implementation of algorithms.

PI : Dr. R. Dhanalakshmi, NIT-Puducherry & Dr. Devendra Kumar Tayal, IGDTU for Women, New Delhi

Budget for NIT Puducherry

Sl.No	Item	1 st Year	2 nd Year	3 rd year	Total
1.	Project Staff				
	JRF-1 @ Rs. 25,000/- +10% HRA for first two years & @ Rs. 28,000/- + 30% HRA for 3 rd year as SRF.	330000	330000	369600	1029600
2.	Travel	50000	50000	50000	150000
3.	Consumable - Stationary	20000	20000	20000	60000
4.	Contingency -	50000	50000	50000	150000
5.	Miscellaneous	25000	25000	25000	75000
	Total	475000	475000	514600	1464600
6.	Overheads 8%	68000	38000	41168	147168
	Grand Total	543000	513000	555768	1611768

Budget for IGDTU for Women-Delhi.

Sl.No	Item	1 st Year	2 nd Year	3 rd year	Total
1.	Project Staff				
	JRF-1 @ Rs. 25,000/- +10% HRA for first two years & @ Rs. 28,000/- + 30% HRA for 3 rd year as SRF.	330000	330000	369600	1029600
2.	Travel	50000	50000	50000	150000
3.	Consumable	20000	20000	20000	60000
4.	Contingency	50000	50000	50000	150000
5.	Miscellaneous	25000	25000	25000	75000
	Total	475000	475000	514600	1464600
6.	Overheads 8%	68000	38000	41168	147168
	Grand Total	543000	513000	555768	1611768

Project Staff Salaries: Rs.25,000/- p.m. + HRA for 1 & 2nd yrs & 28,000/- p.m. + HRA for 3rd yrs as per DST new guidelines. Applicable HRA is 30% for Category 'X' Cities, 20% for Category 'Y' Cities and 10% for Category 'Z' Cities as per GOI norms.

Institutional Overheads: 8% of the total project cost for R&D projects, 8% or Rs 5.00 lakh whichever is minimum for non- R&D projects.

PROPOSAL -11 : (T-136)

Project Title: Data Reduction Techniques for Genomic and Transcriptomic data sets.

PI : Dr. Shandar Ahmad, JNU-New Delhi

Sl.No	Item	1 st Year	2 nd Year	3 rd year	Total
1.	Project Staff				
	JRF-1 @ Rs. 25,000/- +30% HRA for first two years & @ Rs. 28,000/- + 30% HRA for 3 rd year as SRF.	390000	390000	436800	1216800
	JRF-1@Rs. 25,000/- + 30% HRA for two years.	390000	390000	0	780000

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2.	Consumable	100000	100000	100000	300000
3.	Contingency	50000	50000	50000	150000
	Total	930000	930000	586800	2446800
4.	Overheads 8%	194400	74400	46944	315744
	Grand Total	1124400	1004400	633744	2762544

Project Staff Salaries: Rs.25,000/- p.m. + HRA for 1 & 2nd yrs & 28,000/- p.m. + HRA for 3rd yrs as per DST new guidelines. Applicable HRA is 30% for Category 'X' Cities, 20% for Category 'Y' Cities and 10% for Category 'Z' Cities as per GOI norms.

Institutional Overheads: 8% of the total project cost for R&D projects, 8% or Rs 5.00 lakh whichever is minimum for non- R&D projects.

PROPOSAL -12 : (T-413)

Project Title: Cancer classification using Gene Expression Data.

PI : Dr. Sunil Kumar S Manvi, REVA University-Bangalore

Sl.No	Item	1 st Year	2 nd Year	3 rd year	Total
1.	Project Staff				
	JRF-2 @ Rs. 25,000/- (1 st Year 1-JRF & 2 JRFs for 2 nd & 3 rd year.	300000	600000	600000	1500000
2.	Consumable	50000	50000	50000	150000
3	Travel	50000	50000	50000	150000
4.	Contingency	50000	50000	50000	150000
5	Miscellaneous	50000	50000	50000	150000
	Total	500000	800000	800000	2100000
6.	Overheads 8%	194500	80000	80000	354500
	Grand Total	694500	880000	880000	2454500

Project Staff Salaries: Rs.25,000/- p.m. + HRA for 1 & 2nd yrs & 28,000/- p.m. + HRA for 3rd yrs as per DST new guidelines. Applicable HRA is 30% for Category 'X' Cities, 20% for Category 'Y' Cities and 10% for Category 'Z' Cities as per GOI norms.

Institutional Overheads: 8% of the total project cost for R&D projects, 8% or Rs 5.00 lakh whichever is minimum for non- R&D projects.

PROPOSAL -13 : (T-138)

Project Title: Learning from Egocentric Videos.

PI : Dr. Chetan Arora, IIT-Delhi & Dr. Prof. C.V.Jawahar, IIIT-Hyderabad

Budget for IIT-Delhi.

Sl.No	Item	1 st Year	2 nd Year	3 rd year	Total
1.	Project Staff				
	SRF-1 @ Rs. 28,000/- + 30% HRA.	436800	436800	436800	1310400
2.	Consumable	50000	50000	50000	150000
3	Travel	40000	40000	40000	120000
4.	Contingency	50000	50000	50000	150000
	Total	576800	576800	576800	1730400
5.	Overheads 10%	175180	75680	57680	290540
	Grand Total	751980	634480	634480	2020940

Budget for IIIT-Hyderabad.

Sl.No	Item	1 st Year	2 nd Year	3 rd year	Total
1.	Project Staff				
	SRF-1 @ Rs. 28,000/- + 30% HRA.	436800	436800	436800	1310400
	Project Associate-1@Rs. 20,000/-	240000	240000	240000	720000
2.	Consumable	25000	25000	25000	75000
3	Travel	40000	40000	40000	120000
4.	Contingency	50000	50000	50000	150000
	Total	791800	791800	791800	2375400

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5.	<u>Overheads 10%</u>	126680	79180	79180	285040
	Grand Total	918480	870980	870980	2660440

Project Staff Salaries: Rs.25,000/- p.m. + HRA for 1 & 2nd yrs & 28,000/- p.m. + HRA for 3rd yrs as per DST new guidelines. Applicable HRA is 30% for Category 'X' Cities, 20% for Category 'Y' Cities and 10% for Category 'Z' Cities as per GOI norms.

Institutional Overheads: 8% of the total project cost for R&D projects, 8% or Rs 5.00 lakh whichever is minimum for non- R&D projects.

PROPOSAL -14 : (T-96)

Project Title: Assessment of multi-stakeholder engagement in tourism - Insights from social media and service providers.

PI : Dr. Arpan Kumar Kar, IIT-Delhi

Sl.No	Item	1 st Year	2 nd Year	Total
1.	Project Staff			
	SRF-1 @ Rs. 28,000/- + 30% HRA.	436800	436800	873600
2.	Consumable	100000	900000	1000000
3	Travel	50000	50000	100000
4.	Contingency	50000	50000	100000
5	Miscellaneous	100000	100000	200000
	Total	736800	1536800	2273600
6.	<u>Overheads 8%</u>	84264	122944	207208
	Grand Total	821064	1659744	2480808

Project Staff Salaries: Rs.25,000/- p.m. + HRA for 1 & 2nd yrs & 28,000/- p.m. + HRA for 3rd yrs as per DST new guidelines. Applicable HRA is 30% for Category 'X' Cities, 20% for Category 'Y' Cities and 10% for Category 'Z' Cities as per GOI norms.

