

3.1.1. The institution Research facilities are frequently updated and there is well defined policy for promotion of research which is uploaded on the institutional website and implemented

File Description (Upload)

a) Budgetary Provisions for updating of research facilities

- [Utilized Research funding from the University.](#)

b) External research funding

- [Documents for award of external grants](#)

c) Research Policy

- [Research Policy Document as approved by BOG](#)
- [Extract of Research Council resolution for Research Policy](#) - Objectives of Research Council in line with statute and Research Policy of KLE Technological University.



KLE Technological
University

Creating Value
Leveraging Knowledge

Earlier known as

B.V.B. College of Engineering & Technology

The research expenditure made by the University to ensure updating of existing facilities, establishing of new research labs, and internal funding for research initiatives

Research expenses in L		2017-18	2018-19	2019-20	2020-21 (provisional)
Capital expenditure	KLETech	100.63	195.50	78.19	113.61
	TEQIP	102.54	110.9	59.15	36.67
Revenue expenditure	KLETech	68.37	73.68	135.66	97.57
	TEQIP	20.57	41.59	88.89	17.07
Total	KLETech	169.00	269.18	213.85	211.18
	TEQIP	123.11	152.49	148.04	53.74
Grand Total		292.11	421.67	361.89	264.92

Registrar

REGISTRAR
KLE Technological University
HUBBALLI-580 031

Finance Officer

FINANCE OFFICER
KLE TECHNOLOGICAL UNIVERSITY
HUBBALLI-580 031.



External Grant summary and list

Year	External Research Grant (Lakhs)
2015-16	34.32
2016-17	228.76
2017-18	66.50
2018-19	165.00
2019-20	149.15
Total	643.73

External grants received during 2019-20

SN	Name of the Scheme/Project/ Endowments/ Chairs	Name of the Principal Investigator/ Co Investigator (if applicable)	Name of the Funding agency	Type (Government/Non-Government)	Department	Year of Award	Funds provided (INR in lakhs)	Duration of the project	Link
1.	Enhancing learning through Virtual Reality	Dr.B B Kotturshettar , Mr. Vinay Tigadi	Dassault System	Non Government	SME	2019-20	10	3 years	E – copy of external grants
2.	Automatic Storage and Retrieval System	Dr. Sachin Karadagi	Dassault System	Non Government	ARE	2019-20	8.5	3 years	
3.	Humanoid Robot	Prof. A C Giryapur	Dassault System	Non Government	ARE	2019-20	8.5	3 years	
4.	Nutritional Profile and Metagenomics Insights of Microbial Diversity of Nuchhu Ambli- a millet-based traditional Fermented Food of North Karnataka.	Dr.S V Desai	VGST - K-FIST- Level 1.	Government	BT	2019-20	15	2 years	

5.	Building awareness on IPR for MSME -IPEC	Dr Ravi Guttal Mr. Vinay Tigadi	MSME	Government	SME	2019-20	76.89	3 years	
6.	MODROB – MODROB in Fluid Dynamics Laboratory	Dr. Prakash Tewari	AICTE	Government	SME	2019-20	11.20361	2 years	
7.	RPS – Retrofitting of RCC Structures using new generation fibres	Dr. Manojkumar Chitawadgi	AICTE-RPS-2019-20	Government	Civil	2019-20	7.80392	3 years	
8.	Enabling wireless technology: Software defined Radio (SDR) applications	Dr. Suneeta Budihal	AICTE-STTP-2019-20	Government	SOECE	2019-20	3.12	1 year	
9.	Shape Representation, Reconstruction and Rendering of 3D Models	Dr.Uma Mudengudi	AICTE-RPS-2019-20	Government	SOECE	2019-20	5.64	3 Years	
10	Evaluation of Nano bacterial cellulose based packaging on shelf life of Tomato	Dr.Ashok Sajjan	UAS Dharwad	Government	Chemistry	2019-20	2.5	1 year	
TOTAL							149.15		

External grants received during 2018-19

SN	Name of the Scheme/Project/ Endowments/ Chairs	Name of the Principal Investigator/ Co Investigator (if applicable)	Name of the Funding agency	Type (Government/Non-Government)	Department	Year of Award	Funds provided (INR in lakhs)	Duration of the project	Link
11	Crowd sourcing framework for digital archiving and presentation of cultural heritage	Dr.Uma M\ Dr. Meena S M Dr.Shankar G	DST/ICPS IHDS - 2018	Government	SoECE SoCSE	2018-19	56.34	3 years	
12	Digital Poompohar: Underwater IP and 3D Reconstruction	Dr.Uma M Dr.Shankar G	DST/ICPS DP - 2017	Government	SoECE SoCSE	2018-19	62.66	3 years	
13	Smart Water Management System	Dr. Saroja V S	VGST	Government	SoECE	2018-19	40	3 years	
14	Development of membranes for ethanol purification for fuel	Dr.Ashok Sajjan Dr.N R Banapurmath	UAS Dharwad	Government	Chemistry SME	2018-19	6	1 year	
TOTAL							165.00		

External grants received during 2017-18

SN	Name of the Scheme/Project/ Endowments/ Chairs	Name of the Principal Investigator/ Co Investigator (if applicable)	Name of the Funding agency	Type (Government/Non-Government)	Department	Year of Award	Funds provided (INR in lakhs)	Duration of the project	Link
15	3D Reconstruction using Drone Images	Dr.Uma M	Samsung Research Institute Bengaluru	Non Government	SoECE	2017-18	6.5	3 years	
16	Development of novel Nano composite hybrid polymer membranes for evaporation separation of water from industrial waste organic solvents	Dr.Ashok Sajjan	VGST – KFIST Level II	Government	SME Chemistry	2017-18	40	3 years	
17	Smart system for early detection of plant diseases and PEST infestation	Dr. Prakash R Patil	UASD	Government	SoCSE MCA	2017-18	10	3 years	
18	Establishing the facility for Nano technology for structural and energy engineering applications	Dr.S S Quadri	KFIST – VGST	Government	Civil	2017-18	10	3 years	
TOTAL							66.50		

External grants received during 2016-17

SN	Name of the Scheme/Project/ Endowments/ Chairs	Name of the Principal Investigator/ Co Investigator (if applicable)	Name of the Funding agency	Type (Government/Non-Government)	Department	Year of Award	Funds provided (INR in lakhs)	Duration of the project	Link
19	Restoration of Motion Blur and Image Super Resolution for ADAS	Dr.Uma M	Continental	Non Government	SoECE	2016-17	8.76	3 years	
20	Economical production of Eco friendly Bioplastic material for packaging segment	Dr. Jayachandra S Y	BBC - KBITS	Government	SME	2016-17	25	3 years	
21	BiSEP project	Dr. L R Patil	BiSEP	Government	Biotechnology	2016-17	162.5	3 years	
22	Prototype Aerial Sprayer	Dr.P R Patil	UASD	Government	MCA	2016-17	22.5	3 years	
23	Development of membrane filter technology for increasing heat efficiency of biogas for power generation	Dr.N R Banapurmath Dr.Ashok Sajjan	UAS Dharwar	Government	Chemistry Mechanical	2016-17	10	1 year	
TOTAL							228.76		

External grants received during 2015-16

SN	Name of the Scheme/Project/ Endowments/ Chairs	Name of the Principal Investigator/ Co Investigator (if applicable)	Name of the Funding agency	Type (Government/Non-Government)	Department	Year of Award	Funds provided (INR in lakhs)	Duration of the project	Link
24	Gesture based virtual walkthrough of digital heritage sites - Hampi	Dr.Uma M	DST	Government	E&C	2015-16	14.624	3 years	
25	Robust Horizon detection	Dr.Uma M	DRDO	Government	E&C	2015-16	9.7	3 years	
26	Development of membrane filter technology for increasing heat efficiency of biogas for power generation	Dr.N R Banapurmath Dr.Ashok Sajjan	UASD	Government	Mechanical Chemistry	2015-16	10	1 years	
TOTAL							34.32		

Sd/-

Member Secretary
Research Council



Research, Consultancy and IPR Policy

of

KLE TECHNOLOGICAL UNIVERSITY

2015

As approved in the 3rd BoG held on 24 December, 2015

(Established under Karnataka Act No.22, 2013)



KLE Technological
University

Creating Value

Leveraging Knowledge

PUBLISHED BY KLE TECHNOLOGICAL UNIVERSITY, HUBALLI

Licensed under the You may not use this file except in compliance with the License. You may obtain a copy of the License at "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

First printing, 2016

Contents

I	Research Policy	4
1	Introduction and purpose	5
1.1	Introduction	5
1.2	Organisation	6
1.3	Formats and Guidelines	7
2	Strategic plan	8
2.1	Goal impactful Research	8
2.2	Focus	9
2.3	Programs	10
3	Structure of R & D	11
3.1	Research Council	11
3.2	Funding policy of R & D activities	12
3.3	Components of R & D	12
4	Initiations to promote R & D activities	14
4.1	Challenges	14
4.2	Objectives	14
4.3	Guidelines	15
4.4	Research Promotion Schemes	15
4.5	Research Courses for Students	17
4.6	Financial assistance for Conference	18
4.7	Resource Mobilization	19
5	Award for Quality Research Activities	20
5.1	Guidelines	20
5.2	Award Categories	21
6	Code of Research and Ethics	22
6.1	Code of Research and Ethics	22
6.2	Principles and Application	23
6.3	Integrity and Accountability	24
6.4	Research Data	25
6.5	Publications	26
6.6	Sponsored research	28
6.7	Ethical Review	29

6.8	Additional Requirements	29
6.9	Adverse Events	29
6.10	Misconduct	29
7	Research Extension and Collaboration activities	30
7.1	Research Extension and Collaboration activities	30
7.2	Student – Society	30
7.3	Institute-Society	31
7.4	Entrepreneurship	31
II	Consultancy policy	33
8	Consultancy policy	34
8.1	MoUs	34
8.2	Consultancy policy	34
III	IP Policy	36
9	Part A- IP Policy Preamble	38
10	Part B- The KLE Tech Hubballi Intellectual Property (IP) Policy	39
10.1	IP Policy	39
10.2	The Inventions IP Policy (Patents, Trademarks, Design rights and related)	44
10.3	The Expressions IP Policy (Copyrights related)	48
10.4	Annexure	51

Part I
Research Policy

Chapter 1

Introduction and purpose

1.1 Introduction

This document provides the Research Policy of KLE Technological University, Hubballi, and is based on the statute and regulations of the University. This document provides policies and practices, to support and enhance research activities. This document should be read in conjunction with the relevant Ordinances and Regulations, and any other policies, procedures or guidance as may be issued by the University from time to time. This document shall be kept under review by the Research Council of the University. The Research Council shall be the Principal Research Body of the University and shall formulate the research policies and research programs of the University as prescribed under Section-27 of the Act.

In the present context of the globalized world, the role of research in an academic institution is significant for its sustainability and development. It is imperative to have knowledge-driven growth based on innovation. The quest for knowledge is the basic principle behind the research. The quality of research work directly translates to the quality of teaching and learning processes in the academic institution, thereby benefits the students, the society, and the country at large. The promotion of research in a huge and diverse country like India will help the nation evolve as a knowledge reservoir in the international arena

However, not many institutes have mandatory research goals for individual faculty, and most do not have adequate systems or infrastructure to support quality research. The lack of an encouraging academic environment, ill-equipped libraries, inadequate labs and equipment, poor infrastructure, lack of funds, faculty crunch, etc. are some of the factors contributing to the dismal picture of research in a typical Indian academic institution. To have research universities that can interact with the top universities in the world, these universities need to be given adequate support to enable them to partake in the global knowledge economy at the same level as that of the top universities. Interaction among world-class universities entails international student mobility, faculty exchanges, research, and teaching programs that require a globally competent academic labor force.

Thus, one needs to emphasize on the necessity of research-oriented teaching. Educators engaged in research are updated with the latest developments in their chosen subjects apart from all that is mentioned in the reference books. Thus, educators familiar with research-based teaching can help students to undertake research activities. This commitment to research is aligned with the national imperative to encourage more postgraduate studies, to increase the production of traditional research outputs (as defined by research articles, books, book chapters, and conference proceedings) and to expand the pool of researchers that can contribute to knowledge production and innovation in our society.

In view of the prevailing academic scenario, the purpose of this Research Policy Document is to;

- present a policy framework for the management, support and development of research at the KLE Technological University,
- provide a strategy for achievement of the research goals.

This policy document is expected to address the issues of both applied and basic research, Innovation and Technology development. The policy outlines strategic plan, the guiding principles regarding the management, support and development of research for all those involved in research activities at KLE Technological University. It is applicable to all the temporary, fixed term contract and permanent employees as well as registered students of the University.

The aim of the research policy is to

- a Provide a framework for the promotion of research and development;
- b Provide resources for continued high-level, effective and efficient support for research and affirm research as a priority;
- c Provide eco-system for innovation and entrepreneurship.
- d Ensure effective communication (internally and externally) about the principles and policies on which the research activities of the University are founded with the responsible conduct in research
- e Provide support for consultancy, collaboration and outreach (Extension) activities to enhance the research culture.
- f Integrate support for both undergraduate and postgraduate research into the main stream research.

1.2 Organisation

The Part I provides details of Research Policy, Part II provides Consultancy Policy and Part III gives the details of IP policy of the university. The first four sections in Part I, describe introduction and overview of the university, strategic plan to promote the research activities, the structure of the research and development activities, and code of conduct of research. Sections 5 to 10 provide different policies and schemes for a research promotion, resource mobilization, Innovation eco-system, research publications, consultancy, collaborations and outreach (Ex-

tension) activities. The last section provides formats and different guidelines for the operational aspects of research and development activities.

The structure and process of research policy document will be reviewed and revised by the Research Council during its ongoing regular meetings. The Research Council will review and amend these policies and guidelines as it deems necessary and appropriate, and implement the same with the approval of Board of Governors (BoG).

1.3 Formats and Guidelines

The formats and guidelines for the various R&D activities as envisaged in the aforesaid provisions made in this document shall be prepared and approved by the competent academic bodies of the University from time to time. The approved guidelines are shared with the faculty time to time.

Chapter 2

Strategic plan

The times have changed, and the higher educational institutions need to continually innovate to maintain and enhance their relevance to meet the ever changing demands of global economies. Apart from delivering good quality education, the institutions are expected to develop their capacity in research and innovation. They also need to undergo a fundamental transformation in terms of their role in the society, mode of operation, and economic structure and the scale at which they operate.

The strategic themes are evolved from the university's primary commitment to outstanding learning and student experience, impactful research, and societal engagement. These three interwoven strands of a triple helix; teaching, research and engagement that shape and reinforce one another, define our aspirations and focus. The second theme of Impactful research is provided in this document.

The proposed strategic plan comprises the identification of the strategic research goals and also the resources and actions required to achieve the stated goals. It serves to give effect to the Research Mission statement and the concomitant core value. The proposed strategy has been informed by a range of imperatives both external and internal to the university, and is described within the framework of the National R&D Strategy.

2.1 Goal impactful Research

As the institutional goal, KLE Tech will actively nurture and organize its research efforts and creative endeavors to enhance regional, national and global impact and reputation as a research-intensive University.

Performance improvement in terms of various standard research metrics is a necessary step for obtaining credibility and resources needed to elevate KLE Tech in the Indian higher education system. A greater part of the research effort will be aligned / concentrated in the areas of national interest. The plan is to build on these areas to develop substantial research strength by selective strategic

investments, research leadership and support. This selective strategic investment will be provided to inter-disciplinary and disciplinary areas.

2.2 Focus

Develop substantial research strengths by aligning the areas of present strengths and areas of national interest by selective strategic investments, leadership and support

- a Evolve strategic research roadmap for each School of the University by identifying research focus areas (RFAs) that build on present strengths and future opportunities.
- b Implement an integrated and coherent University-wide approach to planning, delivering, managing, rewarding and funding research across all the Schools.
- c Enhance research active faculty.
- d Establish metrics to measure and reflect research output and impact using a range of measures at individual and institutional level.

2.2.1 Interdisciplinary Research Centers

Build strategic aggregations of people and programs to strengthen inter-disciplinary areas of research & development, that will enable KLE Tech to compete successfully for large funding opportunities and provide the ability to create innovative solutions to societal needs.

- a Promote and support interdisciplinary research and development centers, that leverage breadth of our expertise to address the complex problems faced by our nation and the world.
- b Ensure that these centers give priority to problems/opportunity-focused projects/products that demonstrate successful interdisciplinary collaboration and address the market needs.

2.2.2 Funding

Foster a supportive environment for research by facilitating access to internal grants and providing strategic expertise to maximize external grants.

- a Build University Research Fund for providing internal support to Schools and Centers to enhance their research profile.
- b Establish appropriate process to provide seed funding for research projects that can be leveraged in obtaining external grants.
- c Seek funding from governments, research agencies and industries to sustain the research initiatives and enable specific research projects.
- d Drive the commercialization of research and technology transfer, through mechanisms such as licensing, patents, creating spin-off companies and supporting external entrepreneurs.

2.3 Programs

Enhance quality and relevance of the doctoral research programs to emerge as an institution of choice for researchers.

- a Continue to invest in research capacity development to attract and support more number of doctoral students in disciplinary and interdisciplinary RFAs.
- b Strengthen the interconnectivity between research and teaching/learning, including the participation of undergraduate and postgraduate students in the University research programs.
- c Evolve innovative enrollment strategies to recruit and support full time researchers and personnel from industry

Chapter 3

Structure of R & D

The research promotion and development activities of the university is supported and managed by the Research and Development (R & D) center of the university and headed by Dean R & D. The cell provide administrative and managerial support for the operation of sponsored research, consultancy and related activities of the Institute. The Cell facilitates interaction with external agencies, both at national and international levels. It also promotes and manages Institute-Industry interactions and all externally funded research and development projects as well as patents. The Cell acts as a liaison between the Institute and funding agency to undertake sponsored projects.

3.1 Research Council

The Research Council is the regulatory body of the university to formulate policies, guidelines and effectively responding to the challenges of the university towards enhancing research activities.

Research Council, which is the principal research body of the University, shall formulate the research policies and research programmes. Research Council shall review and supervise implementation of research strategies and policies. Research Council shall seek the approval of the Executive Council in all matters. Objectives of Research Council is to;

- a Guide the strategic orientation required to advance research profile of the University.
- b Advise Schools, Departments and Centers to evolve their strategic research roadmap.
- c Review policies and regulations to enhance quality of Ph.D./M.Tech. programs
- d Regularly review research progress of Schools/Departments in terms of appropriate parameters.

The Research Council shall consist of the following

- i The Vice-Chancellor - Chair Person
- ii The Pro Vice Chancellor - Member
- iii Head of the Department of Innovation - Member
- iv Deans of all Faculties – Members and

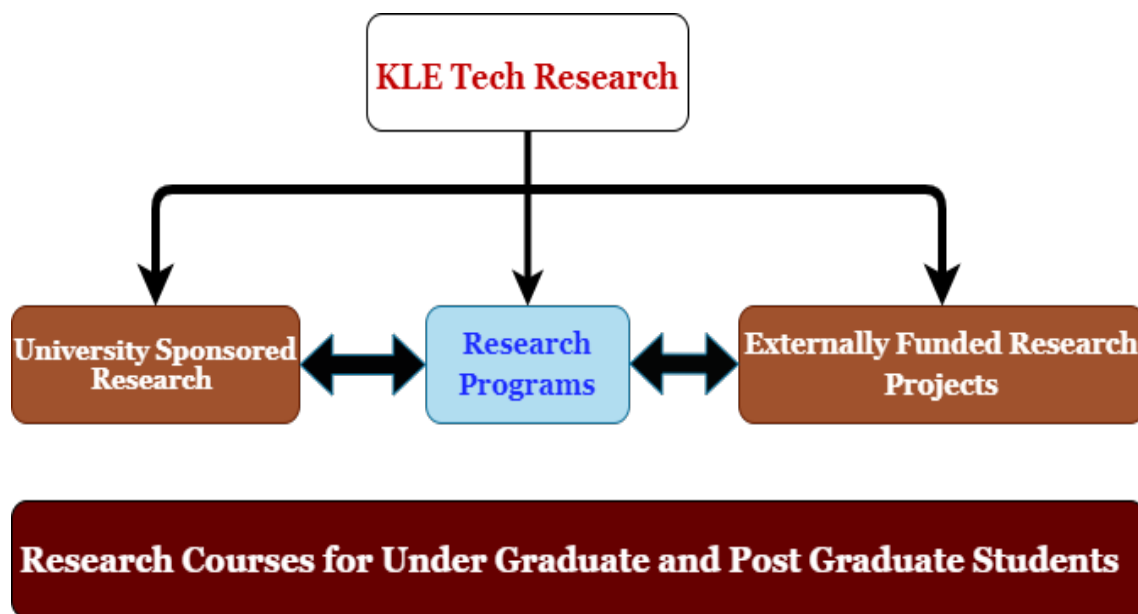
- v Such other members as may be specified in the Statutes.
- vi The Dean of Research – Member Secretary

3.2 Funding policy of R & D activities

KLE Tech shall provide 5% of total revenue for R & D activities as approved by the Board of Governors (BoG 3.3). According to the BOG approved research policy various activities under research promotion schemes are carried out by the R & D Cell as per the approved process.

