

3.1.6

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

2019- 20

Re: IIT Professor's Support for Robotics Project

Sujith R Kumar <sujith.kumar1@sbi.co.in>
To: "aaron@kletech.ac.in" <aaron@kletech.ac.in>
Cc: SB RIA <SBRIA@sbionline.onmicrosoft.com>

Wed, Nov 13, 2019 at 2:33 PM

Dear Sir,

Greetings from SBI!

We are from State Bank of India, Innovation Cell (Software Factory Dept), working on a humanoid project which can be placed in branches of SBI.

Team members working on the project are basically from Computer Science background.

Software part of the Humanoid has been developed already and we are looking for guidance in the following areas of Hardware part.

- Hardware specification for the movements involved in Humanoid.
- Body design(Auto-CAD) and building.

Please advise whether any guidance can be provided.

Also share contact details (including Skype) so that further discussion can be done.

Looking forward for a favourable reply.

Regards,

Sujith R Kumar

Asst. Manager (Systems)



Innovation Cell

Software Factory Dept

State Bank Global IT Centre, Navi Mumbai

Mob +91 9967 55 2800

From: D Manjunath <dmanju@ee.iitb.ac.in>

Sent: 12 November 2019 13:17

To: G Sivakumar <siva@iitb.ac.in>; MOIN FAIYAZ SHAIKH <moin.s@sbi.co.in>


Cc: Sujith R Kumar <sujith.kumar1@sbi.co.in>; aaron@kletech.ac.in <aaron@kletech.ac.in>

Subject: Re: IIT Professor's Support for Robotics Project

Warning: This email is not originated from SBI. Do not click on attachment or links/URL unless sender is reliable. Malware/ Viruses can be easily transmitted via email.

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HEAD OF THE DEPT.
Automation & Robotics
K.L.E. Technological University,
HUBBALLI-31.

State Bank RIA (Robotic Intelligent Assistant)

State Bank Robotic Intelligent Assistant is a humanoid robot, which can be placed in State Bank branches. SB RIA can interact with customers to answer their queries, perform transactions for them and guiding them via robotic movements.

Current Status:

We have already done the development of the software part (excluding movement) of the humanoid and are currently working on the design and development of the humanoid body and its movements.

Design details of RIA:

- Height: 5 ft.
- 2 Degree of Freedom (DoF) in head, 3 DoF in both hands and a wheeled base.
- Software Details (Already Completed).
 - ◆ Face recognition
 - ◆ Biometric client software and touch screen integration
 - ◆ Text to Speech
 - ◆ Hot word detection and client part of speech recognition
 - ◆ A chat window for users to key-in queries and get its response. It also displays user interactions performed through speech (for ready reference).

Problem Statement:

All the team members, working on this project, are from Computer Science background; having done some basic courses on the Robotics. We are looking for guidance in mechatronics part of the humanoid.

Clarifications Required:

1. During a course attended, we had done the assembly of Robot (Biped walking) with servo motors for its movement. Are servo motors good enough for industry ready humanoids?
2. Please provide the specification of such servo motors and its controllers or a method to calculate the minimum specification required.
3. We are thinking of options for humanoid brain as Raspberry Pi or a PC Motherboard. What do you suggest for the brain, considering the software components we have already designed? (Ref. Section: Design details, given above)
4. If we are working with a PC motherboard as the brain of robot, do we need separate Arduino or controllers for implementing the movements? If yes, can that be controlled/coordinated using the PC (Linux Ubuntu)?
5. Can you provide an idea on the battery specification, size and weight that will be required based on the robot's configuration?
6. What material is normally used for humanoid body? Which method can be used for making the body for a robot prototype? Is 3D printing a good option considering the cost and accuracy for a prototype (single piece)?

7. Does KLE Tech have any list of vendors/service providers who are known to provide quality services/components for humanoid projects?
8. What are the hardware requirements and specifications for the Line follower robot like movement (including obstacle detection/avoidance)?



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K.L.E. Technological University,
HUBBALLI-31.**

Guidance for Robotics Project

Sujith R Kumar <sujith.kumar1@sbi.co.in>
To: Arun Giriyapur <aaron@kletech.ac.in>
Cc: SB RIA <SBRIA@sbionline.onmicrosoft.com>

Wed, Nov 20, 2019 at 3:05 PM

Dear Sir,

Greetings!

As discussed over the telephonic call we would like to initiate the engagement process.

As MoU signing is a time consuming process we would like to proceed directly with consultation.

We request you to provide the quotation for consultation fee so that we can proceed with the project.

We may take forward the MoU signing, later in production stage of the project.

Regards,

Sujith R Kumar
Asst. Manager (Systems)



Innovation Cell
Software Factory Dept
State Bank Global IT Centre, Navi Mumbai
Mob +91 9967 55 2800

From: Arun Giriyapur <aaron@kletech.ac.in>
Sent: 19 November 2019 21:08
To: Sujith R Kumar <sujith.kumar1@sbi.co.in>
Cc: SB RIA <SBRIA@SBIOOnline.onmicrosoft.com>

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Department of Automation & Robotics

Project Proposal for RIA

Ajit 3.0 is a humanoid robot platform developed at KLETech for the purpose of rapid prototyping of use cases and applications which can help us understand how humanoid robots can be deployed. This reduces the time required to build and deploy an application and takes away the burden of building the kinematics of the robot. Since the platform also involves a software framework it becomes very easy to architect the application. Humanoids are expected to be intelligent and autonomous, hence Ajit has the necessary hardware to run AI based applications. Ajit has the required sensors and very sophisticated actuators to get very precise motions.

KLETech team proposes to assist SBI GITC in developing a prototype of their humanoid robot RIA by using Ajit as a rapid prototyping platform on which the POC will be done. The POC will in turn help the team to finalize the conceptual design of RIA. Further KLETech team will help in developing the prototype of RIA.

The project will be carried out in the following phases. The deliverables and the responsibilities in each phase are as follows:

Phase	Deliverables	Responsibility
1	Training	KLETech team
2	POC on Ajit 3.0	SBI team and KLETech team
3	Use cases, Requirements, Specifications, Product Architecture, BOM	SBI team and KLETech team
4	Prototyping and Testing	SBI team and KLETech team

The various activities that will be carried out by both the teams during the above phases along with timelines are as follows:

Activities	Deliverables	Responsibility	Timeline
1	Introduction to ROS	KLETech team	01-01-2020
2	Programming in ROS	KLETech team	02-01-2020
3	Architecture of Ajit – The humanoid robot	KLETech team	03-01-2020
4	Current development on Ajit – Programming and Integration of SLAM, NLP, Pose detection and Object detection	KLETech team	03-01-2020
5	Architecture of SBI - RIA	SBI team and KLETech team	04-01-2020


A.C. Vinayak
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6	Software components and services on RIA	SBI team	04-01-2020
7	Migration of SBI-RIA software components and services on Ajit	SBI team and KLETech team	06-01-2020
8	Rapid POC using Ajit	SBI team and KLETech team	06-01-2020
9	SBI-RIA POC planning	SBI team and KLETech team	07-01-2020
10	Prototyping of Physical Structure and Kinematics RIA	SBI team and KLETech team	To be decided
11	Testing of RIA	SBI team and KLETech team	To be decided

KLETech Team:

1. Arunkumar C.Giriyapur, Head, Dept of A&R
2. Mrs Ashwini G.K, Assist Prof, Dept of A&R
3. Shridhar Doddamani, Assist Prof, Dept of A&R
4. Karthik L, Project Engineer, CASE
5. Student interns – 3 no

Consultancy Model:

KLETech will give basic training on ROS with hands-on experience. The POC will be done using Ajit humanoid robot and once approved will further help in prototyping the complete humanoid robot RIA.

The components required such as sensors, actuators, CPU or GPU, batteries and other miscellaneous parts will be procured by SBI team. KLETech team will design the parts of the structure, 3D print the parts, develop the battery pack and battery management system, assemble all the parts, integrate all the hardware and test the prototype.

SI No	Description of Activity	Amount INR
1	Complete support including: Training on ROS Integrating of SBI microservices on Ajit for POC Designing of RIA –Physical structure Preparing BOM Printing & machining of parts Assembling RIA	1,20,000.00



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	Testing	
2	3D printing of parts	At Actual cost based on weight of each component. The quote can be finalized once the component design is complete.
3	Travel – If any of the team members are required to travel to Mumbai for support or other requirements	TA/DA as per norms

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Activities	Deliverables	Responsibility	Timeline
1	Introduction to ROS	KLETech team	01-01-2020
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4	Current development on Ajit – Programming and Integration of SLAM, NLP, Pose detection and Object detection	KLETech team	03-01-2020
5	Architecture of SBI - RIA	SBI team and KLETech team	04-01-2020
6	Software components and services on RIA	SBI team	04-01-2020
7	Migration of SBI-RIA software components and services on Ajit	SBI team and KLETech team	06-01-2020
8	Rapid POC using Ajit	SBI team and KLETech team	06-01-2020
9	SBI-RIA POC planning	SBI team and KLETech team	07-01-2020
10	Prototyping of Physical Structure and Kinematics RIA	SBI team and KLETech team	To be decided
11	Testing of RIA	SBI team and KLETech team	To be decided


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Sl No	Description	Qty	Unit Price INR	Total INR
1	Nvidia Jetson Nano	1	9000.00	9000.00
2	Dynamixel actuators			
	XM430	4	23000.00	
	MX-64AR	2	36501.00	
	MX-10GR	4	49990.00	
3	Intel realsense D435i	1	14735.00	14735.00
4	Ultrasonic sensors	2		
5	Microphone	1		
6	Speakers	2		
7	Telephone receiver	1		
8	Touchscreen 10.1 in	1	7890.00	7890.00
9	LED display for face	1		
10	Batteries 12V & 22 V	30	190.00	6000.00
11	LED lighting			

Handwritten signature

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K.L.E. Technological University,
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Guidance for Robotics Project

Sujith R Kumar <sujith.kumar1@sbi.co.in>

Wed, Dec 23, 2020 at 2:31 PM

To: Arun Giriyaapur <aaron@kletech.ac.in>

Cc: State Bank RIA - Robotic Intelligent Assistant <sbria@sbi.co.in>, "abhijith.s@kletech.ac.in" <abhijith.s@kletech.ac.in>

Dear Sir,

Greetings & appreciations for the Project RIA advancing to the final stage of development!

Thanks to the faculties and students for providing us the guidance and support during the course of development. It has been a great learning experience for us to work with the Department of Automation & Robotics at KLE Technological University.

Also, as a token of encouragement, We would like to issue appreciation letters to students who have helped us in the development journey. We request you to provide the names, role/responsibility, and the duration of involvement for issuing the letters.

We look forward to our continued patronage towards the production readiness, support, and future versions of the Project RIA.

Regards,

Sujith R Kumar

Asst. Manager (Systems)



Innovation Cell

Software Factory Dept

State Bank Global IT Centre, Navi Mumbai

Mob +91 9967 55 2800

From: Arun Giriyaapur <aaron@kletech.ac.in>

Sent: 16 February 2020 13:20

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Automation & Robotics
K.L.E. Technological Universi..
HUBBALLI-31.

INVOICE



KLE TECHNOLOGICAL UNIVERSITY

BVB College Campus , Vidyanagar,
HUBBALLI-580031
Ph : 0836-2378121

PAN : AACAK9702A

GSTIN : 29AACAK9702A1ZV

Place of Supply : Hubballi, Karnataka .

KLE TECH University Co-ordinator *Arun. C. Giviyapur*

INVOICE NO : 395

Date : 17/03/2020

To, State Bank Global
IT Centre,
Innovation cell,
Software factory dept,
Navi Mumbai .

GSTIN : 27AAAC58577K220

DESCRIPTION	AMOUNT (Rs)
Development charges for the prototype of RIA Humanoid robot .	398,400.00
Sub Total	398,400.00
<i>C98791.</i>	<i>35856.00</i>
<i>₹98791.</i>	<i>35856.00</i>
Total Invoice Value	470112.00

Bank Details :

Bank Name & Address : Syndicate Bank, BVB College, Hubballi
Account Name : The Registrar, KLE Technological University, Hubballi
Account Number : 12442010009267
IFSD Code : SYNB0001244
Swift Code : SYNBINBB445

For KLE Technological University

[Signature]
REGISTRAR
K.L.E. Technological University
HUBBALLI-580 031.

[Signature]
HEAD OF THE DEPT.
Automation & Robotics
K.L.E. Technological University,
HUBBALLI-31.

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KLE TECHNOLOGICAL UNIVERSITY

BVB College Campus , Vidyanagar,
 HUBBALLI-580031
 Ph : 0836-2378121

PAN : AACAK9702A

GSTIN : 29AACAK9702A1ZV

Place of Supply : HUBBALLI , KARNATAKA

KLE TECH University Co-ordinator Arun .C. Giriyapur

INVOICE NO : 358

Date : 19/12/2019

To,
 State Bank Global IT Centre,
 Innovation cell,
 Software factory Dept.,
 NAVI Mumbai.

GSTIN : 27AAAL58577K2Z0

DESCRIPTION	AMOUNT (Rs)
Training on ROS Integrating of SBI microservices on Ajit for POC, Designing of RIA- Physical structure, Preparing BOM, Printing and Machining of parts, Assembling RIA and Testing.	1,20,000 = 00
Sub Total	1,20,000 = 00
IGST @ 18%	21,600 = 00
Total Invoice Value	1,41,600 = 00

Bank Details :

Bank Name & Address : Syndicate Bank, BVB College, Hubballi
 Account Name : The Registrar, KLE Technological University, Hubballi
 Account Number : 12442010009267
 IFSD Code : SYNB0001244
 Swift Code : SYNBINBB445

For KLE Technological University

[Signature]
REGISTRAR
 K.L.E. Technological University
 HUBBALLI-580 031

[Signature]

[Signature]
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 Automation & Robotics
 K.L.E. Technological University,
 HUBBALLI



VISION GROUP ON SCIENCE AND TECHNOLOGY

Department of Electronics, IT, BT and S & T, Government of Karnataka

List of proposals recommended by VGST for Government grants during the year 2019-20

Scheme: Karnataka Fund for Infrastructure Strengthening in Science and Technology (K-FIST L1)

Sl.No.	Name of the Programme Co-ordinator with details	Title of the project	Subject	Funds to be released during the year 2019-20 I Phase (Rs. in lakhs)	Funds to be released during the year 2020-21 II Phase (Rs. in lakhs)	Total Amount (Rs. in lakhs)	Cheque to be written in favour of	RTGS Details				
								Account Name	Account No.	IFS Code	Name of the Bank	Branch Name
1	Dr. Aarti S. Bhatt, Assistant Professor, Department of Chemistry, NMAM Institute of Technology, Nitte - 574 110, Karkala Taluk, Udipi District.	Ag/Mn3O4 doped graphite felts as advanced electrode materials for vanadium redox flow battery in electric vehicle application	Chemistry	7.50	7.50	15.00	Principal, NMAM Institute of Technology, Nitte	The Principal	0 1152200 045230	SYNB0000115	Syndicate Bank, Nitte	Syndicate Bank, NET campus, Nitte post, Karkala – 574110. Udupi, Karnataka.
2	Dr.Mohan. T.C, Assistant Professor, School of Life Sciences, Division of Biotechnology and Bioinformatics, JSS Academy of Higher Education and Research, Mysuru - 570 015.	Establishment of plant tissue culture facility for in vitro regeneration of Banana Cv Nanjanagudu Rasabale and to develop arsenic free Rice.	Biological & Agricultural Sciences (BAS)	7.50	7.50	15.00	JSS University Research and Development A/c	JSS University Research and Development A/c	64060381103	SBIN0040547	State Bank of India	Sri Shivarathreeshwara Nagar Branch, Mysuru
3	Dr.Saroja Narsing Rao, Assistant Professor, Department of Biochemistry, Pesticide Residue and Food Quality Analysis Laboratory, University of Agricultural Sciences, P.B. No. 329, Lingusugur Road, Raichur - 584 104.	Genome Editing in E.coli by Crelox mechanism for better solubility of proteins.	Biological & Agricultural Sciences (BAS)	7.50	7.50	15.00	Comptroller	Comptroller	30670961161	SBIN0010870	State Bank Of India	State Bank Of India , UAS Campus, Lingasugur Road, Raichur
4	Dr. Lyned D. Lasrado, Assistant Professor, Department of Post Graduate Studies and Research in Biochemistry, St Aloysius College (Autonomous), Post Box No 720, Light House Hill Road, Mangaluru - 575 003.	Establishing a laboratory for the preparation of biodegradable packaging material from food and agricultural waste.	Biological & Agricultural Sciences (BAS)	7.50	7.50	15.00	The Principal, St.Aloysius College, Mangalore	Mangalore JESUIT Educational Society, St.Aloysius College	1402513544	CBIN0280873	Central Bank of India	Behind Pereira Hotel, GHS Road & Market Road, Mangalore - 575 001.

5	Dr. Hitha D Shetty, Associate Professor, Department of Physics, Nitte Meenakshi Institute of Technology, Post Box no. 6429, Yelahanka, Bengaluru - 560 064.	Design and Fabrication of Metalnanoparticle and Graphene reinforced flexible Polymer nano-composites for Electromagnetic Interference Shielding applications.	Physics	7.50	7.50	15.00	The Principal	Dr. H.C. Nagaraj	0940101 00165396	UTIB0000094	Axis Bank, Yelahanka New Town, Bengaluru	No. 688,#3rd A Cross, Yelahanka New Town, Opposite,Bangalore-560064
6	Dr. K Munirathnam, Assistant Professor, Department of Physics, Reva University, Rukmini Knowledge Park, Yelahanka, Bengaluru - 560 064.	Lanthanides-doped perovskites hybrid device for the up-conversion of photons: optoelectronic applications	Physics	7.50	7.50	15.00	The Registrar, REVA University, Bangalore	The Registrar	66620001 00000901	KARB0000666	The Karnataka Bank Ltd, REVA University Branch	Rukmini Knowledge park, Kattigenahalli, yelahanka, Bengaluru - 560064
7	Dr. Nandini. R, Assistant Professor, Department of Mechanical Engineering, BMS Institute of Technology & Management, Doddaballapura Main Road, Avalahalli, Yelahanka, Bengaluru - 560 064.	Infrastructure development for synthesis and fabrication of lead-free piezoelectric materials and its devices.	Mechanical Engineering (ME)	7.50	7.50	15.00	Principal, BMS Institute of Technology & Management, Bengaluru	Principal, BMSIT & M	21096732049	ALLA0212019	Allahabad Bank	BMSIT & M Campus, Doddabalapur Main Road, Avalahalli, Yelahanka, Bangalore-560064.
8	Dr.K.P.Lakshmi , Professor, Department of Electronics and Communication, B. M.S.College of Engineering, Bull Temple Road, Bengaluru - 560 019.	Fabrication and characterization of thin films for sensors, NV memory and waveguide applications	Metallurgical & Materials Engineering (M & M)	7.50	7.50	15.00	Principal, BMSCE	Principal,BMSCE	50077625295	ALLA0212011	Allahabad Bank	BMS Engineering College Campus, Hanumanthanagar branch , Bangalore-560019.
9	Dr. Bharati Harsoor, Professor, Department of Information Science and Engineering, Poojya Doddappa Appa College of Engineering, Aiwane E-Shahi Road, Kalaburagi - 585 102.	Next Generation Artificial Intelligence & Augmented Reality Lab	Computer Science & Engineering (CSE)	7.50	7.50	15.00	Principal PDA College of Engineering	Principal, PDA College of Engineering	8683101 000002	CNRB0008683	Canara Bank	PDA College of Engineering campus, Kalaburgi
10	Dr. K.L Sandhya, Assistant Professor, Department of Physics, M. S. Ramaiah Institute of Technology, MSR Nagar, MSRIT Post, Bengaluru - 560 054.	Experimental investigations on developing Nanoporous membranes derived from LC nano composites for energy storage applications.	Physics	7.50	7.50	15.00	The Principal, M.S.Ramaiah Institute of Technology, B'lore-54	The Principal, M.S.Ramaiah Institute of Technology, B'lore-54	14120101 0000960	VJUB0001412	VIJAYA BANK (Now Bank of Baroda)	MSRIT Branch, MSR Nagar, B'lore-54.
11	Dr. D. M. Gurudatt, Assistant Professor, Department of Studies in Organic Chemistry, University of Mysore, Manasagangotri, Mysuru - 570 005.	Development of Silica Supported Nano Heteropolyacids as unique Catalyst in Organic Transformations	Chemistry	7.50	7.50	15.00	Registrar/Finance Officer, University of Mysore, Mysuru.	The Registrar /Finance Officer	54007591437	SBIN0040059	State Bank of India	University of Mysore Campus Branch, Mysuru-570 005.