Institutional Overheads: 8% of the total project cost for R&D projects, 8% or Rs 5.00 lakh whichever is minimum for non- R&D projects.

PROPOSAL -15 : (T-739)

Project Title: Multi Graph based Anomaly Detection Model for Social Network Analysis using Machine Learning.

PI : Dr. M. Venkatesan, NIT-Karnataka

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Sl.No	Item	1 st Year	2 nd Year	3 rd year	Total
1.	Project Staff				
	JRF-1 @ Rs. 25,000/- + 20% HRA for two years and @Rs. 28,000/- + 20% HRA for 3 rd year as SRF.	360000	360000	403200	1123200
2.	Consumable	60000	60000	60000	180000
3	Travel	50000	50000	50000	150000
4.	Contingency	50000	50000	50000	150000
5	Miscellaneous	40000	40000	40000	120000
	Total	560000	560000	603200	1723200
6.	<u>Overheads 8%</u>	156560	44800	48256	249616
	Grand Total	716560	604800	651456	1972816

Project Staff Salaries: Rs.25,000/- p.m. + HRA for 1 & 2nd yrs & 28,000/- p.m. + HRA for 3rd yrs as per DST new guidelines. Applicable HRA is 30% for Category 'X' Cities, 20% for Category 'Y' Cities and 10% for Category 'Z' Cities as per GOI norms.

Institutional Overheads: 8% of the total project cost for R&D projects, 8% or Rs 5.00 lakh whichever is minimum for non- R&D projects.

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PROPOSAL -16 : (T-856)

Project Title: Design and implementation of Content Based Recommender System for effectively answering Web based User Queries.

PI : Dr. Yashvardhan Sharma, BITS-Pilani

Sl.No	Item	1 st Year	2 nd Year	3 rd year	Total
1.	Project Staff				
	JRF-1 @ Rs. 25,000/- + 10% HRA for two years and @Rs. 28,000/- + 10% HRA for 3 rd year as SRF.	330000	330000	369600	1029600
2	Travel	50000	50000	50000	150000
3.	Contingency	50000	50000	50000	150000
	Total	430000	430000	469600	1329600
4.	Overheads 10%	238000	43000	46960	327960
	Grand Total	668000	473000	516560	1657560

Project Staff Salaries: Rs.25,000/- p.m. + HRA for 1 & 2nd yrs & 28,000/- p.m. + HRA for 3rd yrs as per DST new guidelines. Applicable HRA is 30% for Category 'X' Cities, 20% for Category 'Y' Cities and 10% for Category 'Z' Cities as per GOI norms.

Institutional Overheads: 8% of the total project cost for R&D projects, 8% or Rs 5.00 lakh whichever is minimum for non- R&D projects.

PROPOSAL -17 : (T-44)

Project Title: Methods and mobile applications for interpretation of emotion in various Odia dialects.

PI : Dr. Manorama Swain, Silicon Institute of Technology, Bhubaneswar

Sl.No	Item	1 st Year	2 nd Year	3 rd year	Total
1.	Project Staff				
	JRF-1 @ Rs. 25,000/- + 20% HRA for two years and @Rs. 28,000/- + 20% HRA for 3 rd year as SRF.	360000	360000	403200	1123200
2	Travel	50000	50000	50000	150000
3.	Contingency	50000	50000	50000	150000
4	Consumables	50000	50000	50000	150000
	Total	510000	510000	553200	1573200
5.	Overheads 10%	131000	51000	55320	237320
	Grand Total	641000	561000	608520	1810520

Project Staff Salaries: Rs.25,000/- p.m. + HRA for 1 & 2nd yrs & 28,000/- p.m. + HRA for 3rd yrs as per DST new guidelines. Applicable HRA is 30% for Category 'X' Cities, 20% for Category 'Y' Cities and 10% for Category 'Z' Cities as per GOI norms.

Institutional Overheads: 8% of the total project cost for R&D projects, 8% or Rs 5.00 lakh whichever is minimum for non- R&D projects.

PROPOSAL -18 : (T-195)

Project Title: Preservation and analysis of the century-long solar data from Kodaikanal Solar Observatory.

PI : Dr. Dipankar Banerjee, IIA-Bangalore

Sl.No	Item	1 st Year	2 nd Year	3 rd year	Total
1.	Project Staff				
	Project Scientific Associate-II @ Rs. 60,000/-	720000	720000	720000	2160000
	JRF-1 @ Rs. 25,000/- + 30% HRA for two years and @Rs. 28,000/- + 30% HRA for 3 rd year as SRF.	390000	390000	436800	1216800
2	Travel	50000	50000	50000	150000
3.	Contingency	50000	50000	50000	150000
4	Miscellaneous	50000	50000	35000	135000

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	Total	1260000	1260000	1291800	3811800
5.	Overheads 8%	300800	100800	103344	504944
	Grand Total	1560800	1360800	1395144	4316744

Project Staff Salaries: Rs.25,000/- p.m. + HRA for 1 & 2nd yrs & 28,000/- p.m. + HRA for 3rd yrs as per DST new guidelines. Applicable HRA is 30% for Category 'X' Cities, 20% for Category 'Y' Cities and 10% for Category 'Z' Cities as per GOI norms.

Institutional Overheads: 8% of the total project cost for R&D projects, 8% or Rs 5.00 lakh whichever is minimum for non- R&D projects.

PROPOSAL -19 : (T-198)

Project Title: Natural non-native English speech synthesis.
PI : Dr. Prasanta Kumar Ghosh, IISc-Bangalore

Sl.No	Item	1 st Year	2 nd Year	3 rd year	Total
1.	Project Staff				
	JRF-2 @ Rs. 25,000/- +30% HRA for first two years & @ Rs. 28,000/- + 30% HRA for 3 rd year as SRF.	780000	780000	873600	2433600
2.	Travel	50000	50000	50000	150000
3.	Consumable	200000	200000	200000	600000
4.	Contingency	50000	50000	50000	150000
	Total	1080000	1080000	1173600	3333600
5.	Overheads 8%	194400	86400	93888	374688
	Grand Total	1274400	1166400	1267488	3708288

Project Staff Salaries: Rs.25,000/- p.m. + HRA for 1 & 2nd yrs & 28,000/- p.m. + HRA for 3rd yrs as per DST new guidelines. Applicable HRA is 30% for Category 'X' Cities, 20% for Category 'Y' Cities and 10% for Category 'Z' Cities as per GOI norms.

Institutional Overheads: 8% of the total project cost for R&D projects, 8% or Rs 5.00 lakh whichever is minimum for non- R&D projects.