3.3 Components of R & D

Research at KLE Tech is carried out under 3 different components (i) University sponsored research, (ii) Research programs, and (iii) Externally funded projects. Figure shows the components of R & D activities.



- i **University Sponsored research:** University promotes the research at individual faculty level, group of faculty at the department or inter-department research. Every year University identifies, reviews and funds are sanctioned to carry out research at individual faculty level, research groups, research clusters, product design and development groups, etc. The details of these are provided under initiations to promote research.
- ii **Research programs:** The schools/departments/centers offer research programs. Research Center Research Centre encompasses the research activities at the school/department level. There can be multiple areas of research pertaining to the disciplines based on the faculty expertise available in the department. These centers will also focus on offering of formal degree

like MS and PhD. They will also contribute towards imparting research experience for UG and PG students via programs like Research Experience for Undergraduates (REU).

- iii **Research Courses for Students:** This involves the introduction of research Courses for undergraduate students to enhance the research culture. A number of research courses are offered to the students of undergraduates. All these courses are six credits, and Students of B.E. program may register for these courses in place of 2 electives.
- iv **External funded projects:** The University has set rules to carry out external funded research and consultancy projects. The faculty as a Principle Investigator (PI) can write and get the external funded research and consultancy projects.

Chapter 4

Initiations to promote R & D activities

This section provides the details of challenges faced to enhance the research culture, objectives to promote research culture, and initiatives and research promotion schemes of the university to enhance the research culture. The details of courses offered to undergraduate students to enhance the research output is also presented.

4.1 Challenges

As per the strategic plan of the University the university has taken number of initiatives to promote and enhance research culture for faculty, group of faculty and students. These initiatives and research promotion schemes are reviewed by the research Council every year and appropriate recommendations are provided.

The research initiatives are necessary to address the following challenges

- Lack of Synergy in research initiative
- Lack of visibility to attract funding
- Lack of experience of funded projects
- No tradition of research and
- Inadequate support facility
- No reward for research

4.2 Objectives

The objectives of initiating R & D activities are to enable focused research, attract funding, IP generation, productisation, start-up support, and synergise the efforts of faculty and students to gain greater recognition for the University at National and International level. The initiation of different research promotion schemes are given in the Section Research Promotion Schemes. The university also has taken an initiative to provide **seed money** to individual faculty and group of faculty through different research promotion schemes.

4.3 Guidelines

The identification of faculty groups for research will be based upon need of the University, talent, passion and the ecosystem. The different faculty groups are: Research Groups (RG), Research Clusters (RC), Product Design and Development Groups (PDDG), Faculty Student Start-up Groups (FSSG). These groups eventually lead to recognition as CoEs and/or Startups.

1. Human resource for each research group may recruit Research Associates (junior or senior) to carry out the research activities of the cluster/group.
2. Each research group needs to provide roadmap for 3 years. Fund release for the first year is subject to the acceptance of the roadmap. However, subsequent fund release depends on the success of the roadmap.
3. Faculty or group of faculty applying for PDDG can recruit research associates and the group needs to provide roadmap for 3 years.
4. Fund release for the first year is subject to the acceptance of the roadmap. However, subsequent fund release depends on the success of the roadmap.
5. The budget for each RC/RG or PDDG faculty group is Rs.30L to 50L and can be revised as per the recommendations of the university rules.

4.4 Research Promotion Schemes

To promote research in emerging and high impact areas, the University has undertaken initiatives to identify and nurture research clusters/research groups (RC/RGs), Faculty student Startup groups (FSSG) and provide funds for Product Design and Development initiatives. The aim is to develop these clusters/groups to a level of competency that makes them further emerge as Centers of Excellence (CoE).

The Following research promotion schemes are initiated since 2015. Every year the call for proposals are sent to all faculty inviting applications from a faculty or group of faculty to the different internal funding schemes of the University. The review committee reviews these proposals and approves the funding. This fund is for one year and faculty or group needs to write fresh proposal for continuation or new proposals. Following are the types of activities which are funded.

- Capacity building projects
- Research Groups and Clusters
- Facility creation for Product design
- Incentive for R & D activities

The following section give brief details about these activities.

4.4.1 Capacity Building fund

Capacity Building fund is the seed money provided to the individual faculty to initiate the new areas of research and grow the research activity in an area aligned with focus areas of School/Department through Capacity Building Projects.

The objectives of these projects are

- To enhance the research capability of the faculty and research center/cluster/group.
- To provide the experience of carrying out a research project.
- To facilitate the process of applying for funds from external funding agencies.

4.4.2 Research Cluster (RC)

Under the RC proposal a group of faculty get seed money for the focused research work, faculty group can be from the same department or inter-disciplinary in nature. Research Cluster is theme centered, e.g. energy, material science, ESDM, CVG, data analytics, etc. These centers synergize the efforts and expertise of faculty across the departments and create a platform towards building higher levels of inter-disciplinary research/development /technology-translation/productivity. The aim is to get recognition and visibility in a chosen theme.

4.4.3 Research Group (RG)

Under the RG proposal a group of faculty get seed money for the focused research work. This is similar to RC, wherein collaborating faculty can be from the same department or across departments. Research Group leads to initiation of research clusters in the collaborating area over a period of time.

4.4.4 Centre of Excellence (CoE)

Under the RG proposal a group of faculty get seed money for the focused research work, which has shown significant outcomes in the last few years. The identification of RCs/RGs will be based upon the needs of the University, talent, passion and the ecosystem, which will sustain to evolve into Centres of Excellence (CoEs). This will help to identify the clusters of competence, which then go through two phases before emerging as CoEs. In Phase-1, RCs define roadmap, orient research and build capacity. In Phase-2, RCs contribute towards publications, funded research and consultancy projects, patents, etc. before elevating to a CoE. The CoEs will collaboratively work with University's innovation and entrepreneurship center (CTiE), and product design and development centers (CIPD).

4.4.5 Product Design and Development Grant (PDDG)

The Product Design and Development Grant (PDDG) is given to a faculty or a group of faculty who involve in product innovation, design and development

activity of the University and supports start-ups and industry. These faculty groups bring together the skill set and expertise of multidisciplinary group of researchers from Schools, Departments, RCs/RGs and industry towards technology translation, design and development activity of a product

4.4.6 Faculty student start-up grant (FSSG)

This grant is given to faculty or group of faculties who involve with the startup and students towards a product development and deployment.

4.5 Research Courses for Students

Introduction of a research Courses for undergraduate students to enhance the research culture. Number of research courses are offered to the students of undergraduates. All these courses are 6 credits and Students of B.E. program may register for these courses in place of 2 electives.

4.5.1 Research Experience for Undergraduates (REU)

This course has the following details

Objectives

- To provide real-world, hands-on research experience for students.
- To provide an opportunity to work directly with a faculty member on a bonafide research project.
- To work in research groups in the industry to solve local problems in an innovative way.

Faculty Supervisors

Faculty with doctoral degree individually or in a group can submit the research group proposal in the format given by the university.

Process of REU

During this course the UG students shall work on a research topic which reflects substantial understanding of the courses and capability to apply the same. At the end of the work the candidate shall submit a dissertation and will be evaluated by a committee of 3 members consisting of Head of the department, guide and an external examiner.

4.5.2 Institute research projects (IRP)

Institutional research projects are approved by the university R&D center. Typically IRP projects are identified in 3 categories, and goals are defined for 1 to 3

years with objectives for each year. Students are allowed to take projects under these categories.

- Institute research projects (IRP): R& D center identifies and provides funding for IRPs and students are allowed to take these projects.

During this course the UG students i team shall work on a research project identified by the university R&D center. At the end of the work the Students team shall submit a report and will be evaluated by a committee of 3 members consisting of Head of the department, guide and an external examiner.

- Institutional Sponsored Projects (ISP): Institutional approved projects for funding by the university R&D center. Typically ISP proposals have short term goals for an year and need institutional support.

During this course the UG students in team shall work on a research project identified by the university R&D center. At the end of the work the Students team shall submit a report and will be evaluated by a committee of 3 members consisting of Head of the department, guide and an external examiner.

- Sponsored Research Projects (SRP): The research projects which have received external funding. The goals and objectives are as per the accepted project proposals.

During this course the UG students in team shall work on a research project objective given by the PI of the external funded project. At the end of the work the Students team shall submit a report and will be evaluated by a committee of 3 members consisting of Head of the department, guide and an external examiner.

4.6 Financial assistance for Conference

In order to encourage the faculty, to enhance the research culture and collaborations, KLE Technological University provides financial assistance towards organizing and attending conferences and Faculty development programs. KLE Tech has a process for the review of the policies regarding financial assistance. The faculty who wish to avail financial assistance under this scheme should submit their proposal to the R&D office. The review committee reviews the proposals and recommends. The Funds once released/sanctioned for organizing a particular activity cannot be utilized for any other Programme.

4.6.1 Organizing and attending Conference

The financial assistance is provided for organizing Conferences at National and International level in various fields of Technical Education. It intends to promote high standards in Technical Education by providing a forum to the academicians and working professionals for sharing their knowledge, experiences, innovations and inventions. Preference shall be given to topics of interdisciplinary nature, emerging and thrust areas in Technical Education.

KLE Tech provides financial support for both students and faculty to present their paper/s in the conferences held within India and outside India. KLE Tech has policy towards attending conference within and outside India. Faculty are also encouraged to apply for external agency for financial support in attending conferences.

4.6.2 Organizing and attending Faculty Development Programs (FDPs), and Staff Development Programs (SDPs)

KLE Tech provides financial assistance to conduct and attend FDPS and SDPs. FDPs and SDPs facilitate up-gradation of knowledge, skill and also to provide opportunities for induction training to teachers and staff of the university. The objective of this grant is to enhance the teaching and other skills of the faculty, to make them aware about modern teaching tools and methodologies and to help them acquire knowledge about current technological developments in relevant fields.

4.7 Resource Mobilization

The university has a transparent and well-planned financial management system in which Government and Management are the main sources of funds. The resource mobilization policy focuses on achieving the goals and target of the institution ensuring accountability and transparency.

Chapter 5

Award for Quality Research Activities

The University aims to improve overall research performance and promote research activities undertaken by various departments, faculty members and students. The Research Incentive Scheme (RIS) provides the means to assist with research activities or reward to faculty for successful quality publication or presentation of research outputs. The University awards incentives for various research activities like quality publications, successful completion of external funded research projects and successful guidance to the doctoral students. The following points give the details about awards.

5.1 Guidelines

5.1.1

Research Incentive Scheme guidelines are reviewed and revised during Research Council meeting if necessary or the guidelines are continued until the revised guidelines are provided for every academic year.

5.1.2

The application process is also presented in the guidelines, and the information regarding guidelines and formats are shared with all the stakeholders after the research council meeting.

5.1.3

The application process includes, the submission of the award application by a faculty who wishes to apply for the awards in the format given by the R & D office.

5.1.4

All the award applications are reviewed by the Incentive Committee and the awards/incentives are recommended.

5.2 Award Categories

The awards are provided in the following categories;

5.2.1 Awards for Quality publications

In order to encourage the faculty of KLE Technological University towards making high-quality scientific publications, financial incentives will be provided. Authors of International Journal papers, books or book chapters are provided with incentives as per the guidelines of the university.

5.2.2 Awards for External funded research projects

To encourage and enhance the applications to the external funded research projects, the university has the award scheme for PIs (Principle Investigators) of the external funded projects. The PIs shall apply for the award after the successful completions of external funded research project and submission of the utilization certificate.

5.2.3 Award for supervising the doctoral students

To encourage faculty with doctoral degree to supervise the doctoral students, University provides awards and incentives to the supervisors of doctoral students, doctoral students need to be working as a faculty in the University. The supervisors can apply after the successful completion and award of doctoral degree to their doctoral students.

5.2.4 Award for supervising the doctoral students

To encourage faculty with doctoral degree to supervise the doctoral students, University provides awards and incentives to the supervisors of doctoral students, doctoral students need to be working as a faculty in the University. The supervisors can apply after the successful completion and award of doctoral degree to their doctoral students.

Chapter 6

Code of Research and Ethics

6.1 Code of Research and Ethics

The code of research includes two closely related notions scientific integrity and research ethics. The idea of responsible conduct in research refers to the whole range of behaviors which characterize how professionals in a given field conduct themselves. It is intrinsically linked to behaviors their ethics and standards command in the context of their professional activities. The responsible conduct in research goes to the very heart of what research is. The values most closely associated with research ethics are honesty, trust, justice, integrity, intellectual probity, respect, responsibility and benevolence. Responsible conduct in research requires that these values be adhered to and promoted by the scientific community as a whole. The expectations that derive from these values apply to all research activities and concern all relevant actors. They form the backbone of a research ethos which allows different actors to agree, communicate, and collaborate on the advancement of knowledge while reaching pinnacles of research excellence. To reach the latter, one must actually cultivate these values in research environments so that responsible conduct may take root and flourish. However, research actors can at times find themselves in situations where other values come into conflict with research ethics and imperil responsible conduct. This policy wishes to reaffirm the primacy of those values associated with the responsible conduct in research and support researchers, students and the research communities in the pursuit of research excellence.

A statement of the purpose of the Research Code of Conduct and the University's commitment to integrity in research. The University is committed to maintaining the highest standards of rigor and integrity in the conduct of its research. The University expects all those involved in research to observe these standards and to embed good practices in all the aspects of their work, including the training of new researchers. The University also requires that all the students and members of staff conducting research to adhere to the highest levels of research conduct. The University Research Code of Conduct lays out the standards expected from all those carrying out research under its auspices. The Code covers areas such as

- 1 Approval procedures

- 2 Publication and Authorship
- 3 Research Data
- 4 Reviewing research for journals or funding bodies or internal purposes
- 5 Supervision and management of students' or researchers'
- 6 Intellectual property (to be read in conjunction with the IP policy)

6.2 Principles and Application

1. University expects all research carried out at the University or in its name to be conducted to the highest standards of integrity. This Research Policy provides a framework for the governance of all research throughout the University. It requires all those undertaking and/or contributing to research to adhere to the highest standards of performance and ethical conduct, and embed good practice in all aspects of their work. They must operate honestly and openly in respect of their own actions and in response to the actions of others involved in research.
2. University requires all Staff, Emeritus Professors, Honorary Staff, Visiting Staff and all Registered Students (whether undergraduate or postgraduate) involved in research to abide by this Code. Where any other individual who collaborates in research with KLE Tech Staff and Registered Students is not bound by an equivalent Code through their Employer or other organisation, the individual shall be expected to abide by this Code when working with the University unless otherwise agreed. References hereafter to 'researcher or workers' include all Staff (including Emeritus Professors, Honorary Staff and Visiting Staff), Registered Students and external research collaborators who are involved with research in connection with or as part of the University.
3. This Code is linked to and operates in conjunction with conditions of employment for the relevant Staff groups and other related University policies and procedures. Failure to abide by this Research Policy may lead to the matter being considered under the University's disciplinary procedures.
4. Any alleged breach of this Code shall be handled in accordance with the appropriate University disciplinary procedures.
5. The Research Policy and its implementation will be reviewed by the University's Research Committee on an annual basis in consultation as appropriate with relevant individuals or groups. The review will take into account changes and recommendations from external research funders, Acts of Parliament and other regulations. Where any proposed change to this Research Policy would affect Staff Terms and Conditions of Service the University will follow the appropriate normal procedures of consultation and/or negotiation.
6. All research workers undertaking or involved in research must familiarise themselves with this Research Policy. Heads of Schools/Department/Centers have a responsibility to seek to ensure compliance with the Research Policy. The University will draw attention to the Research Policy in its induction processes for newly appointed Staff and Registered Students. Supervisors

of Registered Students will seek to ensure compliance with the Research Policy on the part of students. The University will draw attention to relevant training and development modules to ensure that all research workers are aware of best practice requirements.

7. The University recognizes and protects the principle of academic freedom in its Ordinances.

6.3 Integrity and Accountability

1. Everyone involved in research in the University owes a duty of accountability to the University, to all participants in their research, and to their research funders commensurate with their involvement in that research. Individuals must accept responsibility for their own conduct of their part in any research and for providing direction for the activities of any Staff or Registered Student under their supervision.
2. The Primary Researcher or Principal Investigator in any research should identify clear roles and accountabilities for all those involved in any research project, and should ensure that all involved are informed of their responsibilities. Areas of accountability include
 - 1 the ethical basis of the research and the research design
 - 2 the safety of all involved in the research,
 - 3 the probity of financial management of all projects and for seeking to provide the optimum value for the public or private funders who have invested in them,
 - 4 effective project management to agreed project plans and appropriate quality standards, including timely delivery of any scheduled, tangible outcomes,
 - 5 management of research data in accordance with the Data Protection Act (DPA), 1998 and university legal provisions,
 - 6 seeking to ensure timely and wide dissemination of research findings,
 - 7 as appropriate undertaking professional development relevant to the research and ensuring that all others involved in the research have received relevant training,
 - 8 maintaining personal records of research progress, including authorised laboratory books, to the recommended or required standards,
 - 9 maintaining confidentiality in order to achieve protection of intellectual property rights where appropriate,
 - 10 ensuring research participants participate in a voluntary way, free from any coercion and are properly informed of any risks, the broad objectives and of the identity of any sponsors of the research,
 - 11 using all best endeavors to avoid unnecessary harm to participants, other people, animals and the natural environment, having taken due account of the foreseeable risks and potential benefits of the research,
3. When peer reviewing research proposals or results (including manuscripts submitted for publication), research workers must protect the confidentiality of information provided and disclose any conflicts of interest and any

areas of limited competence, and must not misuse or misappropriate the content of the material being reviewed.

4. Research workers must be honest and lawful in respect of their actions relating to research and in response to the actions of other research workers. This applies to the whole range of research activity, outputs and deliverables, including applying for funding, experimental design, generating and analysing data, publishing results and acknowledging the direct and indirect contribution of colleagues, collaborators and others.
5. Where a research worker has concerns about whether the obligations of accountability as set out in clause 2.2 can be met or is in doubt about the applicability of provisions of the Code to their part in any research, or about the appropriate course of action to be adopted in relation to it, advice should be sought from a member of the relevant Ethical Review Committee or the Research Governance and Ethics Committee of the Research Committee. All responses from the Committee will be in writing and will be retained for future access as appropriate. A Registered Student who has any questions about this Research Policy should in the first instance raise these with their immediate supervisor.

6.4 Research Data

1. Research workers must keep clear and accurate records of the research procedures they followed and the results obtained, including interim results.
2. Research data must be recorded in a durable and auditable form, with appropriate references so that it can readily be recovered.
3. Unless already regulated by legislation or confidentiality agreements, or where there are valid ethical reasons for not doing so, primary research data and research evidence must be accessible in confidence to other authorised researchers for verification purposes for reasonable periods after completion of the research; data should normally be preserved and accessible for ten years, but for projects of clinical or major social, environmental or heritage importance for 20 years or longer. These periods are in accordance with current University guidelines.
4. Unless there are particular reasons, including any legal or regulatory requirements (including without limitation the requirements of a research ethics committee), for not doing so, data should be stored in their original form. Storage media such as tapes and disks should not be erased and/or reused, but should be stored securely.
5. It is the duty of the Principal Investigator in any research project to comply with the DPA. The DPA applies to all processing of personal data.
6. Some central issues for research workers in relation to personal data include
 - all Staff and Registered Students using personal data in research have a duty of confidentiality to the individuals concerned,
 - unless there are ethically or legally justified reasons for doing otherwise, research workers must ensure that they have each study participant's explicit informed written consent to obtain, hold and use their

- personal data,
 - data security arrangements must be sufficient to prevent unauthorised breaches of confidentiality or unauthorised disclosure of personal data,
 - The University, through the Colleges, will develop and implement procedures for complying with the University's Data Protection Policy and the University's Records Management Policy. As appropriate affected groups and individuals will have input to the development of the procedures. Once approved by the University, Heads of Colleges have responsibility to ensure that these procedures are made known to all Staff and Registered Students.
7. The University is responsible for establishing appropriate procedures for security and retention of research data in a form which would enable retrieval by an authorized third party, subject to any limitation imposed by the confidentiality of personal data.
 8. Specific arrangements should be made to protect the security of research data where there is a contractual requirement to do so.
 9. Research data related to publications should be available for discussion with other research workers, except where confidentiality provisions prevail. Confidentiality provisions relating to publications may apply in circumstances where the University of Birmingham or the researcher has made or given confidentiality undertakings to third parties, including research subjects, or confidentiality is required to protect intellectual property rights. It is the duty of the Principal Investigator to familiarise him/herself with any provisions of confidentiality relating to any particular research grant or contract and to inform research workers under his/her supervision of their duties with respect to these provisions. Advice on individual grant or contract terms may be obtained from Research & Commercial Services.
 10. The Principal Investigator should also ensure that third-party Intellectual Property rights are not breached.