12	Dr. S M Gopinath, Professor, Department of Biotechnology, Davangere University, Shivagangothri, Tholahunase, Davangere - 577 007.	'Bioprospecting of some medicinal plants for Quorum Sensing inhibition against clinically important multi drug resistant pathogens'	Medical & Life Sciences (MLS)	7.50	7.50	15.00	Finance Officer, Davangere University	Finance Officer, Davangere University	64050447135	SBMY0040869	State Bank of India	Davangere University campus, State Highway 76, Tholahunase-577002.
13	Dr. Surekha Paneerselvam, Assistant Professor, Department of Electrical and Electronics Engineering, Amrita Vishwa Vidyapeetham, Kasavanahalli, Carmelaram P.O, Off. Sarjapur Road, Bengaluru -560 035.	Measurement of light scatter in the anterior chamber of the eye for objective quantification of intraocular inflammation	Electrical and Electronics Engineering (EEE)	7.50	7.50	15.00	Amrita Vishwa Vidyapeetham	Amrita Vishwa Vidyapeetham	0151001 00013032	DLXB0000258	Dhanalakshmi Bank	Amrita School of Engineering, Amrita Vishwa Vidyapeetham Kasavanahalli, Carmelaram P.O, Off Sarjapur road, Bangalore-560 035.
14	Dr. K Aditya Shastry, Associate Professor, Department of Information Science and Engineering, Nitte Meenakshi Institute of Technology, Govindapura, Gollahalli, Yelahanka, Bengaluru - 560 064.	Cloud based machine learning framework for prediction of chronic diseases	Computer Science & Engineering (CSE)	7.50	7.50	15.00	The Principal, Nitte Meenakshi Institute of Technology	Nitte Meenakshi Institute of Technology	0940 10100165396	UTIB0000094	Axis Bank	Yelahanka, Bengaluru
15	Dr.Chaitanya Lakshmi. G, Assistant Professor, Department of Chemistry, Presidency University, Yelahanka, Itgalpur, Rajunkunte, Bengaluru - 560 064.	Design and Development of Paper based Strip Sensor for the detection of metal samples in underground water samples	Chemistry	7.50	7.50	15.00	Presidency University, Bangalore	Presidency University, Bangalore	1189010 0132860	FRDL0001189	Federal Bank	Gandhinagar, Bangalore.
16	Dr Govindappa M, Professor, Department of Studies in Botany, Davangere University, Shivagangothri, Tholahunase, Davangere - 577 007.	Product development, characterization and anticancer activity of endophytic fungal ribosome inactivating proteins (RIPs) - a small molecule	Medical & Life Sciences (MLS)	7.50	7.50	15.00	The Finance Officer Davangere University, Davangere	The Finance Officer	64050447135	SBIN0040869	State Bank of India	Davangere University Campus, Tholahunase, Davangere-577007
17	Dr. Mallikarjun Hangarge, Associate Professor, Department of Computer Science, Karnatak Arts, Science and Commerce College, Hyderabad Road, Bidar - 585 401.	Development of Computer Vision Based System for Classification of Microscopic Fungi for Agricultural Applications.	Computational and Mathematical Sciences (CMS)	7.50	7.50	15.00	The Principal Karnatak College, Bidar	The Principal Karnatak Arts, Science and Commerce College, Bidar	044810 6043172	CNRB0000448	Canara Bank	Basavasri Complex Stadium Road, Bidar.
18	Dr. Kishan Singh, Associate Professor, Department of Electronics and Communication Engineering, Guru Nanak Dev Engineering College, Mailoor Road, Bidar-585 403.	Design and Analysis of Micro strip Antennas for Advanced Communication	Electronics & Communication Engineering (ECE)	7.50	7.50	15.00	Principal, Guru Nanak Dev Engineering College, Mailoor Road, Bidar, Karnataka.	Dr. Ravindra Eklarker, Principal	37781086644	SBIN0040809	State Bank of India	Guru Nanak Dev Engineering College, Mailoor Road, Bidar - 585 403.

19	Dr. Dayanand M Goudar, Professor, Department of Metallurgical & Materials Engineering, Tontadarya College of Engineering, Mundargi Road, Gadag - 582 101.	To study of microstructure, mechanical, wear and corrosion behaviour of Hypereutectic Al-Si with addition of Ti synthesized by spray deposition process for aerospace applications	Metallurgical & Materials Engineering (M & M)	7.50	7.50	15.00	Principal Tontadarya College of Engineering	Principal Tontadarya College of Engineering	38459509286	SBIN0020904	State Bank of India	Gadag branch
20	Dr. S.V. Desai, Associate Professor, Department of Biotechnology, KLE Technological University, BVB Campus, Vidya Nagar, Hubballi - 580 031.	Nutritional Profile and Metagenomics Insights of Microbial Diversity of Nuchhu Ambli- a millet-based traditional Fermented Food of North Karnataka.	Biotechnology	7.50	7.50	15.00	Registrar, KLE Technological University, Hubballi	The Registrar, KLE Technological University	12442010009267	SYNB0001244	Syndicate Bank	BVB College Campus, Vidhya Nagar, Hubballi-580 031.
GRAND TOTAL				150.00	150.00	300.00						

विकास आयुक्त का कार्यालय
(सूक्ष्म, लघु एवं मध्यम उद्यम)
सूक्ष्म, लघु एवं मध्यम उद्यम मंत्रालय
(भारत सरकार)

नियंत्रण भवन, शाही मजिल, मौलाना आज़ाद रोड,
नई दिल्ली-110 108



OFFICE OF THE DEVELOPMENT COMMISSION
(MICRO, SMALL & MEDIUM ENTERPRISES)
MINISTRY OF MICRO, SMALL & MEDIUM ENTERPRISES
GOVERNMENT OF INDIA

Nirman Bhawan, 7th Floor, Maulana Azad Road
New Delhi-110 108

Ph. EPAX-23063800, 23063802, 23063803, 23063804, 23063805 & 23063806

File No. TY-26016/1/2020-DCMSME/IPR

Dated: 08-06-2020

To,

The Pay & Account Officer,
Pay & Accounts Office (MSME),
Nirman Bhawan, New Delhi – 110108.

SANCTION ORDER

Subject: Sanction and release of Rs. 3,23,56,000/- (Three Crore Twenty Three Lakh Fifty Six Thousand Only) under Grant in Aid-General to MSME-TDC (PPDC), Agra as National Monitoring & Implementation Unit (NMIU) Secretariat for implementation & Monitoring of the Scheme - "Building Awareness on Intellectual Property Right for MSMEs" under CLCS-TUS for the year 2020-21- reg.

I am directed to convey the sanction of the President of India for Rs. 3,23,56,000/- (Three Crore Twenty Three Lakh Fifty Six Thousand only) under the Grant-in-Aid to, MSME-TDC (PPDC), Agra as National Monitoring & Implementation Unit (NMIU) Secretariat for implementation & Monitoring of the Scheme - "Building Awareness on Intellectual Property Right for MSMEs" under CLCS-TUS for the year 2020-21 w.r.t the approvals in the PMAC meeting held on 04.12.2019 for setting up of 15 IP Facilitation Centres as per the details cited below:

S. No	Name of the IPFCs	Total Project cost	IPFC Contribution	Admissible Total Govt Grant	Admissible 1 st Instalment	IPFC Minimum Contribution of 1 st Year
1.	Jawaharlal Nehru Technological University, Anantapur	109.95	10.99	98.96	21.95	2.47
2.	National Metallurgical Laboratory, Jamshedpur	118.00	18.00	100.00	22.5	2.5
3.	PHD Chamber of Commerce & Industry, New Delhi	127.50	27.50	100.00	22.5	2.5
4.	PHD Chamber of Commerce & Industry, J & K	127.50	27.50	100.00	22.5	2.5
5.	PHD Chamber of Commerce & Industry, Amritsar	127.50	27.50	100.00	22.5	2.5
6.	India SME Forum, Mumbai	127.11	30.00	97.11	21.85	2.43
7.	India SME Forum, Delhi	113.56	30.00	83.56	18.80	2.09
8.	MLR Institute of Technology, Hyderabad	129.35	29.35	100	22.50	2.50
9.	AIC –pinnacle Entrepreneurship Forum, Pune	117.09	17.09	100	22.50	2.50

Prof. Sankar

29/6

विकास आयुक्त / PRAKASH KUMAR
का निवास / Dr. Dinesh
भारत सरकार / Govt. of India
सूक्ष्म, लघु एवं मध्यम उद्यम मंत्रालय

10.	Human Welfare Association, Varanasi	100.73	10.07	90.66	20.39	2.27
11.	Koneru Lakshmaiah Education Foundation, Guntur	116.00	16.00	100.00	22.50	2.50
12.	Indian Chamber of Commerce, Guwahati	130.03	30.03	100.00	22.50	2.50
13.	Assocham. New Delhi	115.84	15.84	100.00	22.50	2.50
14.	Assocham. Bangalore	115.84	15.84	100.00	22.50	2.50
15.	KLE Technological University, Hubli	76.89	7.69	69.20	15.57	1.70
	Total	1752.89	313.40	1439.49	323.56	35.96

The amount of grant as shown above may be released to respective IPFCs.

2. The grant-in-Aid General will be regulated in accordance with the provisions contained in the components of the scheme guidelines of "Building Awareness on Intellectual Property Right for MSMEs" under CLCS-TUS. The funds released are also subject to the provisions contained in chapter 9 of the General Financial Rules 2017 as amended from time to time read with the Govt. of India's decisions incorporated there under; and any other guidelines and conditions already mentioned in the earlier sanction order issued by this office vide 41/CLCS-TUS/NMCP/PPDC Agra/Sanction/2019 dated 16.09.2019 at 2(i) to (xxvi). Apart from above terms and conditions, release of funds subject to compliance of the following:

- The IPFCs will provide necessary infrastructure/space for setting up of this centre. The implementing agency would initiate action to create to create infrastructure facility & finalize the list of hardware/software and other equipments etc to be procured for the IPFC.
- The purchase of the hardware/software/equipment etc should be made as per the GoI purchase procedures.
- Any increase in the project cost will be borne by the implementing agency.
- While setting up of the centre, no liability will be created for the GoI. The financial support by GoI will primarily cover expenses of hardware/software license fee, furniture and fixtures, networking, hiring the services of external consultant & staff on contract basis, expenses for telecommunication, stationary, miscellaneous/ institutional, overhead cost etc.
- The Implementing Agencies will establish the IPFC and will be responsible for the day to day working/activities of the centre and should maintain the records of its assets, liabilities, resource persons, staff, beneficiaries, utilization certificates, etc. Utilization certificates are to be signed by an authorized Chartered Accountant (CA) and counter signed by Head of the IAs in the prescribed Performa (GFR-19A). Savings, if any, will be surrendered to the Office of DC (MSME) and also be indicated in the expenditure statement(s)/Utilization Certificate(s). The requisite utilization certificate should be submitted within one month of the utilization of GoI assistance.
- The account for actual expenditure incurred on the above centre shall be maintained by the IAs and same shall be forwarded to this office on a regular quarterly basis from the date of receipt of grant.
- The IPFC should start functioning within a period of three months from the date of actual release of first installment of GoI Grant.
- As annual targets, IPFC should assist MSMEs as per their approved business plans submitted to this office. However, any new targets may also be assigned by this office as and when necessary.
- As and when necessary a representative from Ministry of MSME, GoI/members of the PMAC/NMIU may visit IPFC to get information on the progress being made and verify the services being provided by the proposed IPFC.
- The assistance will be release in installments depending on the progress of the centre. The balance amount will be released after the submission of the (i) utilization Certificate (ii)

- Statement of Account (iii) copy of original bills/vouchers and progress made in terms of envisaged deliverables.
- k. The financial assistance will only be utilized for setting up IPFC.
 - l. Separate accounts of the Programme will be maintained and the same will be subjected to audit by the Office of DC (MSME).
 - m. In the event of violation of any of the terms and conditions of this order, the organization will have to refund the entire amount sanctioned, to the O/o DC (MSME) on demand or such part thereof along with penal interest as per the government rates.
 - n. IPFCs should constitute a Steering Committee to supervise its activities. The Steering Committee will have representatives from Industry, State Govt., MSME-DI and experts. The committee will submit quarterly progress report to the O/o DC (MSME), New Delhi.
 - o. The proposed IPFCs will, first and foremost, cater to various Intellectual Property needs of MSMEs.
 - p. Assets acquired out of the funds released shall not be disposed off without obtaining the prior approval of the O/o DC (MSME).
 - q. IPFCs would ensure that they have not availed grant-in-aid for the same purpose or activities from any other Ministry/Department of Govt/State Govt.
 - r. In addition to the above, the implementing agencies will have to abide by the terms & conditions as given in the detailed guidelines of the scheme. Also, the O/o DC (MSME) may lay down any other condition as and when required.
 - s. The expenditure incurred by the IPFC shall be open for inspection by the sanctioning authority/CAG/Internal Audit Party of the Chief Controller of Accounts, Ministry of MSME.
3. The Implementing Agencies must adhere to the budget plan and the implementing agencies will ensure their minimum required upfront contribution against the 1st instalment of Govt grant.
 4. PPDC, Agra shall ensure that the fund released during 2020-21 maintain separately in their account system and ensure PFMS-EAT module is followed to release the funds to above mentioned Implementing Agencies and interest earned on unspent balance has been adjusted/taken into account for grantee.
 5. PPDC, Agra shall raise a pre-receipt bill (in duplicate), certificate, undertaking in prescribed proforma for receiving the grant-in-aid.
 6. The progress of implementation of "Building Awareness on Intellectual Property Right for MSMEs" under CLCS-TUS would be monitored by the Project Monitoring and Advisory Committee (PMAC), O/o DC (MSME).
 7. Noted at sl. No. 1 in the Register of Grants.
 8. DDO of the O/o DC (MSME) will act as Drawing and Disbursing officer for this sanction.
 9. The expenditure is to be debited in Demand no. 67, Ministry of Micro, Small & Medium Enterprises (MSME) under Technology Upgradation and Quality Certification for the year 2020-21 are as follows.

(i)	Major Head	2851.00.102.95	Village & Small Industries
(ii)	Object Head	95.03.31	Credit Linked Capital Subsidy and Technology Upgradation Scheme (CLCS-TUS) Grant-in-aid General
(iii)	BE for Grant-in-aid under IPR scheme	Rs. 30.74 Cr.	
(iv)	Present Sanction/release for IPR scheme	Rs. 3,23,56,000/-	
(v)	Balance available (iii)-(iv)	27.5044 Cr	



राकेश कुमार / RAKESH KUMAR
उप निदेशक / Dy. Director
भारत सरकार / Govt. of India
सूक्ष्म एवं मध्यम उद्यम संकाय
Ministry of Micro, Small & Medium Enterprises
— Fax: 261 15 46 — 1126 17 (विप) 22 24—

10. The bank details of the Grantee institution for making payment are as follows:-

Name of the Beneficiary	Name of the Bank where A/c of the Org. Held.	Address/Code of Bank Branch	A/c No.	MICR Code and IFC Code
Principal Director, PPDC AGRA	Punjab National Bank	Rambagh, Agra-282006, Branch Code-0984	0984002100034775	MICR-282024008 IFSC- PUNB0098400

11. This issues with the concurrence of IF-Wing vide Dy. No. 01/IFW/US (Fin-II)/2020, dated: 24.04.2020.


08/06/2020

(Rakesh Kumar)
Deputy Director

E-mail: rakeshkumar@dcsme.gov.in

Copy for information to:

1. Principal Director, MSME-Technology Development Centre, Agra.
Email: paselvam@gmail.com, info@ppdcagra.in
2. Head/In-charge, IPFC at Jawaharlal Nehru Technological University, Anantapur (vc@jntua.ac.in) / National Metallurgical Laboratory, Jamshedpur (skp@nmlindia.org) / PHD Chamber of Commerce & Industry, New Delhi (mithlesh@phdcci.in, kanchanzutshi@phdcci.in, hpkumar@phdcci.in)/India SME Forum, Mumbai (president@indiasmeforum.org)/MLR Institute of Technology, Hyderabad (director@mlrinstitutions.ac.in) / AIC –pinnacle Entrepreneurship Forum, Pune (vijay@aic-pinnacle.org)/Human Welfare Association, Varanasi (Rai.hwa@gmail.com, hwa@rediffmail.com) /Koneru Lakshmaiah Education Foundation, Guntur (kr Rao@se@gmail.com)/Indian Chamber of Commerce, Guwahati (Pranom.mazumdar@indianchamber.net)/ASSOCHAM, New Delhi (Nahid.alam@assocham.com) / KLE Technological University, Hubli (vinay.t@kletech.ac.in)
3. The Drawing & Disbursing Officer, Office of DC (MSME), New Delhi.
4. B&A Section, Office of DC (MSME), Ministry of MSME, Nirman Bhawan, New Delhi.
5. Planning Division, Office of DC (MSME), Nirman Bhawan, New Delhi.
6. Principal Director of Audit, Economic and Service Ministry, AGCR Building, IP Estate, New Delhi.
7. Under Secretary, IF Wing, O/o DC(MSME), Nirman Bhawan, New Delhi
8. PPS to AS & DC(MSME), O/o DC(MSME), Nirman Bhawan, New Delhi
9. PS to DDG(DPS), O/o DC(MSME), Nirman Bhawan, New Delhi
10. PS to Director(NMCP), O/o DC(MSME), Nirman Bhawan, New Delhi
11. SENET Division with the request to upload on DC (MSME) website.
12. Director/In-charge –MSME-DIs at Hyderabad/Ranchi/New Delhi/Jammu/Ludhiana/Mumbai / Allahabad/ Guwahati/Bangalore/Hubli- for progress & monitoring of the respective IPFC..
13. Guard File


08/06/2020

(Rakesh Kumar)
Deputy Director

राकेश कुमार / RAKESH KUMAR
उप-निदेशक / Dy. Director
भारत सरकार / Govt. of India
सूक्ष्म, लघु एवं मध्यम उद्योग विभाग
Ministry of Micro, Small & Medium Enterprises
विकास आयोग (एच. डी. एवं एन. उद्योग विभाग) का कार्यालय
Office of the Dev. Council, (MSME)
निरमन भवन, नई दिल्ली-106 / Nirman Bhawan, New Delhi-106

Recognition of the Institute as Host Institute (HI) / to setup/establish Business Incubator(BI) for implementation of the scheme namely 'Support for Entrepreneurial and Managerial Development of MSMEs through Incubator' -reg.

my.msme.gov.in <helpline-msme@gov.in>
To: ravi_g@kletech.ac.in

Sun, Jan 5, 2020 at 6:25 PM

विकास आयुक्त का कार्यालय
(सूक्ष्म, लघु एवं मध्यम उद्यम)
सूक्ष्म, लघु एवं मध्यम उद्यम मंत्रालय
(भारत सरकार)

विभागाध्यक्ष भवन, खाजुरी मंजिल, मौलाना आज़ाद रोड,
नई दिल्ली-110 108



OFFICE OF THE DEVELOPMENT COMMISSIONER
(MICRO, SMALL & MEDIUM ENTERPRISES)
MINISTRY OF MICRO, SMALL & MEDIUM ENTERPRISES
GOVERNMENT OF INDIA

Nirman Bhawan, 7th Floor, Maulana Azad Road,
New Delhi-110 108

Ph. EPAX-23063800, 23063802, 23063803, 23063804, 23063805 & 23063806

File No. : NIL

Date : 05-01-2020

To,

KLE TECHNOLOGICAL UNIVERSITY

Sir,

The proposal submitted by your institute for its recognition as Host Institute for implementation of the scheme "Support for Entrepreneurial and Managerial Development of MSMEs through Incubator" has been considered & approved during Meeting of PMAC held on 20/12/2019 at New Delhi.