PROPOSAL -20 : (T-285)

Project Title: Design and Development of an Adaptive Brain Computer Interface (BCI) based Assistive Tool for Paralytic People.
PI : Dr. E. Grace Mary Kanaga, Karunya University

Sl.No	Item	1 st Year	2 nd Year	3 rd year	Total
1.	Project Staff				
	JRF-1 @ Rs. 25,000/- + 20% HRA for two years and @Rs. 28,000/- + 20% HRA for 3 rd year as SRF.	360000	360000	403200	1123200
2.	Travel	45000	45000	45000	135000
3.	Consumable	30000	20000	20000	70000
4.	Contingency	20000	20000	20000	60000
5.	Miscellaneous	10000	10000	10000	30000
	Total	465000	455000	498200	1418200
6.	Overheads 10%	257805	45500	49820	353125
	Grand Total	722805	500500	548020	1771325

Project Staff Salaries: Rs.25,000/- p.m. + HRA for 1 & 2nd yrs & 28,000/- p.m. + HRA for 3rd yrs as per DST new guidelines. Applicable HRA is 30% for Category 'X' Cities, 20% for Category 'Y' Cities and 10% for Category 'Z' Cities as per GOI norms.

Institutional Overheads: 8% of the total project cost for R&D projects, 8% or Rs 5.00 lakh whichever is minimum for non- R&D projects.

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PROPOSAL-21 : (T-226)

Project Title: Machine Learning models to create a robust farm advisory system to improve farm performance and welfare of farms.

PI : Prof. U. Dinesh Kumar, IIM-Bangalore

Sl.No	Item	1 st Year	2 nd Year	3 rd year	Total
1.	Project Staff				
	RA-I-1 No @ Rs. 36,000/- + 30% HRA	561600	561600	561600	1684800
	Project Assistant @ Rs. 15,000/-	180000	180000	180000	540000
2.	Travel	50000	50000	50000	150000
3.	Consumable	25000	25000	25000	75000
4.	Contingency	50000	50000	50000	150000
5.	Other cost (data collection)	200000	100000	0	300000
	Total	1066600	966600	866600	2899800
6.	Overheads 8%	101328	77328	69328	247984
	Grand Total	1167928	1043928	935928	3147784

Project Staff Salaries: Rs.25,000/- p.m. + HRA for 1 & 2nd yrs & 28,000/- p.m. + HRA for 3rd yrs as per DST new guidelines. Applicable HRA is 30% for Category 'X' Cities, 20% for Category 'Y' Cities and 10% for Category 'Z' Cities as per GOI norms.

Institutional Overheads: 8% of the total project cost for R&D projects, 8% or Rs 5.00 lakh whichever is minimum for non- R&D projects.

PROPOSAL-22 : (T-641)

Project Title: Explorations in Astrophysical Data Mining, Astrostatistics, and Astroinformatics.

PI : Dr. Shantanu Desai, IIT-Hyderabad

Sl.No	Item	1 st Year	2 nd Year	3 rd year	Total
1.	Project Staff				
	JRF-3 @ Rs. 25,000/- +30% HRA for first two years & @ Rs. 28,000/- + 30% HRA for 3 rd year as SRF.	1170000	1170000	1310400	3650400
2.	Travel	50000	50000	50000	150000
3.	Consumable	40000	40000	40000	120000
4.	Contingency	50000	50000	50000	150000
	Total	1310000	1310000	1450400	4070400
5.	Overheads 8%	240800	104800	116032	461632
	Grand Total	1550800	1414800	1566432	4532032

Project Staff Salaries: Rs.25,000/- p.m. + HRA for 1 & 2nd yrs & 28,000/- p.m. + HRA for 3rd yrs as per DST new guidelines. Applicable HRA is 30% for Category 'X' Cities, 20% for Category 'Y' Cities and 10% for Category 'Z' Cities as per GOI norms.

Institutional Overheads: 8% of the total project cost for R&D projects, 8% or Rs 5.00 lakh whichever is minimum for non- R&D projects.

PROPOSAL-23 : (T-924)

Project Title: Distributed Multi-Agent Algorithms for Dynamic Control of Microgrids.

PI : Dr. Shalabh Bhatnagar, IISc-Bangalore

Sl.No	Item	1 st Year	2 nd Year	3 rd year	Total
1.	Project Staff				
	Scientist-3	1320000	1320000	1320000	3960000
2.	Travel	50000	50000	50000	150000
3.	Consumable	200000	200000	100000	500000
4.	Contingency	50000	50000	50000	150000
	Total	1620000	1620000	1520000	4760000
5.	Overheads 8%	159200	129600	121600	410400

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Grand Total	1779200	1749600	1641600	5170400
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Project Staff Salaries: Rs.25,000/- p.m. + HRA for 1 & 2nd yrs & 28,000/- p.m. + HRA for 3rd yrs as per DST new guidelines. Applicable HRA is 30% for Category 'X' Cities, 20% for Category 'Y' Cities and 10% for Category 'Z' Cities as per GOI norms.

Institutional Overheads: 8% of the total project cost for R&D projects, 8% or Rs 5.00 lakh whichever is minimum for non- R&D projects.

PROPOSAL -24:

Project Title: Co-ordination project.

PI : Dr. Ashish Ghosh, ISI-Kolkata

Sl.No	Budget Head	1 st year	2 nd year	3 rd year	Total
1	Project Staff				
	Programme Manager	300000	300000	300000	900000
	Coordinator Fees	300000	300000	300000	900000
	Project Assistant	180000	180000	180000	540000
2	Travel	100000	100000	100000	300000
3	Consumable	250000	250000	250000	750000
4	Contingency	200000	200000	100000	500000
5	Miscellaneous	500000	500000	500000	1500000
	Total	1830000	1830000	1730000	5390000
6	Overhead	200000	200000	100000	500000
	Grand Total	2030000	2030000	1830000	5890000

Project Staff Salaries: Rs.25,000/- p.m. + HRA for 1 & 2nd yrs & 28,000/- p.m. + HRA for 3rd yrs as per DST new guidelines. Applicable HRA is 30% for Category 'X' Cities, 20% for Category 'Y' Cities and 10% for Category 'Z' Cities as per GOI norms.

Institutional Overheads: 8% of the total project cost for R&D projects, 8% or Rs 5.00 lakh whichever is minimum for non- R&D projects.