6.5 Publications

1. Publication is the dissemination of the outcomes of scholarship and research not only in conventional paper form but also in other media, including electronic media. The University encourages its Staff and Registered Students to disseminate the findings of their research through appropriate and timely publication. In this context publication may be taken to include, inter alia, books, chapters, articles, conference proceedings, reviews, patents, catalogues, compositions, the production of creative arts, software and databases.
2. Ethical considerations apply to the production of all categories of publication and external communications, including web-sites, e-bulletins, press releases, media briefings or other events. The University of Birmingham expects research workers to abide by the University's core principles of openness, transparency and accountability and adopt appropriate ethical

and professional standards and responsibilities in their publications as set out below.

3. Good practice requires that all University Staff include the details of their research outputs in the relevant University research publications databases according to the relevant procedures for recording that information. Staff and Registered Students should also help to ensure wide dissemination of their publications and therefore cooperate in requests from the University to include their outputs in a publicly accessible repository where appropriate.
4. There is a fundamental ethical obligation on authors to acknowledge and attribute external sources of information. Citation of sources should be carried out in accordance with the Harvard referencing system which has been adopted as standard by the University, or in accordance with the house style of the relevant publisher and/or the normal practices of the discipline concerned. Citation not only gives credit to the work of others, but also enables readers to identify elements in the text and therefore recognize the contribution of the author or authors in the context of previous work. Failure to cite sources could, inter alia, constitute plagiarism and may be subject to disciplinary procedures.
5. The KLE Tech cannot endorse citation arrangements which are contrary to academic conventions (such as citation clubs or the unnecessary use of self-citation). Guidance will be provided by the Research Committee as to acceptable use of self-citation. Membership of Citation Clubs may be regarded as misconduct
6. It is in the interests of faculty, Registered Students and the University that good practice in the matter of co-authorship is disseminated, understood and followed.
7. A publication must contain appropriate reference to the contributions made by all those who have made what might reasonably be regarded as a significant contribution to the relevant research. Any person who has materially contributed through conceiving, executing or interpreting at least part of the relevant research should be given the opportunity to be included as an author of a publication derived from that research. Accepting the status of co-author implies a full commitment to having one's name and reputation fully associated with the content of the publication.
8. There is a general ethical obligation that the contributory efforts of persons who have helped in the work being reported in a publication should be identified and acknowledged in it. It may, therefore, be appropriate to identify those who have assisted substantively in the work presented in a publication. This may include financial sponsors, colleagues within and outside the University who have given advice and any others who have facilitated the collection of material or data on which the publication is based or who have assisted in producing the publications. Those identified should be approached for permission if it is intended to acknowledge their assistance in the publication, and they should be offered the opportunity of seeing the publication.
9. A publication which is substantially similar to other publications derived

from the same research must contain an appropriate reference to the other publications. A researcher must disclose to a publisher at the time of submission (a) substantially similar work which is being submitted to another publisher at the same time or (b) work which has been previously published.

10. Authors should be aware that in contract and collaborative research it may be necessary to seek permission for publication from all parties to the contract in advance of submission of the work to a publisher.

6.6 Sponsored research

6.6.1 Sponsored Research Projects

Sponsored project refers to one in which the PI does not charge honoraria/consultation fee. Amount may be used by the PIs as approved in the respective budget head by the funding agency. A faculty may like to approach various national and international funding agencies and industries for sponsored projects in the areas of the desired research interests. For a project sponsored by a government agency, no honorarium in any form can be claimed. The guidelines of the sponsoring agency are used to execute the project.

6.6.2 Collaborative Research Projects

Faculty may also participate in collaborative projects with other domestic or foreign partners. In such projects, even though there may be an overall project, there must be a separate budget and scope of work statement to be done by the faculty and staff of the Institute. The summary statement provided to the Institute should be based primarily on the portion to be done by the Institute. The Institute will treat this like any other sponsored project.

6.6.3 Project execution Guidelines

1. Project responsibility The sanctioned projects are headed by a Principal Investigator (PI), and may have Co-Principal Investigators (co- PIs)/ Administrative PI (to operate the project, in case PI is out of station) and the deliverables are the responsibility of the PIs.
2. For each sponsored project, the entire expenditure for the operation of the project is required to be met out of funds provided by the sponsoring agency. The responsibility for operation of the project lies solely with the PI.
3. Preparation and Submission of the Proposal The project proposal should be formulated according to the format prescribed by the concerned funding Agency and submitted to the R & D Cell of the University for further processing. No proposal shall be submitted by the PI directly to the funding agency without the information to the R & D cell.
4. Ethics/ (Intellectual Property Rights) IPRs Funding agencies are concerned with ethical issues of the scientific experimentation on humans, animals, etc.

PIs are responsible for upholding academic integrity, Non-Disclosure Agreements (NDA), MoU guidelines of the funding agency and the University Research Policy during the execution of the projects. PIs are responsible for the submission of progress reports, statement of expenditures and utilization/completion certificates of the project.

6.7 Ethical Review

The KLE Tech requires that all Staff and Postgraduate Registered Students' research projects undergo an ethical self-assessment and, where further scrutiny is required, an ethical review by an Ethical Review Committee of University or external ethical review committee as suggested by the university regulatory committees. Software tools are used for plagiarism check and is followed by all the researchers.

6.8 Additional Requirements

Any special standards of work performance or conduct imposed by law or by the KLE Tech in relation to particular categories of research are deemed to be included in this Code in its application to persons engaged in that research in the University.

6.9 Adverse Events

Research workers have a duty to monitor and report any Adverse Events occurring in the course of the research and each School/dept/center must have systems in place to ensure that all such Adverse Events are recorded and, if appropriate, investigated. In this context, an Adverse Event is an event which results in harm to the researcher, the research participants, or the environment.

6.10 Misconduct

1. Misconduct in research is a failure to comply with the provisions of this Code and, without limiting the generality of the foregoing provisions, is taken to include Fabrication, Falsification, Plagiarism, Misrepresentation, Mismanagement of Data and/or Primary materials etc., and general Misconduct.
2. Researchers and other members of Staff have a duty to report any breach of this Code where they have good reason to believe it is occurring, to the Head of College or some other person in authority.
3. The University considers an accusation of research misconduct to be within its remit and suitable for consideration according to its relevant disciplinary procedures.

Chapter 7

Research Extension and Collaboration activities

7.1 Research Extension and Collaboration activities

University has s strategic theme for the Societal Engagement. The details are;

7.1.1 Goal

KLE Tech will actively seek out strategic opportunities to contribute to the socio-economic development and benefit of the people of the region. Societal engagement, and regional development, will be a distinctive feature of learning and research endeavors at KLE Tech. The university will strive hard to enhance quality of life in the region by contributing its expertise, experience and leadership. A more intimate engagement with society will not only enrich the community but will benefit our students as well. It will offer additional opportunities for research, for experiential learning, technology translation, and for development of values of citizenship and social service. We will pursue this agenda through sustained partnership with public, private, non-governmental, professional bodies.

Universities form an important pillar in the competitiveness of the regions in which they are situated. They should create economic value by serving as magnets of talent, as engines of innovation and as incubators of new products, technologies, and ideas. Our work in driving innovation and entrepreneurship in our region will be grounded on a strong entrepreneurial culture amongst our faculty, students, alumni, and industry.

7.2 Student – Society

Integrate civic engagement and service learning into student learning experience, wherein students can understand and connect to societal needs.

7.2.1

Create educational experiences wherein students develop a greater understanding of social issues and take responsibility to evolve innovative solutions to address them.

7.2.2

Encourage and support the students to take up projects that have distinctive features of community engagement, and benefit the local and regional communities.

7.2.3

Encourage and support students to take up entrepreneurial initiatives of relevance to society

7.3 Institute-Society

Actively engage in advancement of the region through leadership role in the community and emerge as a model for university-society partnership.

7.3.1

Be a leader in a strong network of local and regional organizations, government entities, educational institutions and private foundations that link the university to external communities so as to create a positive and meaningful impact.

7.3.2

Address the needs, challenges, and perspectives of the region with services, applied research and collaborations with appropriate organizations.

7.3.3

Support educational institutions and students in the region through outreach programs and services to enhance quality of education.

7.4 Entrepreneurship

Create an entrepreneurial ecosystem driven by innovation and collaboration for the growth of industries and employment opportunities in the region.

7.4.1

Provide and support formal and informal opportunities to students and faculty to participate in entrepreneurial activities leading to start-up company creations and employment.

7.4.2

Engage entrepreneurial communities to create vibrant entrepreneurial ecosystem in the campus and in the region.

7.4.3

Promote and support technological innovation and research by students and faculty leading to solutions that address wide range of societal needs and also create value for the new enterprises.

Part II

Consultancy policy

Chapter 8

Consultancy policy

8.1 MoUs

The University has established technological ecosystem for promoting research consultancy and collaboration with other Institutions/Industries of repute operating under various MoUs.

8.2 Consultancy policy

To develop outreach activity, the consultancy is one of the activities. In this regard the faculty of KLE technological University has the potential to carryout consultancy. Hence it is proposed to give permission to carry out consultancy and any financial gain out of this may be shared between the institution and faculty & the staff involved. It is proposed that there can be three levels of categories depending upon the financial involvement of institution and the share of distribution of financial gain can be different for different categories

8.2.1 Category I

Here faculty / staff uses the infrastructure like building, electricity, water etc. along with materials for testing, prototyping, material preparation etc.

8.2.2 Category II

Here faculty / staff uses the infrastructure like building, electricity, water etc. only.

8.2.3 Category III

Here faculty visits outside, uses intellectual developments due to the developments in the Institution and gets a duty leave. Depending upon the categories it is proposed to have the following distribution of financial gain

- * The internal distribution shall depend on the project and agreement on case by case basis.

KLE TECHNOLOGICAL UNIVERSITY

Category / party	Category I**	Category II ****	Category III
Institution	50%	30%	20%
Faculty/ Staff*	43%	60%	70%
Administrative cost	7%	10%	10%

- ** In special cases the share may be different depending upon the agreement
Administrative cost Head of the Institution, Head of Department /School/ office staff*

Part III
IP Policy

ABOUT THE IPR BOOK

The University IP Policy states the procedure to be followed in the administration of inventions which result from teaching, research, and other intellectual activity performed under University auspices. The University has developed IP review and IP filing process which aids inventors to protect their IP rights. The policy is reviewed annually and revised as per the requirements and developments of the University and IP rules and regulations of India.

IP policy also eludes to various agreements to transfer, share and monetize IP rights. The following documents are part of the IP policy

- i Non-Disclosure Agreement (NDA)
- ii Technology Transfer Agreement
- iii Joint IP Agreement
- iv Invention Disclosure Form

Dr. Uma M
Dean R& D
KLE Technological University

Chapter 9

Part A- IP Policy Preamble

This policy concerning Intellectual Property of KLE Tech is aligned to the vision and mission of KLE Technological University.

KLE Tech acknowledges the role of numerous stakeholders in the creation of its Intellectual Property (IP), namely the government, public, researchers, faculty, staff, postdoctoral fellows, research students, postgraduate and graduate students, guest researchers, sponsors, technology transfer units and the national IP offices. Being a public educational institute, interests of the various stakeholders have been attempted to be taken care of.

KLE Tech recognizes the importance of innovations and assists in translating them into products, processes and services for both commercial benefits and achieves the widest public good. The features of this IP Policy aim to meet such needs and enable KLE Tech to achieve its vision. KLE Tech's IP policy is designed to identify, protect, and leverage the bouquet of IPs that is generated from research – patents, copyrights, design rights and trademarks amongst others, that serve the purpose of knowledge diffusion and commercialization.

The IP policy of KLE Tech is segregated into two primary sub policies relating to (a) “inventions” and (b) “expressions” associated activities at the KLE Tech. The main IP policy presents the generic position of KLE Tech. The Inventions related IP Policy relates to patent, design, layout, trademark, bio-diversity and related rights whilst the Expressions related IP Policy provides direction for the Copyright and related rights. Various forms that explain in detail the sub processes, various situations and required documentation will be included as part of the implementation of this policy.

Chapter 10

Part B- The KLE Tech Hubballi Intellectual Property (IP) Policy

10.1 IP Policy

This policy is applicable to all the KLE Tech Personnel—students, faculty, staff, researchers, project engineers, research assistants, interns, visiting scholars and CTIE staff members. Entrepreneurs, industry and external parties should be aware of KLE Tech’s IP policy if they are working with KLE Tech to generate IP, share or license IP or any other IP related activity. Ownership of IP when external parties are involved is also addressed in this policy.

KLE Tech personnel are entitled to decide if the results of any research undertaken by them in the course of their employment/ engagement with the KLE Tech shall be disseminated through publications or disclosed as they wish in accordance with normal academic practice. However, the concerned parties should be aware of the various Intellectual Properties that get created in the course of their research, collaborations and teaching that has potential for increased productiveness or break through development/inventions and creative activities as a means of effective communication and dissemination.

Under situations where a particular invention /development come under both the sub policies of Inventions vis-à-vis Expressions, the IP Inventions Policy will supersede. The KLE Tech’s decision to grant waivers to the creators from non-application of the IP policy is delegated jointly to the Dean Research and Development (Dean R&D) and Vice Chancellor of KLE Tech OR to IP Steering committee of KLE Tech which includes VC and Dean R&D.

- I **Ownership** The IP policy has to be accepted and signed by all KLE Tech Personnel. KLE Tech owns all the Intellectual Property (IP) that is produced by all KLE Tech personnel and external stake-holders who use significant resources of KLE Tech. Refer to the detailed relevant IP Inventions Policy (Part C) and Expression Policy (Part D) for exceptions. KLE Tech reserves

the right to apply for IP protection in India/throughout the world/specific countries for suitable protection of the IP generated. KLE Tech will also decide about the continued maintenance of the IP.

The policy also addresses scenarios where KLE Personnel are working with external parties when IP is generated jointly. The following scenarios exist

I-A) When IP is generated using KLE Tech's research facilities (significant resources) (Labs, workshops, software and computing systems) jointly by external party and KLE Tech personnel. In this case the IP rights are mutually agreed upon by KLE Tech and external party - before the start of the collaboration. IP rights shall be jointly filed by KLE Tech and external party. An agreement (Annexure 5) is signed regarding sharing of monetized value of IP.

I-B) When IP is generated by external party using research facilities (significant resources) of KLE Tech. In this scenario IP rights are mutually agreed upon by external party and KLE Tech - before the start of the collaboration, and an agreement (Annexure 5) is signed regarding sharing of monetized IP value. IP rights can be filed jointly by KLE Tech or a third party.

I-C) IP rights can be waived by KLE Tech when KLE Tech students and personnel generate IP while working with an external party and using their research facilities (significant resources) during the period of engagement with the external party. However, if the external party has no IP policy of its own and does not insist on IP rights, KLE Tech students and personnel can protect the IP generated by them during this period by filing for IP rights through KLE Tech and avail the benefits of the policy. If the external party insists on joint IP rights point I-B above can be applied.

Annexure 1 Gives an explanation of what constitutes significant resources.

II Disclosure KLE Tech encourages timely disclosure of all potential IP/Inventions/Innovations generated (conceived or reduced to practice in whole or in part) by members of the faculty or staff (including research staff, doctoral students, students and visiting scholars) of the KLE Tech and external stake-holders in the course of their KLE Tech related activities. KLE Tech identifies the relevant statutory and other mechanisms not limited to Patent, Copyright, Trademark, Design Rights, Integrated Circuit, Plant Varieties and rest towards registration. Disclosure enables prompt action by KLE Tech to appropriately protect and disseminate the research activities occurring at KLE Tech. All

requests/claims for IP must be routed through the office of Dean R&D, and appropriate approvals taken before-hand.

Annexure 2 Details the process of disclosure and protection of KLE Tech's Intellectual Property. All such disclosures are considered to be confidential.

III IP Licensing and Agreements KLE Tech understands the legitimate commercial needs and the security required in the form of IP especially for breakthrough technologies. KLE Tech strives to balance this critical requirement against the primary goal of academic and research dissemination leading to a practical usage of the technologies being developed. The licensing is done by KLE Tech by considering the evaluation, marketing, negotiations and licensing of the entire KLE Tech owned IP (Refer Annexure 4 for details and Annexure 5 for information on Agreements). In certain cases, KLE Tech might use the services of a third party for licensing the technology developed, under mutually agreed terms and conditions with such party, within the framework of the KLE Tech IP Policy.

IV Licensing Types The type of license provided will depend on the nature of the invention/innovation. KLE Tech, being an academic institute, encourages non-exclusive licensing towards wider deployment of innovations being developed at KLE Tech. Under certain exceptions, KLE Tech might consider exclusive licensing. In case of platform wide use of inventions / innovations and or where significant resources/effort have to be invested by the licensee in using the IP, KLE Tech might consider providing an application and/or region specific or a full scale exclusive license. Due-diligence, not limiting to business plan, business model, milestones and usage plan of the IP in discussion and other relevant information as required, would be undertaken, in order to determine the type of licensing to be provided. Licenses are provided to a company and not to an individual. License may be limited to that particular IP in discussion and not to its enhancements or modifications. Licenses provided are subject to periodic review including the working status and accessibility / availability of the IP used. Based on the review of the licensing activities, KLE Tech reserves the right to extend, modify or terminate the type of existing license provided.

- a) **License Exemptions** In case of both the inventor(s) and external party(ies) requesting for the license of the same KLE Tech owned IP at the same time, preference for licensing may be provided to the inventor(s) based on the nature of technology amongst other considerations.

Irrespective of the license provided, KLE Tech retains the right for research exemption and experimental use for patents, design rights and under fair use of copyrights and trademarks on an KLE Tech wide

perpetual license towards its basic objective of academics and enhancing research. This will include the right to publish, use of technical data, the method, product and related services that has resulted from earlier research which has been licensed for the activities mentioned earlier.

In the case of inventions by its faculty / students / research scholars / other KLE Tech Personnel under lien/sabbatical/visit/internship, KLE Tech exercises the right to the accesses of such IP created for the sole purpose of academic work and research under research exemption and fair use, being conducted within its jurisdiction. The stakeholders are encouraged to disclose the invention through appropriate invention disclosure form (IDF) of such developments during their external stay.

V Technology License/ Transfer Options KLE Tech recognizes the inventor(s)/creator(s) as a key component for successful commercialization process. KLE Tech shall use the following options to utilize the IP generated. Licensing may be made either directly to third parties or through incubation or through licensing agents. It is to be noted that the IP generated would preferably be licensed and not assigned. KLE Tech reserves its march-in rights in the case of assigned IP. Any licensing done by KLE Tech will be on an as is where is basis.

1 **Technology licensing** This would be as per the current policy and revenues earned will be shared with the inventor(s) in a 70 30 ratio. The 70% due to the KLE Tech inventor(s) will be distributed as per the separate inventors' agreement entered into between the inventors. In the case of multiple KLE Tech inventors, the default inventors' royalty share is done on an equal basis in the absence of an alternate revenue sharing agreement. Details of royalty sharing are given in Annexure 3. Salient features of the licensing include the following

i Preferred mode is Non Exclusive licensing. Exceptions to this will be based on the funding of the project and any other relevant requirements.

ii Exclusive license will be subjected to periodic review of license not limiting to usage status, application and/or region specific, royalty generation for continuing such license agreement.

2 **Incubation through Center of Technology Innovation and Entrepreneurship (CTIE)** KLE Tech inventors and community interested to incubate the technologies developed have an opportunity through CTIE. Salient features for CTIE incubation model include the following

- i Nature of license (exclusive, non-exclusive or transfer of know how) will be based on the nature of the technology developed and on any prior contract governing the IP to be licensed.
- ii Exit time review of the earlier license provided would determine the future mode of license.
- iii Exclusive licensing provided after exit from CTIE will be subject to periodic review based on various measures.
- iv For IP involving multiple inventors, a No-objection Certificate (NoC) from all the inventors concerned is a necessity for an exclusive license to be considered. In the absence of NoCs from all concerned, a non-exclusive license ONLY will be provided to the requester(s).

V Licensing through agents In some cases, KLE Tech might utilize the services of third party licensing agents and mechanisms for effective deployment of the technology developed. Salient features for third party licensing agents include the following

- i The nature of the licensing would be generally non-exclusive.
- ii Exclusive licensing will be subject to periodic review based on various measures. For an IP which has not been licensed to any party, the creator(s) may also contact potential licensee(s) on their own initiative, maintaining confidentiality and taking all necessary care so as not to affect the value of the IP, through appropriate agreements such as Non-Disclosure Agreement (NDA) with the potential licensee(s) during technology marketing discussions. If KLE Tech has not been able to commercialize the creative work in a reasonable time frame, the creator(s) may approach the Dean R&D for the assignment of rights of the invention(s) to them.

VI Infringements, Damages, Liability and Indemnity Insurance KLE Tech shall, in any contract between the licensee and KLE Tech, seek indemnity from any legal proceedings including without limitation manufacturing defects, production problems, design guarantee, upgrades, debug obligations and the content created. The policy also supports the need to indemnify KLE Tech personnel built into the license agreements for Sponsored research and consultative work. KLE Tech shall retain the right to engage in any litigation concerning its IP and license infringements.