In view of the above you are requested to upload Undertaking duly signed and stamped as per proforma (Attached). Only after that, your institute will become eligible to submit new innovative idea for getting financial support under the scheme as per guidelines.

Download Undertaking for Utilization of Funds proforma [Click here](#)

Yours faithfully,

(M. K. Saraswat)
Director(NMCP)
E-mail: incubator-msme@gov.in

This is an automated message, Do not reply.



All India Council for Technical Education
(A Statutory body under Ministry of HRD, Govt. of India)
Nelson Mandela Marg, VasantKunj, New Delhi-110070 Website: www.aicte-india.org

MODROB - Sanction Letter

F.No.9-235/IDC/MODROB/Policy-1/2019-20

Date: 20.07.2020

To

The Drawing and Disbursing Officer,
All India Council for Technical
Education, Nelson Mandela Marg,
Vasant Kunj, New Delhi - 110070

Sub: Release of a sum of **Rs.1120361/- (Rupees Eleven Lakh Twenty Thousand Three Hundred SixtyOne Only)** being the 1st installment **Grant-in-Aid** under the scheme **Modernization and Removal of Obsolescence (MODROB)** for the year **2019-20** payable during the current financial year **2020-21**- reg.

Sir,

With reference to the proposal submitted by the institute, this is to convey that the sanction of the Council for payment of **Rs.1400451/- (Rupees Fourteen Lakh Four Hundred FiftyOne Only)** as sanctioned Grant-in-Aid under the **Modernization and Removal of Obsolescence (MODROB)** scheme, as per details given below:

1.	Name and address of the Beneficiary Institution:	Director/ Principal/ Registrar, KLE TECHNOLOGICAL UNIVERSITY, BVBHOOMARADDI COLLEGE CAMPUS, VIDYANAGAR, HUBBALLI		
2.	Title of Project:	MODROB in Fluid Mechanics Laboratory		
3.	Name of Coordinator:	Dr. PRAKASH TEWARI		
4.	Duration of the project:	2 years		
4.	Total Grant-in-aid Sanctioned:	Total: Rs.1400451/-	Non-Recurring (85%): Rs.1190383/-	Recurring (15%): Rs.210067/-
5.	Amount to be released during the year 2020-21:	1st Installment Rs.1120361/-	Non-Recurring (85%): Rs.952306/-	Recurring (15%): Rs.168054/-
6.	Sanctioned grant-in-aid is debatable to:	Major Head 601.18(a) Gen. (Plan Head)		

1. The amount of the Grant shall be drawn by the Drawing and Disbursing Officer, All India Council for Technical Education on the Grant-in-Aid bill and shall be disbursed to and credited to the account of Director/Principal/ Registrar of the Institute through RTGS/PFMS.
2. This Grant-in-Aid is being released in conformity with the terms & conditions as well as norms of the scheme as already communicated, and also being communicated in this letter.

The instructions/guidelines to be followed by University/Institution

1. Release of funds

- a. The Principal/ Director of the institute and the Coordinator of the project are hereby requested to verify the correctness of the undermentioned bank account/ RTGS details submitted by them along with the Proposal, in which the grant is being released:

F.No.9-235/IDC/MODROB/Policy-1/2019-20

Institute PAN No.	Bank Name	Bank Branch Name	Bank Branch Address	Account Holder Name	Account Type	Account Number	IFSC Code
AACA9702A	SYNDICATE BANK	BVB Campus Branch	BVB Campus, Vidyanagar, Hubballi-580031	The Registrar, KLE Technological University	Saving Account	12442010009267	SYNB0001244

In case of any omission the same should be reported to AICTE immediately.

- b. The sanction is issued in exercise of the powers delegated to the council and other terms & conditions laid down in the guidelines of the scheme.
- c. 100% grant of the sanctioned amount is being released to Government/Govt. Aided institutions. Utilization Certificate (UC) and other requisite documents are to be submitted within one month of the completion of the project.
- d. To self-financed/Pvt. Institutions 80% of the sanctioned amount is being released as first installment followed by 20% as reimbursement after receipt of UC and other requisite documents as specified in terms & Conditions of MODROB Scheme.

II. Maintenance of accounts

- a. The Institute shall strictly follow the provisions laid down in the scheme document and sanction order No. F.No.9-235/IDC/MODROB/Policy-1/2019-20 dated 20.07.2020 issued by this office. All correspondences related to the project must contain this number along with year of sanction of the project; failing which correspondence will not be entertained.
- b. Funds covered by this grant shall be kept separately and would not be mixed up with other funds, so as to know the amount of interest accrued on the grant AICTE.
- c. The University/College/Institute shall maintain proper accounts of the expenditure out of the grants, which shall be utilized only on approved items of expenditure (list enclosed).
- d. The Council or its nominee shall have the right to check /verify the account to satisfy that the fund has been utilized for the purpose for it was sanctioned.
- e. The date of release of the grant by AICTE shall be taken as the date of commencement of the project. The Principal / Director / Registrar shall intimate about the receipt of the grant to AICTE. Any expenditure incurred prior to the issuance of the approval letter will not be allowed to be adjusted in the grant and if the Institution / University do not take the project work within one month of the receipt of the grant, the approval shall ipso fact lapse.
- f. After receipt of the grant from AICTE, the Institute shall send a confirmation to AICTE within 2 months of receipt of grant that the sanctioned project has been started/is in progress.

III. Refund of grant by way of a demand draft in favour of Member Secretary, AICTE, New Delhi

- a. If the college/institute does not have the Letter of Approval (LOA) or Extension of Approval issued by AICTE for the academic year 2020-21, the fund released should be immediately refunded to AICTE with interest accrued thereon.
- b. If project is not started within six months of the issuance of this Offer Letter, the released amount, along with interest accrued thereon, has to be necessarily returned to AICTE.
- c. In any case, if the institute is required to refund the grant or interest accrued thereon or balance amount, the amount will be refunded to AICTE.
- d. It may be ensured that the project is completed within the stipulated time. If the project is not completed in time, no further extension will be granted in any case and institute has to refund the entire amount to AICTE.

- e. As AICTE needs adequate time for depositing the Demand Draft in the bank, the same be immediately dispatched to avoid any lapse of the validity period.

IV. Submission of documents by college/institution after completion of Project/Subsequent years.

The following mandatory relevant documents are required to be submitted by the college/institution within one month of the completion of the project: -

- a. Feedback form in the prescribed proforma.
- b. The Annual Progress Report (APR) in the prescribed format along with the original Statement of actual Expenditure in the prescribed proforma duly signed by the Head of the institution and shall be submitted to AICTE not later than one month after completion.
- c. The Utilization Certificate (UC) supported by Audited Statement of Expenditure to the effect that the grant has been utilized for the purpose for which it has been sanctioned shall be furnished to the AICTE immediately after completion of the project. It should contain the head-wise break up of expenditure made from the grant-in-aid provided by the Council. Audited Statement of Expenditure indicating expenditure incurred in the total duration of the project in the prescribed format and GFR-19 shall be submitted to the Council.
- d. In case of self-financing/private institutions, Statement of actual Expenditure & Utilization Certificate are required to be audited & signed by a Chartered Accountant (with membership no., full address & stamp). Photocopies of formats are enclosed.
- e. Program Evaluation Committee (PEC) is required to be constituted at Institutional level. The constitution of the PEC shall be asunder:
 - (i) Principal/Director/Registrar of the Institution(Chairperson)
 - (ii) Coordinator of the project (Member Secretary),
 - (iii) Two HODs and one subject expert(Members).

The members of the said PEC shall not be below the rank of Associate Professor. The minutes of the meetings are to be submitted to the Council at end of the project along with other mandatory documents.

- f. Project completion report project indicating the activities undertaking, number of students benefited, laboratory works photographs of students, together with their views is to be submitted.
- g. Attested photocopies of supporting vouchers/bills of expenditure incurred for the completion of Project.
- h. Photographs of equipment's purchased.
- i. The balance amount of the grant will be reimbursed to the university/institution only on submission of the above documents. On receipt of these documents, the total amount of balance of financial assistance, admissible as per the norms, shall be worked out and grant-in-aid shall be released, as second installment, in favour of the beneficiary institution.

V. General instructions

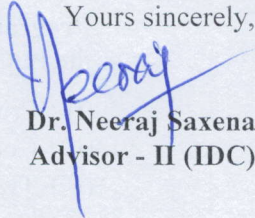
- a. The amount of interest accrued on the grant should be treated as part of the grant to be utilized for that particular project. However, the interest amount accrued along with grant disbursed should not exceed the total grant sanctioned for the project. The Institute receiving the grant should reflect the same in the audited statement of accounts/ utilization certificate and may either refund the interest amount to AICTE or AICTE shall adjust the same in the next installment of grant before its released.
- b. Any unavoidable circumstantial change in the project with respect to name of Project Coordinator for the MODROB project would mandatorily require prior approval of the Council. All such requests should be addressed to AICTE, in advance, recording the specific reasons for proposed changes, failing which the offer for the grant already issued would be treated as automatically withdrawn and the financial assistance released in favour of the beneficiary institution shall be refunded immediately to the Council. Kindly mention the File No.9-1/RIFD/MOD/Policy-1/2019-20 in your future correspondence.
- c. The grantee shall maintain an audited record of assets acquired wholly or substantially out of the Grant-in-Aid and a register of assets shall be maintained by the Institute in the prescribed form i.e.GFR-19.

- d. The College / Institute receiving grant under MODROB is expected to put up a plaque at the main entrance of the Lab/Department, which has been modernized using the grant. All the equipment procured through the project should be super scribed with AICTE project file number.
- e. The assets acquired wholly or substantially out of grant shall not be disposed or encumbered or utilized for the purpose other than those for which the Grant was given without proper sanction of the AICTE and should at any time the institution cease to function, such assets shall revert to the AICTE.
- f. The grantee Institution shall observe all financial norms and guidelines as prescribed by the AICTE/ Government of India from time to time. GOI GFR rules (@<https://doe.gov.in/order-circular/general-financial-rules2017-0>) should be followed during utilization of grant.

List of Equipment's approved:

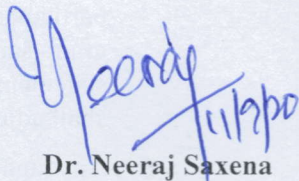
Name of Equipments
Electromagnetic Flow Meter
Nozzles Performance Study System
Ultrasonic Flow meter

Yours sincerely,


Dr. Neeraj Saxena
Advisor - II (IDC)

Copy forwarded for information and necessary action to:

- Name and Address of the Coordinator,**
Dr. PRAKASH TEWARI
KLE TECHNOLOGICAL UNIVERSITY,
BVBHOOMARADDI COLLEGE CAMPUS,
VIDYANAGAR, HUBBALLI,580031
- The Registrar / Director / Principal,**
Dr. PRAKASH TEWARI
KLE TECHNOLOGICAL UNIVERSITY,
BVBHOOMARADDI COLLEGE CAMPUS,
VIDYANAGAR, HUBBALLI 580031
- Guard File**


Dr. Neeraj Saxena
Advisor - II (IDC)

ALL INDIA COUNCIL FOR TECHNICAL EDUCATION

Nelson Mandela Marg, Vasant Kunj,
New Delhi-110070

RPS - Sanction Letter

File No. 8-57/FDC/RPS (POLICY-1) /2019-20

Date: 14 Aug 2020

The Drawing and Disbursing Officer

All India Council for Technical Education
Nelson Mandela Marg,
Vasant Kunj, New Delhi-110070,

Sub: Release of a sum of Rs.768686/- being the 1st installment of the total grant of Rs.780392/- for conduct of Project under Research Promotion Scheme (RPS) during the financial year 2020-21.

Sir,

With reference to the proposal submitted by the institute, this is to convey the sanction of the Council for payment of **Rs.768686/- (Rupees Seven Lakh Sixty Eight Thousand Six Hundred Eighty Six Only)** as 1st installment out of a total approved grant-in-aid of **Rs.780392/-** for conduct of a Project under the Research Promotion Scheme (RPS), as per details given below:-

I.	Name and address of the Beneficiary Institution (University / College / Institution)	:	Registrar / Director / Principal, KLE Technological University, Hubli, Dharwad, Karnataka-580031
II.	Principal Investigator's Name & Dept./Course	:	Dr. Manojkumar Chitawadagi (Civil Engineering)
III.	Grant-in-aid Sanctioned	:	Rs.780392/- (Rs. 663333/- for non-recurring and Rs.117059/- for recurring expenditure)
IV.	Amount to be Released during the year 2019-20 (as 1st installment)	:	Rs.768686 /- (Rs. 663333/- Full amount of non-recurring & Rs.105353/- 90 % of recurring sanctioned)
V.	Project Duration	:	3 Years
VI.	Title of the Project	:	Retrofitting of RCC structures using new generation fibres

I. Release of funds:

1. The amount of the grant shall be drawn by the Drawing and Disbursing Officer (DDO), All India Council for Technical Education, New Delhi on the Grants-in-aid bill and shall be disbursed to and credited to the account of KLE Technological University, Hubli, Dharwad, Karnataka-580031 through **RTGS/PMFS**.
2. The sanctioned grant-in-aid is debitable to the **Major Head "601.12.a (RPS Plan)" Gen.** and is valid for payment during the financial year 2020-21.
3. The sanction issues in exercise of the powers delegated to the Council. It is also certified that grant-in-aid is being released in conformity with the rules and principles of the Scheme.
4. The grant-in-aid is being released in conformity with the Terms & Conditions as well as norms of the scheme as already communicated and also being communicated in this letter.

II. Maintenance of account by the Institute/PI:

1. Funds covered by this grant shall be kept separately and would not be mixed up with other funds so as to know the amount of interest accrued on the grant.
2. The grant is intended to cover items of expenditure/equipment approved by AICTE.
3. Acknowledgement of receipt of grant and letter of acceptance of terms and conditions is to be submitted to AICTE within 15 days from the receipt of the grant to the following address:

Director (Faculty Development Cell), AICTE, Nelson Mandela Marg, Vasant Kunj, New Delhi-110070

4. The accounts of the grantee will be opened for test check by the Council or Comptroller & Auditor General of India or by any officer designated by them.
5. The Principal and PI of the institute are requested to verify the correctness of the undermentioned bank account/RTGS/PFMS details submitted by them alongwith the Proposal, in which the grant is being released. In case of any omission, the same should be reported to AICTE immediately along with refund of entire grant: -

Institute Pan No.	Bank Name	Bank Branch	Bank Branch Add.	Account Holder Name	Account Type	Account Number	IFSC Code
AACA9702A	Syndicate Bank	BVB Campus	Vidyanagar, Hubballi-580031	Registrar, KLE Technological University	Saving Account	12442010009267	SYNB0001244

6. The grantee Institution shall observe all financial norms and guidelines as prescribed by the AICTE/Government of India from time to time. Grantee institution must follow GFR guidelines in procuring the sanctioned items and maintain an audited record of assets acquired wholly or substantially out of the grant-in-aid and a register for assets shall be maintained by the Institute in the prescribed form i.e. GFR-19.
7. **Interest accrued on the sanctioned grant-in-aid will be reported and refunded to AICTE and not adjusted against the subsequent installment.**

III. General Instructions:

1. It should be ensured that no RPS project in favour of the same P.I. has been sanctioned during the last 03 years before utilizing this amount and the matter be brought to the notice of this Council immediately in case a faculty is sanctioned multiple RPS Projects.
2. The duration of Project is 03 years and the **date of release of the grant by AICTE shall be taken as the date of commencement of the project.** The Registrar/Director/Principal shall intimate about the receipt of the grant to AICTE. Any Expenditure, incurred prior to issuance of this Sanction Order, would not allowed to be adjusted in the grant and if the University/Institution do not take-up the project work **within 6 months** of the receipt of the grant, approval shall *ipso facto* lapse and the Institute has to necessarily refund the entire grant to AICTE along with interest within a month. In case the grant is not refunded within said duration 18% interest will be levied on it. The grant has to be refunded to AICTE, through RTGS as per details given below:

Account Number	55113199952
Name of the Account Holder	Member Secretary, AICTE, New Delhi
Bank Name	State Bank of India
Branch Name	Shashtri Bhawan, New Delhi
IFSC Code	SBIN0050203

3. The Institute may constitute a Project Monitoring Committee (PMC). The composition of the PMC shall be as under:
 - i. Principal/Director of the institution (Chairperson)
 - ii. Two HODs from institute (Members)
 - iii. In case of private institute one subject expert from government institute, not below the rank of Associate Professor (Member)
 - iv. Coordinator of the project (Member Secretary)
4. The grant shall be utilized strictly for the purpose as specified in the sanction letter. Re-appropriation of funds from one Head to another is strictly not permitted viz. Recurring and non-recurring Heads. Further, the equipment(s)/item(s) purchased should be as per the specifications and individual item-wise costs sanctioned by AICTE, and not taking the total grant sanctioned as one entity. Item-wise purchase cost shall be matched with the sanctioned cost, and the cost of item purchased below the sanction cost shall be restricted as actual cost. If the item purchase cost is higher than its sanctioned cost, the cost shall be restricted to the sanctioned cost and the additional amount shall be met by the Institute from its own resources.
5. Similarly, the recurring grant shall be used for the items sanctioned by the AICTE. No money be used for going abroad to attend Conference / seminars. However, for presenting a Paper in a Seminar / Conference **within the country**, the travel expenses may be met from the recurring grant.