R.Sharma

The bank details for electronic transfer of funds through RTGS are given below:-

Sl.No	Beneficiary	Account Number	Bank Name	IFSC Code	MICR Code	Recurring	Total
1	IIT-Gandhinagar	1414132000011	Canara Bank	CNRB0005159	380015052	1000000	1000000
2	ISI-Kolkata	0071050000118	United Bank of India	UTBI0DLB140	700027046	1000000	1000000
3	IIT-Kanpur	10426002126	State Bank of India	SBIN0001161	208002126	1000000	1000000
4	PSG College	1481346396	Central Bank of India	CBIN0280913	641016006	1000000	1000000
5	IIT-Hyderabad	30859878032	State Bank of India	SBIN0014182	NIL	1000000	1000000
6	IISc-Bangalore	31728098170	State Bank of India	SBIN0002215	560002020	1000000	1000000
7	IIT-Patna	32899091805	State Bank of India	SBIN0017164	Nil	1000000	1000000
8	C-DAC-Kolkata	30269902443	State Bank of India	SBIN0009985	700002193	500000	500000
9	IIT-Delhi	10773572600	State Bank of India	SBIN0001077	110002156	500000	500000
10	Sikkim University	14551450000221	HDFC Bank Ltd	HDFC0001455	737240003	1000000	1000000
11	NIT-Puduchery	33803760487	State Bank of India	SBIN0001418	609002101	500000	500000
12	IGDTUW	09001000018950	Punjab and Sind Bank	PSIB0001098	110023105	500000	500000
13	JNU-Delhi	10596550879	State Bank of India	SBIN0010441	110002428	1000000	1000000
14	REVA University	6662000100000901	Karnataka Bank	KARB0000666	560052072	1000000	1000000
15	IIT-Delhi	10773572600	State Bank of India	SBIN0001077	110002156	500000	500000
16	IIT-Hyderabad	52081085019	State Bank of India	SBIN0021161	500002433	500000	500000
17	IIT-Delhi	10773572600	State Bank of India	SBIN0001077	110002156	1000000	1000000
18	NIT Karnataka	10175365060	State Bank of India	SBIN0002273	575002013	1000000	1000000
19	BITS- Pilani	01500200003028	UCO Bank	UCBA0000150	330028036	1000000	1000000
20	Silicon Institute of Technology-Bhubaneswar	380802011000162	Union Bank of India	UBIN0559512	751026010	1000000	1000000
21	IIT-Bangalore	05210100021565	Bank of Baroda	BARB0STJOHN	560012009	1000000	1000000
22	IISc-Bangalore	3172809817	State Bank of India	SBIN0002215	560002020	1000000	1000000
23	Karunya University	61372200013924	Syndicate Bank	SYNB0006137	641025010	1000000	1000000
24	IIM-Bangalore	54019812503	State Bank of India	SBIN0040803	560006140	1000000	1000000
25	IIT-Hyderabad	30859878032	State Bank of India	SBIN0014182	NIL	1000000	1000000
26	IISc-Bangalore	3172809817	State Bank of India	SBIN0002215	560002020	1000000	1000000
27	ISI-Kolkata	0071050000118	United Bank of India	UTBI0DLB140	700027046	1000000	1000000
	TOTAL					24000000	24000000

R. Sharma

Proposal for Project Vidya

By

SRN Reddy, IGDTUW

To make technology available to higher education students, who are impacted by lack of devices during the pandemic period to access online learning and exams. These students are typically economically challenged who cannot afford laptops or other devices for learning and exams. Connectivity is another big issue. While all online exams product companies offer connected mode exams, Universities have realised the limitations of such solutions due to limited connectivity and server side concurrency issues.

Keeping these requirements and challenges in mind, littlemore innovation labs has built PEXA Lite, a by product of their flagship PEXA platform for exams from home. The standout feature of PEXA Lite is that the students can write disruption free exams even without connectivity. Its a hybrid asynchronous solution. This link gives an overview of the solution: https://www.youtube.com/watch?v=HTKwpVw11n0&feature=emb_err_woyt

For the pilot, team would be porting PEXA Lite to Surface Go tablets (tbc) and enable writing as well. Students can write, draw and do all functions that would do in a paper exam. With the help of Intel funding, donation of about 60 devices can be provided to IGDTU students to conduct 2+ cycles of exams. If you have online learning underway already, those learning sessions could also be included in the pilot as well.

Project Vidhya - Objectives

This is a pilot project starting in September and to be concluded by Nov 15th 2020. The key objectives are:

1. To make technology available to underprivileged students who otherwise would have been left out of the digital education initiatives of Institutions.
2. To reduce the digital divide impact on exams and education, due to the Pandemic
3. To assess the benefits of technology through digital exams and education
4. To understand the improvements / changes required to commercially available 2- in-1 devices for handwriting based digital exams

Project Grant:- 31 Microsoft Go 2 in 1 devices worth approx. 15 lac

Duration: 1 Year [May be extended for 6 months]

Funding Agency: PPyrus, Little More Innovations and Intel

Contact Persons: Mr. Srikanth Ganesan, Founder & CEO , sri@littlemoreinnovation.com and "Verma,

Sumeet" sumeet.verma@intel.com

Deployment: M.Tech [AI – 2nd Semester],IGDTUW

Terms of the Grant

1. PPyrus will grant 31 Microsoft Go 2 in 1 devices to IGDTUW.
2. The Go 2 in 1 device featuring Windows 10, can function both as laptop and writing tablet.
3. IGDTUW will distribute these devices to 28 students and 3 faculty members of the 3rd semester M Tech batch, maintaining a list of students / faculty who received the devices 5. PPyrus will provide pre published exam software and Office 365 along with the devices.
6. The faculty members will be provided full feature access to our examination cloud eco system (including authoring, online evaluation, reports and analytics) for administering unlimited exams during the pilot timeframe.
7. The faculty and students can use MS Teams (available along with O365) for online learning and use “one note” for writing class notes.
8. Digital proctoring app will be provided on student smartphones for proctoring of students during exams.
9. As part of this pilot, IGDTUW will conduct 2 internal exam events (12 exams per student) for all students with descriptive questions as part of the exams and all learning sessions using the device.
10. The students can continue to use the device post pilot until completion of the semester for exams and learning.
11. The students will return the devices to IGDTUW. who in turn will award these devices to students in a fresh batch.
12. If the devices are in a usable condition when the students pass out of the college, IGDTUW can pass on the devices to fresh batch of students who are underprivileged.
13. IGDTUW will ensure that the students do not resell the device during this period.
14. The devices will be offered with one year warranty from Microsoft. All warranty and support for hardware and Microsoft software will be as per the terms of Microsoft.
15. The Go tablets will be supplied with a Stylus for writing. Students need to ensure that they don't damage or lose the Stylus.
16. As part of this pilot, PPyrus will collect student, faculty and IGDTUW management feedback from time to time during this pilot. These are for qualitative and quantitative analysis of student/faculty experience and to work towards making technology available to all underprivileged students.
17. On receipt of a countersigned copy of this letter, PPyrus will assign a program manager for this project who will kick start the project with key people in the M Tech batch.
18. IGDTUW will provide a sign off on completion of the pilot and provide a report of the status of the systems provided to students/faculty
19. IGDTUW, Intel and PPyrus will discuss and on a mutually agreeable terms could make a joint press release during or post the pilot.

Summary: - This proposal is based on the intel grant to Littlemore Innovations and collaborations of IGDTUW with Intel. This will provide the students to access new hardware with e-learning and e-examination capabilities and forester the knowledge towards R&D for students and faculty.

Prof SRN Reddy, Dean of Examination Affairs , IGDTUW



Ph : 27321839

GOVERNMENT OF NCT OF DELHI
DELHI KNOWLEDGE DEVELOPMENT FOUNDATION

(Society registered under Societies Registration Act of XXI, 1860)

(Registration No. S/61569/2008)

ROOM NO:-7, Board of Technical Education: MUNI MAYA RAM MARG, PITAMPURA, DELHI-110088

e-mail: ms.dkdf@gmail.com

F.No. MAE/37(3)/IGDTUW/COE-AMS/2019-20/1070

Dated: 01/01/2021

To,

Vice Chancellor (IGDTUW),
Kashmere Gate, Delhi – 110006

Subject: Establishing Center of Excellence in the Area of Advanced Mechatronics Systems at IGDTUW.