VII Conflict of Interest The inventor(s) are required to disclose potential conflict of interest while undertaking any IP related activity. If the inven-

tor(s) and/or their immediate family have a stake in a licensee or potential licensee company then they are required to disclose the stake they and/or their immediate family have in the company. A KLE Tech license to a company in which the inventors also have a stake and management role shall be subject to the approval of the Dean R&D taking the above consideration into fact. All KLE Tech Personnel shall be bound by the conflict of interest related policy/ guidelines of KLE Tech as applicable from time to time.

VII Dispute Resolution In case of any disputes between KLE Tech and the inventors/ creators regarding the implementation of the IP policy, the aggrieved party may appeal to the Vice Chancellor of KLE Tech, and/or the IP Steering Committee. Efforts shall be made to address the concerns of the aggrieved party through the appointment of a committee of experts and the verdict of the Vice Chancellor is final.

IX Jurisdiction All agreements to be signed by KLE Tech will have the jurisdiction of the court in Karnataka and shall be governed by appropriate laws of India.

10.2 The Inventions IP Policy (Patents, Trademarks, Design rights and related)

1 Applicability & Requirements

This policy is applicable to all KLE Tech personnel as defined in the overall IP policy and their range of activities such as, but not limited to, teaching, research, distance education and modules, continuing education programme, consultancy, sponsored work, collaborative research (internal and external) and the range of inventions includes patentable subject matter, trademark/service mark, geographical indicators, design registrations, integrated circuits layout, plant varieties, materials transfer and other related necessary Confidential Information.

Evaluation of academic work associated with IP creation will be subject to KLE Tech norms as applicable from time to time. Any agreement with an external agency, which requires delay in public disclosure for the purpose of IP protection, should usually not have effect for longer than three months from the time of notification by KLE Tech to the said agency.

The applicability of the IP policy will be covered through appropriate forms to be filled by the KLE Tech personnel.

2 Relevant inventions and Ownership

Under this policy, title to such inventions including software where applicable, designs and integrated circuit layouts and patentable subject matter that are created in KLE Tech with the use of significant KLE Tech resources are assigned to and owned by KLE Tech, regardless of the source of funding, if any. In case the funding agency insists on IP rights, it shall be discussed before the start of the research and IP rights shall be shared with mutually agreed ratio.

All inventors/creators are required to ensure that an “inventor’s agreement” is filled at the time of submission of an invention disclosure to KLE Tech. This agreement would among other aspects, include ratio of sharing any revenue received from commercialization of the said technology amongst the KLE Tech inventors/ creators. Absence of such an agreement will be considered as equal sharing amongst the KLE Tech inventors/ creators.

3 Ownership exemption The possibility of exemption to ownership is given in the following cases and KLE Tech reserves the right to revise these exemptions on a case to case basis.

- i If the inventor / creator is not related with KLE Tech.
- ii If the inventor/creator has not used significant resources of KLE Tech. The inventor(s)/creator(s) are to submit the lack of using significant resources (as described in Annexure 1) for exemption purposes.
- iii If KLE Tech is not interested to take forward the disclosed invention/creation towards IP protection or through prior specific agreement.

In case of KLE Tech not protecting an IP, the inventor(s)/ creator(s) are provided with the permission to protect the same in countries of their choice.

4 Externally Funded /Collaborative Development For the relevant invention(s) including software, designs and integrated circuit layouts, produced during the course of a sponsored and/or collaborative activity(internal/external),specific provisions related to IP made in contracts governing the collaborative activities are to be referred along with this policy. Cases where confidential data and results are to be used by the KLE Tech for its academic and research work, exclusive access to the relevant project members have to be provided. Relevant faculty, students and researchers who would contribute in such projects are to be duly notified of potential delay in approval for publication, academic and research related activities before accepting such project proposals. Based on such agreements assigned by KLE Tech, the following scenarios are envisaged

- i KLE Tech is the sole owner of the IP generated from the funding provided.
- ii The IP generate disowned jointly with the collaborative partner having the first rights of refusal towards commercialization.
- iii In the case of a collaborative/multiple consortium based IP generation, the IP terms of such agreement is to be considered along with the policy. In the absence of any specific mutually agreed IP agreement in such cases, KLE Tech follows its IP policy.
- iv KLE Tech can assign the IP generated, to the funding agency based

on the nature of the technology, funding and specific applications.

Under all circumstances, KLE Tech always reserves the right to use the IP generated for its academic and research purposes.

5 Design Rights

The design right for a created component (physical or graphic, any dimension) follows the IP inventions policy as indicated in this section.

6 Trade Mark(s)/ Service Mark(s)

The logo of KLE Tech would be the trade mark of the KLE Technological University. It is to be noted that the logo of KLE Tech cannot be used on any of the private communication of any of the KLE Tech personnel. Official activities that are part of the officially recognized bodies of KLE Tech, web pages hosted on the KLE Tech domain, project websites and reports in which KLE Tech is a project member, student thesis are allowed by default to have the KLE Tech logo. The usage of the KLE Tech logo, KLE Tech name in full or partial for all other activities has to get due approval of KLE Tech.

7 Material Transfer Agreements (MTAs)

This agreement is of relevance to activity which requires a physical material access for research. KLE Tech follows a material transfer agreement aligned with its academic and research needs. The MTA is used for both KLE Tech to provide a material (typically biological) to any other external party and also to request any material from external agency. Such agreements are to be finalized in consultation with KLE Tech for all materials transferred to and from external agencies.

* * End of Inventions related IP Policy* *

10.3 The Expressions IP Policy (Copyrights related)

1 Applicability & Requirements

This policy is applicable to all KLE Tech personnel as defined in the overall IP policy and their range of activities during their engagement with KLE Tech such as, but not limited to, teaching, research, distance education, continuing education, consultancy, sponsored work, collaborative activity

(internal and external), KLE Tech designated or sponsored work (academic, cultural) and the range of creations includes copyright able works and related necessary confidential information.

This sub policy is limited to the “literal” component of any deliverable and patentable / “inventions”- related content will be under the purview of the IP inventions policy. As an example, thesis under the copyright policy of KLE Tech refers only to the literary work of the thesis.

Evaluation of academic work associated with IP creation will be subject to KLE Tech norms as applicable from time to time. Any agreement with an external agency, which requires delay in public disclosure for the purpose of IP protection, should usually not have effect for longer than three months from the time of notification by KLE Tech to the said agency.

2 Relevant inventions and Ownership

Title to such creations including literary works, software, music, cinematography, sound and other rights covered under the Copyright Act of India, 1956 and amendments thereof, where applicable, that are created in KLE Tech with the use of significant KLE Tech resources under this policy are assigned to and owned by KLE Tech.

KLE Tech is the owner to the administrative and other documents created as part of designated work. Examples include course outline documents, question papers, answer sheets, grade ranking sheet, and other such creations. All the creations are required to ensure that the “inventors’ agreement” is filled at the time of submission to KLE Tech. This agreement would among other aspects, include ratio of sharing of any revenue received from commercialization of the said creation. Absence of such an agreement will be considered as equal sharing amongst the creators.

3 Ownership exemption

Exemption to ownership is given in the following cases and KLE Tech reserves the right to revise these exemptions on a case to case basis. Copyright being present by default on any material being created, the policy provides the following ownership exemptions to the various creations that occur as part of KLE Tech personnel’s activities. The copyright ownership is treated separately for the various creations identified.

Teaching/ Course material

- ¹ KLE Tech acknowledges that the author is the owner of teaching

- materials created for teaching purposes during author's engagement with/stay at KLE Tech.
- 2 As most of the course content is created cumulatively and in order to enable a wider usage and distribution of the teaching materials created, KLE Tech by default gets a license to the copyright and all other rights of the content created by the creator for fair dealing under academic and research context.
 - 3 KLE Tech is not liable for any of the copyright violations by its personnel for the content created. The author is expected to carry out due diligence in the course of content creation.

Thesis

- 1 The student is the original creator of the thesis, fine-tuned with relevant contribution of the supervisor(s) and the copyright authorship rests with the student creator.
- 2 The ownership is jointly held by the student creator and the supervisor(s) concerned. The supervisor(s) can waive off their joint ownership if desired. Relevant forms will be made available for such waivers.
- 3 The supervisor(s) is (are) required to sign off at the time of the thesis submission, indicating the commercial/potential commercial/no commercial value of the work concerned.
- 4 KLE Tech reserves the right to identify potential IP generated through the submitted thesis and protect such identified IP before displaying the thesis in public domain. KLE Tech gets a non-exclusive, non-commercial license for the display and use of the thesis for academic and research purposes.
- 5 In the case of a thesis resulting from external funding, the joint ownership of the thesis extends to the external supervisor(s). Pending any specific agreement, the IP and Copyright policy of KLE Tech will be applicable by default in such cases.
- 6 Both the student and the faculty supervisor(s), where applicable, have the right to first refusal for any further adaptations and other derivative work that is intended to be done by either of the parties. They are given three months' time from the day the official request submitted, to exercise their right to refusal. The official request should include at the minimum the adaptations identified.
- 7 Failure to respond within the time duration of three months will be

deemed to be an acceptance of the proposal presented. Either party can approach KLE Tech towards the resolution. The Vice Chancellor of KLE Tech authorizes the formation of a panel under the Dean R&D for a resolution process.

- 8 Irrespective of any agreement, KLE Tech reserves the right to use the thesis for educational and research requirements. KLE Tech may not prefer the use of NDA for its thesis evaluation.
- 9 KLE Tech gets an automatic right to display the thesis in soft and hard forms

Books, articles and related literary works

KLE Tech encourages its personnel to spread knowledge and books, technical articles etc. are ways in which this vision can be achieved. In this respect, KLE Tech does not claim ownership of copy right on books authored by KLE Tech personnel. In cases where the books are related to the multiple research groups / faculty teaching the course in the KLE Tech, it is expected that the interested author shall get the relevant on objection certificate from co-authors/ other contributors.

Use of KLE Tech logo on any personal publications by the faculty/staff/student is prohibited. In cases of KLE Tech designated works and other works like the content development programme, the ownership rests with KLE Tech.

Students who wish to publish their thesis, prior to submission for an academic degree, as a book or any other type of publication are required to seek a prior written approval from Dean R&D -KLE Tech.

* * End of Expressions related IP Policy* *

10.4 Annexure

Annexure 1

Defining parties concerned and significant usage

In addition to faculty and staff (including project staff), the provisions of the KLE Tech's IP policy will extend to all students, research scholars and post-doctoral fellows, non- employees who participate or intend to participate in research projects at KLE Tech (including visiting faculty, industry personnel, visiting students, fellows, etc.) either in a direct or indirect relationship with KLE Tech or through any related activity.

- 1 Use of library facilities, internet connectivity, and occasional use of office equipment and office staff will not be considered “significant use” of KLE Tech facilities and equipment. In addition, the following are accepted as no significant usage of KLE Tech resources
- 2 The inventor does not use any KLE Tech provided funds or KLE Tech administered funds in connection with the activity resulting in generation of IP.

Prior disclosure by the inventors of any intellectual property that closely resembles a specific research project at the KLE Tech, together with an explanation that such intellectual property did not arise through use of KLE Tech resources.

The KLE Tech requires the individual to provide supporting documentation towards the claim of no significant use of the KLE Tech resources and reserves the right to grant appropriate waivers. It is to be noted that in the event of further development or modifications to an earlier individual work by making significant use of KLE Tech facilities, resources and related funding, KLE Tech may assert further rights in accordance with its IP policies.

Access to facilities for external registered students is limited to their related research and is bound by the IP policy of KLE Tech.

Annexure 2

Disclosure, Assessment and Protection

For all invention(s) produced at KLE Tech University, the inventor(s) who are KLE Tech Personnel are required to disclose the creative work to the IP Coordinator or Department IP representative at the earliest date using an Invention Disclosure form (IDF) of the KLE Tech. Disclosure is a critical part of the IP protection process and it formally documents claims of inventorship, the date of the invention and other details of the invention. The inventor(s) shall assign the rights of the disclosed invention to KLE Tech.

For sponsored activity, the provisions of the contract pertaining to disclosure of creative work are applicable. For IP generated collaboratively with an external agency disclosure process can be adopted, however the IP rights shall be mutually agreed upon.

All KLE Tech personnel and non-KLE Tech personnel associated with any activity of KLE Tech shall treat all IP related information which has been disclosed to the KLE Tech and/or whose rights are assigned to KLE Tech, or whose rights rest with KLE Tech personnel, and/or whose rights are jointly owned as confidential. Such confidentiality shall be maintained till the date as demanded by the relevant contract, if any, between the concerned parties unless such knowledge is in the public domain or is generally available to the public.

In order to expedite and complete the procedural and legal formalities of IP protection, all inventors / creators of KLE Tech are required to sign such identified documents and provide assistance to empower and enable KLE Tech to complete these statutory requirements within stipulated time.

Assessment of Inventions /Innovations for protection

The KLE Tech shall assess the patentability of the invention and make one of the following recommendations

- 1 KLE Tech shall take the responsibility of protection of the IP, in which case, KLE Tech will initiate appropriate processes.
- 2 In the event of KLE Tech not taking up the responsibility of protection of the IP, the inventor/creator(s) may then choose to protect the IP on their own. However the ownership rights shall remain with KLE Tech. In such cases, the cost and revenue sharing will be governed by a separate agreement between KLE Tech and the inventor / creator(s).
- 3 Filings of IP Applications in foreign countries Within a reasonable

period of filing the complete IP application in India, KLE Tech shall, based on available information decide on the suitability of protection of the invention in foreign countries.

- 4 If KLE Tech opts not to undertake such protection in any specific country requested by the inventor(s), the creator(s) may then choose to protect the creative work on their own. However the ownership rights shall remain with KLE Tech. In such cases, the cost and revenue sharing will be governed by a separate agreement between KLE Tech and the inventor /creator(s).

Renewal of IP Rights

A decision on the annual renewal of IP rights will be taken by the KLE Tech. If KLE Tech decides not to renew the IPR in any country, then it may assign the rights of the IP in that country to the creator(s) based on a request to that effect from the creator(s) and an internal review. In all cases where IP rights in any specific country have been reassigned to the inventor(s), KLE Tech shall not claim any share of proceeds earned through that IP in that country excepting for the costs already incurred by KLE Tech.

Annexure 3

Revenue Sharing

Net earnings from the commercialization of IP owned by KLE Tech would be shared as follows

- 1 The inventor(s)/creator(s) share would be declared annually (or as revenues are received) and disbursement will be made to the inventor(s)/creator(s), their legal heir, whether or not the inventor(s)/ creators are associated with KLE Tech at the time of disbursement.
- 2 The revenue sharing ratio between the inventor team and KLE Tech will be a fixed 70 30 in favor of the inventor team. IP protection costs will be part of the license revenue sharing agreement between KLE Tech and inventor(s).
- 3 Where applicable and when KLE Tech reassigns the rights of the IP to its creator(s) for any country, the cost and revenue sharing will be governed by a separate agreement between KLE Tech and the inventor / creator(s).
The inventors may at any time by mutual consent revise the distribution of IP earnings agreement.

Annexure 4

Role of Dean R&D

Dean R&D KLE Tech provides guidance, support and resources to all KLE Tech personnel and facilitates protection and deployment of intellectual property. In achieving this goal, Dean R&D creates awareness about the importance and role of IP Rights, implements the IP policy, ensures transparency and fairness of implementation processes, solicits feedback regarding the fulfillment of the IP policy and periodically reviews the Policy to improve upon any shortcomings, strengthens the infrastructure and resources for protection and exploitation of IP and makes available expert inputs.

Issues of ownership, confidentiality, disclosure, patentability, technology transfer, revenue sharing, and conflict of interest among others play a very important role in any IP management and workshops/meetings are conducted by the KLE Tech to enhance awareness on related issues. Dean R&D also provides templates and guidelines for the contracts, agreements and MOUs governing the effective exploitation of the IP produced by KLE Tech. All such agreements and matters relating to claims, filing, confidentiality, infringements, damages, liabilities and compliance are administered by Dean R&D.

Annexure 5

Contracts and Agreements

All agreements including but not limited to the following categories, for activities undertaken by any KLE Tech personnel need to be approved by KLE Tech.

- 1 Non-disclosure Agreement
- 2 License Agreement
- 3 Technology Transfer Agreement
- 4 Collaborative MOU with University / Organisation

Dean R&D acts as the final signing authority in all categories of agreements listed above. Dean R&D facilitates the process of framing such agreements by way of providing templates and services through professional consultants.





Extract of minutes of 1st Research Council meeting held on 13th May 2016

Agenda RC1.1: To consider and approve the proposed objectives of the Research Council, as per functions defined in the statutes of KLE Technological University (Item no. 18.8) and approved Research, Consultancy and IPR policy of the KLE Technological University.

Resolution RC1.1: Resolved to approve the proposed objectives of the Research Council of KLE Technological University.

Sd/-

Member Secretary
Research Council

TRUE COPY

REGISTRAR
KLE Technological University
HUBBALLI-580 031



Number of research projects per teacher funded by government and non-government agencies during the last five years

(Click on **Name of the research Project** to access e-copy of grant letter, Click on **Home** icon to return to home page)

Name of the Scheme/Project/ Endowments/ Chairs	Name of the Principal Investigator/ Co Investigator (if applicable)	Name of the Funding agency	Type (Government/ Non-Government)	Year of Award
				2019-20
Enhancing learning through Virtual Reality.	Dr.B B Kotturshettar , Mr. Vinay Tigadi	Dassault System	Non Government	2019-20
Automatic Storage and Retrieval System.	Dr.Sachin Karadagi	Dassault System	Non Government	2019-20
Humanoid Robot.	Prof.A C Giriyapur	Dassault System	Non Government	2019-20
Nutritional Profile and Metagenomics Insights of Microbial Diversity of Nuchhu Ambli- a millet-based traditional Fermented Food of North Karnataka.	Dr.S V Desai	VGST - K-FIST- Level 1.	Government	2019-20
Building awareness on IPR for MSME –IPEC.	Dr Ravi Guttal Mr.Vinay Tigadi	MSME	Government	2019-20
RPS – Retrofitting of RCC Structures using new generation fibres.	Dr.Manojkumar Chitawadgi	AICTE- RPS- 2019-20	Government	2019-20
Enabling wireless technology: Software defined Radio (SDR) applications.	Dr.Suneeta Budihal	AICTE- STTP- 2019-20	Government	2019-20
Shape Representation, Reconstruction and Rendering of 3D Models.	Dr.Uma Mudengudi	AICTE- RPS- 2019-20	Government	2019-20
Evaluation of Nano bacterial cellulose based packaging on shelf life of Tomato.	Dr.Ashok Sajjan	UAS Dharwad	Government	2019-20

KLE Technological University

				2018-19
Crowd sourcing framework for digital archiving and presentation of cultural heritage.	Dr.Uma M\ Dr.Meena S M Dr.Shankar G	DST/ICPS IHDS - 2018	Government	2018-19
Digital Poompuhar: Underwater IP and 3D Reconstruction.	Dr.Uma M Dr.Shankar G	DST/ICPS DP - 2017	Government	2018-19
Smart Water Management System.	Dr.Saroja V S	VGST	Government	2018-19
Development of membranes for ethanol purification for fuel.	Dr.Ashok Sajjan Dr.N R Banapurmath	UAS Dharwad	Government	2018-19
				2017-18
3D Reconstruction using Drone Images.	Dr.Uma M	Samsung Research Institute Bengaluru	Non Government	2017-18
Development of novel Nano composite hybrid polymer membranes for evaporation separation of water from industrial waste organic solvents.	Dr.Ashok Sajjan	VGST –KFIST Level II	Government	2017-18
Smart system for early detection of plant diseases and PEST infestation.	Dr.Prakash R Patil	UASD	Government	2017-18
Establishing the facility for Nano technology for structural and energy engineering applications.	Dr.S S Quadri	KFIST – VGST	Government	2017-18
				2016-17
Restoration of Motion Blur and Image Super Resolution for ADAS.	Dr.Uma M	Continental	Non Government	2016-17
Economical production of Eco friendly Bioplastic material for packaging segment.	Dr.Jayachandra S Y	BBC - KBITS	Government	2016-17
BiSEP project.	Dr.L R Patil	BiSEP	Government	2016-17
Prototype Aerial Sprayer.	Dr.P R Patil	UASD	Government	2016-17
Development of membrane filter technology for increasing heat efficiency of biogas for power generation.	Dr.N R Banapurmath Dr.Ashok Sajjan	UAS Dharwar	Government	2016-17

				2015-16
Gesture based virtual walkthrough of digital heritage sites – Hampi.	Dr.Uma M	DST	Government	2015-16
Robust Horizon detection.	Dr.Uma M	DRDO	Government	2015-16
Development of membrane filter technology for increasing heat efficiency of biogas for power generation.	Dr.N R Banapurmath Dr.Ashok Sajjan	UASD	Government	2015-16



Donation Receipt

Date: - 04-10-2019

Received with thanks

From Dassault Systemes Foundation

(a Company incorporated under Section 8 of the Companies Act, 2013, and having its Registered Office at Plant 11, Pirojshanagar, Vikhroli (West), Mumbai – 400 079. CIN: U72900MH2017NPL302013. Hereinafter referred to as "DS Foundation")

Rs. 10,00,000/- (Rs. Ten Lakhs Only)

By Electronic Transfer (Processing Date: 27th September 2019)

as Donation to support, Project 'Enhancing learning through virtual reality – For Pumps and Turbo Machinery', as per Sponsorship Agreement between Dassault Systemes Foundation and "KLE Technological University" dated 23rd Sep 2019

(Ref: DSF Contract ID: 26/2019). DSF Project ID: IN-2019-026.