:: 3 ::

6. No request for additional grant over and above the sanctioned grant shall be considered by the AICTE. The additional amount, if any, expended beyond the sanctioned grant shall be met by the Institute from its own resources.
7. The institute/University shall not charge any overheads on this Project and will provide all the administrative support **and timely release of grant to PI** for completion of the Project.
8. The grantee shall utilize grants only on approved items as per list of equipment attached. However, if the grantee wishes to recast the Project, approval of Council must be obtained for the revised item of expenditure and they will maintain proper accounts of the expenditure as per the norms/procedures of AICTE/Government of India. **The revised proposal should be within the total grant sanctioned and duly supported with reasons and recommendations of the Project Monitoring Committee (PMC).**
9. The assets acquired wholly or substantially out of All India Council for Technical Education's grant shall not be disposed or encumbered or utilized for the purpose other than those for which the Grant was given without proper sanction of the All India Council for Technical Education.
10. Each project sanctioned by AICTE is assigned a specific Reference Number, which is given on pre-page. All correspondence address to AICTE regarding the project must quote this number alongwith year of sanction of the project, otherwise correspondence may not be entertained.
11. The grantee shall follow the terms and conditions of Research Promotion Scheme (RPS) as laid down by the Council from time to time.

IV. Submission of documents by the institute/PI to AICTE:

A. Documents to be submitted within one month of completion of each financial year:

- i. Annual Progress Report, indicating therein the number of patents, publications or any other achievement.
- ii. Utilization Certificate, Audited Utilization Certificate, Receipt & Payments, Statement of Expenditure.
- iii. Audited record of assets acquired wholly or substantially out of the grant-in-aid and a register for assets in the prescribed form i.e. GFR-19.
- iv. Separate Bills/vouchers related to Non-recurring and recurring expenditures duly signed & stamped by the PI & Head of the institution.
- v. Stock entry register duly verified by the Store-in-charge and PI & counter signed by Head of institution.

B. Documents to be submitted within two month of completion of the Project:

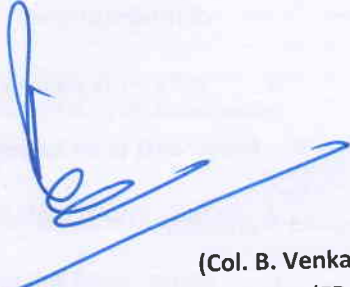
- i. The consolidated Utilization Certificate (UC) and Receipt & Payment Account for the Project duration, duly audited.
- ii. Consolidated audited statement of expenditure, to the effect that the grant has been utilized for the purpose for which it has been sanctioned. It should contain the head-wise break up of expenditure made from the grant-in-aid provided by the Council.
- iii. Project Completion Report duly signed & stamped by the PI & Head of the institution and Project Evaluation Committee (PEC) Members.
- iv. Principal Investigator/institute to submit the Feed Back Form in AICTE format.
- v. The prescribed formats for submission of necessary mandatory documents and Terms & Conditions may please be downloaded from www.aicte-india.org/schemes/research-innovations-development-schemes.

Note: Any deviation from the above said time schedule will cause serious action against the institute.

Approved list of items under Non-recurring grant:

S. No.	Approved Item (As per proposal)	No. of Units	Amount recommended
A.	Non-recurring		
i)	Pumping unit, strain control, lever, base plate, indicating unit, automated release platform	1	Rs.663333/-
ii)	Electrical accessories & wiring	1	
iii)	Load cells & LVDTs of different ranges	1.5	
iv)	Loading frame	1	
B.	Recurring (i.e. 90% of total approved recurring grant) for Contingencies & Consumables only		Rs.105353/-
	Grand Total (A)+(B)		Rs.768686/-

1. Registrar/Director/Principal,
KLE Technological University,
Hubli, Dharwad, Karnataka-580031
2. Name of Principal Investigator,
Dr. Manojkumar Chitawadagi,
KLE Technological University,
Hubli, Dharwad, Karnataka-580031
3. Office of Director General of Audit
General Revenues, AGCR Building
I.P. Estate, New Delhi-110002.
4. Guard File



(Col. B. Venkat)
Director (FDC)

21 AUG 2020

All India Council for Technical Education
(A Statutory body under Ministry of HRD, Govt. of India)
Nelson Mandela Marg, Vasant Kunj, New Delhi-110070 Website: www.aicte-india.org



STTP- Sanction Letter

Ref. No. 34-66/163/FDC/STTP/Policy-1/2019-20

Date 10 AUG 2020

From

Director,
Faculty Development Cell,
AICTE, New Delhi-110070

To

The Drawing and Disbursing Officer,
All India Council for Technical Education,
Nelson Mandela Marg,
Vasant Kunj, New Delhi – 110070

Sub: Release of grant for conduct of Short Term Training Programme (STTP) under AQIS 2019-20 during the financial year 2020-21-- reg.

Sir,

This is to convey the sanction of the Council for payment of **Rs. 311650 /- (Rupees Three Lakh Eleven Thousand Six Hundred Fifty Only)** for conduct of Short Term Training Program as per details given below:-

1.	Name and address of the beneficiary University / Institution	KLE TECHNOLOGICAL UNIVERSITY BVBHOOMARADDI COLLEGE CAMPUS, VIDYANAGAR, HUBBALLI Karnataka 580031
2.	Permanent ID of Institute	1-3626724751
3.	Institute type	University Managed-Private
4.	Name of Coordinator	Dr. SUNEETA BUDIHAL
5.	Amount sanctioned	Rs. 311650/-
6.	Amount to be released	Rs.311650/- Full & final payment
7.	Head of account	601.15(a) Gen. Short Term Training Programme (Plan)
8.	The authorized officer in whose favour Cheque/ Demand Draft/ RTGS is to be made	REGISTRAR / DIRECTOR / PRINCIPAL
9.	Title of the programme	Enabling wireless technology: Software Defined Radio (SDR) applications

1. The amount of the grant shall be drawn by the Drawing and Disbursing Officer, All India Council for Technical Education on the grant-in-aid bill and shall be disbursed to and credited to the Registrar/ Director/Principal of the institute through RTGS.
2. This grant-in-aid is being released in conformity with the terms & conditions as well as norms of the scheme as already communicated, and also being communicated in this letter.
3. The Principal of the Institute and the Coordinator of the Program are requested to verify the correctness of the under-mentioned Bank Account / RTGS Details submitted by them alongwith the proposals, in which the grant is being released:-

Institute PAN No.	Bank Name	Bank Branch Name	Bank Branch Address	Account Holder Name	Account Type	Account Number	IFSC Code
AACA9702A	SYNDICATE BANK	BVB Campus Branch	BVB Campus, Vidyanagar, Hubballi-580031	The Registrar, KLE Technological University	Saving Account	12442010009267	SYNB0001244

Instructions/Guidelines to be followed by the University/Institution

I. Disbursement of funds to University/Institutions

- The full amount of the grant sanctioned is being released as advance to the University/Institute.
- The amount spent by the institute on the conduct of STTP shall be adjusted on the basis of utilization certificate and detailed expenditure statement submitted by the University/Institution on the prescribed format along with other mandatory documents viz feedback form, copy of proceedings and completion report etc.
- The above said amount of grant shall be refunded back to AICTE if the Letter of Approval (LOA) / Extension of Approval (EOA) is not issued by AICTE to the institute for the academic year 2020-21.

II Maintenance of Accounts

- The Institute shall strictly follow the provisions laid down in the scheme document as available on the portal.
- Funds covered by this grant shall be kept separately and would not be mixed up with other funds so as to know the amount of interest accrued on the grant.
- The University/College/Institute shall maintain proper accounts of the expenditure out of the grants, which shall be utilized only on approved items of expenditure.
- The grant is intended to cover items of expenditure connected with the Short Term Training Programme such as Boarding & Lodging to the participants, TA to outstation participants, Honorarium to Course Coordinator, reading material to participants, Honorarium to resource persons, TA/DA to resource persons including two outstations resource persons & working expenses (reprographic services, postage, transport, daily wages, tea/coffee etc).

III. Conduct of test and issuance of certificate

A test shall be conducted by Program Monitoring Committee (PMC) at the end of the program and joint certificates shall be issued (by AICTE & conducting institute) to those participants who have attended the program and have scored minimum 60% marks in the test.

IV. Submission of Documents by the University/Institutions to AICTE

- The following mandatory relevant documents are required to be submitted by the University/Institution within one month of the completion of the program:-
 - Original Statement of actual expenditure & Utilization Certificate in the prescribed proforma duly signed by the Head of the institution and countersigned by Registrar/Finance Officer/Govt. Auditor. In case of self-financing/private institutions, Statement of actual Expenditure & Utilization Certificate are required to be audited & signed and sealed by a Chartered Accountant endorsing the membership number and complete postal address. Format for the same is available on AICTE web portal.

The University/Institution is not required to submit bills/vouchers/invoices etc for the expenditure incurred out of recurring grants. However, such copies of bills/vouchers/invoices shall be digitized by respective institutions receiving grant and uploaded scanned copies of such bills/vouchers/invoices etc on the portal for availability and view at any point of time.

- (ii) Feedback form in the prescribed proforma.
 - (iii) Copy of the proceedings and completion report.
 - (iv) List of candidates who have successfully completed the program on the basis of the test conducted by Program Monitoring Committee (PMC).
 - (v) Report submitted by Program Monitoring Committee (PMC).
- b. The amount of the grant shall be adjusted on submission of utilization certificate & detailed expenditure statement by University/Institution. On receipt of these documents, the total amount of financial assistance, admissible as per the norms, shall be worked out and grant-in-aid adjusted.

V. General instructions

- a. Preferably 10% of the participants may be industry professionals deputed by industry. Further, not more than 2 participants shall be from the host institution/group of institutions.
- b. The grant released/or part thereof, if remains unutilized for any reason after expiry of stipulated time period (for any reasons to include unspent amount, interest, penalty if imposed) shall be refunded back to AICTE in the form of RTGS payable to Member Secretary, AICTE, New Delhi. The bank details of AICTE are as under:-

Account No	: 55113199952
Name of the Account Holder	: Member Secretary, AICTE, New Delhi
Bank Name	: State Bank of India
Branch Name	: Shastri Bhawan, New Delhi
IFSC Code	: SBIN0050203

- c. The STTP is a residential program of a duration of six days with minimum 40 participants. The approved STTP shall be conducted within six months from the date of release of funds.
- d. If programme is not conducted within the period of six months of the release of the 100% grant, the released amount, alongwith interest accrued thereon, has to be necessarily returned back to AICTE within a month through RTGS.
- d. The expenditure under the Heads 'Honorarium to Course Coordinator' and 'Honorarium to Resource Persons' shall not exceed 1% & 20% respectively of the total sanctioned grant for the Programme. However, overall expenditure shall not exceed the funds sanctioned for the Programme.
- g. Any extra money required to complete the programme must be borne by the institute from their own resources. But the quality of the activities should not be compromised.
- h. Any unavoidable circumstantial change in the program with respect to name of Project Coordinator, Venue and date for organizing STTP would mandatorily require prior approval of the Council. All such requests should be addressed to AICTE, in advance, recording the specific reasons for proposed changes, failing which the offer for the grant already issued would be treated as automatically withdrawn and the financial assistance released in favour of the beneficiary institution shall be refunded immediately to the Council. Kindly mention the File No. 34-66/163/FDC/STTP/Policy 1/2019-20 in your future correspondence.
- i. **Steering Committee/Project Monitoring Committee (PMC)** is required to be constituted at institutional level. The constitution of the PEC shall be as under:
- (i) Principal/Director/Registrar of the institution (Chairperson).
 - (ii) Coordinator of the program (Member Secretary).
 - (iii) Two HoDs and one subject expert (members).

The members of the said PMC shall not be below the rank of Associate Professor. A test shall be conducted by Project Monitoring Committee (PMC) at the end of the program and the certificates shall be issued to those participants who have attended the program and have qualified in the test. The minutes of the meetings, along with PMC report, are to be submitted to the Council at end of the program along with other mandatory documents.

- j. **GoI GFR rules** (@<https://doe.gov.in/order-circular/general-financial-rules2017-0>) should be followed during utilization of grant.
- k. This Sanction Order may be treated as Offer Letter for all purposes.

NOTE:- Any deviation from the above will invoke serious action against the Institute.

Yours sincerely,

(Col. B Venkat)
Director (FDC)

10 AUG 2020

Copy forwarded for information and necessary action to: -

1. **Name and Address of the Coordinator**
Dr. SUNEETA BUDIHAL
KLE TECHNOLOGICAL UNIVERSITY
BVBHOOMARADDI COLLEGE CAMPUS, VIDYANAGAR, HUBBALLI
Karnataka580031
2. **The Registrar / Director / Principal**
KLE TECHNOLOGICAL UNIVERSITY
BVBHOOMARADDI COLLEGE CAMPUS, VIDYANAGAR, HUBBALLI
Karnataka580031
3. **Guard File**

ALL INDIA COUNCIL FOR TECHNICAL EDUCATION

Nelson Mandela Marg, Vasant Kunj,
New Delhi-110070

RPS - Sanction Letter

File No. 8-247/RIFD/RPS (POLICY-1)/2018-19

Date: 22 November 2019

The Drawing and Disbursing Officer
All India Council for Technical Education
Nelson Mandela Marg,
Vasant Kunj, New Delhi-110070,

Sub: Release of a sum of Rs.556234/- being the 1st installment of the total grant of Rs.564705/- for conduct of Project under Research Promotion Scheme (RPS) during the financial year 2019-20.

Sir,

With reference to the proposal submitted by the institute, this is to convey the sanction of the Council for payment of **Rs. 556234/- (Rupees Five Lakh FiftySix Thousand Two Hundred ThirtyFour Only)** as 1st installment out of a total approved grant-in-aid of **Rs.564705/-** for conduct of a Project under the Research Promotion Scheme (RPS), as per details given below:-

I.	Name and address of the Beneficiary Institution (University / College / Institution)	:	REGISTRAR / DIRECTOR / PRINCIPAL, KLE TECHNOLOGICAL UNIVERSITY, BVBHOOMARADDI COLLEGE CAMPUS, VIDYANAGAR, HUBLI DHARWAD KARNATAKA - 580031
II.	Principal Investigator's Name & Dept./Course	:	Dr. UMA MUDENGUDI Electronics Engineering
III.	Grant-in-aid Sanctioned	:	Rs.564705/- (Rs.479999/- for non-recurring and Rs.84706/- for recurring expenditure)
IV.	Amount to be Released during the year 2019-20 (as 1st installment)	:	Rs.556234/- (Rs.479999/- Full amount of non-recurring & Rs.76235/-90 % of recurring sanctioned)
V.	Project Duration	:	3 Years
VI.	Title of the Project	:	Shape Representation, Reconstruction and Rendering of 3D Models

I. Release of funds:

1. The amount of the grant shall be drawn by the Drawing and Disbursing Officer (DDO), All India Council for Technical Education, New Delhi on the Grants-in-aid bill and shall be disbursed to and credited to the account of KLE TECHNOLOGICAL UNIVERSITY, BVBHOOMARADDI COLLEGE CAMPUS, VIDYANAGAR, HUBLI DHARWAD KARNATAKA -580031 through **RTGS/PMFS**.
2. The sanctioned grant-in-aid is debitable to the **Major Head "601.12.a (RPS Plan)" Gen.** and is valid for payment during the financial year 2019-20.
3. The sanction issues in exercise of the powers delegated to the Council. It is also certified that grant-in-aid is being released in conformity with the rules and principles of the Scheme.
4. The grant-in-aid is being released in conformity with the Terms & Conditions as well as norms of the scheme as already communicated and also being communicated in this letter.

II. Maintenance of account by the Institute/PI:

1. Funds covered by this grant shall be kept separately and would not be mixed up with other funds so as to know the amount of interest accrued on the grant.
2. The grant is intended to cover items of expenditure/equipment approved by AICTE.
3. Acknowledgement of receipt of grant and letter of acceptance of terms and conditions is to be submitted to AICTE within 15 days from the receipt of the grant to the following address:

Advisor (RIFD), AICTE, Nelson Mandela Marg, Vasant Kunj, New Delhi-110070

4. The accounts of the grantee will be opened for test check by the Council or Comptroller & Auditor General of India or by any officer designated by them.
5. The Principal and PI of the institute are requested to verify the correctness of the undermentioned bank account/RTGS/PFMS details submitted by them alongwith the Proposal, in which the grant is being released. In case of any omission, the same should be reported to AICTE immediately along with refund of entire grant: -

Institute PAN No.	Bank Name	Bank Branch	Bank Branch Address	Account Holder Name	Account Type	Account Number	IFSC Code
AACAK97 02A	SYNDICA TE BANK	BVB Campus Branch	BVB Campus, Vidyanagar, Hubballi-580031	REGISTRAR	Saving Account	1244201000 9267	SYNB000124 4

6. The grantee Institution shall observe all financial norms and guidelines as prescribed by the AICTE/Government of India from time to time. Grantee institution must follow GFR guidelines in procuring the sanctioned items and maintain an audited record of assets acquired wholly or substantially out of the grant-in-aid and a register for assets shall be maintained by the Institute in the prescribed form i.e. GFR-19.
7. **Interest accrued on the sanctioned grant-in-aid will be reported and refunded to AICTE and not adjusted against the subsequent installment.**

III. General Instructions:

1. It should be ensured that no RPS project in favour of the same P.I. has been sanctioned during the last 03 years before utilizing this amount and the matter be brought to the notice of this Council immediately in case a faculty is sanctioned multiple RPS Projects.
2. The duration of Project is 03 years and the **date of release of the grant by AICTE shall be taken as the date of commencement of the project.** The **Principal/Director/Registrar** shall intimate about the receipt of the grant to AICTE. Any Expenditure, incurred prior to issuance of this Sanction Order, would not allowed to be adjusted in the grant and if the University/Institution do not take-up the project work **within 6 months** of the receipt of the grant, approval shall *ipso facto* lapse **and the Institute has to necessarily refund the entire grant to AICTE along with interest within a month. In case the grant is not refunded within said duration 18% interest will be levied on it.** The grant has to be refunded to AICTE, by way of a demand draft in favor of 'Member Secretary, AICTE payable at New Delhi.
3. As AICTE needs adequate time for depositing the demand draft in the bank, the same be immediately dispatched to avoid any lapse of the validity period.
4. The Institute may constitute a Project Evaluation Committee (PEC) The composition of the PEC shall be as under:
 - i. Principal/Director of the institution (Chairperson)
 - ii. Two HODs from institute (Members)
 - iii. In case of private institute one subject expert from government institute, not below the rank of Associate Professor (Member)
 - iv. Coordinator of the project (Member Secretary)
5. The grant shall be utilized strictly for the purpose as specified in the sanction letter. Re-appropriation of funds from one Head to another is strictly not permitted viz. Recurring and non-recurring Heads. Further, the equipment(s)/item(s) purchased should be as per the specifications and individual item-wise costs sanctioned by AICTE, and not taking the total grant sanctioned as one entity. Item-wise purchase cost shall be matched with the sanctioned cost, and the cost of item purchased below the sanction cost shall be restricted as actual cost. If the item purchase cost is higher than its sanctioned cost, the cost shall be restricted to the sanctioned cost and the additional amount shall be met by the Institute from its own resources.
6. Similarly, the recurring grant shall be used for the items sanctioned by the AICTE. No money be used for going abroad to attend Conference / seminars. However, for presenting a Paper in a Seminar / Conference **within the country**, the travel expenses may be met from the recurring grant.
7. No request for additional grant over and above the sanctioned grant shall be considered by the AICTE. The additional amount, if any, expended beyond the sanctioned grant shall be met by the Institute from its own resources.
8. The institute/University shall not charge any overheads on this Project and will provide all the administrative support **and timely release of grant to PI** for completion of the Project.