Dear Sir,

Your proposal for establishing Center of Excellence in the Area of Advanced Mechatronics Systems at IGDTUW. With an expenditure of **Rs.8,67,68,000/-** is approved by the 18th Executive Committee of Delhi Knowledge Development Foundation (DKDF) held on dated 03/11/2020 at 03.00 PM by online through Webex under the Chairmanship of Sh. H Rajesh Prasad, Pr. Secretary (TTE) / President (DKDF).

I am directed to convey the approval of 18th Executive Committee meeting of DKDF for the same. You are requested to ensure the following:

- Each center of excellence will be monitored in-house on a regular basis but at least once in a month by Vice Chancellor / Director of the concerned institute.
- Performance review of the Centers will be carried out once in six months by a team to be constituted by President DKDF / Pr. Secretary (TTE).
- Centers of Excellence should offer internship in addition to its own students and to the students of Universities / Colleges / Polytechnics / ITI's under the Department of Training and Technical Education.
- Observation of all codal formalities.
- Observation of instructions issued by Finance Department GNCTD/CVC/DTTE from time to time.

In view of the above you are requested to send a panel of 6-8 experts to be approved by Pr. Secretary (TTE)/President (DKDF) for performance review of establishing Center of Excellence in the Area of Advanced Mechatronics Systems at IGDTUW

Thanking you


(Ashwani Kumar Kansal)
MEMBER SECRETARY (DKDF)

Dated:

F.No. MAE/37(3)/IGDTUW/COE-AMS/2019-20/

Copy to:-

1. P.S. to Pr. Secretary (TTE)/President (DKDF), Delhi.
2. P.S. to Director (TTE), Delhi.
3. P.S. to Joint Director (TTE)
4. DCA (TTE)/Treasurer (DKDF)
5. Guard File


(Ashwani Kumar Kansal)
MEMBER SECRETARY (DKDF)



- AdhocReports
- SchemeWiseContactDetails
- Home
- AM Reports
- Fasters
- Users
- Agency
- Sanctions
- ReSanction
- Sanction Custom Fields
- Printing Templates
- Sanction Templates
- Employee Info. System
- Reports
- Fasters
- Y Schemes
- Agencies
- Funds
- Scheme Allocation
- Register/ Track Issue
- Utilisation Certificate
- DU C

Payee Details

Controller: 037-SCIENCE AND TECHNOLOGY
Sanction Status: **Approved**
Sanction Number: DST/CURIE-AI(IGDTUW)/02/2020-PHASE-II (G)
Sanction Date: 29/12/2020
Sanction Type: Transfer (DDO Bill)
Sanction Amount: 18459596
IFD Number: 4114
IFD Date: 28/12/2020
Scheme: 1817-Science and Technology Institutional and Human Capacity Building
PAO: 058296-PAO(DST), New Delhi
DDO: 258297-DEPARTMENT OF SCIENCE & TECHNOLOGY (INCLUDING,NCST)
Remarks: 1st Installment-CURIE

North East Expenditure

Account Details:

Grant	Department (For UT Grants Only)	Function Head	Object Head	Category	Amount	External PAO	Available Budget
087 - Department of Science and Technology		3425602006801 - DISHA PROGRAMME FOR WOMEN IN SCIENCE	31 - GRANTS-IN-AID GENERAL	5 - VOTED	18459596		234509719

Agency	Bank Account No	Amount	Instrument Type
Indira Gandhi Delhi Technical University for Women	09001000018950 - REGISTRAR IGDTU	18,459,596.00	<input checked="" type="radio"/> RTGS

Payment Details

Accredited Bank UNION BANK OF INDIA Amount 18459596 **Not Payable Before : *** Required

Party Name	IFSC Code	Party Account No	Amount	Payee Remarks
REGISTRAR IGD	PSIB0001098	09001000018950	18459596	1st Installment-CURIE

Note: If the IFSC Code is not automatically shown it means bank A/C is not validated.If payment process is urgent please key in the IFSC Code and process payment.Please ensure IFSC Code is correct.

[Back](#)

PAWAN KUMAR / PAWAN KUMAR
 Scientist 'C'
 DEPTT. OF SCIENCE & TECHNOLOGY
 भारत सरकार / Government of India
 नई दिल्ली-110016 / New Delhi-110016
 29/12/2020

DST/CURIE-AI(IGDTUW)/02/2020-PHASE-II (G)

Government of India
Ministry of Science & Technology
Department of Science & Technology
(KIRAN Division)

Technology Bhavan,
New Delhi-110016
Dated: 29/12/2020

ORDER

Sub:-Financial assistance for the project titled "Core Research grant for Artificial Intelligence (AI) to Indira Gandhi Delhi Technical Women University (IGDTUW), Delhi under CURIE programme" under the guidance of Dr. Amita Dev, Vice Chancellor, Indira Gandhi Delhi Technical Women University (IGDTUW), Delhi-110 006.

Sanction of the President is hereby accorded to the approval of the above mentioned project at a total cost of **Rs. 802,68,875/- (Rupees Eight Crore Two Lac Sixty Eight Thousand Eight Hundred Seventy Five Only)** to Indira Gandhi Delhi Technical Women University (IGDTUW), Delhi-110 006 for a duration of three years. The detailed breakup of the grant for General & Capital Components is given below:-

General Component: **Rs.376,94,962/-**
Capital Assets : **Rs.425,73,913/-**
TOTAL : **Rs.802,68,875/-**

S. No.	Proposed Budget Head	1 st year	2 nd year	3 rd year	Total Amount
A. Capital Assets					
1.	Setting-up of AI Centre for Excellence				
i.	Centre for Natural Language Processing (NLP)				
	Deep Learning System (High Performance Computational Server [DGX A100 Server with 8 X NVIDIA A100 TENSOR CORE GPUs , 320 GB GPU Memory] equivalent or higher	189,98,000/-	-	-	189,98,000/-
	Equipment i.e. Digital Voice Recorder, OmniDirectional & Cardioid Microphone, Video Recording Device, Webcams Voice equipped Raspberry Pi 4 and Voice Recognition and other Module, Sound Detection & other Sensors etc.	5,00,000/-	-	-	5,00,000/-

P. Kumar
29/12/2020

	Software Tools/Cloud/APIs and Data Sets [i.e. Google Cloud Vision API, Emotions Biosensor Software, Google Cloud Speech-To-Text-API, Wave Pad FFT Sound Analyzer, Neural Designer Data Science Analyzer etc.]	10,00,000/-	10,00,000/-	10,00,000/-	30,00,000/-
ii.	Drones Innovation Centre				
	Drone Kits with consumable and Drone Simulator Software 02 nos.	51,11,760/-	-	-	51,11,760/-
iii.	Robotics & Automation Innovation Centre				
	FLUIDSIM Pneumatic Simulation Software (V5), 10 Network License in a DONGLE - 1 No., Installation & Commissioning [1 hardware + 10 User License software for pneumatics	6,80,873/-	-	-	6,80,873/-
	01 Robot with two hands & 3 years AMC with onsite technical support	-	40,00,000/-	-	40,00,000/-
	PTC CREO software 6 years subscription 50 user license.	8,26,000/-	-	-	8,26,000/-
iv.	Centre for Computer/Machine Vision (AR/VR) [Augmented Reality/Virtual Reality Lab Technology]:				
	Virtual Reality Display Projection System with Front Projection screen, 3D Active Stereo Glasses, Head Tracking solution, with Presentation devices and Head Mounted Device etc.	94,57,280/-	-	-	94,57,280/-
	SUB-TOTAL (A)	365,73,913/-	50,00,000/-	10,00,000/-	425,73,913/-
B. Recurring					
2.	Consumables	10,00,000/-	10,00,000/-	15,00,000/-	35,00,000/-
3.	Research & Infrastructure Facility	45,00,000/-	8,00,000/-	7,00,000/-	60,00,000/-
4.	Networking &	55,00,000/-	15,00,000/-	12,00,000/-	82,00,000/-