PAN number of KLE Technological University is AACA K9702A

Thanking you.

With regards,

Dr B B Kotturshettar

HEAD

School of Mechanical Engineering
KLE Technological University, HUBBALLI-31.
KLE Technological University, Hubballi, Karnataka





महाराष्ट्र MAHARASHTRA

© 2019 ©

AV 146797

क्र. 75759 दि. 18 DEC 2019 500/-
 मु. शु. रकम...
 कंपनी करार
 दरताचा प्रकार
 दस्त नोंदणी करणार आहेत का? होय/नाही.
 मिळकतीचे वर्णन
 पुढांक विकत घेणाऱ्याचे नांव डॉ. आर. एच. लिमये
 पत्ता हिजवडी पुणे
 दुसऱ्या पक्षकाराचे नांव KLE Technological University
 हस्ते व्यक्तीचे नांव व पत्ता पुणे
 पुढांक विकत घेणाऱ्याची सही
 सौ. आर. एच. लिमये
 परवाना क्र. 2209096
 3, शुक्रवार पेठ, पुणे-411002



SPONSORSHIP AGREEMENT

This Sponsorship Agreement (Agreement) is made on _____ ("Effective Date")

By and between

Dassault Systemes Foundation, a Company incorporated under Section 8 of the Companies Act, 2013, and having its Registered Office at Plant 11, Pirojshanagar, Vikhroli (West), Mumbai – 400 079. CIN: U72900MH2017NPL302013 | Tel: +91-22-67056001 | Fax: +91-22-67056891; represented by Mr. Sudarshan Mogasale – in his capacity as Chairman of the Board of Directors (Hereinafter referred to as "DS Foundation")

And

KLE Technological University, Hubballi, Karnataka, situated at **Vidya Nagar, Hubballi 580 031 Karnataka**, established in the year 1947, is an Educational Institute represented herein by Dr B Kotturshettar in his capacity as Head, School of Mechanical Engineering of the University. **(Hereinafter referred to as "Partner")**

Hereinafter individually called as "Party" or collectively called as "Parties"

Whereas,

A) Dassault Systemes Foundation is dedicated to transforming the future of education and research with the learning and discovery capabilities of 3D technology and virtual universes. Dassault Systemes Foundation supports projects in India to bring about transformation in Education and Research. It is working with the objective to improve engineering skills and support innovation in Indian Academia/ Research Centres, to accelerate education transformation, to encourage scientific research, to encourage vocation for science and engineering among young people and to support education programs for Underprivileged & Specially abled citizens. Dassault Systemes Foundation will help teachers, learners and scientist to leverage the power of 3D virtual world to stretch the limits of knowledge and to invent new ways to pass on this knowledge to current and future generations of Indian thinkers, inventors, builders and leaders.

B) PARTNER - KLE Technological University, Hubballi, is dedicated to offer distinctive curriculum to students that meets highest standards of excellence, generation and application of new knowledge through research and creative endeavors.

KLE Technological University aims to enable and grow disciplinary and inter-disciplinary areas of research, that build on present strengths and future opportunities, aligning with areas of national strategic importance and priority. **KLE Technological University** is actively engaged in Socio-economic development of the region, by contributing expertise, experience and leadership, to enhance competitiveness and quality of life.

The Partner hereby certifies to Dassault Systemes Foundation that the Partner:

- Is a body of general interest, registered as per applicable laws
- Pursues non-profit making aims,
- Is selflessly managed,
- Does not exist for the sole benefit of a circle of people.

Dassault Systemes Foundation wishes to support **KLE Technological University**, by way of financial contribution, and the Parties hereto have consequently agreed to enter into this sponsorship agreement (hereinafter the "**Agreement**").



NOW THEREFORE THE PARTIES HERETO AGREE AS FOLLOWS:

PARTNER'S PROJECT

A team of professors and students from **KLE technological University** wishes to implement project titled "**Development of Humanoid Robot and its digital twin using 3D Experience Platform to enhance interdisciplinary teaching and learning**".

Objectives of the Project

- To build an open-source Humanoid Robot framework using 3DEXPERIENCE Platform and develop learning curriculum to teach design of Humanoid Robot, to enhance interdisciplinary teaching and learning

Scope of the Project

- Build an open-source Humanoid Robot platform.
- Develop the hardware and software framework for it. It involves a humanoid robot platform consisting of a wheeled base and a torso with two arms and head.
- The humanoid can navigate using the wheels and has two arms with 4 DOF each. Each arm has a gripper at its end.
- The humanoid can do the sense-plan-act tasks. It will also have facilities to build intelligence to do higher level tasks such as planning, localization and navigation.
- Build the digital twin of the humanoid in 3D EXPERIENCE Platform.
- Develop a dedicated course, curriculum and 3D content on "Designing a Humanoid Robot and its applications", which can be shared and adopted by various institutes.
- Enhance interdisciplinary curriculum through learning content development.

Significance of the Project

- Development of course for engineering students to teach "Designing a Humanoid Robot and its applications", which is essential new skills for students to be ready for future trends.
- The humanoid robot will be developed as an open source platform for teaching several interdisciplinary courses & for research.
- Integration of Virtual plus physical behaviour for Humanoid Robot using 3DEXPERIENCE Platform including kinematics and Systems engineering.
- Through this help creation of a platform for engineering institutes who wants to implement robotics and also further the research in AI for robotics

Outcomes of the Project

- Well defined fully functional humanoid robot with AI framework, DIY kit, learning content
- Development of 3D Digital models, system behaviour, simulation studies to develop 3D digital learning experience for the students
- Develop laboratory exercises using the platform in AI for robotics laboratory
- Inclusion of this learning experience in the curriculum in a phase wise manner
- Access to the humanoid robot and the learning content will be provided to other institutes as well



Learning Opportunity for students

- Design of integrated systems, 3D design, Systems Engineering, robotics and automation simulations
- How to design a humanoid robot, configure it for specific applications involving human-machine integration
- How to link AI with humanoid robot's decision algorithm for sense-plan-act tasks
- The project will help students in learning the design of complex systems comprising of various subsystems and components, achieving higher levels of learning

Digital Content which will be developed

- Digital 3D content including simulation for humanoid robot
- Develop comprehensive learning/ teaching content in digital form for design and development of humanoid robot and one semester subject curriculum
- Open source platform for Humanoid robot

Planning/ Schedule: Project completion duration: 12 months from the date of signing.

The Partner agrees to share all the content created or developed (including but not limited to findings of the project, analysis results, digital contents, syllabus design and teaching materials) as part of this project, to Dassault Systemes Foundation and will allow Dassault Systemes Foundation to use and share it with other institutes.

(Hereinafter the "Project")

ARTICLE 1. PURPOSE OF THE AGREEMENT

The Parties have entered into this Agreement in order to define the terms and conditions pursuant to which Dassault Systemes Foundation is supporting the Partner within the framework of the Project by providing a financial contribution.

ARTICLE 2. FINANCIAL CONTRIBUTIONS OF THE DASSAULT SYSTEMES FOUNDATION

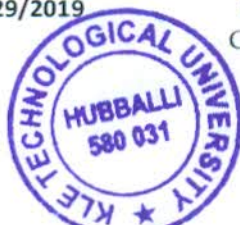
Dassault Systemes Foundation shall make, financial contribution of **Rs. 8,50,000/-** (Rs Eight Lakhs Fifty Thousand)

This financial contribution made by Dassault Systemes Foundation:

- 1) Shall be utilized by the **Partner** solely for the purpose of the **Project** and will be used as per the break-up provided in the Application Form submitted by partner/college and such relevant extracts are annexed hereto (**refer annexure A**)
- 2) Shall **not** be used to purchase licenses or access rights on Dassault Systemes offerings

Partner will provide details of the items purchased or expenses made out of the financial contributions and submit corresponding receipts or bills as applicable. In cases where such receipts cannot be furnished, suitable declaration shall be submitted by the Partner.

Partner agrees to allow Dassault Systemes Foundation to use the facilities developed by partner as part of this project; for any activities foundation wishes to carry out in future.



The contribution shall be One-time payment by Dassault Systemes Foundation, which should be made within four to six weeks from effective date of the agreement

Dassault Systemes Foundation will be allowed to audit usage of the funds provided by Dassault Systemes Foundation for the stated purpose.

The contribution amount shall appear on the tax receipt to be issued by the Partner no later than 30 days following the receipt of funds.

The request for funds and the tax receipt shall be addressed to:

Dassault Systemes Foundation

Hemant Gadgil
Plot No. 15/B, Pune Infotech Park,
M.I.D.C. Hinjewadi, Phase 1,
Taluka Mulshi,
Pune 411 057, India

A copy of the request for funds shall be sent at the following email address:
Hemant.Gadgil@lafondation3ds.in

ARTICLE 3. DUTIES OF THE PARTNER AND CREDITS

The Partner agrees to:

- 1) Allocate the sums disbursed under this Agreement to the Project, and shall provide itemized expense receipts to Dassault Systemes Foundation within **90 days**.
Dassault Systemes Foundation may audit the use of funds by the Partner from time to time in its discretion. Dassault Systemes Foundation representatives reserve the right to visit project site as and when required to monitor progress of the project.
- 2) Assign Project Manager for successful execution of the Project in a timely manner.
- 3) In the event if research scholars assigned by partner to work on this project, leave the project before completion of the scope, partner takes responsibility of assigning the research scholars in time and complete the scope of the project.
- 4) To ensure that all the infrastructure installed / used for the "Project" is handled with utmost care, is protected to the same extent that partner would protect its own property.
- 5) Share the know-how and learnings from the Project with other learners and related communities.
- 6) Prepare a report after the project duration is completed or at year end, whichever is earlier, and submit a certified copy to Dassault Systemes Foundation.
- 7) The partner shall ensure completion of project as per timelines mentioned in the Agreement.

The Partner agrees to send to Dassault Systemes Foundation a minimum of five photographs, relevant documents illustrating the Project. The Partner grants Dassault Systemes Foundation the right to use the photographs, to have them used directly or indirectly, to reproduce, represent, display and download them, to insert them in any communication medium related to the activities of Dassault Systemes Foundation (digital, paper, audiovisual or otherwise) or to have them inserted in a communication medium by a third party under the same conditions. These rights are granted on a worldwide basis and for the duration of protection of these photographs by copyright law.



The Partner confirms to Dassault Systemes Foundation that it obtained from all third parties (individuals or companies) all the necessary permissions to authorize the use of the aforementioned photographs by Dassault Systemes Foundation under the conditions defined above, including approval by those third parties for the use of their image on the photographs as defined above.

The Partner may include in its promotional materials and website, the mention that the Project has been made possible with the financial support of Dassault Systemes Foundation. Dassault Systemes Foundation shall provide, where necessary, logos to insert in the necessary formats. Partner shall not use Logo, trademark or any intellectual property of Dassault Systemes Foundation without express written consent of Dassault Systemes Foundation and the same shall be obtained after following due process specified by Dassault Systemes Foundation.

ARTICLE 4. RIGHTS AND LICENSE TO USE

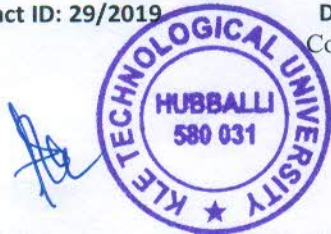
The Partner hereby grants the Dassault Systemes Foundation, for non-profit and educational purposes, a non-exclusive, royalty-free, worldwide, perpetual, irrevocable and sub licensable right and license to use, execute, reproduce, display, perform and distribute, in whole or in part, and create derivative works of, and authorize others to do any of the foregoing, any educational materials (including but not limited to curricula, lesson plans and teaching materials) created or developed by the Partner in connection with the Project (the "Licensed Materials"). Further, the Partner shall promptly and fully furnish the Licensed Materials to the Dassault Systemes Foundation upon the completion of the Project. The Partner confirms and warrants that it has all rights necessary to provide the license granted in this subsection.

ARTICLE 5. SINGLE POINT OF CONTACT

Each party shall appoint their representative as a Single Point of Contact (SPOC) for better coordination between the two parties

SPOC details:

For: Dassault Systemes Foundation Name: Hemant Gadgil Address: Dassault Systemes Foundation Plot No. 15/B, Pune Infotech Park, M.I.D.C, Hinjewadi Phase-I, Taluka Mulshi, Pune 411 057 Ph: +91 (20) 6793 6600 Email id: Hemant.Gadgil@lafondation3ds.in
KLE technological University Name: Arunkumar C. Giriyapur Title:- Associate Professor Address: Department of Automation & Robotics KLE Technological University, BVB Campus, Vidyanagar, Hubli - 580031 Ph: 9449052209 Email id: aaron@kletech.ac.in



Each party shall notify the other of any modification in writing in case of change in the above SPOC.

ARTICLE 6. TERM

- 1) This Agreement shall be effective from the 'Effective Date' and shall be valid for duration of three years.
- 2) During this term or any renewal term, either party may terminate this agreement upon sixty (60) days prior written notice to the other party, if any party is in breach of any material provision of this agreement and such breach is not cured within fifteen (15) days after written notice thereof is received by the breaching party.
- 3) In the event of termination of this agreement prior to expiry of the defined term, Dassault Systemes Foundation shall have no obligation to provide further funding to the partner and partner may continue to execute the project at its own cost.

ARTICLE 7. MISCELLANEOUS

This Agreement represents the entire agreement between the Parties in relation to the subject matter set forth hereunder, and replaces and supersedes any and all prior letters, proposals, offers and agreements with respect to similar subject matter. This Agreement may solely be amended by written agreement signed by the Parties and dated later than the date of signature of this Agreement.

The failure by either Party to enforce any default hereunder shall not be deemed a waiver, release or discharge of any subsequent default.

In the event any provisions of this Agreement are declared null, void or unenforceable by application of a law, regulation or further to a final decision of any competent judicial or administrative authority, the remaining provisions hereunder shall remain in force and effect.

The contracting Parties shall not be deemed to have entered into a partnership, joint venture or similar agreement by virtue of the provisions hereunder.

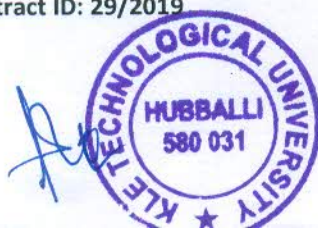
Unless specifically authorized in writing by the other Party, neither Party shall be deemed to be acting in any capacity whatsoever as representative of the other Party.

Neither party shall be liable for any non-performance of its obligations pursuant to the Agreement resulting from an event of force majeure as defined under applicable laws. If the performance of any of the obligations under this Agreement is prevented, restricted or interfered with by reason of fire or other casualty or accident, floods, strike or other violence (not due to any act, neglect or default of the party to Agreement), war or other violence, any law, or regulation of any government, governmental delay, or any act or condition whatsoever beyond the reasonable control of party to Agreement shall be called a "Force Majeure" event.

ARTICLE 8. GOVERNING LAW AND JURISDICTION

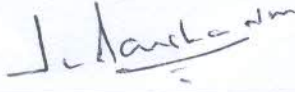
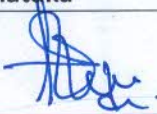
This Agreement shall be governed by laws of the Republic of India.

In the event the Parties fail to resolve any dispute related to the subject matter set forth herein within a reasonable time, the dispute shall be referred to for Arbitration in terms of the Arbitration and Conciliation Act 1996 or any statutory modifications thereto the place of Arbitration shall be Mumbai.



The relevant courts of the city of Mumbai shall have jurisdiction over any matter arising out of this Agreement.

IN WITNESS WHEREOF the Parties have caused this Sponsorship Agreement to be executed the day and year first herein above written.

For and on behalf of Dassault Systemes Foundation	For and on behalf of KLE technological University, Hubballi, Karnataka
	
Name: Sudarshan MOGASALE	Name: Dr. Ashok Shettar
Designation: Chairman of Board of Directors Dassault Systemes Foundation	Designation: Vice-Chancellor, KLE Technological University
Date:	Date:



Annexure A

Financial contribution made by Dassault Systemes Foundation will be used by partner for following activities / purchase of equipment needed for the project

#	Funding as requested by partner for (Equipment, Activities)	Quantity	Indicative Price In Rs
1	Dynamixel Motor XM430	4	124,000
2	Dynamixel Motor MX28T	5	125,000
3	Dynamixel Motor XM540-W150	3	150,000
4	Intel Real sense camera D435i	1	30,000
5	2D Logitech C922 Camera	1	10,000
6	3D Printing of the body	-	15,000
7	Intel NUC - i5, 8th Gen,16GB, 500GB	1	45,000
8	Intel Neural Stick 2	1	12,000
9	4 inch LCD Screen for Face	1	3,500
10	Nvidia AGX Xavier - with accessories	1	65,000
11	10inch Touch Screen display	1	10,000
12	Mechanical Support structure	-	12,000
13	SMPS Power supply	2	16,000
14	Li ion Battery Pack 24V, 12V	2	16,000
15	Battery Management System Boards	2	24,000
16	RP Lidar A3 360 Degrees Laser Scanner	1	62,000
17	Grippers for hands	2	60,000
18	Power Converters	4	32,000
19	Speakers	2	3,000
20	Miscellaneous	-	10,500
21	Contingencies	-	25,000
	Total		8,50,000/-

Partner agrees to provide access and allow use of hardware infrastructure which will be set-up using this financial contribution to Dassault Systemes Foundation and its partners for study, learning, research purpose.





Donation Receipt

Date: 16-01-2020

Received with thanks

From **Dassault Systemes Foundation**

(a Company incorporated under Section 8 of the Companies Act, 2013, and having its Registered Office at Plant 11, Pirojshanagar, Vikhroli (West), Mumbai – 400 079. CIN: U72900MH2017NPL302013. Hereinafter referred to as “DS Foundation”)

Rs. 8,50,000/- (Rupees Eight Lakhs Fifty Thousand)

By Electronic Transfer (on 14th January 2020)

as Donation to support, Project Executed by us, as per **Sponsorship Agreement** between **Dassault Systemes Foundation** and “**KLE Technological University**” dated 7th January 2020 (Ref: DSF Contract ID: 29/2019, DSF Project ID: IN-2019-039)

Contributions made to **KLE Technological University** are eligible for Income Tax Deduction u/s 80G of Indian Income Tax Act 1961.

PAN number of **KLE Technological University** is AACAK9702A.

Thanking you.

With regards,

Ashok Shettar
Vice Chancellor





Donation Receipt

Date: 16-01-2020

Received with thanks

From **Dassault Systemes Foundation**

(a Company incorporated under Section 8 of the Companies Act, 2013, and having its Registered Office at Plant 11, Pirojshanagar, Vikhroli (West), Mumbai – 400 079. CIN: U72900MH2017NPL302013. Hereinafter referred to as “DS Foundation”)

Rs. 8,50,000/- (Rupees Eight Lakhs Fifty Thousand)

By Electronic Transfer (on 14th January 2020)

as Donation to support, Project Executed by us, as per **Sponsorship Agreement** between **Dassault Systemes Foundation** and “**KLE Technological University**” dated 7th January 2020 (Ref: DSF Contract ID: 30/2019, DSF Project ID: IN-2019-040)

Contributions made to **KLE Technological University** are eligible for Income Tax Deduction u/s 80G of Indian Income Tax Act 1961.

PAN number of **KLE Technological University** is AACAK9702A.

Thanking you.