9. The grantee shall utilize grants only on approved items as per list of equipment attached. However, if the grantee wishes to recast the Project, approval of Council must be obtained for the revised item of expenditure and they will maintain proper accounts of the expenditure as per the norms/procedures of AICTE/Government of India. **The revised proposal should be within the total grant sanctioned and duly supported with reasons and recommendations of the Project Evaluation Committee.**
10. The assets acquired wholly or substantially out of All India Council for Technical Education's grant shall not be disposed or encumbered or utilized for the purpose other than those for which the Grant was given without proper sanction of the All India Council for Technical Education.
11. Each project sanctioned by AICTE is assigned a specific Reference Number which is given on pre-page. All correspondence address to AICTE regarding the project must quote this number alongwith year of sanction of the project, otherwise correspondence may not be entertained.
12. The grantee shall follow the terms and conditions of Research Promotion Scheme (RPS) as laid down by the Council from time to time.

IV. Submission of documents by the institute/PI to AICTE:

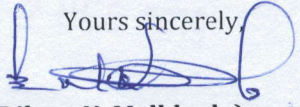
A. Documents to be submitted within one month of completion of each financial year:

- i. Annual Progress Report, indicating therein the number of patents, publications or any other achievement.
- ii. Utilization Certificate, Audited Utilization Certificate, Receipt & Payments, Statement of Expenditure.
- iii. Audited record of assets acquired wholly or substantially out of the grant-in-aid and a register for assets in the prescribed form i.e. GFR-19.
- iv. Separate Bills/vouchers related to Non-recurring and recurring expenditures duly signed & stamped by the PI & Head of the institution.
- v. Stock entry register duly verified by the Store-in-charge and PI & counter signed by Head of institution.

B. Documents to be submitted within two month of completion of the Project:

- i. The consolidated Utilization Certificate (UC) and Receipt & Payment Account for the Project duration, duly audited.
- ii. Consolidated audited statement of expenditure, to the effect that the grant has been utilized for the purpose for which it has been sanctioned. It should contain the head-wise break up of expenditure made from the grant-in-aid provided by the Council.
- iii. Project Completion Report duly signed & stamped by the PI & Head of the institution and Project Evaluation Committee (PEC) Members.
- iv. Principal Investigator/institute to submit the Feed Back Form in AICTE format.
- v. The prescribed formats for submission of necessary mandatory documents and Terms & Conditions may please be downloaded from www.aicte-india.org/schemes/research-innovations-development-schemes.

Note: Any deviation from the above said time schedule will cause serious action against the institute.

Yours sincerely,

(Dileep N. Malkhede)
Advisor (RIFD)

12 DEC 2019

:: 4 ::

Approved List of Items under Non-recurring grant:

S.No.	Approved Items (As per proposal)	Amount recommended
A.	Non-recurring (equipments)	
i)	Workstation (HP Z840)	Rs. 479999/-
B.	Recurring (for contingencies & consumables only)	Rs. 84706/-
Grand Total (A) + (B)		Rs. 564705/-

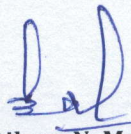
Copy forwarded for information and necessary action to:

1. REGSITRAR / DIRECTOR / PRINCIPAL,

KLE TECHNOLOGICAL UNIVERSITY,
BVBHOOMARADDI COLLEGE CAMPUS,
VIDYANAGAR, HUBLI DHARWAD,
KARNATAKA -580031

2. NAME OF PRINCIPAL INVESTIGATOR,
Dr. UMA MUDENGUDI,
KLE TECHNOLOGICAL UNIVERSITY,
BVBHOOMARADDI COLLEGE CAMPUS,
VIDYANAGAR, HUBLI DHARWAD,
KARNATAKA -5800313. OFFICE OF DIRECTOR GENERAL OF AUDIT
GENERAL REVENUES, AGCR BUILDING
I.P. ESTATE, NEW DELHI-110002.

4. GUARD FILE


(Dileep N. Malkhede)
Advisor (RIFD)

12 DEC 2019

2019-20

UNIVERSITY OF AGRICULTURAL SCIENCES, DHARWAD

No. DR-SRP/SCP/TSP/T-4/4.1/15/2019-20

4931-B

Directorate of Research
Krishinagar, Dharwad- 580 005
Date : 10-01-2020

ORDER

Sub : Sanction and allocation of budget for Short Term Innovative Research Project (SRP-SCP/TSP) for 2019-20- reg.

Ref : Approval of the Hon'ble Vice-chancellor, UAS, Dharwad dated : 09.01.2020

Allocation of budget has been made for the financial year 2019-20 for Short Term Innovative Research Project (SCP/TSP) under Ab.A/c. No. 3814 as detailed below and re-appropriation of the budget will not be entertained.

DR. No.	Project Title	PI	Co-PI	Durati on (Yrs)	Partic ulars	DAC	Amount (Rs. In lakhs)
15	Evaluation of Nano Bacterial Cellulose based packaging on shelf life of Tomato	Dr. Ashwini M	Dr. Ashok M, Sajjan, Dr. Netra P, Dr. Archana L	1	ORC	300	2.50
Head of Acct. :		3814	Total Rs.			2.50	

The Scientist is informed to conduct the research as per the proposal and submit the consolidated progress report regularly. The Financial Sanction may be obtained from the concerned officers as per the delegation of financial powers vide order No. C/S-IV/PS/3902-B /2019-20 dated 30-09-2019 with a copy of the same to the undersigned

The Principal Investigator of concerned Research Project is hereby informed to book the expenditure at an earliest

The Drawing Officer for the Project is Asst. Comptroller, CCSc, Dharwad

ALP
DIRECTOR OF RESEARCH

To
Dr. Ashwini M
Asst. Professor, Dept. of FIM, B Tech
(Food Technology), CCSc, Dharwad

CWC To Comptroller, UAS, Dharwad / Assistant Comptroller, AC, Dharwad / Vijayapur / Handmanamatti / CCS, Dharwad / COF, Sirsi / MARS, Dharwad / concerned for information
The Personal Secretary to Vice-Chancellor, UAS, Dharwad

3.1.6

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

2018- 19

DST/ICPS/IHDS/2018 (General)
Government of India
Ministry of Science & Technology
Department of Science & Technology

Technology Bhavan
New Mehrauli Road
New Delhi- 110 016
Dated: 13.03.2019

ORDER

Sub: Financial assistance for the Consortium Mode Proposal under the Indian Heritage in Digital Space (IHDS) of Interdisciplinary Cyber Physical Systems (ICPS) Programme of the Department of Science & Technology (DST), GOI, New Delhi.

PI: Prof. Santanu Chaudhury, Director, Indian Institute of Technology (IIT)-Jodhpur, NH 65, Surpura Bypass Rd, Karwar, Rajasthan.

Sanction of the President is hereby accorded for the Consortium mode proposals under the Indian Heritage in Digital Space (IHDS) of ICPS Programme of DST consisting of 17 R&D projects at a total cost of **₹. 1275.551 Lakhs** (Rupees Twelve Crore Seventy Five Lakh Fifty Five Thousand One Hundred only) i.e. **₹. 534.900 Lakhs (Rupees Five Crore Thirty Four Lakh Nine Thousand only)** under non-recurring head and **₹. 740.651 Lakhs (Rupees Seven Crore Forty Lakh Sixty Five Thousand One Hundred only)** under recurring head to Indian Institute of Technology (IIT)-Jodhpur, Rajasthan for a duration of 36 months. Year wise break-up of the recurring grant of **₹. 740.651 Lakhs** to all the 17 R&D projects is given below and the break-up of each R&D projects is given at **Annexure-B**.

Sl No	PI, Affiliation & Project Title	Budget (Rupees in Lakhs)			
		1 st year	2 nd year	3 rd year	Total
1.	PI: Dr. Bhabatosh Chand, ISI Kolkata Digital Restoration and Reconstruction of Indian Heritage Artefacts with Focus on Murals, Manuscripts and Sculptures using Big Data Technology	12.2	12.2	11.064	35.464
2.	PI: Dr. Chetan Arora, IIT-Delhi Generating and Rendering Virtual Models of Indian Heritage Archaeological Sites from Head Mounted and Drone Mounted Cameras	14.88	14.88	15.74	45.5
3.	PI: Dr. Siddhartha Chaudhuri, IIT-Mumbai Recreating Digital Heritage in Augmented Realty	6	6	6.36	18.36
4.	PI: Dr. S Indu, DTU Delhi Development of frame work for imaging, restoring and archiving inscription and manuscript	6.64	5.94	6.347	18.927
5.	PI: Dr. S.C. Bose, CEERI-Pilani Development of Technologies for Environmental Audio and Aroma Digitization and Recreation for Indian Heritage Sites	16.6	14.6	14.39	45.59
6.	PI: Dr. M.B.Rajani, IISc-Bangalore Historical water systems in the extended landscape of Malaprabha River Valley	10.4	10.15	8.62	29.17

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7.	PI: Dr. Sukumar Nandi, IIT-Guwahati Archiving, Modelling and Visualization of the Eco-Cultural Heritage of the Majuli River island of Assam	16.7	16.7	16.1	49.5
	Dr. Rajib Kumar Bhattacharjya, Tezpur University	7.9	6.9	7.37	22.17
8.	PI: Dr. Shiva Ji, Mizoram University Creating Digital Heritage of Representative Architectural Marvels from Each State of North East India	13.2	13.2	13.06	39.46
9.	PI: Dr. Prof. Bharath Shekar, IIT-Mumbai Digital reconstruction of ancient Indian engineering via machine learning	13.73	13.53	14.564	41.824
10.	PI: Dr. Anindya Sinha, IISc-Bangalore Early fusion music: Cross-cultural musical exchanges in colonial India from the late 18th to the early 20th century	12.8	11.1	12.04	35.94
11.	PI: Dr. Avinash Sharma, IIIT-Hyderabad Computational Imaging and Visualization of Traditional Indian Dance Performances	11.3	11.3	12.24	34.84
12.	PI: Dr. Sundaresh, CSIR-NIO-Goa Relocating underwater archaeological structures off Dwarka to generate data for digitization	29.8	24.8	25.1	79.7
13.	PI: Dr. Subodh Kumar, IIT-Delhi Virtual immersion in under water sites	30.518	18.568	19.514	68.6
14.	PI: Prof. Subhasis Chaudhuri, IIT-Mumbai Haptic Rendering of Underwater Digital Heritage	21.42	11.22	12.166	44.806
15.	PI: Prof. Rajagopalan A. N, IIT-Madras Underwater Image Processing and Computer Vision	10.2	9.7	10.56	30.46
16.	PI: Dr. Uma Mudenagudi, KLET University. Crowdsourcing Framework for Digital Archiving and Presentation of Cultural Heritage	13.8	13.8	13.74	41.34
17.	PI: Prof. Santanu Chaudhury, Indian Institute of Technology (IIT)-Jodhpur. IHDS Co-ordination Project	20	20	19	59
	Total	268.088	234.588	237.975	740.651

2. The sanction of the President is also accorded to the release of **Rs. 1,70,00,000/- (Rupees One Crore Seventy Lakh only)** being the first installment of grant under "General Component" for implementation of the above mentioned project. Indian Institute of Technology (IIT)-Jodhpur, in turn shall release the 1st installment to each project to the component institutes as mentioned against each project and as per details given in the **Annexure-C** within seven days from the date of receipt of funds from DST as per the bank details for electronic transfer of funds through RTGS.

A. Sharma

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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. Indian Institute of Technology (IIT)-Jodhpur (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 (IIT-Jodhpur) 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 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".***

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

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.



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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 debitable 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)(ICPS)

15. The amount of **Rs. 1,70,00,000/- (Rupees One Crore Seventy Lakh only)** will be drawn by the Drawing and Disbursing Officer, DST and will be disbursed to Director, Indian Institute of Technology (IIT)-Jodhpur, Rajasthan through RTGS in Account No: **50200007479915**, HDFC Bank Ltd, IFSC Code: **HDFC0000142**, MICR Code : **342240002**.

16. These Consortium Mode Proposal under the Indian Heritage in Digital Space (IHDS) 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.99 in the register of grants maintained in the Division.

18. This issues with the concurrence of IFD vide their concurrence diary No.C/5855/IFD/2018-2019 dated 12.03.2019.

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.


(Dr. Rajeev Sharma)
Scientist E


The Pay & Accounts Officer
Department of Science & Technology
New Delhi -110 016.

Copy for information and necessary action:

1. Cash Section (3 copies) for preparing the bill and remitting the amount to the above grantee.
2. Accounts Section, DST, New Delhi.
3. IFD, DST, New Delhi.
4. Director of audit (CW&M-II) AGCR Building, IP Estate, New Delhi.
5. Prof. Santanu Chaudhury, Director, Indian Institute of Technology (IIT)-Jodhpur, NH 65, Surpura Bypass Rd, Karwar, Rajasthan.
6. Director, Indian Statistical Institute (ISI), Plot No. 203, Barrackpore Trunk Road, Baranagar, Kolkata, West Bengal 700108.



7. Dr. Bhabatosh Chanda, Professor, Electronic & communication science unit, ISI, 203, B.T.Road, Kolkata, 700108.
8. The Registrar, Indian Institute of Technology-Delhi (IIT-D), Hauz Khas, New Delhi-110016.
9. Dr. Chetan Arora, Associate Professor, IIT Delhi, Hauz Khas, New Delhi-110016..
10. Registrar, Indian Institute of Technology (IIT)-Bombay, Powai, Mumbai-400 076, Maharashtra.
11. Dr. Siddhartha Chaudhuri, Institute Chair Assistant Professor, Department of Computer Science and Engineering, Indian Institute of Technology (IIT)-Bombay, Powai, Mumbai-400 076, Maharashtra.
12. Registrar, Delhi Technological University (DTU), Bawana Rd, Delhi Technological University, Shahbad Daulatpur Village, Rohini, Delhi, 110042.
13. Dr. S Indu, Associate Professor, Delhi Technological University (DTU), Bawana Rd, Delhi Technological University, Shahbad Daulatpur Village, Rohini, Delhi, 110042.
14. Director, Central Electronics Engineering Research Institute, Pilani, Rajasthan 333031.
15. Dr. S.C. Bose, Chief Scientist, CSIR- Central Electronics Engineering Research Institute, Pilani, Rajasthan 333031.
16. Registrar, Indian Institute of Science (IISc) Campus, Bengaluru, 560012, Karnataka.
17. Dr. M.B.Rajani, Assistant Professor, Indian Institute of Science (IISc) Campus, Bengaluru, 560012.
18. Director, Indian Institute of Technology (IIT) Guwahati, Guwahati- 781039.
19. Dr. Sukumar Nandi, Professor, Centre for Linguistic Science and Technology Guwahati, Indian Institute of Technology (IIT) Guwahati, Guwahati- 781039, Assam.
20. Registrar, Tezpur University, Napaam, Tezpur, Assam 784028
21. Dr. Rajib Kumar Bhattacharjya, Tezpur University, Napaam, Tezpur, Assam 784028
22. Registrar, Mizoram University, Aizawl, Mizoram 796004.
23. Dr. Shiva Ji, Assistant Professor, Mizoram University, Aizawl 796004, India.
24. Dr. Prof. Bharath Shekar, Assistant Professor, Department of Earth Sciences, Indian Institute of Technology (IIT)-Bombay, Powai, Mumbai-400 076, Maharashtra.
25. Dr. Anindya Sinha, Professor, Indian Institute of Science (IISc) Campus, Bengaluru, 560012, Karnataka.
26. Director, International Institute of Information Technology (IIIT) DLF Building, Professor CR Rao Rd, Gachibowli, Hyderabad, Telangana 500032.
27. Dr. Avinash Sharma, Assistant Professor, 2nd floor, kohli Research Block, International Institute of Information Technology (IIIT) DLF Building, Professor CR Rao Rd, Gachibowli, Hyderabad, Telangana 500032.
28. Director, CSIR-National Institute of oceanography, Goa, Dona Paula, Goa 403004.
29. Dr.Sundaresh, Principal Technical Officer, Marine Archaeology Unit, CSIR-National Institute of oceanography, Goa, Dona Paula, Goa 403004.
30. Dr. Subodh Kumar, Professor, Indian Institute of Technology-Delhi (IIT-D), Hauz Khas, New Delhi-110016.
31. Prof. Subhasis Chaudhuri, Professor, Department Of Electrical Eng, Indian Institute of Technology (IIT)-Bombay, Powai, Mumbai-400 076, Maharashtra.
32. Registrar, Indian Institute of Technology (IIT)-Madras, Chennai-600 036, Tamil Nadu.
33. Prof. Rajagopalan A. N., Professor, Dept. of Electrical Engineering, Indian Institute of Technology (IIT)-Madras, Chennai-600 036, Tamil Nadu.
34. Registrar, KLE Technological University, BVB campus, Hubballi -580031, Karnataka
35. Dr. Uma Mudenagudi, Professor, School of Electronics Engineering, KLE Technological University, BVB campus, Hubballi -580031, Karnataka.
36. Head, ICPS, DST.
37. Sanction folder.