P. Kumar
29/12/2020

	Computational Facilities				
5.	Maintenance of Equipments	-	5,00,000/-	10,00,000/-	15,00,000/-
6.	Travel	1,00,000/-	3,50,000/-	3,50,000/-	8,00,000/-
7.	Contingencies	3,00,000/-	8,50,000/-	8,50,000/-	20,00,000/-
8.	Conferences/ Workshops /Seminars/Training etc.	8,00,000/-	12,00,000/-	12,00,000/-	32,00,000/-
9.	Manpower Research Associates-2 nos. @Rs.54,000/- + 24 % HRA+ Rs.2,000/- Medical Allowance Project Assistant-02 nos. @Rs.22,000/- (Consolidated)	21,83,040/-	21,83,040/-	21,83,040/-	65,49,120/-
10.	Overhead Charges @ 8%	40,76,556/-	10,70,643/-	7,98,643/-	59,45,842/-
	SUB-TOTAL (B)	184,59,596/-	94,53,683/-	97,81,683/-	376,94,962/-
	TOTAL	550,33,509/-	144,53,683/-	107,81,683/-	802,68,875/-

2. The sanction of the President is also accorded to the release of **Rs. 184,59,596/- (Rupees One Crore Eighty Four Lac Fifty Nine Thousand Five Hundred Ninety Six Only)** to the Registrar, **Indira Gandhi Delhi Technical Women University (IGDTUW), Delhi-110 006** being the first installment of grant for implementation of the above mentioned project.
3. This sanction is subject to the condition that the grantee organization will furnish to the Department of Science & Technology, financial year wise Utilization Certificate (UC) in the proforma prescribed as per GFR 2017 and audited statement of expenditure (SE) along with up to date progress report at the end of each financial year duly reflecting the interest earned/ accrued on the grants received under the project. This is also subject to the condition of submission of the final statement of expenditure, utilization certificate and project completion report within one year from the scheduled date of completion of the project.
4. The grantee organization will have to enter & upload the Utilization Certificate in the PFMS portal besides sending it in physical form to this Division. The subsequent/ final installment will be released only after confirmation of the acceptance of the UC by the Division and entry of previous Utilization Certificate in the PFMS.
5. If the grant has been released under capital head through separate sanction order under the same project for purchase of equipment(s), separate SE&UC has to be furnished for the released Capital head grant.
6. The grant-in-aid being released is subject to the condition that
 - (a) a transparent procurement procedure through GEM in line with the Provision of General Financial Rules 2017 will be followed by the Institute/Organization under the appropriate rules of the grantee organization while procuring capital assets sanctioned for the above mentioned project and a certificate to this effect will be submitted by the Grantee organization immediately on receipt of the grant.

P. Kumar
29/12/2020

(b) While submitting Utilization Certificate & Statement of Expenditure, the organization has to ensure submission of supporting documentary evidences with regard to purchase of equipment/capital assets as per the provisions of GFR 2017. Subsequent release of grants under the project shall be considered only on receipt of the said documents.

7. "The grantee organization will maintain separate audited account for the project and the entire amount of grant will be kept in an interest bearing account. For Grants released during F.Y. 2019-20 and onwards, all interests and other earnings against released Grant shall be remitted to Consolidated Fund of India (through Non-Tax Receipt Portal (NTRP), i.e. www.bharatkosh.gov.in), immediately after finalization of accounts, as it shall not be adjusted towards future release of Grant. A certificate to this effect shall have to be submitted along with Statement of Expenditure / Utilization Certificate for considering subsequent release of Grant/ Closure of Project accounts."

"(Name of the Institution) agrees to make reservations for Scheduled Castes and Scheduled Tribes or OBC in the posts or services under its control on the lines indicated by the Government of India". (ii) While sanctioning Grants-in-aid to Institutions or Organizations referred to in (a) above, the Grant sanctioning authority should keep in view the progress made by such Institutions or Organization in employing Scheduled Castes and Scheduled Tribes or OBC candidates in their services and also as per the GFR 2017 Rule 230(17)."

8. The aforesaid concurrence is subject to the stipulation that continuation beyond 31.03.2021 will be subject to appraisal and approval for continuation of the Schemes under which these project are funded, as mentioned by DoE's in their OM No.42(02)/PF-II/2014, dated 06.08.2020.

9. As per Rule 149 of GFR, 2017, the Goods (Consumables/equipment) available in GeM portal are to be procured mandatorily online through GeM only.

10. "GI is advised to start using EAT module and next release will be made only after mapping and following EAT modules by the grantee institution."

11. (a). DST reserves sole rights on the assets out of grants. Assets acquired wholly or substantially out of government grants (except those declared as obsolete and unserviceable or condemned in accordance with the procedure laid down in GFR 2017), shall not be disposed of without obtaining the prior approval of DST.

(b). DST reserves rights to close the project activity any time based on the review of progress of the project.

(c). A prior intimation to DST by grantee is must before leaving the country for attending conference/availing any short term fellowship abroad during the project tenure.

12. The account of the grantee organization shall be open to inspection by the sanctioning authority and audit (both by C & AG of India and Internal Audit by the Principal Accounts Office of the DST), whenever the organization is called upon to do so, as laid down under Rule 236(1) of General Financial Rules 2017.

13. Due acknowledgment of technical support / financial assistance resulting from this project grant should mandatorily be highlighted by the grantee organization in bold letters in all publications / media releases as well as in the opening paragraphs of their Annual Reports during and after the completion of the project.

14. Failure to comply with the terms and condition of the Bond will entail full refund with interest in terms of Rule 231 (2) of GFR 2017.

R. Kumar
29/12/2020

15. The expenditure of **Rs. 184,59,596/-** involved is debitable to Demand No.87, Department of Science & Technology for the year 2020-21:

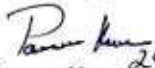
3425	Other Scientific Research (Major Head)
60	Others (Sub-Major Head)
60.200	Assistance to other Scientific Bodies (Minor Head)
68	Science and Technology Institutional and Human Capacity Building (Sub Head)
01	Disha Programme for Women in Science
68.01.31	Grants-in-aid General for the year 2020-21 (Voted) (Previous: Disha Programme for Women in Science 3425.60.200.55.01.31)

15. The amount of **Rs. 184,59,596/- (Rupees One Crore Eighty Four Lac Fifty Nine Thousand Five Hundred Ninety Six Only)** will be drawn by the Drawing and Disbursing Officer, DST and will be disbursed to the Registrar, Indira Gandhi Delhi Technical Women University (IGDTUW), Delhi-110 006. The bank details for electronic transfer of funds through RTGS are given below:-

Name of Account Holder	Indira Gandhi Delhi Technical University for Women
Bank Name	Punjab and Sindh Bank
Bank Account Number	09001000018950
Bank Name & Branch	IGDTUW Campus, Kashmiri Gate
IFSC Code	PSIB0001098

16. As per Rule 234 of GFR 2017, this sanction has been entered at **S. No.784** in the register of grants maintained in the Division for the scheme (KIRAN: CURIE).