With regards,


Ashok Shettar
Vice Chancellor





महाराष्ट्र MAHARASHTRA

© 2019 ©

AV 146797

क्र. 75759 दि. 18 DEC 2019 500/-
 मुद्रांक वि. क्र. 301-18-12-2019
 दस्ताचा प्रकार कंपनी करार
 दस्त नोंदणी करणार आहेत का? होय/नाही.
 मिळकतीचे वर्णन प्रांतिशत
 मुद्रांक विकत घेणाऱ्याचे नांव राजेश शिंदे
 पत्ता हिजवडी पुणे
 दुसऱ्या पक्षकाराचे नांव KLE Technological University
 हस्ते व्यक्तीचे नांव व पत्ता पुणे
 मुद्रांक विकत घेणाऱ्याची सही
 सौ. आर. एच. लिमये
 परवाना क्र. 2209096
 3, शुक्रवार पेठ, पुणे-411002



SPONSORSHIP AGREEMENT

This Sponsorship Agreement (Agreement) is made on _____ ("Effective Date")

By and between

Dassault Systemes Foundation, a Company incorporated under Section 8 of the Companies Act, 2013, and having its Registered Office at Plant 11, Pirojshanagar, Vikhroli (West), Mumbai – 400 079. CIN: U72900MH2017NPL302013 | Tel: +91-22-67056001 | Fax: +91-22-67056891; represented by Mr. Sudarshan Mogasale – in his capacity as Chairman of the Board of Directors (Hereinafter referred to as "DS Foundation")

And

KLE Technological University, Hubballi, Karnataka, situated at **Vidya Nagar, Hubballi 580 031 Karnataka**, established in the year 1947, is an Educational Institute represented herein by Dr B Kotturshettar in his capacity as Head, School of Mechanical Engineering of the University. **(Hereinafter referred to as "Partner")**

Hereinafter individually called as "Party" or collectively called as "Parties"

Whereas,

- A) Dassault Systemes Foundation** is dedicated to transforming the future of education and research with the learning and discovery capabilities of 3D technology and virtual universes. Dassault Systemes Foundation supports projects in India to bring about transformation in Education and Research. It is working with the objective to improve engineering skills and support innovation in Indian Academia/ Research Centres, to accelerate education transformation, to encourage scientific research, to encourage vocation for science and engineering among young people and to support education programs for Underprivileged & Specially abled citizens. Dassault Systemes Foundation will help teachers, learners and scientist to leverage the power of 3D virtual world to stretch the limits of knowledge and to invent new ways to pass on this knowledge to current and future generations of Indian thinkers, inventors, builders and leaders.
- B) PARTNER - KLE Technological University, Hubballi**, is dedicated to offer distinctive curriculum to students that meets highest standards of excellence, generation and application of new knowledge through research and creative endeavors.
- KLE Technological University** aims to enable and grow disciplinary and inter-disciplinary areas of research, that build on present strengths and future opportunities, aligning with areas of national strategic importance and priority. **KLE Technological University** is actively engaged in Socio-economic development of the region, by contributing expertise, experience and leadership, to enhance competitiveness and quality of life.

The Partner hereby certifies to Dassault Systemes Foundation that the Partner:

- Is a body of general interest, registered as per applicable laws
- Pursues non-profit making aims,
- Is selflessly managed,
- Does not exist for the sole benefit of a circle of people.

Dassault Systemes Foundation wishes to support **KLE Technological University**, by way of financial contribution, and the Parties hereto have consequently agreed to enter into this sponsorship agreement (hereinafter the "**Agreement**").



NOW THEREFORE THE PARTIES HERETO AGREE AS FOLLOWS:

PARTNER'S PROJECT

A team of professors and students from **KLE technological University** wishes to implement project titled "**Development of Humanoid Robot and its digital twin using 3D Experience Platform to enhance interdisciplinary teaching and learning**".

Objectives of the Project

- To build an open-source Humanoid Robot framework using 3DEXPERIENCE Platform and develop learning curriculum to teach design of Humanoid Robot, to enhance interdisciplinary teaching and learning

Scope of the Project

- Build an open-source Humanoid Robot platform.
- Develop the hardware and software framework for it. It involves a humanoid robot platform consisting of a wheeled base and a torso with two arms and head.
- The humanoid can navigate using the wheels and has two arms with 4 DOF each. Each arm has a gripper at its end.
- The humanoid can do the sense-plan-act tasks. It will also have facilities to build intelligence to do higher level tasks such as planning, localization and navigation.
- Build the digital twin of the humanoid in 3D EXPERIENCE Platform.
- Develop a dedicated course, curriculum and 3D content on "Designing a Humanoid Robot and its applications", which can be shared and adopted by various institutes.
- Enhance interdisciplinary curriculum through learning content development.

Significance of the Project

- Development of course for engineering students to teach "Designing a Humanoid Robot and its applications", which is essential new skills for students to be ready for future trends.
- The humanoid robot will be developed as an open source platform for teaching several interdisciplinary courses & for research.
- Integration of Virtual plus physical behaviour for Humanoid Robot using 3DEXPERIENCE Platform including kinematics and Systems engineering.
- Through this help creation of a platform for engineering institutes who wants to implement robotics and also further the research in AI for robotics

Outcomes of the Project

- Well defined fully functional humanoid robot with AI framework, DIY kit, learning content
- Development of 3D Digital models, system behaviour, simulation studies to develop 3D digital learning experience for the students
- Develop laboratory exercises using the platform in AI for robotics laboratory
- Inclusion of this learning experience in the curriculum in a phase wise manner
- Access to the humanoid robot and the learning content will be provided to other institutes as well



Learning Opportunity for students

- Design of integrated systems, 3D design, Systems Engineering, robotics and automation simulations
- How to design a humanoid robot, configure it for specific applications involving human-machine integration
- How to link AI with humanoid robot's decision algorithm for sense-plan-act tasks
- The project will help students in learning the design of complex systems comprising of various subsystems and components, achieving higher levels of learning

Digital Content which will be developed

- Digital 3D content including simulation for humanoid robot
- Develop comprehensive learning/ teaching content in digital form for design and development of humanoid robot and one semester subject curriculum
- Open source platform for Humanoid robot

Planning/ Schedule: Project completion duration: 12 months from the date of signing.

The Partner agrees to share all the content created or developed (including but not limited to findings of the project, analysis results, digital contents, syllabus design and teaching materials) as part of this project, to Dassault Systemes Foundation and will allow Dassault Systemes Foundation to use and share it with other institutes.

(Hereinafter the "Project")

ARTICLE 1. PURPOSE OF THE AGREEMENT

The Parties have entered into this Agreement in order to define the terms and conditions pursuant to which Dassault Systemes Foundation is supporting the Partner within the framework of the Project by providing a financial contribution.

ARTICLE 2. FINANCIAL CONTRIBUTIONS OF THE DASSAULT SYSTEMES FOUNDATION

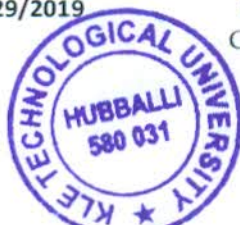
Dassault Systemes Foundation shall make, financial contribution of **Rs. 8,50,000/-** (Rs Eight Lakhs Fifty Thousand)

This financial contribution made by Dassault Systemes Foundation:

- 1) Shall be utilized by the **Partner** solely for the purpose of the **Project** and will be used as per the break-up provided in the Application Form submitted by partner/college and such relevant extracts are annexed hereto (**refer annexure A**)
- 2) Shall **not** be used to purchase licenses or access rights on Dassault Systemes offerings

Partner will provide details of the items purchased or expenses made out of the financial contributions and submit corresponding receipts or bills as applicable. In cases where such receipts cannot be furnished, suitable declaration shall be submitted by the Partner.

Partner agrees to allow Dassault Systemes Foundation to use the facilities developed by partner as part of this project; for any activities foundation wishes to carry out in future.



The contribution shall be One-time payment by Dassault Systemes Foundation, which should be made within four to six weeks from effective date of the agreement

Dassault Systemes Foundation will be allowed to audit usage of the funds provided by Dassault Systemes Foundation for the stated purpose.

The contribution amount shall appear on the tax receipt to be issued by the Partner no later than 30 days following the receipt of funds.

The request for funds and the tax receipt shall be addressed to:

Dassault Systemes Foundation

Hemant Gadgil
Plot No. 15/B, Pune Infotech Park,
M.I.D.C. Hinjewadi, Phase 1,
Taluka Mulshi,
Pune 411 057, India

A copy of the request for funds shall be sent at the following email address:
Hemant.Gadgil@lafondation3ds.in

ARTICLE 3. DUTIES OF THE PARTNER AND CREDITS

The Partner agrees to:

- 1) Allocate the sums disbursed under this Agreement to the Project, and shall provide itemized expense receipts to Dassault Systemes Foundation within **90 days**.
Dassault Systemes Foundation may audit the use of funds by the Partner from time to time in its discretion. Dassault Systemes Foundation representatives reserve the right to visit project site as and when required to monitor progress of the project.
- 2) Assign Project Manager for successful execution of the Project in a timely manner.
- 3) In the event if research scholars assigned by partner to work on this project, leave the project before completion of the scope, partner takes responsibility of assigning the research scholars in time and complete the scope of the project.
- 4) To ensure that all the infrastructure installed / used for the "Project" is handled with utmost care, is protected to the same extent that partner would protect its own property.
- 5) Share the know-how and learnings from the Project with other learners and related communities.
- 6) Prepare a report after the project duration is completed or at year end, whichever is earlier, and submit a certified copy to Dassault Systemes Foundation.
- 7) The partner shall ensure completion of project as per timelines mentioned in the Agreement.

The Partner agrees to send to Dassault Systemes Foundation a minimum of five photographs, relevant documents illustrating the Project. The Partner grants Dassault Systemes Foundation the right to use the photographs, to have them used directly or indirectly, to reproduce, represent, display and download them, to insert them in any communication medium related to the activities of Dassault Systemes Foundation (digital, paper, audiovisual or otherwise) or to have them inserted in a communication medium by a third party under the same conditions. These rights are granted on a worldwide basis and for the duration of protection of these photographs by copyright law.



The Partner confirms to Dassault Systemes Foundation that it obtained from all third parties (individuals or companies) all the necessary permissions to authorize the use of the aforementioned photographs by Dassault Systemes Foundation under the conditions defined above, including approval by those third parties for the use of their image on the photographs as defined above.

The Partner may include in its promotional materials and website, the mention that the Project has been made possible with the financial support of Dassault Systemes Foundation. Dassault Systemes Foundation shall provide, where necessary, logos to insert in the necessary formats. Partner shall not use Logo, trademark or any intellectual property of Dassault Systemes Foundation without express written consent of Dassault Systemes Foundation and the same shall be obtained after following due process specified by Dassault Systemes Foundation.

ARTICLE 4. RIGHTS AND LICENSE TO USE

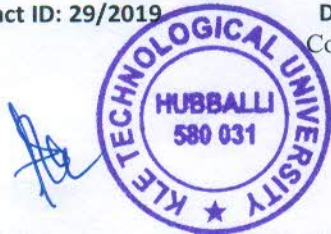
The Partner hereby grants the Dassault Systemes Foundation, for non-profit and educational purposes, a non-exclusive, royalty-free, worldwide, perpetual, irrevocable and sub licensable right and license to use, execute, reproduce, display, perform and distribute, in whole or in part, and create derivative works of, and authorize others to do any of the foregoing, any educational materials (including but not limited to curricula, lesson plans and teaching materials) created or developed by the Partner in connection with the Project (the "Licensed Materials"). Further, the Partner shall promptly and fully furnish the Licensed Materials to the Dassault Systemes Foundation upon the completion of the Project. The Partner confirms and warrants that it has all rights necessary to provide the license granted in this subsection.

ARTICLE 5. SINGLE POINT OF CONTACT

Each party shall appoint their representative as a Single Point of Contact (SPOC) for better coordination between the two parties

SPOC details:

For: Dassault Systemes Foundation Name: Hemant Gadgil Address: Dassault Systemes Foundation Plot No. 15/B, Pune Infotech Park, M.I.D.C, Hinjewadi Phase-I, Taluka Mulshi, Pune 411 057 Ph: +91 (20) 6793 6600 Email id: Hemant.Gadgil@lafondation3ds.in
KLE technological University Name: Arunkumar C. Giriyapur Title:- Associate Professor Address: Department of Automation & Robotics KLE Technological University, BVB Campus, Vidyanagar, Hubli - 580031 Ph: 9449052209 Email id: aaron@kletech.ac.in



Each party shall notify the other of any modification in writing in case of change in the above SPOC.

ARTICLE 6. TERM

- 1) This Agreement shall be effective from the 'Effective Date' and shall be valid for duration of three years.
- 2) During this term or any renewal term, either party may terminate this agreement upon sixty (60) days prior written notice to the other party, if any party is in breach of any material provision of this agreement and such breach is not cured within fifteen (15) days after written notice thereof is received by the breaching party.
- 3) In the event of termination of this agreement prior to expiry of the defined term, Dassault Systemes Foundation shall have no obligation to provide further funding to the partner and partner may continue to execute the project at its own cost.

ARTICLE 7. MISCELLANEOUS

This Agreement represents the entire agreement between the Parties in relation to the subject matter set forth hereunder, and replaces and supersedes any and all prior letters, proposals, offers and agreements with respect to similar subject matter. This Agreement may solely be amended by written agreement signed by the Parties and dated later than the date of signature of this Agreement.

The failure by either Party to enforce any default hereunder shall not be deemed a waiver, release or discharge of any subsequent default.

In the event any provisions of this Agreement are declared null, void or unenforceable by application of a law, regulation or further to a final decision of any competent judicial or administrative authority, the remaining provisions hereunder shall remain in force and effect.

The contracting Parties shall not be deemed to have entered into a partnership, joint venture or similar agreement by virtue of the provisions hereunder.

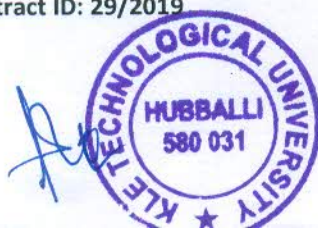
Unless specifically authorized in writing by the other Party, neither Party shall be deemed to be acting in any capacity whatsoever as representative of the other Party.

Neither party shall be liable for any non-performance of its obligations pursuant to the Agreement resulting from an event of force majeure as defined under applicable laws. If the performance of any of the obligations under this Agreement is prevented, restricted or interfered with by reason of fire or other casualty or accident, floods, strike or other violence (not due to any act, neglect or default of the party to Agreement), war or other violence, any law, or regulation of any government, governmental delay, or any act or condition whatsoever beyond the reasonable control of party to Agreement shall be called a "Force Majeure" event.

ARTICLE 8. GOVERNING LAW AND JURISDICTION

This Agreement shall be governed by laws of the Republic of India.

In the event the Parties fail to resolve any dispute related to the subject matter set forth herein within a reasonable time, the dispute shall be referred to for Arbitration in terms of the Arbitration and Conciliation Act 1996 or any statutory modifications thereto the place of Arbitration shall be Mumbai.



The relevant courts of the city of Mumbai shall have jurisdiction over any matter arising out of this Agreement.

IN WITNESS WHEREOF the Parties have caused this Sponsorship Agreement to be executed the day and year first herein above written.

For and on behalf of Dassault Systemes Foundation	For and on behalf of KLE technological University, Hubballi, Karnataka
	
Name: Sudarshan MOGASALE	Name: Dr. Ashok Shettar
Designation: Chairman of Board of Directors Dassault Systemes Foundation	Designation: Vice-Chancellor, KLE Technological University
Date:	Date:



Annexure A

Financial contribution made by Dassault Systemes Foundation will be used by partner for following activities / purchase of equipment needed for the project

#	Funding as requested by partner for (Equipment, Activities)	Quantity	Indicative Price In Rs
1	Dynamixel Motor XM430	4	124,000
2	Dynamixel Motor MX28T	5	125,000
3	Dynamixel Motor XM540-W150	3	150,000
4	Intel Real sense camera D435i	1	30,000
5	2D Logitech C922 Camera	1	10,000
6	3D Printing of the body	-	15,000
7	Intel NUC - i5, 8th Gen,16GB, 500GB	1	45,000
8	Intel Neural Stick 2	1	12,000
9	4 inch LCD Screen for Face	1	3,500
10	Nvidia AGX Xavier - with accessories	1	65,000
11	10inch Touch Screen display	1	10,000
12	Mechanical Support structure	-	12,000
13	SMPS Power supply	2	16,000
14	Li ion Battery Pack 24V, 12V	2	16,000
15	Battery Management System Boards	2	24,000
16	RP Lidar A3 360 Degrees Laser Scanner	1	62,000
17	Grippers for hands	2	60,000
18	Power Converters	4	32,000
19	Speakers	2	3,000
20	Miscellaneous	-	10,500
21	Contingencies	-	25,000
	Total		8,50,000/-

Partner agrees to provide access and allow use of hardware infrastructure which will be set-up using this financial contribution to Dassault Systemes Foundation and its partners for study, learning, research purpose.





Donation Receipt

Date: 16-01-2020

Received with thanks

From **Dassault Systemes Foundation**

(a Company incorporated under Section 8 of the Companies Act, 2013, and having its Registered Office at Plant 11, Pirojshanagar, Vikhroli (West), Mumbai – 400 079. CIN: U72900MH2017NPL302013. Hereinafter referred to as “DS Foundation”)

Rs. 8,50,000/- (Rupees Eight Lakhs Fifty Thousand)

By Electronic Transfer (on 14th January 2020)

as Donation to support, Project Executed by us, as per **Sponsorship Agreement** between **Dassault Systemes Foundation** and “**KLE Technological University**” dated 7th January 2020 (Ref: DSF Contract ID: 29/2019, DSF Project ID: IN-2019-039)

Contributions made to **KLE Technological University** are eligible for Income Tax Deduction u/s 80G of Indian Income Tax Act 1961.

PAN number of **KLE Technological University** is AACAK9702A.

Thanking you.

With regards,

Ashok Shettar
Vice Chancellor





Donation Receipt

Date: 16-01-2020

Received with thanks

From **Dassault Systemes Foundation**

(a Company incorporated under Section 8 of the Companies Act, 2013, and having its Registered Office at Plant 11, Pirojshanagar, Vikhroli (West), Mumbai – 400 079. CIN: U72900MH2017NPL302013. Hereinafter referred to as “DS Foundation”)

Rs. 8,50,000/- (Rupees Eight Lakhs Fifty Thousand)

By Electronic Transfer (on 14th January 2020)

as Donation to support, Project Executed by us, as per **Sponsorship Agreement** between **Dassault Systemes Foundation** and “**KLE Technological University**” dated 7th January 2020 (Ref: DSF Contract ID: 30/2019, DSF Project ID: IN-2019-040)

Contributions made to **KLE Technological University** are eligible for Income Tax Deduction u/s 80G of Indian Income Tax Act 1961.

PAN number of **KLE Technological University** is AACAK9702A.

Thanking you.

With regards,



Ashok Shettar
Vice Chancellor





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, Udupi 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, Aiwani 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						





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 as under:
 - (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

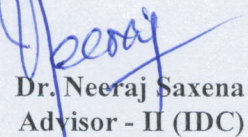
- a. The amount of interest accrued on the grant should be treated as part of the grant to be utilized for that particular project. However, the interest amount accrued along with grant disbursed should not exceed the total grant sanctioned for the project. The Institute receiving the grant should reflect 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:

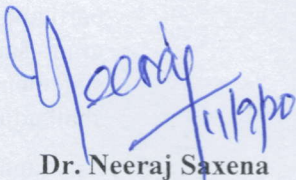
Name of Equipments
Electromagnetic Flow Meter
Nozzles Performance Study System
Ultrasonic Flow meter

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:

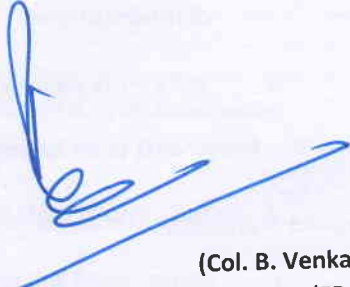
- i. The consolidated Utilization Certificate (UC) and Receipt & Payment Account for the Project duration, duly audited.
- ii. Consolidated audited statement of expenditure, to the effect that the grant has been utilized for the purpose for which it has been sanctioned. It should contain the head-wise 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

- a. The full amount of the grant sanctioned is being released as advance to the University/Institute.
- b. 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.
- b. 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

- a. The Institute shall strictly follow the provisions laid down in the scheme document as available on the portal.
- 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.
- 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.
- d. 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

- a. The following mandatory relevant documents are required to be submitted by the University/Institution within one month of the completion of the program:-
 - (i) 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

Contd...2/-

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:

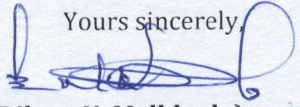
A. Documents to be submitted within one month of completion of each financial year:

- 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/-

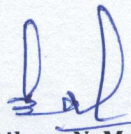
Copy forwarded for information and necessary action to:

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



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

R. Sharmy

... Contd./-

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.

R. Sharma

Contd/-

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.



Contd./

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

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

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

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

Contd/-

- 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.



... Contd/-

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

... Contd/-

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

...Contd/-

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

... Contd/-

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

...Contd/-



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

... Contd/-



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

... Contd/-

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

R. Sharma



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

R. Shamy

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

...Contd/-

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

Contd/-

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. Sharma

... Contd/-

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.”***



Contd./

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

R. Sharme


Contd./

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:

... Contd /

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.