(Dr. Rajeev Sharma)
Scientist E

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:

R. Sharma

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- 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

Project Title: Digital Restoration and Reconstruction of Indian Heritage Artefacts with Focus on Murals, Manuscripts and Sculptures using Big Data Technology (PI: Dr. Bhabatosh Chanda, Professor, Electronic & communication science unit, ISI, 203, B.T.Road, Kolkata, 700108)

S No	Budget Head	Budget			
		1 st year	2 nd year	3 rd Year	Total
1	Project Staff				
	JRF 2 nos.	7.20	7.20	8.064	22.464
2	Contingencies	.50	.50	.50	1.50
3	Consumables	2.00	2.00	1.00	5.00
4	Domestic Travel	.50	.50	.50	1.50
	Total	10.2	10.2	10.064	30.464
5	Institutional overheads	2.00	2.00	1.00	5.00
	Grand Total	12.20	12.20	11.064	35.464

PROPOSAL -2

Project Title: Generating and Rendering Virtual Models of Indian Heritage Archaeological Sites from Head Mounted and Drone Mounted Cameras (PI: Dr. Chetan Arora, Associate Professor, IIT Delhi)

Sl.No	Budget Head	1st Year	2nd Year	3rd Year	Total
1	Project Staff				
	R.A-I – 1 @ Rs. 36,000/- + 20% HRA.	5.18	5.18	5.18	15.54
	JRF-02 @ Rs. 25,000/- + 20% HRA & Rs. 28,000/- + 20% HRA for 3rd year as SRF	7.20	7.20	8.06	22.46
2	Domestic Travel	0.50	0.50	0.50	1.50
3	Consumable	0.50	0.50	0.50	1.50
4	Contingency	0.50	0.50	0.50	1.50
	Subtotal	13.88	13.88	14.74	42.5
5	Institute Overheads	1.00	1.00	1.00	3.00
	Grand Total	14.88	14.88	15.74	45.5

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R. Sharma

PROPOSAL -3

-10-

Project title : Recreating Digital Heritage in Augmented Realty_ (PI : Dr. Siddhartha Chaudhuri, Institute Chair Assistant Professor, Department of Computer Science and Engineering, IIT Bombay, Powai, Mumbai) (Co-PI: Dr. Parag Kumar Chaudhuri, IIT-Bombay)

Sl.No	Budget head	1 st Year	2 nd Year	3 rd year	Total
1.	Project staff				
	JRF-01 @ Rs. 25,000/- for 2 years & @ Rs. 28,000/- for 3 rd year as SRF	3.00	3.00	3.36	9.36
2	Domestic Travel	0.50	0.50	0.50	1.50
3	Consumables	1.00	1.00	1.00	3.00
4	Contingency	0.50	0.50	0.50	1.50
	Total	5	5	5.36	15.36
5	Overheads	1.00	1.00	1.00	3.00
	Grand Total	6	6	6.36	18.36

PROPOSAL -4

Project title : Development of frame work for imaging, restoring and archiving inscription and manuscript (PI : Dr. S Indu, Associate Professor, DTU, Bawana Road Delhi)

Sl.No	Budget head	1 st Year	2 nd Year	3 rd year	Total
1.	Project staff				
	JRF - 1 No @ Rs. 25000 + 30% HRA & Rs. 28000 + 30% HRA for 3 rd year as SRF	3.90	3.90	4.37	12.17
2	Domestic Travel	0.50	0.50	0.50	1.50
3	Consumables	0.50	0.50	0.40	1.40
4	Contingencies	0.50	0.50	0.50	1.50
	Total	5.4	5.4	5.77	16.57
5	Institutional overheads	1.24	0.54	0.577	2.357
	Grand Total	6.64	5.94	6.347	18.927

PROPOSAL -5

Project title Development of Technologies for Environmental Audio and Aroma Digitization and Recreation for Indian Heritage Sites_ (PI : Dr. S.C. Bose, Chief Scientist, CSIR-CEERI, Pilani-333301 (Raj.), India) (Co-PI : Dr. Abhijit Karmakar, Mr. Rahul Prajesh and Dr. R. Mukhiya CSIR-CEERI, Pilani-333301).

Sl.No	Item	1 st Year	2 nd Year	3 rd year	Total
1.	Project Staff				
	JRF-2 @ Rs. 25,000/- +10% HRA for the first two years and @ Rs. 28,000/- + 10% HRA for the 3 rd year as SRF	6.60	6.60	7.39	20.59
2.	Travel	0.50	0.50	0.50	1.50
3.	Consumables	7.00	5.00	5.00	17.00
4.	Contingency	0.50	0.50	0.50	1.50
	Total	14.6	12.6	13.39	40.59

R. Sharma

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5.	Overheads	2.00	2.00	1.00	5.00
	Grand Total	16.6	14.6	14.39	45.59

PROPOSAL -6

Project title : Historical water systems in the extended landscape of Malaprabha River Valley
(PI: Dr. M.B.Rajani, Assistant Professor, Indian Institute of Science Campus, Bengaluru, 560012)
(Co-PI : Dr. SrikumarM. Menon, Indian Institute of Science Campus, Bengaluru, 560012).

Sl.No	Item	IIT-Bombay			
		1 st Year	2 nd Year	3 rd year	Total
1.	Project staff				
	JRF-01 @ Rs. 25,000/- + 30% HRA for 2 years & @ Rs. 28,000/- + 30% HRA for 3 rd year as SRF	3.90	3.90	4.37	12.17
2	Domestic Travel	0.50	0.50	0.50	1.50
3	Consumables	0.50	0.25	0.25	1.00
4	Contingency	0.50	0.50	0.50	1.50
5	Others	4.00	4.00	2.00	10.00
	Total	9.4	9.15	7.62	26.17
6	Overheads	1.00	1.00	1.00	3.00
	Grand Total	10.4	10.15	8.62	29.17

PROPOSAL -7

Project title : Archiving, Modelling and Visualization of the Eco-Cultural Heritage of the Majuli River island of Assam (PI: Dr. Sukumar Nandi, Professor, Centre for Linguistic Science and Technology Guwahati, Indian Institute of Technology Guwahati, Guwahati- 781039) (Co-PI : Dr. Rajib Kumar Bhattacharjya, Dr. Samit Bhattacharya & Dr. Parasmoni Dutta).

Sl.No	Item	IIT-Guwahati				Tezpur University			
		1 st Year	2 nd Year	3 rd year	Total	1 st year	2 nd year	3 rd year	Total
1.	Project staff								
	JRF-03 to IIT-G & JRF-01 to TU	11.70	11.70	13.10	36.50	3.90	3.90	4.37	12.17
2	Travel	0.50	0.50	0.50	1.50	0.50	0.50	0.50	1.50
3	Consumables	2.00	2.00	1.00	5.00	1.00	1.00	1.00	3.00
4	Contingency	0.50	0.50	0.50	1.50	0.50	0.50	0.50	1.50
	Total	14.7	14.7	15.1	44.5	5.9	5.9	6.37	18.17
5	Overheads	2.00	2.00	1.00	5.00	2.00	1.00	1.00	4.00
	Grand Total	16.7	16.7	16.1	49.5	7.9	6.9	7.37	22.17

Contd/-

R. Sharma

PROPOSAL -8

Project title : Creating Digital Heritage of Representative Architectural Marvels from Each State of North East India (PI : Dr. Shiva Ji, Assistant Professor, Mizoram University, Aizwal 796004, india)

Sl.No	Item	1 st Year	2 nd Year	3 rd year	Total
1.	Project staff				
	JRF-02 @ Rs. 25,000/-+20% HRA for 2 years and @ Rs. 28,000/- + 20% HRA for 3 rd year as SRF	7.20	7.20	8.06	22.46
2	Travel	0.50	0.50	0.50	1.50
3	Consumables	1.00	1.00	1.00	3.00
4	Contingency	0.50	0.50	0.50	1.50
5	Miscellaneous	3.00	3.00	2.00	8.00
	Total	12.2	12.2	12.06	36.46
6	Overheads	1.00	1.00	1.00	3.00
	Grand Total	13.2	13.2	13.06	39.46

PROPOSAL -9

Project title : Digital reconstruction of ancient Indian engineering via machine learning (PI : Dr. Prof. Bharath Shekar, Assistant Professor, Department of Earth Sciences, IIT Bombay, Powai, Mumbai, 400076) (Co-PI : Prof. Vivek Natarajan & Prof. Debasish Chatterjee, IIT Bombay, Powai, Mumbai, 400076)

Sl.No	Item	1 st Year	2 nd Year	3 rd year	Total
1.	Project staff				
	JRF-02 @ Rs. 25,000/-+30% HRA for 2 years and @ Rs. 28,000/- + 30% HRA for 3 rd year as SRF	7.80	7.80	8.74	24.34
2	Travel	0.50	0.50	0.50	1.50
3	Consumables	0.50	0.50	0.50	1.50
4	Contingency	0.50	0.50	0.50	1.50
5	Miscellaneous	3.00	3.00	3.00	9.00
	Total	12.3	12.3	13.24	37.84
6	Overheads	1.43	1.23	1.324	3.984
	Grand Total	13.73	13.53	14.564	41.824

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R. Sharma

PROPOSAL -10

Project title : Early fusion music: Cross-cultural musical exchanges in colonial India from the late 18th to the early 20th century (PI: Dr. Anindya Sinha, Professor, Indian Institute of Science Campus, Bangalore 560012, India) (Co-PI : Dr. M B Rajani, Dr. Nithin Nagaraj & Dr. Naresh Keerthi, IISc-Bangalore)

Sl.No	Item	1 st Year	2 nd Year	3 rd year	Total
1.	Project staff				
	JRF-02 @ Rs. 25,000/-+30% HRA for 2 years and @ Rs. 28,000/- + 30% HRA for 3 rd year as SRF	7.80	7.80	8.74	24.34
2	Travel	0.50	0.50	0.50	1.50
3	Consumables	0.30	0.30	0.30	0.90
4	Contingency	0.50	0.50	0.50	1.50
5	Miscellaneous/workshops	2.00	1.00	1.00	4.00
	Total	11.1	10.1	11.04	32.24
6	Overheads	1.70	1.00	1.00	3.70
	Grand Total	12.8	11.1	12.04	35.94

PROPOSAL -11

Project title : Computational Imaging and Visualization of Traditional Indian Dance Performances) (PI : Dr. Avinash Sharma, Assistant Professor, 2nd floor, kohli Research Block, IIIT Hyderabad Campus, Gachibowli, Hyderabad, Telangana, 500032) (Co-PI : Dr. Vineet Gandhi, Dr. Anoop Namboodiri & Prof. P. J. Narayanan, IIIT-Hyderabad).

Sl.No	Item	1 st Year	2 nd Year	3 rd year	Total
1.	Project staff				
	JRF-02 @ Rs. 25,000/-+30% HRA for 2 years and @ Rs. 28,000/- + 30% HRA for 3 rd year as SRF	7.80	7.80	8.74	24.34
2	Travel	0.50	0.50	0.50	1.50
3	Consumables	1.50	1.50	1.50	4.50
4	Contingency	0.50	0.50	0.50	1.50
	Total	10.3	10.3	11.24	31.84
5	Overheads	1.00	1.00	1.00	3.00
	Grand Total	11.3	11.3	12.24	34.84

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PROPOSAL -12

Project title : Relocating underwater archaeological structures off Dwarka to generate data for digitization (PI : Dr. Sundaresh, Principal Technical Officer, Marine Archaeology Unit, CSIR-National Institute of oceanography, Goa, Dona Paula, Goa 403004, India) (Co-PI : Dr. AS Gaur, NIO, Gao)

Sl.No	Budget head	1 st Year	2 nd Year	3 rd year	Total
1.	Project staff				
	JRF-03 @ Rs. 25,000/-+20% HRA for 2 years and @ Rs. 28,000/- + 30% HRA for 3 rd year as SRF	10.80	10.80	12.10	33.70
2	Travel	0.50	0.50	0.50	1.50
3	Consumables	3.00	3.00	2.00	8.00
4	Contingency	0.50	0.50	0.50	1.50
5	Other cost	10.00	5.00	5.00	20.00
	Total	24.8	19.8	20.1	64.7
6	Overheads	5.00	5.00	5.00	15.00
	Grand Total	29.8	24.8	25.1	79.7

PROPOSAL -13

Project title : Virtual immersion in under water sites (PI : Subodh Kumar, Professor, Indian Institute of Technology (IIT)-Delhi, New Delhi) (Co-PI : Dr. Subhashis Banerjee, Dr. Prem K Kalra & Dr. Arun Kumar, IIT-Delhi)

Sl.No	Budget head	1 st Year	2 nd Year	3 rd year	Total
1.	Project staff				
	RA-I - 1 No @ Rs. 36,000/- + 20% HRA	5.18	5.18	5.18	15.54
	JRF-02 @ Rs. 25,000/-+20% HRA for 2 years and @ Rs. 28,000/- + 20% HRA for 3 rd year as SRF	7.20	7.20	8.06	22.46
2	Travel	0.50	0.50	0.50	1.50
3	Consumables	3.00	1.00	1.00	5.00
4	Contingency	0.50	0.50	0.50	1.50
5	Other cost	5.00	2.50	2.50	10.00
	Total	21.38	16.88	17.74	56.00
6	Overheads	9.138	1.688	1.774	12.60
	Grand Total	30.518	18.568	19.514	68.6

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PROPOSAL -14

Project title : Haptic Rendering of Underwater Digital Heritage (PI : Prof. Subhasis Chaudhuri, Professor, Department Of Electrical Eng, IIT Bombay, Powai, Mumbai)

Sl.No	Budget Head	1 st Year	2 nd Year	3 rd year	Total
1.	Project staff				
	JRF-02 @ Rs. 25,000/-+30% HRA for 2 years and @ Rs. 28,000/- + 30% HRA for 3 rd year as SRF	7.20	7.20	8.06	22.46
2	Travel	0.50	0.50	0.50	1.50
3	Consumables	3.00	1.00	1.00	5.00
4	Contingency	0.50	0.50	0.50	1.50
5	Miscellaneous	1.00	1.00	1.00	3.00
	Total	12.2	10.2	11.06	33.46
6	Overheads	9.22	1.02	1.106	11.346
	Grand Total	21.42	11.22	12.166	44.806

PROPOSAL -15

Project title : Underwater Image Processing and Computer Vision (PI : Prof. Rajagopalan A. N., Professor, Dept. of Electrical Engg., IIT Madras) (Co-PI : Prof. Kaushik Mitra, IIT-Madras)

Sl.No	Budget head	1 st Year	2 nd Year	3 rd year	Total
1.	Project staff				
	JRF-02 @ Rs. 25,000/-+30% HRA for 2 years and @ Rs. 28,000/- + 30% HRA for 3 rd year as SRF	7.20	7.20	8.06	22.46
2	Travel	0.50	0.50	0.50	1.50
3	Consumables	1.00	0.50	0.50	2.00
4	Contingency	0.50	0.50	0.50	1.50
	Total	9.2	8.70	9.56	27.46
5	Overheads	1.00	1.00	1.00	3.00
	Grand Total	10.2	9.7	10.56	30.46

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R. Sharma

PROPOSAL -16

Project title : Crowdsourcing Framework for Digital Archiving and Presentation of Cultural Heritage (PI : Dr. Uma Mudenagudi, Professor, School of Electronics Engineering, KLE Technological University, BVB campus, Hubballi -580031, Karnataka) (Co-PI : Dr. Meena S. M & Mr. Shankar G, KLE Technological University, BVB campus, Hubballi -580031, Karnataka)

S No	Budget Head	Budget			
		1 st year	2 nd year	3 rd Year	Total
1	Project Staff				
	JRF 2 nos. (Computer Science/Data Science.)	7.80	7.80	8.74	24.34
2	Contingencies	0.50	0.50	0.50	1.50
3	Domestic travel	0.50	0.50	0.50	1.50
4	Consumables	2.00	2.00	2.00	6.00
5	Miscellaneous/Contingency	1.00	1.00	1.00	3.00
	Total	11.8	11.8	12.74	36.34
6	Institutional overheads	2.00	2.00	1.00	5.00
	Grand Total	13.8	13.8	13.74	41.34

PROPOSAL -17

Project title : Co-ordination of Projects for Development of Technologies for Preservation and Recreation of Indian Heritage in Digital Space (PI : Prof. Santanu Chaudhury, Director, IIT-Jodhpur) (Co-PI : Prof. Subhashish Chaudhuri, IIT-Bombay)

S No	Budget Head	Budget			
		1 st year	2 nd year	3 rd Year	Total
1	Project Staff				
	JRF 2 nos. (Computer Science/Data Science.)	6.00	6.00	6.00	18.00
2	Contingencies	0.50	0.50	0.50	1.50
3	Domestic travel	0.50	0.50	0.50	1.50
4	Consumables	1.00	1.00	1.00	3.00
5	Workshop	10.00	10.00	10.00	30.00
	Total	18	18	18	54
6	Institutional overheads	2.00	2.00	1.00	5.00
	Grand Total	20	20	19	59

R. Sharma

Sl.No	Beneficiary	Account Number	Bank Name	IFSC Code	MICR Code	Recurring	Total
1	ISI-Kolkata	0071050000118	United Bank of India	UTBI0DLB140	700027046	10.00	10.00
2	IIT-Delhi	10773572600	State Bank of India	SBIN0001077	110002156	10.00	10.00
3	IIT-Bombay	10725729173	State Bank of India	SBIN0001109	400002034	6.00	6.00
4	DTU, Delhi	31007875089	State Bank of India	SBIN0010446	110002438	6.50	6.50
5	CEERI-Pilani	61033385318	State Bank of India	SBIN0031398	333003398	10.50	10.50
6	IISc-Bangalore	31728098170	State Bank of India	SBIN0002215	560002020	10.00	10.00
7	IIT-Guwahati	30247450489	State Bank of India	SBIN0014262	781002053	10.00	10.00
8	Tezpur university	30448821505	State Bank of India	SBIN0000195	784002002	7.00	7.00
9	Mizoram university	1548010004312	United Bank of India	UTBI0MZUH61	-	10.00	10.00
10	IIT-Bombay	10725729173	State Bank of India	SBIN0001109	400002034	10.00	10.00
11	IISc-Bangalore	31728098170	State Bank of India	SBIN0002215	560002020	10.00	10.00
12	IIT-Hyderabad	52081085019	State Bank of India	SBIN0021161	500002433	10.00	10.00
13	NIO-Goa	30267368692	State Bank of India	SBIN0003566	403002004	10.00	10.00
14	IIT-Delhi	10773572600	State Bank of India	SBIN0001077	110002156	10.00	10.00
15	IIT-Bombay	10725729173	State Bank of India	SBIN0001109	400002034	10.00	10.00
16	IIT Madras	2722101001741	Canara Bank	CNRB0002722	600015085	10.00	10.00
17	KLE University T	12442010009267	Syndicate Bank	SYNB0001244	580025011	10.00	10.00
18	IIT-Jodhpur	50200007479915	HDFC Bank Ltd	HDFC0000142	342240002	10.00	10.00
	TOTAL					170.00	170.00



DST/ICPS/DIGITAL POOMPUHAR/2017 (General)

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

Technology Bhavan
New Mehrauli Road
New Delhi- 110 016
Dated: 14.03.2019

ORDER

Sub: Financial assistance for the Cluster proposals under the "Digital Poompuhar", Network project on Digital Reconstruction of Underwater Heritage Site- Poompuhar of Interdisciplinary Cyber Physical Systems (ICPS) Programme of the Department of Science & Technology (DST), GOI, New Delhi.

PI : Prof. S.M. Ramasamy, Professor of Eminence, Department of Remote sensing, Bharathidasan University, Tiruchirappalli- 623 021, Tamil Nadu.