17. This issues with the concurrence of IFD Vide their Concurrence Dy. No. C/4114/IFD 2020-21
Dated: 28/12/2020.


(Pawan Kumar)
Scientist-'C'
011-26590290
29/12/2020

To
The Pay and Accounts Officer, Department of Science & Technology,
New Delhi.

Copy for information and necessary action to:-

1. Cash Section (3 copies) for making the payment to the grantee.
2. Account Section.
3. Director of Audit, (Scientific Deptt), AGCR Building, New Delhi – 110 002.
4. Sanction Folder
5. Head, KIRAN Division
6. Registrar, Indira Gandhi Delhi Technical University for Women, Kashmiri Gate, New Delhi
7. Prof. Amita Dev, Vice Chancellor, Indira Gandhi Delhi Technical University for Women, Kashmiri Gate, New Delhi-110006.
8. Dr. Ranu Gadi, Department of Applied Science & Humanities, Indira Gandhi Delhi Technical University for Women, Kashmiri Gate, New Delhi-110006.


(Pawan Kumar)
Scientist-'C'
011-26590290
29/12/2020



Indira Gandhi Delhi Technical University For Women
(Established by Govt. of Delhi vide Act 9 of 2012)
ISO 9001:2015 Certified University

Supporting Document: 3.1.6

3.1.1 The Number of departments with UGC-SAP, CAS, DST-FIST , DBT, ICSSR and other similar recognitions by national and international agencies.



Assessment Period: 2016 -2021

Fwd: OSA Diversity and Inclusion Grant Info

OSA IGDTUW <osaigdtuw@gmail.com>
To: sksharma.leo@gmail.com

30 January 2020 at 00:41

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

From: **Rooney, Terence** <TRooney@osa.org>
Date: Thu, Jan 30, 2020, 00:36
Subject: OSA Diversity and Inclusion Grant Info
To:
Cc: Lesky, Marcia <mlesky@osa.org>

All,

Please note the grant has been processed. International chapters should see payment no later than Monday and domestic chapters should see a check by Wednesday. If you do not, please let me know ASAP.

Additionally, if you plan on marketing the event can you please share with us the social media account you will use so that we can share any updates with the greater OSA audience? Also:

- Please include the OSAF logo in anything you design (attached)
- Make sure to tag @TheOpticalSociety
- Make sure to use #WomenInScience

Best,
Terence

Terence Rooney, Senior Program Manager, Students and Early-Career Professionals

The Optical Society (OSA)
2010 Massachusetts Ave., NW
Washington, DC 20036 USA
www.osa.org/Foundation



Reflecting a Century of Innovation

 OSA100_for_signature_120615

From: Rooney, Terence
Sent: Thursday, January 23, 2020 10:26 AM
To: 'Insabella@gmail.com' <Insabella@gmail.com>
Subject: Diversity and Inclusion Grant
Importance: High

Hello,

Your chapter has been awarded a grant to celebrate International Women and Girls in Science Day (11 February). The grant is being processed and should be received no later than 5 February 2020.

Your grant amount: \$2,000.00

Should you have any questions, please let me know.

Best,
Terence

Terence Rooney, Senior Program Manager, Students and Early-Career Professionals

The Optical Society (OSA)

2010 Massachusetts Ave., NW

Washington, DC 20036 USA

www.osa.org/Foundation

Reflecting a Century of Innovation

 OSA100_for_signature_120615



OSA

3 attachments
OSA-Foundation_logo-

color.png 17K image001.png

Foundation

3K

OSA[®]
The Optical Society

100
Since 1916

OSA[®]
The Optical Society

100
Since 1916

image001.png 3K

A handwritten signature in black ink, consisting of a vertical line on the left, a circular loop, and a horizontal line extending to the right.

एण्ड सिंध बैंक Punjab & Sind Bank पंजाब एंड सिंध बैंक

क्र. सं. DATE	विवरण PARTICULARS	चेक क्र. CHEQUE NO.	आहरित राशि AMOUNT WITHDRAWN	जमा की गई राशि AMOUNT DEPOSITED	खाता शेष BALANCE	संक्षिप्त हस्ताक्षर INITIALS
01-2020	UPI/CR/002015578072/HIMANI			500.00	67500.00Cr	
01-2020	UPI/CR/002021035483/Ms NAV			300.00	67800.00Cr	
01-2020	NEFT/AMARDEEP SINGH SAINI/			500.00	68300.00Cr	
01-2020	NEFT/AMARDEEP SINGH SAINI/			500.00	68800.00Cr	
01-2020	UPI/CR/002116030199/Miss C			700.00	69500.00Cr	
01-2020	NEFT/Mr. RAJA SAIFU RAHMAN			500.00	70000.00Cr	
01-2020	UPI/CR/002210973814/URVASH			700.00	70700.00Cr	
01-2020	UPI/CR/002210034127/URVASH			700.00	71400.00Cr	
01-2020	Cr-IMPS : P2A/9120100388263			500.00	71900.00Cr	
02-2020	BILL ID : 0900ITT0000220			248706.58	320606.58Cr	
03-2020	09001000020438: Int. Pd: 01-1			952.00	321558.58Cr	
03-2020	09001000020438: Int. Pd: 01-0			2689.00	324247.58Cr	
07-2020	BY CASH ASMET REG. MONEY CA			6800.00	331047.58Cr	
08-2020	REGISTRAR IGDТУW FOR WOMEN			34215.00	365262.58Cr	
09-2020	09001000020438: Int. Pd: 01-1			2540.00	367802.58Cr	
09-2020	09001000020438: Int. Pd: 01-0			2843.00	370645.58Cr	
01-2021	To Transfer	1	106274.00		264470.58Cr	
03-2021	09001000020438: Int. Pd: 01-1			2518.00	266988.58Cr	
03-2021	SMS Alerts Charge 09001000		17.78		266970.80Cr	
05-2021	09001000020438: Int. Pd: 01-0			2086.00	269006.80Cr	
08-2021	To Transfer	2	18568.00		250438.80Cr	
09-2021	09001000020438: Int. Pd: 01-0			2091.00	252529.80Cr	

ग्राहकों द्वारा बरती जाने वाली सावधानियाँ

- कृपया पास-बुक एवं चेक-बुक को सुरक्षित रखें।
- नकदी केवल नकदी काउंटर पर ही जमा करें।
- पास बुक नियमित रूप से अद्यतन करवाएं।
- किसी भी प्रकार की विसंगति होने पर तुरंत संबंधित शाखा से सम्पर्क करें।
- नकदी काउंटर को छोड़ने से पहले नोटों को ठीक प्रकार से गिन लें।

PRECAUTIONS TO BE TAKEN BY CUSTOMERS

- ⇒ Keep Pass Book & Cheque Book in safe custody
- ⇒ Deposit cash at cash receiving counter only
- ⇒ Pass Book must be updated at regular intervals.
- ⇒ In case of any discrepancy, inform the concerned branch immediately
- ⇒ Before leaving the cash counter, the notes must be counted.