R. Sharmy

... Contd / -

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

R. Sharma





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





Dean R&D <dean_rd@kletech.ac.in>

Extension of date of the project - Approval obtained @ SRIB

2 messages

Lokesh Rayasandra Boregowda <lokesh.rb@samsung.com>

Mon, Apr 23, 2018 at 7:42 AM

Reply-To: lokesh.rb@samsung.com

To: Uma Mudengudi <uma@kletech.ac.in>

Cc: Lokesh Rayasandra Boregowda <lokesh.rb@samsung.com>, AJIT BOPARDIKAR <ajit.b@samsung.com>

Dear Prof Uma,

I have obtained the approval for the extension of the deadlines for the collaboration project as requested by you, from our SRIB management and legal team. All the clauses discussed and agreed as per the SoW remain the same, except for the fact that the last 2 deadlines have been changed as per your request to 9th May and 29th Jun 2018 (30th Jun is the last day of the collaboration project as the SoW expires on that day)

However, there is one requirement from the legal process here at SRIB. We need the soft copies of all the reports including the detailed latest report which you mailed us few weeks ago, as we need to submit these as part of the collaboration interactions. In case the word doc files are too huge, request you to mail us the PDF versions of the word documents.

Also Dr Aloknath De (and Balaji) may review the progress of the project for 30 min, when he is at your university on 27th APR 2018. Request you and team to be prepared to present the progress till date, and provide him the full overview of your core contributions versus our SoW.

Note - Mr Sarvesh from my team may also be visiting on the same day i.e., 27th APRIL 2018, along with Dr Aloknath De and myself.

I have copied Dr Ajit Bopardikar in this mail as he needs the PDF versions of the documents asap.

Regards,

Loki

----- Original Message -----

Sender : Uma Mudengudi <uma@kletech.ac.in>**Date** : 2018-03-27 13:09 (GMT+5:30)**Title** : Re: Extension of date of the project

Dear Dr. Lokesh,

As discussed, please extend the date of the SRIB- KLE Tech project until 29th June 2018. The delay is due to the following.

1. SRIB team was not happy with the first set of data, captured in the campus.
2. To capture data outside campus with drone requires a number of permissions from the different local authorities. This delayed the start of the capture process.
3. The drone capture process very much depended on the wind and other obstacles at the site, which is taking more time to capture right kind of data set.

Hence I request the SRIB team to extend the date until 29th June 2018 with an intermediate deliverable on 9th May 2018.

Thanks and Regards

Uma

--

Dr. Uma Mudenagudi
Dean R & D, Professor, ECE,
KLE Technological University,
Hubballi-580031
Ph:+91-836-2378-132

The contents of this e-mail message and any attachments are confidential and are intended solely for addressee. The information may also be legally privileged. This transmission is sent in trust, for the sole purpose of delivery to the intended recipient. If you have received this transmission in error, any use, reproduction or dissemination of this transmission is strictly prohibited. If you are not the intended recipient, please immediately notify the sender by reply e-mail or phone and delete this message and its attachments, if any.

상기 메일은 지정된 수신인만을 위한 것이며, 「부정경쟁방지 및 영업비밀보호에 관한 법률」, 「개인정보 보호법」을 포함하여 관련 법령에 따라 보호의 대상이 되는 영업비밀, 산업기술, 기밀정보, 개인정보 등을 포함하고 있을 수 있습니다. 본 문서에 포함된 정보의 전부 또는 일부를 무단으로 복사 또는 사용하거나, 제3자에게 공개, 배포, 제공하는 것은 엄격히 금지됩니다. 본 메일이 잘못 전송된 경우, 즉시 발신인 또는 당사에 알려주시고 본 메일을 삭제하여 주시기 바랍니다.

" Dr. Uma Mudenagudi" <dean_rd@kletech.ac.in>

Mon, Apr 23, 2018 at 10:59 AM

To: Lokesh Rayasandra Boregowda <lokesh.rb@samsung.com>

Cc: Uma Mudengudi <uma@kletech.ac.in>, AJIT BOPARDIKAR <ajit.b@samsung.com>

Dear Dr. Lokesh and Mr. Ajit,

We have sent the reports and data in CDs and hard disk.
As suggested, please find the attached pdf reports.

Thanks and Regards

Uma

[Quoted text hidden]

--

Thanks and Regards

Uma

--

Dr. Uma Mudenagudi

Dean R & D,
Professor ECE,

[Quoted text hidden]

3 attachments

 Samsung_1st_deliverable(26-10-2017).pdf





Karnataka Science and Technology Promotion Society (KSTePS)

Dept. of Information Technology, Bio Technology and Science & Technology, GoK,
"Vijnana Bhavana", 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

(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. B. 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
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																			
Recommended 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
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																			
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

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)



vijayendra

Apr 18

nargund <nargund56@gmail.com>

to Vineet, me

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](#)

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

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)



vijayendra

Apr 18

nargund <nargund56@gmail.com>

to Vineet, me

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](#)





GOVERNMENT OF KARNATAKA

Vision Group on Science and Technology

Department of Information Technology, Biotechnology and Science & Technology
Karnataka Government Secretariat, No.702, 7th Floor, 4th Stage, M. S. Building, Dr. Ambedkar Veedhi, Bangalore-560 001
Phone: 080-2203 2013, E-mail: visiongroup.st@gmail.com Website: www.vgst.in

7

No /VGST/GRD -141 /2012-13/2014-15/212

03-01-2018

To,
The Principal
B.V.Bhoomraddi College of Engineering & Technology,
Vidyanagar, Hubballi - 580 031.

B. V. B. College of
Engg. & Tech., HUBLI.
Inv. No. 1028
Date 9-1-18

Dear Sir,

Subject : Approval for the submission of PART -A for purchase the Equipment - GRD 141.

With reference to the approval of GRD - 141 - B.V.Bhoomaraddi College of Engineering and Technology Hubli under K-FIST(L1) proposed by Dr.S.S Quardi the project titled "Establishing the facility for Nanotechnology for structural and Energy Engineering Applications" was released the grant of Rs 10.00 lakhs for 2nd Instalment in the FY: 2013-14 (Cheque no: 522783 Dt : 23-06-2017)

As submitted the PART - A of GRD by the Grantee Institution requesting for the purchase of Equipment for the Second and Final Instalment the details are as follows.

2nd Instalment - Non Recurring Budget Estimate under E-Tendering process (ETP) for the FY : 2013-14

SI	Submitted in PART -A under Non -Recurring (ETP) Budget Estimate by Grantee Institution	VGST Approved Amount (Rs.in lakhs)	Cost of the Equipment
1	Physical Vapour Deposition (PVD)	9,00,0000.00	15,00,000.00
	Interest Earned	92,615.00	+ Taxes
	Previous year Balance Carried Forward (2012-13)	1,81,809.00	
	Recurring Balance Carried Forward for (2013-14)	50,000.00	
	Total amount Sanctioned by VGST	12,24,424.00	
	Balance amount with taxes sponsored by Management	2,75,576.00 + taxes	

Dr. S.S. Quardi
9/11

2nd Instalment – Recurring Budget Estimate for the FY: 2013-14

SI .NO	Submitted in PART –A under Recurring Budget Estimate by Grantee Institution	Amount
1	Chemicals	10,000.00
2	Glassware	
3	Plastic ware	
4	Biological Specimen	
5	Electrical and electronics spare parts	7,500.00
6	Mechanical Spare Parts	7,500.00
7	Contingency	20,000.00
8	Books & journal	5,000.00
Total		50,000.00

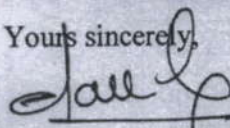
The submitted Financial status proforma (FSP) and PART – A document details are as follows

Previous year Balance according to the UC	2,74,424.00
Grant Amount for the FY : 2013-14	10,00,000.00
TOTAL	12,74,424.00
NON RECURRING (A)	
E-tendering (ETP)	12,24,424.00
TOTAL (A)	12,24,424.00
RECURRING (B)	
Consumables and Contingency	50,000.00
TOTAL (B)	50,000.00
Approval by VGST (PART - A submitted by GI / PC) TOTAL (A) + (B)	12,74,424.00
BALANCE AMOUNT NOT APPROVED	00

In this view, as mentioned in the procurement document (PART-A), you may purchase the equipment through E-Tendering and Manual Tendering. Please do not deviate the purchase procedure for the procurement of equipment. Please submit the PART-B (Purchase Documents) to the VGST office after completion of the process. This is for your kind information.

With Thanks and Regards,

Yours sincerely,


1.31/18.

(Dr.S.G.Sreekanteshwara Swamy)

Consultant

CC : Dr.S.S Quardi, Department of Civil Engineering, B.V.Bhoomraddi College of Engineering & Technology, Vidyanagar, Hubballi - 580 031.



ಕರ್ನಾಟಕ ವಿಜ್ಞಾನ ಮತ್ತು ತಂತ್ರಜ್ಞಾನ ಪ್ರೋತ್ಸಾಹಕ ಸೊಸೈಟಿ

ಮಾಹಿತಿ ತಂತ್ರಜ್ಞಾನ, ಜೈವಿಕ ತಂತ್ರಜ್ಞಾನ ಹಾಗೂ ವಿಜ್ಞಾನ ಮತ್ತು ತಂತ್ರಜ್ಞಾನ ಇಲಾಖೆ, ಕರ್ನಾಟಕ ಸರ್ಕಾರ
'ವಿಜ್ಞಾನ ಭವನ' ನಂ: 24/2, 3ನೇ ಮಹಡಿ, 21ನೇ ಮುಖ್ಯ ರಸ್ತೆ, ಬನಶಂಕರಿ 2ನೇ ಹಂತ, ಬೆಂಗಳೂರು-560 070

ದೂರವಾಣಿ/ಫ್ಯಾಕ್ಸ್: 080-26711166 /26711160 ಇ-ಮೇಲ್: ksteps.dst@gmail.com

ಡಾ. ಹೆಚ್. ಹೊನ್ನೇಗೌಡ

ವಿಶೇಷ ನಿರ್ದೇಶಕರು (ತಾಂತ್ರಿಕ), ವಿಜ್ಞಾನ ಮತ್ತು ತಂತ್ರಜ್ಞಾನ ಇಲಾಖೆ/
ವ್ಯವಸ್ಥಾಪಕ ನಿರ್ದೇಶಕರು, ಕೆಸ್ವಿಪ್ಸಿ

ನಂ. ಕೆಸ್ವಿಪ್ಸಿ/ವಿತಂದಾಸ/ಕೆಫಿಸ್ಟಿ L1/GRD-141/19/17-18

ದಿನಾಂಕ: 23.06.2017

ಮಾನ್ಯರೇ,

ವಿಷಯ: ವಿಜ್ಞಾನ ಮತ್ತು ತಂತ್ರಜ್ಞಾನ ದಾರ್ಶನಿಕ ಸಮೂಹದ K-Fist L1 ಯೋಜನೆಯಡಿಯಲ್ಲಿ ಎರಡನೇ ಕಂತಿನ
ಅನುದಾನ ಬಿಡುಗಡೆ ಮಾಡುವ ಬಗ್ಗೆ.

ವಿಜ್ಞಾನ ಮತ್ತು ತಂತ್ರಜ್ಞಾನ ಇಲಾಖೆಯು, ಖ್ಯಾತ ವಿಜ್ಞಾನಿ ಭಾರತರತ್ನ ಪ್ರೊಫೆಸರ್ ಸಿ.ಎನ್.ಆರ್. ರಾವ್, F.R.S. ರವರ ಅಧ್ಯಕ್ಷತೆಯಲ್ಲಿ ವಿಜ್ಞಾನ ಮತ್ತು ತಂತ್ರಜ್ಞಾನ ದಾರ್ಶನಿಕ ಸಮೂಹವನ್ನು 2008 ರಲ್ಲಿ ಸ್ಥಾಪಿಸಿದ್ದು, ಈ ಯೋಜನೆಯಡಿ ಹಲವಾರು ವೈಜ್ಞಾನಿಕ ಕಾರ್ಯಕ್ರಮಗಳನ್ನು ಕಳೆದ 9 ವರ್ಷಗಳಿಂದ ರಾಜ್ಯಾದ್ಯಂತ ಯಶಸ್ವಿಯಾಗಿ ಅನುಷ್ಠಾನಗೊಳಿಸಿಕೊಂಡು ಬರುತ್ತಿರುವುದು ಸರಿಯಷ್ಟೆ. 2012-13ನೇ ಸಾಲಿನಲ್ಲಿ ತಮ್ಮ ಸಂಸ್ಥೆಯಿಂದ ಸಲ್ಲಿಸಿದ ಪ್ರಸ್ತಾವನೆಯಾದ "Establishing the facility for Nanotechnology for Structural & Energy engineering application" ನ್ನು ವಿ.ಜಿ.ಎಸ್.ಟಿ. ಯ ಪ್ರಮುಖ ಕಾರ್ಯಕ್ರಮವಾದ Karnataka Fund for Infrastructure Strengthening in Science & Technology in Higher Education Institutions (K-FIST) ನ ಯೋಜನೆಯಡಿಯಲ್ಲಿ ದಾರ್ಶನಿಕ ಸಮೂಹವು ಆಯ್ಕೆ ಮಾಡಿ, ಸರ್ಕಾರ ಆದೇಶ ನೀಡಿರುವುದು ತಮಗೆ ತಿಳಿದ ವಿಷಯವಾಗಿದೆ.

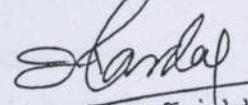
ವಿಜ್ಞಾನ ಮತ್ತು ತಂತ್ರಜ್ಞಾನ ಇಲಾಖೆಯ ಅಂಗ ಸಂಸ್ಥೆಯಾದ ಕರ್ನಾಟಕ ವಿಜ್ಞಾನ ಮತ್ತು ತಂತ್ರಜ್ಞಾನ ಪ್ರೋತ್ಸಾಹಕ ಸೊಸೈಟಿ (ಕೆಸ್ವಿಪ್ಸಿ) ಯನ್ನು ಪ್ರಸ್ತುತ ವರ್ಷದಿಂದ ದಾರ್ಶನಿಕ ಸಮೂಹದ ಕಾರ್ಯಕ್ರಮಗಳ ಉಸ್ತುವಾರಿ ಸಂಸ್ಥೆಯಾಗಿ ನೇಮಿಸಲಾಗಿದೆ. ಆದುದರಿಂದ, ತಮ್ಮ ಸಂಸ್ಥೆಯಿಂದ ಆಯ್ಕೆಗೊಂಡ ಪ್ರಸ್ತಾವನೆಗೆ ಎರಡನೇ ಕಂತಾಗಿ ರೂ. 10.00 ಲಕ್ಷಗಳ ಅನುದಾನದ ಚೆಕ್‌ನ್ನು (ಚೆಕ್ ಸಂಖ್ಯೆ: 522783, ದಿ: 23.06.2017) ನೀಡಲಾಗಿದೆ. ಚೆಕ್ ಸ್ವೀಕರಿಸಿದ ನಂತರ, ಸ್ವೀಕೃತ ರಶೀದಿ (Acknowledgement) ಯನ್ನು ಹಾಗೂ ತಮ್ಮ ಇ-ಮೇಲ್ ವಿಳಾಸಕ್ಕೆ ನಾವು ಕಳುಹಿಸಿರುವ Part-A document ಅನ್ನು ಭರ್ತಿ ಮಾಡಿ ಹದಿನೈದು ದಿನಗಳ ಒಳಗೆ ವಿತಂದಾಸ ಸಂಸ್ಥೆಗೆ ಕಳುಹಿಸುವುದು.

ಈಗಾಗಲೇ ಬಿಡುಗಡೆ ಮಾಡಲಾಗಿರುವ ಮೊದಲನೇ ಕಂತಿನ ಅನುದಾನದಲ್ಲ ಉಳಕೆಯಾಗಿರುವ ರೂ. 2,64,110/-ಗಳನ್ನು ಮತ್ತು ಇದಕ್ಕೆ ಬಂದಂತಹ ಬಡ್ಡಿ ಹಣವನ್ನು ಸದರಿ ಅನುದಾನಕ್ಕೆ ಸೇರಿಸಿಕೊಂಡು ಉದ್ದೇಶಿತ ಯೋಜನೆಗೆ ಮಾತ್ರ ಬಳಸಿಕೊಳ್ಳುವುದು ಹಾಗೂ ಎಲ್ಲಾ ವೆಚ್ಚಗಳನ್ನು ಕರ್ನಾಟಕ ಸಾರ್ವಜನಿಕ ಸಂಗ್ರಹಣೆಯಲ್ಲಿ ಪಾರದರ್ಶಕತೆ ಅಧಿನಿಯಮ, 1999ರ (Karnataka Transparency in Public Procurements Act, 1999 - <http://finance.kar.nic.in/index.htm>) ಅನುಸಾರ ಹಾಗೂ ದಾರ್ಶನಿಕ ಸಮೂಹ ಅನುಮೋದಿಸಿರುವ ವಿವಿಧ ಶೀರ್ಷಿಕೆಗಳಿಗೆ ಅನುಗುಣವಾಗಿ ಯೋಜನೆಯನ್ನು ಅನುಷ್ಠಾನಗೊಳಿಸುವುದು.

ಬಿಡುಗಡೆಯಾದ ಅನುದಾನವನ್ನು ಬಳಸಿಕೊಂಡ ನಂತರ ಎಲ್ಲಾ ವೆಚ್ಚಗಳನ್ನು ನೋಂದಾಯಿತ ಆಡಿಟರ್ ಮೂಲಕ ಆಡಿಟ್ ಮಾಡಿಸಿ, ಉಪಯೋಗತಾ ಪ್ರಮಾಣಪತ್ರವನ್ನು ದ್ವಿಪ್ರತಿಯಲ್ಲಿ ಈ ಪತ್ರದೊಂದಿಗೆ ಲಗತ್ತಿಸಿರುವ ಸ್ವರೂಪದಲ್ಲಿ (Format) ಕೆಸ್ಟೆಪ್ಸ್ ಸಂಸ್ಥೆಗೆ ಕಳುಹಿಸಿಕೊಡುವುದು. ಯೋಜನೆಗೆ ಸಂಬಂಧಪಟ್ಟ ಎಲ್ಲಾ ಲೆಕ್ಕ ಪತ್ರಗಳನ್ನು ಸಂರಕ್ಷಿಸಿಡುವುದು ಹಾಗೂ ಮಹಾಲೇಖಪಾಲಕರು ಮತ್ತು ಸರ್ಕಾರವು ತಪಾಸಣೆಗಾಗಿ ಕೋರಿದಲ್ಲಿ ತಪ್ಪದೇ ಒದಗಿಸುವುದು. ಈ ಯೋಜನೆಗೆ ಅನುಗುಣವಾಗಿ ಪ್ರತ್ಯೇಕ ದಾಖಲೆ ಪುಸ್ತಕ ಸಹ ನಿರ್ವಹಿಸಬೇಕೆಂದು ಕೋರುತ್ತೇನೆ.