Sanction of the President is hereby accorded to the approval of the above mentioned project at a total cost of Rs. 850.563 Lakhs (Rupees Eight Crores Fifty Lakh Fifty-Six Thousand Three Hundred only) for a duration of three years (36 months). The detailed breakup of the grant for the General as well as for Capital Components are given below:

General Component: **Rs. 801.213 Lakhs**

Capital Component : **Rs. 49.350 Lakhs**

Total ; Rs. 850.563 Lakhs

2. The sanction of the President is also accorded to the release of Rs. 130.00 Lakhs (Rupees One Crore Thirty Lakh only) being the first installment of grant under "General Component" for implementation of the above mentioned project. The item of expenditure for which the total allocation of Rs. 850.563 Lakhs has been approved for a period of 36 months are as given below:

Non-recurring (Capital Items)

Proposal No	Equipment details	Institute	Amount (Rs. In Lakhs)	Total (Rs. In Lakhs)
4	Software Tools	KLE Technological University, Hubballi	Rs. 15.00	Rs. 15.00
5	High end computer-02	Tamil University, Thanjavur	Rs. 1.00	Rs. 1.00
6	Satellite data (Cartosat, IRS P6LISS IV data and SAR/ERS data hard and soft copy, high resolution bathymetry data	Bharathidasan University, Tiruchirappalli	Rs. 3.00	Rs. 3.00
7	Satellite image -LISS -IV, Ressourcesat-2from NRSC & Computer and Peripherals	Gandhigram Rural Institute, Dindigal	Rs.4.00	Rs. 4.00
9	Equipment	Annamalai University	Rs. 0.75	Rs. 0.75
10	Equipment	Annamalai University	Rs. 0.60	Rs. 0.60
11	Equipment	Bharatiar University	Rs. 10.00	Rs. 10.00
13	High end data base server including softwares + internet connection for cloud access, Hand Augurs, Handheld GPS (High Resolution), Desktop Computers	Bharathidasan University, Tiruchirappalli	Rs. 15.00	Rs. 15.00
	Total		Rs. 49.350	Rs. 49.350



Proposal-1**Recurring Items (General) (PI : Prof. Manoharan, AMET University, Chennai)**

Sl.No	Budget Head	1 st Year	2 nd Year	3 rd year	Total
1.	Project Staff				
	(a) JRF-3* @ Rs. 25,000/- +30% HRA for the first two years and @ Rs. 28,000/- + 30% HRA for the 3 rd year as SRF	11.70	11.70	13.104	36.504
2.	Field Travel	1.50	1.50	1.50	4.50
3.	Data processing, noise corrections and geo-tagging	10.00	5.00	5.00	20.00
4.	Contingency	1.50	1.50	1.00	4.00
5.	Consumables	2.00	1.00	1.00	4.00
	Total	26.7	20.7	21.604	69.004
6.	Overheads	2.67	2.07	2.16	6.90
	Grand Total in Rs Lakhs	29.37	22.77	23.764	75.904

Recurring Items (General) (PI : Dr. Rajashekar, NIOT - Bangalore)

Sl.No	Item	1 st Year	2 nd Year	3 rd year	Total
1.	Under water Data Acquisition (0 to 70 Metres) Hiring charges for Ships / Boats, ROVs Hiring of Sub Bottom Profiler and Multi Beam Echo Sounder Equipment includes PCs, Software, Data Logger and Data base media	70.00	44.00	21.00	135.00
	Total	70.00	44.00	21.00	135.00
2.	Overheads	2.00	2.00	1.00	5.00
3.	Grand Total in Rs Lakhs	72.00	46.00	22.00	140.00

Proposal-2**Recurring Items (General) (PI: Dr. B Sridevi, Velammal College of Engineering, Madurai)**

Sl.No	Budget Head	1 st Year	2 nd Year	3 rd year	Total
1.	Project Staff				
	(a) JRF-2 @ Rs. 25,000/- +20% HRA for the first two years and @ Rs. 28,000/- + 20% HRA for the 3 rd year as SRF	7.20	7.20	8.064	22.464
2.	Field Travel	1.00	1.00	0.50	2.50
3.	Contingency	0.50	0.50	0.50	1.50
4.	Consumables	0.50	0.50	0.50	1.50
5.	Total	9.20	9.20	9.564	27.964
	Overheads	0.92	0.92	0.956	2.796
6.	Grand Total in Rs Lakhs	10.12	10.12	10.52	30.76

Proposal-3**Recurring Items (General) (PI: Prof. M. Praveena, Ranganathan College of Engineering, Coimbatore)**

Sl.No	Budget Head	1 st Year	2 nd Year	3 rd year	Total
1.	Project Staff				
	(a) JRF-1 @ Rs. 25,000/- +20% HRA for the first two years and @ Rs. 28,000/- + 20% HRA for the 3 rd year as SRF	3.60	3.60	4.032	11.232
2.	Field Travel	1.00	0.50	0.50	2.00
3.	Contingency	0.50	0.50	0.50	1.50
4.	Consumables	1.00	1.00	1.00	3.00
5.	Total	6.10	5.60	6.032	17.732
	Overheads	0.61	0.56	0.603	1.773
6.	Grand Total in Rs Lakhs	6.71	6.16	6.635	19.505

R/Sharma

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Recurring Items (General) (PI: Dr. Judi Nair, CUSAT, Cochin, Kerala)

Sl.No	Budget Head	1 st Year	2 nd Year	3 rd year	Total
1.	Project Staff				
	(a) JRF-1 @ Rs. 25,000/- +20% HRA for the first two years and @ Rs. 28,000/- + 20% HRA for the 3 rd year as SRF	3.60	3.60	4.032	11.232
2.	Field Travel	2.00	1.00	1.00	4.00
3.	Contingency	1.00	1.00	1.00	3.00
4.	Consumables	1.50	1.500	1.500	4.50
5.	Total	8.100	7.10	7.532	22.732
	<u>Overheads</u>	0.81	0.71	0.753	2.273
6.	Grand Total in Rs Lakhs	8.91	7.81	8.285	25.005

Proposal-4**Recurring Items (General) (PI: Dr. Uma Mudenagudi, KLE Technological University, Hubballi)**

Sl.No	Item	1 st Year	2 nd Year	3 rd year	Total
1.	MANPOWER				
	JRF-2 @ Rs. 25,000/- +20% HRA for the first two years and @ Rs. 28,000/- + 20% HRA for the 3 rd year as SRF	7.20	7.20	8.064	22.464
2.	Field Travel/Conference registration	2.00	2.00	0.50	4.50
3.	Contingency, Consumables & Miscellaneous	1.00	1.00	1.00	3.00
4.	Capacity Building + Training	4.00	4.00	4.00	12.00
	Total	14.2	14.2	13.564	41.964
5.	<u>Overheads</u>	2.92	1.42	1.356	5.696
	Grand Total	17.12	15.62	14.92	47.66

Proposal-5**Recurring Items (General) (PI: Prof. Neelakantan, Tamil University, Thanjavur)**

Sl.No	Item	1 st Year	2 nd Year	3 rd year	Total
1.	MANPOWER				
	JRF-2 @ Rs. 25,000/- +10% HRA for the first two years and @ Rs. 28,000/- + 10% HRA for the 3 rd year as SRF	6.60	6.60	7.392	20.592
2.	Travel	1.50	1.50	1.50	4.50
3.	Consumables	2.00	1.00	2.00	5.00
4.	Contingency	2.00	2.00	1.00	5.00
5.	Miscellaneous	0.25	0.25	0.25	0.75
	Total	12.35	11.35	12.142	35.842
6.	<u>Overheads</u>	1.335	1.135	1.214	3.684
	Grand Total	13.685	12.485	13.356	39.526

Proposal-6**Recurring Items (General) (PI: Dr. J Saravanavel, Bharathidasan University, Tiruchirappalli)**

Sl.No	Item	1 st Year	2 nd Year	3 rd year	Total
1.	MANPOWER				
	JRF-2 @ Rs. 25,000/- +20% HRA for the first two years and @ Rs. 28,000/- + 20% HRA for the 3 rd year as SRF	7.20	7.20	8.064	22.464
2.	Domestic Travel (Field survey expenses, project operating cost, TA/DA, etc.)	1.50	1.50	1.50	4.50
3.	Consumables	2.00	2.00	2.00	6.00
4.	Contingencies and Field vehicles maintenance	2.00	2.00	2.00	6.00
	Total	12.7	12.7	13.564	38.964
5.	<u>Overheads</u>	1.57	1.27	1.356	4.196
	Grand Total	14.27	13.97	14.92	43.16

R. Sharm

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Proposal-7**Recurring Items (General) (PI: Dr. M. Muthukumar, Gandhigram Rural Institute, Dindigal, Tamil Nadu)**

Sl.No	Item	1 st Year	2 nd Year	3 rd year	Total
1.	MANPOWER				
	JRF-2 @ Rs. 25,000/- +10% HRA for the first two years and @ Rs. 28,000/- + 10% HRA for the 3 rd year as SRF	6.60	6.60	7.39	20.59
2.	Travel / Field Work including data collection & attending meetings	1.50	1.50	1.50	4.50
3.	Consumables	0.50	0.50	0.50	1.50
4.	Contingencies	0.50	0.50	0.50	1.50
	Total	9.10	9.10	9.89	28.09
6.	Overheads	1.31	0.91	0.989	3.209
	Grand Total	10.41	10.01	10.879	31.299

Proposal-8**Recurring Items (General) (PI : Dr. R. Selvakumar, SASTRA University, Thanjavur, Tamil Nadu)**

Sl.No	Item	1 st Year	2 nd Year	3 rd year	Total
1.	MANPOWER				
	JRF-2 @ Rs. 25,000/- +10% HRA for the first two years and @ Rs. 28,000/- + 10% HRA for the 3 rd year as SRF	6.60	6.60	7.39	20.59
2.	Travel (including taxi hiring charges, boat hiring charges and attending meetings)	1.50	1.50	1.50	4.50
3.	Consumables	1.00	0.50	0.50	2.00
4.	Contingencies	0.50	0.50	0.50	1.50
	Total	9.60	9.10	9.89	28.59
5.	Overheads	0.96	0.91	0.989	2.859
	Grand Total	10.56	10.01	10.879	31.449

Proposal-9**Recurring Items (General) (PI: Dr. S. Vasudevan, Annamalai University, Annamalai Nagar, Tamil Nadu)**

Sl.No	Item	1 st Year	2 nd Year	3 rd year	Total
1.	MANPOWER				
	JRF-2 @ Rs. 25,000/- +10% HRA for the first two years and @ Rs. 28,000/- + 10% HRA for the 3 rd year as SRF	6.60	6.60	7.39	20.59
2.	Travel	1.00	0.50	0.50	2.00
3.	Consumables	2.00	1.00	1.00	4.00
4.	Contingencies	1.00	1.00	1.50	3.50
5.	Miscellaneous (Outsourcing)	5.00	5.00	0	10.00
	Total	15.6	14.1	10.39	40.09
6.	Overheads	1.635	1.41	1.039	4.084
	Grand Total	17.235	15.51	11.429	44.174

R. S. Sharma

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Proposal-10

Recurring Items (General) (PI: Dr. T Ramakumar, Annamalai University, Annamalai Nagar, Tamil Nadu)

Sl.No	Item	1 st Year	2 nd Year	3 rd year	Total
1.	MANPOWER				
	JRF-2 @ Rs. 25,000/- +10% HRA for the first two years and @ Rs. 28,000/- + 10% HRA for the 3 rd year as SRF	6.60	6.60	7.39	20.59
2.	Travel	1.00	0.50	0.50	2.00
3.	Consumables	1.50	1.00	1.50	4.00
4.	Contingencies	1.50	1.50	1.50	4.50
5.	Miscellaneous (Outsourcing)	5.00	5.00	0	10.00
	Total	15.6	14.60	10.89	41.09
6.	Overheads	1.62	1.46	1.089	4.169
	Grand Total	17.22	16.06	11.979	45.259

Proposal-11

Recurring Items (General) (PI: Dr. T. Devi, Bharathiar University, Coimbatore)

Sl.No	Item	1 st Year	2 nd Year	3 rd year	Total
1.	MANPOWER				
	JRF-2 @ Rs. 25,000/- +20% HRA for the first two years and @ Rs. 28,000/- + 20% HRA for the 3 rd year as SRF	7.20	7.20	8.064	22.464
2.	Domestic Travel	1.50	1.50	1.50	4.50
3.	Utility and Maintenance	0.50	1.50	2.00	4.00
4.	Consultant Fee & Training	2.00	2.00	1.00	5.00
5.	Workshops & Seminars	1.00	1.00	1.00	3.00
6.	Contingency	1.00	1.00	1.00	3.00
7.	Miscellaneous	1.00	1.00	1.00	3.00
	Total	14.2	15.2	15.564	44.964
6.	Overheads	2.42	1.52	1.5564	5.4964
	Grand Total	16.62	16.72	17.120	50.460

Proposal-12

Recurring Items (General) (PI: Prof. SM Ramasamy, Bharathidasan University, Tiruchirappalli- 623 021, Tamil Nadu)(National Co-ordination project)

Sl.No	Item	1 st Year	2 nd Year	3 rd year	Total
1.	MANPOWER				
	National Coordinator @ Rs. 75,000/- p.m.	9.00	9.00	9.00	27.00
	Technical Expert @ Rs. 50,000/- p.m.	6.00	6.00	6.00	18.00
	JRF-2 @ Rs. 25,000/- +10% HRA for the first two years and @ Rs. 28,000/- + 10% HRA for the 3 rd year as SRF	6.60	6.60	7.39	20.59
2.	Domestic Travel	2.00	1.00	1.00	4.00
3.	Consumables/Contingency	1.00	0.50	0.50	2.00
4.	Group Coordination meeting (6 meetings)	5.00	5.00	5.00	15.00
5.	National Workshops & Seminars	5.00	3.00	2.00	10.00
	Total	34.60	31.10	30.89	96.59
6.	Overheads	3.46	3.11	3.089	9.659
	Grand Total	38.06	34.21	33.979	106.249

R. S. Ramya

Proposal-13

Recurring Items (General) (PI: Prof. SM Ramasamy, Bharathidasan University, Tiruchirappalli- 623 021, Tamil Nadu)(Centralized Facility)

Sl.No	Item	1 st Year	2 nd Year	3 rd year	Total
1	Drilling of boreholes in the submerged Poompohar along old courses of rivers, beach ridges, palaeo floods, submerged deltas, river / creek mouths , along coastal zones in three N-S transects.	10.00	10.00	5.00	25.00
2	Expenditures towards sample preparation for 14C/OSL/TL/ dating	5.00	5.00	5.00	15.00
3	Satellite data from NRSC	5.00	3.00	2.00	10.00
4	Sample Analysis	5.00	5.00	3.00	13.00
	Total	25.00	23.00	15.00	63.00
5	<u>Overheads</u>	4.00	2.30	1.50	7.80
	Grand Total	29.00	25.30	16.50	70.80

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 and 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 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 organizations 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 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”.***

8. ***“Grantee Institutes 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 GRF 2017), shall not be disposed of without obtaining the prior approval of DST.
10. In case the scheme provides for payment of honorarium/remuneration/fellowships/scholarship to the PI, a para may suitably be incorporated in the DST 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 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 overhead expenses are meant for the host Institute towards the cost for providing infrastructural facilities and benefits to the staff employed in the project etc.
15. 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)(ICPS)

16. The amount of Rs. **130.00 Lakhs (Rupees One Crore Thirty Lakh only)** will be drawn by the Drawing and Disbursing Officer, DST and will be disbursed to beneficiaries as per 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	AMET University	113501601000228	CORPORATION BANK	CORP0001135	600017033	500000	500000
2	NIOT Bangalore Chennai	2874101001707	Canara Bank	CNRB0002874	600015094	500000	500000
3	Velammal College of Engineering	6100077363	INDIAN BANK	IDIB000A076	600019138	1000000	1000000
4	RCE Coimbatore	28760200000417	Bank of Baroda	BARB0CMRABS	641012007	500000	500000
5	CUSAT-Cochin	856910100005847	BANK OF INDIA	BKID0008569	682013007	500000	500000
6	KLE Technological University	12442010009267	Syndicate Bank	SYNB0001244	580025011	1000000	1000000
7	Tamil University	814510110000001	Bank of India	BKID0008145	613013007	1000000	1000000
8	Bharathidasan University, Trichy	10375402165	State Bank of India	SBIN0007014	620002003	1000000	1000000
9	Gandhigram Rural Institute	8500101013227	Canara Bank	CNRB0008500	620015024	1000000	1000000
10	SASTRA University	500101011008235	CITY UNION BANK LTD	CIUB0000528	-	1000000	1000000
11	Annamalai University	621201159610	ICICI Bank Ltd	ICIC0006212	608229009	1000000	1000000
12	Annamalai University	621201159610	ICICI Bank Ltd	ICIC0006212	608229009	1000000	1000000
13	Bharathiar University-Coimbatore	822610110002100	Bank of India	BKID0008226	641013011	1000000	1000000
14	Bharathidasan University, Trichy	10375402165	State Bank of India	SBIN0007014	620002003	1000000	1000000

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15	Bharathidasan University, Trichy	10375402165	State Bank of India	SBIN0007014	620002003	1000000	1000000
	TOTAL					13000000	13000000

17. As per Rule 234 of GFR 2017, this sanction has been entered at Sl.No. **100** in the register of grants maintained in the Division for the scheme (Innovation, Technology Development and Deployment).

18. This issues with the concurrence of IFD vide their Concurrence Dy. No. C/5862/IFD/2018-19 dated 13.03.2019.


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.


(Dr. Rajeev Sharma)
Scientist E

The Pay & Accounts Officer
Department of Science & Technology
New Delhi -110 016.

Copy for information and necessary action:

1. Cash Section (3 copies) for preparing the bill and remitting the amount to the above grantee.
2. Accounts Section, DST, New Delhi.
3. IFD, DST, New Delhi.
4. Director of audit (CW&M-II) AGCR Building, IP Estate, New Delhi.
5. The Registrar, Bharathidasan University, Tiruchirappalli- 623 021, Tamil Nadu.
6. Prof. S.M. Ramasamy, Professor of Eminence, Department of Remote sensing, Bharathidasan University, Tiruchirappalli- 623 021, Tamil Nadu.
7. Prof N Manoharan, Academy of Marine Education & Training (AMET) University, Plot No. 135, East Coast Road, Kanathur, Chennai- 603 112, Tamil Nadu.
8. Dr Rajasekhar, National Institute of Ocean Technology (NIOT), Velacherry-Tambaram Main Road, Narayanapuram, Pallikaranai, Chennai-600 100, Tamil Nadu.
9. Dr B Sridevi, Velammal College of Engineering, Madurai to Rameshwaram High Road, Viraganoor, Madurai-625 009, Tamil Nadu.
10. Dr.M. Praveena, Ranganathan Engineering College, REC Kalvi Nagar, Thondamuthur, Coimbatore-641 109, Tamil Nadu.
11. Dr.M.V. Judy, Associate Professor, Department of Computer Applications, Cochin University of Science & Technology (CUSAT), South Kalamassery, Kochi- 682 022, Kerala.
12. Dr. Uma Mudenagudi, KLE Technological University, B.V. Bhoomaraddi Campus, Vidyanagar, Hubli- 580 031, Karnataka.
13. Dr. R. Neelakantan, Tamil University, Thanjavur-613 010, Tamil Nadu.
14. Dr. J. Saravanavel, Assistant Professor, Bharathidasan University, Palkalaiperur, Tiruchirappalli-620 024, Tamil Nadu.
15. Dr. M. Muthukumar, Gandhigram Rural Institute, Gandhigram, Dindigul Distt., Chinnalapatti-624 302, Tamil Nadu.
16. Dr. R. Selvakumar, Shanmuga Arts, Science, Technology & Research Academy (SASTRA) University, Trichy-Tanjore Road, Thirumalaisamudram, Thanjavur-613 401, Tamil Nadu.
17. Dr. S. Vasudevan, Dept. of Earth Sciences, Annamalai University, Annamalai Nagar, Chidambaram-608 002, Tamil Nadu.
18. Dr. T. Ramkumar, Annamalai University, Annamalai Nagar, Chidambaram-608 002, Tamil Nadu.
19. Dr. T. Devi, Bharathiar University, Coimbatore-641 046, Tamil Nadu.
20. Head, ICPS, DST.
21. Sanction folder.