पंजाब एण्ड सिंध बैंक Punjab & Sind Bank पंजाब एंड सिंध बैंक

NEW DELHI G G S I P UNIVERSITY

M/S IGDUM OSA STUDENT CHAPTER

IGDUM KASHMERE GATE

DELHI

DELHI (DELHI) - 110006

Delhi . INDIA

IFSC Code: PS180001098 MICR Code: 110023109

NON PROFIT ORGANISATION

BRANCH ADDRESS :

SHRI GOBIND SINGH INDRAPRASTHA UN

KASHMIRI GATE

DELHI-110006

PHONE: 011-23860754

FAX:

Account No : 09001000020438

PPD NUMBER :

PPD NUMBER2 :





Indira Gandhi Delhi Technical University For Women

(Established by Govt. of Delhi vide Act 9 of 2012)
ISO 9001:2015 Certified University

Supporting Document: 3.1.6

3.1.1 The Number of departments with UGC-SAP, CAS, DST-FIST , DBT, ICSSR and other similar recognitions by national and international agencies.



Assessment Period: 2016 -2021



Indira Gandhi Delhi Technical University For Women

(Established by Govt. of Delhi vide Act 9 of 2012)
ISO 9001:2015 Certified University



Surender Kumar Sharma <sksharma.leo@gmail.com>

Regarding opening of OSA Student Chapter

Rooney, Terence <TRooney@osa.org >

12 April 2019 at 01:29

To: Surender Kumar Sharma <sksharma.leo@gmail.com>

Cc: "siddhimishra499@gmail.com" <siddhimishra499@gmail.com>, "me.muskaangupta@gmail.com" <me.muskaangupta@gmail.com>

Surender,

Official welcome email is below!

- Are the funding forms s ll accurate? I'll process your \$350 payment today and you should see it in a couple of weeks.
- One of your student members is invited to Student Leadership. A aching info and instruc ons.

Best,
Terence

Welcome to the OSA Student Chapter Program! Your chapter has been reviewed and confirmed and we look forward to working with you. Please see the below for important information on accessing your benefits right away.

Grants and Member Management

There are two portals that your chapter has access to:

Member Management Portal

Site: account.osa.org

Access

You will use your normal login for how you access your individual OSA membership. When logged in, you'll see "Student Chapter" at the top right. Click that to enter the portal.

About

This portal is where you can add/update your roster, advisor, address and other pertinent information. Please login to your account and make changes as necessary. Note that only officers can make adjustments to the information.

Action Item: I have added Siddhi and Muskaan as officers. Please enter the portal and add all remaining officers and advisors. [Instructions can be found here](#). Do not adjust your own record as this will boot you out of the system. Once all other officers are added you can have them change something to your record (if needed).

Grants Database Portal

Site: <https://www.grantinterface.com/Home/Logon?urlkey=osa>

About

This portal is where you will submit your annual reports as well as where you can apply for various benefits. Those benefits include:

- Request a [Chapter Management Grant](#) with your annual report or chapter application.
- Apply for a [Special Event Grant](#) to support a high-impact event.
- Host an [OSA Traveling Lecturer](#) annually from a [directory of over 300 members](#).
- Be recognized with the [Chapter Excellence Prize](#).
- Send a representative to the annual [Student Leadership Conference at FiO/LS](#).
- Attend or host an [International OSA Network of Students \(IONS\) Conference](#).



Marketing/Materials

Chapters can produce their own flags [using these templates and instructions](#). Please find a local printer whom you can work with to produce this flag. We no longer provide chapter websites but recommend using either Facebook or LinkedIn to communicate with your audiences. Additionally, we do not carry any giveaway items in house but these can be incorporated into your grant requests moving forward for your chapter to produce on its own.

Funding

OSA will provide you with \$350 USD in startup funds. This will be deposited in 2-3 weeks.

OSA is excited to have your university join its global network of chapters and I look forward to your chapter's participation in the years ahead. Should you have any questions please feel free to contact me at trooney@osa.org or chaptersandsections@osa.org.

[Quoted text hidden]

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

From: "Rooney, Terence" <TRooney@osa.org>
To: "Rooney, Terence" <TRooney@osa.org> Cc:
Bcc:
Date: Tue, 9 Apr 2019 15:08:10 +0000
Subject: TEST-MIME-Registration now open for the OSA Student Leadership Conference

[View Online](#)



Dear Terence,

Calling all OSA Student Chapter members! Registration is now open so don't forget to take advantage of the 2019 Student Leadership Conference, 13-15 September in the Washington, DC (USA) area. Below is some additional information for those unfamiliar with this conference.

What is the Student Leadership Conference?

This conference brings together student chapter members from around the globe each year to network with their peers and to learn more about successful chapter management and careers in optics and photonics. The programming centers on professional development, chapter management and education outreach. The event also serves as a forum for student leaders to grow their networks and exchange new ideas for continued personal and professional success as well as best practices for driving their chapters forward.

- Part 1: The Student Leadership Conference, which begins with a reception on the night of the 13th and concludes on the night of the 15th. All programming, lodging, and meals will take place at the National 4-H Conference Center in Bethesda, Maryland. This conference is focused on professional development, networking, and engaging with one another on the activities of your chapter. Students will be in rooms of four of the same gender during your stay. On Sunday night, a bus will transport attendees from the 4-H Center to the Washington Marriott Wardman Park for the second part of the experience.
- Part 2: The Frontiers in Optics Conference (FiO), which spans from the 16th to the 19th and is focused on technical content. OSA will cover your lodging at the conference hotel (Washington Marriott) for the nights of the 15th, 16th, and 17th. Students will be in rooms of two of the same gender during your stay. Attendees will need to secure their own accommodations for anything past these nights.

What does it cost?

Student attendees are asked to pay a \$100 USD fee when registering and OSA will cover the rest, which includes: **airfare, lodging (for the nights of the 13th and 14th at the 4H Conference Center, and additionally the 15th, 16th, and 17th at the Washington Marriott for FiO), and complementary FiO registration for one member from each chapter.**

Pretty sweet deal!

A handwritten signature in black ink, appearing to be 'Terence Rooney', is written over a horizontal line.

Eligibility

- You must be a part of an active OSA student chapter
- You must be a first-time attendee of the Student Leadership Conference
- You must have an active OSA Student Membership

How can I attend?

Talk to your chapter officers to see if you qualify. If you meet the eligibility requirements and have been designated as your chapter's representative you must register by 3 June 2019.

Note that space is limited so apply quickly to be considered.

Other information:

- Need a VISA? [Additional details and a support letter can be found here.](#)
- Do not register for FiO through the FiO website. By registering for Student Leadership we will automatically include FiO registration on your behalf.
- If you are going to be at FiO, we highly recommend [submitting a paper for the conference!](#) Unlike FiO registration, in this case we DO ask you to submit your paper through the FiO website.
- A full speaker list will be made available in May.

Register Now!

P.S. - This is just one of the various benefits that OSA Student Chapters receive. Not a chapter member? [Utilize this map](#) to see if your university has a chapter you can join. Don't see a chapter? [Consider starting your own!](#)



2010 Massachusetts Ave., N.W.
Washington, D.C. 20036 USA
+1.202.223.8130

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21K