(Dr. Rajeev Sharma)
Scientist E

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 : tific@nda.vsnl.net.in





Karnataka Science and Technology Promotion Society
 Dept. of Information Technology, Bio Technology and Science & Technology, GoK
 "Vijnana Bhavan", 3rd Floor, #24/2, 21st Main Road, Banashankari 2nd Stage, Bangalore-70
 Ph/fax : 080-26711166, E-mail : ksteps.dst@gmail.com

Dr. H. Honne Gowda
 Special Director (Technical),
 Dept. of IT, BT and S&T/Managing director, KSTePS

No. KSTePS/VGST/GRD-657/K-FIST(L2)/2018

Date: 27.08.2018

Dear Sir/Madam,

Sub: Intimation of selection of KFIST Level (2) project under the VGST scheme-- reg.

Greetings from KSTePS, Dept. of Information Technology, Biotechnology and Science and Technology!!

We are pleased to inform you that the project titled **"To Develop Smart Water Management System using IOT that regulates water in the campus"** submitted under the VGST scheme of KFIST Level (2) for the Financial Year 2017-18 has been approved by the Government based on the recommendations of Vision Group on Science and Technology under the Chairmanship of Prof. CNR Rao, Honorary President, JNCASR.

The total project grant award for a period of 2 years is Rs. 40.00 lakhs, which will be released annually @ Rs. 20.00 lakhs based on the progress of work. You are requested to take an immediate action to initiate the project at the earliest and to be completed within 2 years after receiving the cheque of 1st instalment from our office.

The grant will be paid to the Head of the Institution, under whose supervision the Principal Investigator shall be responsible for completion of the stated objectives of the project. The Principal Investigator through the Institution Head shall have to submit the progress report in soft copy (word & pdf) once in 6 months without any fail. The grants shall be used only for the purposes described in the grant application by following due procedures of KTPP Act. Any deviation from the scheduled plan must have a prior approval from the VGST.

Please provide the cheque in favour address of your institution, for releasing the sanctioned grants.

UNIVERSITY OF AGRICULTURAL SCIENCES, DHARWAD

8

No. DR-SRP/T-4/4.1/55/2018-19 | 1263-B

Directorate of Research
Krishinagar, Dharwad- 580 005
Date : 04-06-2018

ORDER

Sub :Sanction and Allocation of budget for Staff Research Project for 2018-19- reg.

Ref : 1. SRP Review Meeting held from 03-04, April 2018

2. Approval of the Hon'ble Vice-Chancellor, UAS, Dharwad dated : 21.05.2018

Allocation of budget has been made for the financial year 2018-19 for Staff Research Project under Ab.A/c. No. as detailed below.

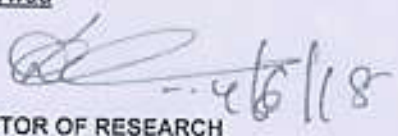
DR. No.	Project Title	PI	Co-PI	Duration (Yrs)	Particulars	DAC	Amount (Rs. in lakhs)
55	Development of membranes for ethanol purification	Dr. Ashwini M	Dr. Ashok M Sajjan, Dr. N R Banapurmath	1	TA	121	0.00
					ORC	300	1.00
					POL	301	0.00
					CS*	310	0.00
					NRC	700	5.00
Head of Acct. : 3814				Total Rs.		6.00	

* Student Fellowship

The Scientist is informed to conduct the research as per the proposal and submit the consolidated progress report regularly. The Financial Sanction may be obtained from the concerned officers as per the delegation of financial powers vide order No. C/S-IV/FS/181-A /2018-19 dated 21-04-2018 with a copy of the same to the undersigned. The PI is informed to approach the Registrar, UAS, Dharwad for engaging student fellowship.

The Principal Investigator of concerned Research Project is hereby informed to book the expenditure at an earliest.

The Drawing Officer for the Project is Sr. Farm Superintendent, MARS, Dharwad


DIRECTOR OF RESEARCH

To
Dr. Ashwini M
Junior Microbiologist, AICRP on
EAAI (Bioconversion Technology),
MARS, UAS, Dharwad

CWC To Comptroller, UAS, Dharwad / Assistant Comptroller, AC, Dharwad / Vijayapur / Hanumanamatti / CCS, Dharwad / COF, Sirsi / MARS, Dharwad / concerned - for information
The Personal Secretary to Vice-Chancellor, UAS., Dharwad

3.1.6

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

2017- 18



Dr. H. Honne Gowda
Special Director (Technical),
Dept. of IT, BT and S&T/
Managing Director, KSTePS

(1)

No. KSTePS/VGST-KFIST (L2)/2017/269

Date: 21.11.2017

Dear Sir,

Sub.: Intimation of selection of the project under the VGST scheme of KFIST
Level (2) – reg.

**Greetings from the Dept. of Information Technology, Biotechnology and
Science & Technology!!**

We are pleased to inform you that the project titled "**Development of Novel Nano-composite hybrid polymer membranes for pervaporation separation of water from industrial waste organic solvents**" submitted under the VGST scheme of KFIST Level (2) for the financial year 2016-'17 has been approved by the Government based on the recommendations of Vision Group on Science and Technology under the Chairmanship of Prof. CNR Rao, Honorary President, JNCASR.

The total project grant award for a period of 2 years is Rs. 40.00 lakhs, which will be released annually @ Rs. 20.00 lakhs based on the progress of work. Your requested to take an immediate action to initiate the project at the earliest and to be completed within 2 years after receiving the cheque of 1st installment from our office.

The grant will be paid to the Head of the Institution, under whose supervision the Principal Investigator shall be responsible for completion of the stated objectives of the project. The Principal Investigator through the Institution Head shall have to submit the progress report in soft copy (word & pdf) once in 6 months without any fail. The grants shall be used only for the purposes described in the grant application by following due procedures of KTPP Act. Any deviation from the scheduled plan must have a prior approval from the VGST. A sample copy of the Utilization Certificate is enclosed for information and necessary action in the future.

Future releases of grants will be based on satisfactory project performance. The funding agency has the right to terminate the project, if it is found to be not

A. M. Sajjan
K. M. M. D. K.

satisfactorily pursuing and fulfilling the stated project goals and objectives. Any unspent balance must be returned back to the funding agency within 60 days following the conclusion of the project. Any publications or other dissemination arising from research supported by VGST grants should be acknowledged.

Dr. S. G. Sreekanteswara Swamy, Consultant, VGST will be the nodal officer for all future correspondences related to the project. His contact details are given below:

Vision Group on Science and Technology

Dept. of IT, BT and S&T, Karnataka Government Secretariat,
Room No. 702, 7th Floor, 4th Gate,
M.S. Building, Dr. Ambedkar Veedhi,
Bangalore – 560001.

Phone : 080-2203 2013

Email : visiongroup.st@gmail.com

Website : www.vgst.in

I want to personally thank you for being selected as one of the VGST program members and we wish you and the Principal Investigator a great success in the implementation of the project.

Thanking you

Yours sincerely,


(H. Hoñne Gowda)

To,
The Principal
B V B College of Engineering and Technology
Vidyanagar
Hubballi – 580031.

cc:

Dr. Ashok M Sajjan, Program Coordinator, Dept. of Chemistry/ Center of Material Science, B V B College of Engineering and Technology, Vidyanagar,

3

Grand Challenges - Karnataka
Due Diligence Form Company Applicant

Application details		
Name of the Applicant:	Dr. V.B Nargund	
Proposal Reference No.:	161130102055_UASD_Plant_Disease_Early_Detection.pdf dated 30/11/2016	
Title of the Proposal:	SMART SYSTEM FOR EARLY DETECTION OF PLANT DISEASES AND PEST INFESTATION	
Date of Site Visit:	--	
Names of Members conducting the site visit/due diligence :		
Financial Due Diligence		
Applicant Type:	University	
Address of the Company:	University of Agricultural Sciences, Dharwad DHARWAD - 580 005 Karnataka State, India Phone : 0091-836-2214420 FAX : 0091-836-2745276	KLE Technological University B. V. Bhoomaraddi Campus, Vidyanagar, Hubli - 580 031, Karnataka State - INDIA. Fax : +91 - 836 - 2374985
Year of Establishment of the Company:	The Universities established under section 3 of the Karnataka Universities of Agricultural Sciences Act, 1963, (Karnataka Act 22 of 1963) Established in the Year: October 1, 1986	Karnataka State Legislature 'KLE Technological University, Act 2012'. Commenced from the academic year 2015-16. (Formerly - B. V. Bhoomaraddi College of Engineering and Technology, Hubli - Established in 1947)
Number of Years since Registration:	University - 29 Years College - 66 63 Years	69 Years 67
Registration Number of the Company	--- Not Applicable ---	--- Not Applicable ---
Share holding Pattern(<i>shares to the extent of 51% held by Indians or Indian Company</i>)	--- Not Applicable ---	
List of loan availed and the security offered for the loan:	--- Not Applicable ---	
Status of repayment of each of the loan:	--- Not Applicable ---	

new by



Any funding availed in the past from DST / DBT / TDB / GITA/ DSIR status of the project / repayment if applicable:	--- Not Applicable ---	
Sources of funds for owner contribution if applicable:	--- Not Applicable ---	
Banking Details: No Lien Account		
Operating Bank Account No.	10025445154	
Bank Branch Address	State Bank Of India, U A S Campus Dharward, Karnataka	
IFSC	SBIN0003151	
PAN	AAAJU0219P	
Comments on the Financial status of the Company (keeping in view the following points)		
<ul style="list-style-type: none"> ▪ Turnover of the company--- NA --- ▪ Capital of the Company - --- NA --- ▪ Financial position of the company including important ratios, servicing of debts - --- NA --- ▪ Review of annual accounts and auditors' report. Any significant points impacting company's financial situation --- NA --- ▪ Any legal issues pending as reflected in the annual report/ annual accounts, which will have adverse impact on company's status. - --- NA --- ▪ Status of assets mortgaged/hypothecated --- NA --- ▪ Any other Liability --- NA --- 		
Infrastructure		
Does the company have a Laboratory of its own?	Yes	Yes
Is the Infrastructure and equipments available with the company adequate for the proposed work?	Yes	Yes
If No, is the Company incubated in an Incubator:	--- Not Applicable ---	--- Not Applicable ---
Name of the Incubator:	--- Not Applicable ---	
Legal Status of the Incubator:	--- Not Applicable ---	
MoU with the Incubator:	--- Not Applicable ---	
If the Incubator does not have a separate legal status, is it associated with any Institute?	--- Not Applicable ---	

Give Details Approval of the council/board available.																				
Budget																				
Total Budget Requirement:	<i>Rs. 9.95 Lakhs</i> <i>(Rupees Nine Lakhs Ninety Five Thousand only)</i>																			
Requested Budget Break up	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 60%;">Heads</th> <th style="width: 40%;">INR (in Lakhs)</th> </tr> </thead> <tbody> <tr><td>Equipment</td><td style="text-align: center;">--</td></tr> <tr><td>Manpower</td><td style="text-align: center;">4.80</td></tr> <tr><td>Consumables</td><td style="text-align: center;">0.99</td></tr> <tr><td>Rentals/others</td><td style="text-align: center;">0.60</td></tr> <tr><td>IP</td><td></td></tr> <tr><td>Travel</td><td style="text-align: center;">0.25</td></tr> <tr><td>Outsourcing</td><td style="text-align: center;">2.56</td></tr> <tr><td>Contingency</td><td style="text-align: center;">0.75</td></tr> </tbody> </table>		Heads	INR (in Lakhs)	Equipment	--	Manpower	4.80	Consumables	0.99	Rentals/others	0.60	IP		Travel	0.25	Outsourcing	2.56	Contingency	0.75
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Justification for each item in the Budget	Eqpt. and Prototype Components- Manpower- Remuneration for Software Developer, Technical, Research Scholars / Associates & Skilled Assistants/ Helpers Consumables- Crop Cultivation cost & Internet Services Rentals – Cloud Server Rentals, Patent Filing/IP – covered in miscellaneous Consultancy – Outsourcing – Hardware Design & Development Contingency - Miscellaneous items and expenditure																			

Travel/Misc – Field, Industry / Institute / Research Labs / Conference Visits

Technical

Proposal Objectives, Work Plan with Time lines

Activities	Month Of Start Of Activity	Month Of End Of Activity	Indicators Of Progress
Insect Research	01	03	Biology of sucking insect pest (Murda Complex) defoliators of Chilli and building data repository.
Pathogen Research	01	03	Biology and management studies of pathogens and building data repository.
Hardware Design & Development	01	03	WSN Modules
Software Development	01	05	Disease Pest Management Decision Making System, Data Analytics Module
Field Trials	04	06	Test Results and correlation with symptoms
Demonstration	05	06	Validation of system

Monitoring Activities (for fund release)

Milestone	Month of end of Activity	Description
Insect Research	3rd Month	Biology of sucking insect pest (Murda Complex) defoliators of Chilli and building data repository.
Pathogen Research	3rd Month	Biology and management studies of pathogens and building data repository.
Hardware Design & Development	3rd Month	WSN Modules
Software Development	5th Month	Disease Pest Management Decision Making System, Data Analytics Module
Field Trials	6th Month	Test Results and correlation with symptoms
Demonstration	6th Month	Validation of system

Is any IP License required to carry out the proposed work: No


Any Regulatory, Environmental or Other Clearance required? NO

Mentoring Requirement of the Applicant:


--- No ---

Human Resource to be involved with the project			
Name	Qualification	Role in Project	Position
Dr. V.B Nargund	M.Sc. Agri, Ph.D	PI & Plant Pathologist	Professor, UAS,Dharwad
Dr. R. R Patil	M.Sc. Agri, Ph.D	Agricultural Entomology	Professor & University Head, ADR, UAS,Dharwad
Dr. R.V.Hegde	M.Sc. Agri, Ph.D	Horticulture	Professor, UAS,Dharwad
Prof. B.L Desai	M.Tech	Advisor	Registrar, KLE Tech, Hubballi
Dr. P.R Patil	M.E(C.Sc). Ph.D	PI & Software Architect	Professor and Head, KLE Tech, Hubballi
Dr. S.G. Totad	M.E(C.Sc). Ph.D	Data Scientist	Professor, KLE Tech, Hubballi
Dr. Karibasappa K.G	M.Tech(C.Sc). Ph.D	Image Analyst	Assoc. Professor, KLE Tech, Hubballi
List of Enclosures:(List only submitted enclosures)			
<ul style="list-style-type: none"> Memorandum and Article of Association 			
Final Remark by IKP: Recommended/ Not Recommended			

Signature(s):

Name(s): 
Dr. V.B Nargund
UAS,Dharwad

Date: 07/03/2017
09


Dr. P.R Patil
KLE Tech, Hubballi

Professor and Head
Department of Master of Computer Applications
B.V.B. College of Engg. & Tech.,
HUBLI 580 031.

PLEASE NOTE THAT THIS FORMAT IS ONLY INDICATIVE OF THE POTENTIAL EXPENSE HEADS YOU MAY INCUR
 THE MONTHS FOR MONEY DISBURSEMENT AND DURATION OF YOUR MILESTONES WILL DEPEND ON YOUR PROJECT

Expense Heads / Month	1	2	3	4	5	6	Total
Capital Expenses	0.560	2.000					2.560
Rentals	0.100	0.100	0.100	0.100	0.100	0.100	0.600
Consumables	0.165	0.165	0.165	0.165	0.165	0.165	0.990
Salaries	0.800	0.800	0.800	0.800	0.800	0.800	4.800
IP / Legal Expenses	--	--	--	--	--	--	--
Travel	0.020	0.025	0.025	0.060	0.060	0.060	0.250
Miscellaneous	0.125	0.125	0.125	0.125	0.125	0.125	0.750
Total	1.770	3.215	1.215	1.250	1.250	1.250	9.950

Fwd: Invitation for release of Tranche 1 for Grand Challenges

Inbox x

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

From: **Vineet /IKP/BLR** <vineet@ikpknowledgepark.com>

Date: Wed, Apr 12, 2017 at 10:58 AM

Subject: Invitation for release of Tranche 1 for Grand Challenges

To: Taranjeet Bhamra <taranjeet@outlook.com>, Varun Sridharan

<varun@greenenvironmentindia.com>, biswajit@agribasket.com, amiya@phoenixrobotix.com, omkar@aero.iisc.ernet.in, Anitha Peter <apchykr@yahoo.co.in>, Lab4life Bio

Research <info@lab4lifebioresearch.com>, vijayendra nargund

<nargund56@gmail.com>

Cc: Prathiba Gangoji Rao <sfckbits@gmail.com>, Raksha R

<raksha@ikpknowledgepark.com>, CHATTOPADHYAY DEEPANWITA /IKP /HYD

<deepanwita@ikpknowledgepark.com>, VIKRAMAN /IKP/HYD

<vikraman@ikpknowledgepark.com>, utkarsh kumar Gupta /IKP/BLR

<deepa@ikpknowledgepark.com>

Dear All,

We will be having a function to release the first tranche of payments to you tomorrow April 13, 2017. KBITS is planning a function around the same where the Chief Minister and IT, BT Minister are supposed to give you the award.

We will give you the exact time and location soon as presently the time and location is not confirmed.

Please make yourself available in Bangalore for the event.

Regards,

Vineet

--
Dr. V.B. NARGUND

Professor,

Department of Plant Pathology,

College of Agriculture, Dharwad

University of Agricultural Sciences, Dharwad, Karnataka, India

nargund56@gmail.com

+919448797254(M)

Dear All,

We will be having a function to release the first tranche of payments to you tomorrow April 19, 2017. KBITS is planning a function around the same where the Chief Minister and IT, BT Minister are supposed to give you the award.

Time: 9:40 AM

Location: CM Residence, Next to Lalit Ashok Hotel, Opposite to Golf Club

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Regards,

Vineet

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College of Agriculture, Dharwad
University of Agricultural Sciences, Dharwad, Karnataka, India
nargund56@gmail.com
+919448797254(M)



vijayendra
nargund <nargund56@gmail.com>
to Vineet, me

Apr 18

Dear Sir,


Thank you very much for inviting me to the function to receive the award. Since pre-occupied work I am unable to attend personally.

In place of that Co. PI Prof. Prakash Patil from BVB KLE TECH HUBBALLI will attend. Thank your co-operation.

Prof. Patil's Mobile Number is : 9448821697

With regards

Yours sincerely

 [Click here to Reply, Reply to all, or Forward](#)

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