ವಂದನೆಗಳೊಂದಿಗೆ,

ತಮ್ಮ ವಿಶ್ವಾಸಿ,



ವ್ಯವಸ್ಥಾಪಕ ನಿರ್ದೇಶಕರು

ಇವರಿಗೆ,

The Principal
KLE's BV Bhoomreddy college
of Engineering & Technology
Hubballi- 580 031

✓ ಪ್ರತಿ: Dr. S. S. Quadri, Programme Co-ordinator, Dept of Civil Engineering
KLE's BV Bhoomreddy college of Engineering & Technology, Hubballi- 580 031



GOVERNMENT OF KARNATAKA

Vision Group on Science and Technology

Department of Information Technology, Biotechnology and Science & Technology
Karnataka Government Secretariat, 5th Floor, 5th Stage, M. S. Building, Dr. Ambedkar Veedhi, Bangalore-560 001
Phone: 080-2203 2473, Fax: 080-2226 2450, Mobile: 94480 86957, E-mail: visiongroup.st@gmail.com Website: www.vgst.in

27

Dr. S. Ananth Raj
Consultant

No.VGST/K-FIST/2012-13/247

**B. V. S. College of
Engg. & Tech., HUBLI.**
Inw. No...8.....
Date...31/1/2013.....

December 31, 2012

VGST - GRANT SANCTION LETTER

The Principal,
K.L.E. Society's
B.V. Bhoomaraddi College of Engineering and Technology,
Vidyanagar, Hubli - 580 031

*Alc (ha)
deputt accordingly
copy to Prof. Ananth
31/1/12*

WISH YOU A HAPPY NEW YEAR 2013
AND
GREETINGS FROM VISION GROUP ON SCIENCE AND TECHNOLOGY (VGST)

Dear Sir/Madam,

Sub: Release of VGST, K-FIST (level - I) grant for the FY 2012-13 - Reg.
Ref: (1) ಸರ್ಕಾರದ ಅಧಿಕೃತ ಸಂಖ್ಯೆ: ಬಿಎಚ್ 165 ದಿ.25/09/2012. ಛಾನಗಡಲಿನ ದಿನಾಂಕ: 10/09/2012

In continuation our letter No.VGST/P-14/K-FIST/2012-13/186 dated 25/09/2012, VGST would like to inform you as follows:

- (1) As you are aware, that your institution has been selected by VGST for providing K-FIST (Level - I) grant for the FY 2012-13 vide reference (1).
- (2) VGST wanted to disseminate both the cheque & the citation by organizing an "Award Function" duly represented by dignitaries like Hon'ble Chief Minister, Minister of Dept. of Science and Technology (DST) and Prof. C.N.R. Rao, JNCASR. Because of the pre-occupation of these dignitaries and their busy schedule, VGST has not been able to arrange for the Award function. Hence, VGST has taken a decision of dispatching the K-FIST grant cheque to the grantee institutions to facilitate timely implementation of K-FIST programme. However, an "Award Function" will be held in the coming days to disseminate only the "CITATION" to the grantee institution. Date of Award function will be informed well in advance.
- (3) The K-FIST grant cheque is being dispatched with this letter accompanied by ACKNOWLEDGMENT LETTER and "GRANT RELATED DOCUMENTS (GRD) - BOOK". The GRD number is specific to your institution and shall be mentioned in all the future

Valid for three months from the date of instrument

31122012
D D M M Y Y Y Y

STATE BANK OF MYSORE MULTICITY CHEQUE - SAVINGS ACCOUNT
IFSC Code: SBMY0040526 (Ph.No: 080-22264338)

ಪಾವತಿಸಬೇಕಾದವರಿಗೆ
PAY The Principal, B.V. Bhoomaraddi College of Engineering and Technology, Hubli. या धारक को OR BEARER
RUPEES रुपये Ten lakh only

₹ 10,00,000/-

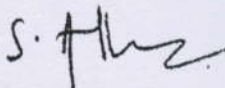
अदा करें

No. No. 64063410418

- (4) I am herewith enclosing a crossed cheque for Rs.10,00,000/- (Ten lakhs only) vide cheque No. 244055 dated 31-12-2012 to the K-FIST programme entitled "Establishing the facility for - Nanotechnology for Structural and Energy Engineering Applications" submitted by the Department of Civil Engineering of your College/university/Institution.
- (5) For the effective and speedy implementation of K-FIST programme in your institution, please return "PART - A (a) PROGRAMME ABSTRACT (PA) (b) BUDGET ESTIMATE (NON - RECURRING & RECURRING) - (BE) (c) TECHNICAL SPECIFICATION OF THE EQUIPMENT (TSE) (d) JUSTIFICATION FOR THE PURCHASE EQUIPMENT (JP) (e) PURCHASE COMMITTEE (PC) - (f) DECLARATION FORM (DF)" of GRD - Book to VGST before January 2013 for VGST's approval. It is to note that Grantee Institutions requested not to send PART - B and PART - C of GRD - Book to VGST.
- (6) It is mandatory to utilize 80% of the VGST grant under Non - Recurring expenditure (procuring Equipments through E-tender procedure) and the remaining 20% towards Recurring expenditure as indicated in the Budget Estimate.
- (7) It is mandatory to keep K-FIST grant in a separate SB A/C in a nationalized bank to facilitate smooth audit work. VGST Generals Terms and Conditions (GTC) does not allow to keep the K-FIST grant in any of the general SB A/C of the grantee institution. Kindly treat this matter as most important.
- (8) Kindly acknowledge the receipt of this grant. Format of the acknowledgement letter is also enclosed.

Thanking you.

Yours faithfully,


(Dr. S. Ananth Raj)



INDIAN INSTITUTE OF TECHNOLOGY, DELHI
(Industrial Research & Development Unit)

No. IITD/IRD/RP03170/ 1844

230
Dated: 03.2016

OFFICE MEMORANDUM

Approval of the Competent Authority is hereby conveyed for operation of Sponsored Research Project Entitled "Four problems related to ADAS" (#RP03170) sponsored by Continental Automotive Components (India) Pvt. Ltd. Bangalore at this Institute on the following terms & conditions:-

1. Prof.Dr. SUBHASHIS BANERJEE (15589), Computer Science & Engineering as PI
2. The tenure of the scheme will be 1 year, w.e.f.16-mar-2016

The entire expenditure on the operation of the scheme will be borne by Continental Automotive Components (India) Pvt. Ltd. Bangalore and for that purpose they have agreed to sanction financial grant of Rs.29,88,000/- (Rupees Twenty Nine Lakhs Eighty eight Thousand Only) for the duration of the project as detailed given below:-

S. No.	Budget Head	Budget Description	Total Amount in Rupees
1	SALARY	Staff Salary	
2	CONTY01	Contingency	3,00,000.00
3	TRAVL01	Travel	4,00,000.00
4	HONUM01	Honorarium to PI	1,00,000.00
5	ITSC01	Institute Service Charges	2,30,000.00
6	MISC	Misc. - Rupees 8,76,000/- will be transferred to each of IIT Delhi, Okhla and BVBCET Hubli, Karnataka	3,05,000.00
		Total Amount in Rupees	29,88,000.00

The other terms and conditions for operation of the scheme will be as per letter No. MOU dated 15-feb-2016 of Continental Automotive Components (India) Pvt. Ltd, Bangalore

(V. K. Vashishtha)
A. R. IRD

Distribution:

1. A.R. (IRD A/c)
2. Head, Computer Science & Engineering
3. Dr. Prof. SUBHASHIS BANERJEE (15589)
Computer Science & Engineering, Principal Investigator

To The Principal, BVBCET

Please note the sanction of the above project. As per the original proposal Rs 876000/- will be transferred to BVBCET in quarterly payments

Subli Bajaj
4/4/2016

Copy: PE, BVBCET

12-2-2016

Letter of acceptance of Dr. Uma Mudenagudi on ADAS project with Continental.

I, Dr. Uma Mudenagudi, Professor at the Department of Electronics and Communications, BVCET, Hubli, accept the participation as consultant in the ADAS project being executed in collaboration with IIT Delhi and Continental, Bangalore and will carry out the assigned parts of the work in the proposal.

Yours Sincerely



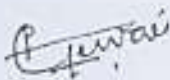
Dr. Uma Mudenagudi

Project-Pi, BVCET

No objection certificate for participation of Dr. Uma Mudenagudi on ADAS project with Continental.

This is to certify that IIT Delhi has no objection with participation of Dr. Uma Mudenagudi, Professor at the Department of Electronics and Communications, BVCET, Hubli, as consultant in the ADAS project being executed in collaboration with IIT Delhi and Continental, Bangalore and will facilitate carrying out parts of the work at IIT Delhi.

Yours Sincerely



Dr. Prakash Tewari

Principal, BVCET

PRINCIPAL
B.V.B. College of Engineering & Tech,
Vidyanagar, HUBLI-31.





01

2

ಬೆಂಗಳೂರು ಜೈವಿಕನಾವೀನ್ಯತೆ ಕೇಂದ್ರ

BANGALORE BIOINNOVATION CENTRE

(A Government of Karnataka Undertaking)

A section 8 Company promoted by Dept of IT, BT and S&T, Govt of Karnataka and supported by Department of Biotechnology (DBT), Govt of India. CIN: U05310KA2015NPL079765.

WHEREAS Karnataka Biotechnology and Information Technology Services (KBITS), a society under Department of IT, BT and S&T, Government of Karnataka, having its office at BMTC-Central Offices Building TTMC 'B' Block, 4th Floor, Double Road, NGO Colony, Wilson Garden, Bengaluru, Karnataka 560027 hereinafter referred to as the "KBITS", operates a scheme entitled Idea2PoC Scheme (hereinafter referred to as "Idea2PoC Scheme") to support an innovative idea in the field of biotechnology for proof of concept.

WHEREAS, KBITS has entrusted the Idea2PoC Partner i.e, Bangalore Bioinnovation Centre, with implementation of the Idea2PoC Scheme including necessary processing of the proposals, organizing various meetings and training programs for Idea2PoC, execution of the decisions taken, disbursement of funds, monitoring the physical and financial progress of the Project and to obtain reports and returns and clarifications as required from time to time from the Idea2PoC Innovators.

WHEREAS the Idea2PoC Innovator has conceived, a Project entitled "Economical production of eco-friendly bioplastic material for packaging segment" and submitted a proposal with amendments (hereinafter called "the Project") - for grant-in-aid assistance under Idea2PoC Scheme as per Annexure 1;

AND WHEREAS KBITS has approved the project and agreed to provide assistance to the extent of ~~INR 25 Lakhs~~ in the form of grant-in-aid to the Idea2PoC Innovator under Idea2PoC Scheme on the terms and conditions contained hereinafter in this Agreement.

All Annexures to this Agreement shall be integral part of this Agreement.

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

1. RESPONSIBILITIES OF THE Idea2PoC INNOVATOR

(a) The Idea2PoC Innovator shall:

- i. Carry out the activities of the Project and conform to the specified objectives, outputs milestones, and targets;
- ii. Meet the resources on the Project activities to the extent as agreed to, as per details given in Annexure I;

Page 2 of 1



ಕರ್ನಾಟಕ ಸರ್ಕಾರದ ನಡವಳಿಗಳು

ವಿಷಯ: ಕರ್ನಾಟಕ ರಾಜ್ಯದಲ್ಲಿ BTFS ಕಾರ್ಯಕ್ರಮದ ಪರಿಷ್ಕೃತ 2ನೇ ಆವೃತ್ತಿನಾದ ಜೈವಿಕ ತಂತ್ರಜ್ಞಾನ ಕೌಶಲ್ಯ ಉನ್ನತೀಕರಣ ಕಾರ್ಯಕ್ರಮ (BISEP) ಅಡಿಯಲ್ಲಿ ಜೈವಿಕ ತಂತ್ರಜ್ಞಾನ ಕ್ಷೇತ್ರಾಭಿಮುಖ ಕೌಶಲ್ಯಾಭಿವೃದ್ಧಿ ತರಬೇತಿಯನ್ನು ಪದವಿ ಮತ್ತು ಸ್ನಾತಕೋತ್ತರ ವಿದ್ಯಾರ್ಥಿಗಳಿಗೆ ಮುಂದುವರಿಸುವ ಬಗ್ಗೆ.

- ಓದಲಾಗಿದೆ: 1) ಸರ್ಕಾರಿ ಆದೇಶ ಸಂಖ್ಯೆ: ಐಟಿ 58 ಎಂಡಿಎ 2008, ದಿನಾಂಕ:18.07.2009.
 2) ಸರ್ಕಾರಿ ಆದೇಶ ಸಂಖ್ಯೆ: ಐಟಿ 01 ಎಂಡಿಎ 2010, ದಿನಾಂಕ:04.12.2010.
 3) ಸರ್ಕಾರಿ ಆದೇಶ ಸಂಖ್ಯೆ: ಐಟಿ 10 ಎಂಡಿಎ 2016, ದಿನಾಂಕ:21.06.2016.
 4) ವ್ಯವಸ್ಥಾಪಕ ನಿರ್ದೇಶಕರು, ಕೆಆರ್‌ಪಿ ರವರ ಪತ್ರ ಸಂಖ್ಯೆ: KBITs/02/BFC/2016-17/250 ದಿನಾಂಕ:09.02.2017.

ಪ್ರಸ್ತಾವನೆ:-

ಮೇಲೆ ಓದಲಾದ ಕ್ರಮ ಸಂಖ್ಯೆ (1)ರ ದಿನಾಂಕ:18-07-2009ರ ಆದೇಶದಲ್ಲಿ ಮಿಲೆನಿಯಂ ಬಯೋಟೆಕ್ ಪಾಲಿಸಿ-IIಯು ರಾಜ್ಯಾದ್ಯಂತ ಜೈವಿಕ ತಂತ್ರಜ್ಞಾನ ಫಿಲಿಂಗ್‌ನಲ್ಲಿ ಸ್ಕಾಲ್ (BTFS) ಗಳನ್ನು ಸ್ಥಾಪಿಸಲು ಉತ್ತೇಜನ ನೀಡಿತು. ಮೇಲೆ ಓದಲಾದ ಕ್ರಮ ಸಂಖ್ಯೆ (2)ರ ದಿನಾಂಕ:04.12.2010ರನ್ವಯ ಐದು ವರ್ಷಗಳ ಅವಧಿಗೆ [2011-2016] ರಾಜ್ಯದ 12 ಶೈಕ್ಷಣಿಕ ಸಂಸ್ಥೆಗಳಲ್ಲಿ BTFS ಸ್ಥಾಪನೆಗೊಂಡಿತು. ಸದರಿ ಕಾರ್ಯಕ್ರಮವನ್ನು ಜೈವಿಕ ತಂತ್ರಜ್ಞಾನ ಕೌಶಲ್ಯ ಉನ್ನತೀಕರಣ ಕಾರ್ಯಕ್ರಮ [BISEP] ಎಂದು ಮರುನಾಮಕರಣ ಮಾಡುವಂತೆ ಹಾಗೂ ಪದವಿದಾರರಿಗೆ ಮತ್ತು ಸ್ನಾತಕೋತ್ತರ ವಿದ್ಯಾರ್ಥಿಗಳಿಗೆ ಇನ್ನೂ 5 (ಐದು) ವರ್ಷಗಳ ಜೈವಿಕ ತಂತ್ರಜ್ಞಾನ ಕ್ಷೇತ್ರಾಭಿಮುಖ ಕೌಶಲ್ಯಾಭಿವೃದ್ಧಿ ತರಬೇತಿ ಕಲ್ಪಿಸುವುದನ್ನು ಮುಂದುವರಿಸುತ್ತಾ, ಕರ್ನಾಟಕದಿಂದ ಬರುವ ವಿದ್ಯಾರ್ಥಿಗಳಿಗಾಗಿ ಶೇ.50ರಷ್ಟು ಮೀಸಲಾತಿ ಒದಗಿಸಲಾಗಿದೆ. ಸಾಮಾಜಿಕವಾಗಿ, ಭೌಗೋಳಿಕವಾಗಿ ಹಿಂದುಳಿದವರುಗಳು ಸಮನಾಗಿ ಪ್ರಯೋಜನ ಪಡೆದುಕೊಳ್ಳುವುದನ್ನು ಖಚಿತಪಡಿಸಿಕೊಳ್ಳಲು SC/ST ವರ್ಗದವರಿಗೆ ಕಾಗೂ ಕೈರಾಗಾಣಾ ಮತ್ತು ಪ್ರದೇಶದವರಿಗೆ ಮೀಸಲಾತಿಯನ್ನು ಕಲ್ಪಿಸಲಾಗುವುದು. ಅಗತ್ಯವಿದ್ದಲ್ಲಿ, ಮಹಿಳೆಯರಿಗೂ ಮೀಸಲಾತಿಯನ್ನು ಕಲ್ಪಿಸಲಾಗುವುದು.

2) BISEP ಅಡಿಯಲ್ಲಿ ಈಗಾಗಲೇ ಮೇಲೆ ಓದಲಾದ ಕ್ರಮ ಸಂಖ್ಯೆ (3)ರ ದಿನಾಂಕ:21-06-2016ರ ಆದೇಶದನ್ವಯ ರಚಿಸಲಾಗಿರುವ BISEP ಆಯ್ಕೆ ಸಮಿತಿಯಿಂದ ಆಯ್ಕೆಗೊಳಗಾಗಿರುವ, ಈ ಕೆಳಗಿನ ಕೋಷ್ಟಕದಲ್ಲಿ ನೀಡಿರುವ 18 BISEP ಹೊಂದಿದ ಸಂಸ್ಥೆಗಳಲ್ಲಿ- ಬಯೋ-ಥೆರಾಪ್ಯೂಟಿಕ್ಸ್ / ಫಾರ್ಮಾಸ್ಯೂಟಿಕಲ್ ಉತ್ಪನ್ನ ಅಭಿವೃದ್ಧಿ; ಬೆಳೆ ತಳಿಶಾಸ್ತ್ರ ಮತ್ತು ಜೀವ ತಂತ್ರಜ್ಞಾನ; ಮಲ್ಟಿಮೀಡಿಯಾ ತಂತ್ರಜ್ಞಾನ; ಬಯೋಇನ್ಫೋಮ್ಯಾಟಿಕ್ಸ್ ಮತ್ತು ರ್ಯಾಷನಲ್ ಡ್ರಗ್ ಡಿಸೈನ್; ಸೆಲ್ಯುಲಾರ್ ಮತ್ತು ಮಾಲಿಕ್ಯುಲಾರ್ ಡಯಾಗ್ನಾಸ್ಟಿಕ್ಸ್; ಪರ್ಮೆಂಟೇಷನ್ ಮತ್ತು

ಬಯೋಪ್ರಾಸೆಸಿಂಗ್: ಫರ್ಮಂಟೇಷನ್ ಮತ್ತು ಮೈಕ್ರೋಬಯಲ್ ತಂತ್ರಜ್ಞಾನ; ನ್ಯೂಟ್ರಿಸ್ಕೂಟಿಕಲ್ಸ್ ಮತ್ತು ಆಹಾರ ಸಂಸ್ಕರಣೆ; ಕ್ಲಿನಿಕಲ್ ಸಂಶೋಧನೆ ಮತ್ತು ದತ್ತಾಂಶ ನಿರ್ವಹಣೆ; ಪ್ರೋಬ್ ಎಕ್ಸ್‌ಪ್ರೆಷನ್ ಮತ್ತು ಸ್ಕೇಲ್‌ಅಪ್ ಮತ್ತಿತರ ಮುಂಚೂಣಿ ವಲಯಗಳಿಗೆ ಮೊದಲಾದ ಜೈವಿಕ ತಂತ್ರಜ್ಞಾನ ಮತ್ತು ಜೀವವಿಜ್ಞಾನ ಶಾಸ್ತ್ರಗಳ ವಿಶಿಷ್ಟ ವಲಯಗಳಲ್ಲಿ ನಿರ್ದಿಷ್ಟ ಉದ್ಯಮಮುಖಾಂತಿ ಕೌಶಲ್ಯಗಳನ್ನು ಒದಗಿಸಲು ಪ್ರಸ್ತಾವಿಸಲಾಗಿದೆ:-

ಕೋಷ್ಟಕ : 1

ಕ್ರ.ಸಂ.	ವಿಶ್ವವಿದ್ಯಾಲಯ/ ಶೈಕ್ಷಣಿಕ ಸಂಸ್ಥೆಯ ಹೆಸರು	ಸ್ಥಳ
1	Gulbarga University	ಕಲ್ಬುರ್ಗಿ
2	J.S.S. College of Arts, Science & Commerce	ಮೈಸೂರು
3	Manipal University	ಮಣಿಪಾಲ
4	Siddaganga Institute of Technology	ಝಮಕೂರು
5	St. Aloysius College	ಮಂಗಳೂರು
6	Dayananda Sagar College of Engineering	ಬೆಂಗಳೂರು
7	Maharani Lakshmi Ammanni College for Women	ಬೆಂಗಳೂರು
8	Padmashree Institute of Management & Sciences	ಬೆಂಗಳೂರು
9	PES University	ಬೆಂಗಳೂರು
10	The Oxford College of Science	ಧಾರವಾಡ
11	SDM College of Medical Sciences & Hospital	ಧಾರವಾಡ
12	Shri Dharmasthala Manjunatheshwara College	ಉಜಿರೆ, ದ.ಕ.
13	University of Agricultural Sciences	ಧಾರವಾಡ
14	Yenepoya University	ಮಂಗಳೂರು
15	M.S. Ramaiah Institute of Technology	ಬೆಂಗಳೂರು
16	Mount Carmel College	ಬೆಂಗಳೂರು
17	Basaveshwara Engineering College	ಬಾಗಲಕೋಟೆ
18	KLE's B.V. Bhoomraddi College of Engineering & Tech.	ಹುಬ್ಬಳ್ಳಿ

(ಇದರಲ್ಲಿ ಕ್ರ.ಸಂ.1 ರಿಂದ 10 BTFS ಕಾರ್ಯಕ್ರಮದಡಿ ಇದ್ದಂತಹವರುಗಳು)

3] ಕಾರ್ಯಕ್ರಮದ ಮೇಲೆ ಮುಂಗಮನ ಹರಿಸಲಾಗಿ ಕೆಲವು ಉದ್ಯಮ ನಿರ್ದಿಷ್ಟ ಕೌಶಲ್ಯಗಳನ್ನು ನೀಡಿ ತರಬೇತಿ ಹೊಂದಿದ ಮಾನವಶಕ್ತಿಯನ್ನು ಪೂರೈಸಿ ಉದ್ಯಮದ ಅಗತ್ಯಗಳನ್ನು ಪೂರೈಸುವುದಕ್ಕೆ ಆಗಿದೆ, ವಿದ್ಯಾರ್ಥಿಗಳಿಗೆ ಮಾರ್ಗದರ್ಶನ ನೀಡಿ, ಜೈವಿಕ ತಂತ್ರಜ್ಞಾನದ ವಿವಿಧ ವಲಯಗಳಲ್ಲಿ ಉದ್ಯಮಶೀಲತೆಯನ್ನು ಪೋಷಿಸಿ ರಾಜ್ಯದೊಳಗೇ ನವೋದ್ಯಮ ಪರ್ಯಾವರಣ ವ್ಯವಸ್ಥೆಯ ವೇಗ ವರ್ಧಿಸುವುದಾಗಿದೆ. ಮಾಹಿತಿ ತಂತ್ರಜ್ಞಾನ, ಜೈವಿಕ ತಂತ್ರಜ್ಞಾನ ಹಾಗೂ ವಿಜ್ಞಾನ ಮತ್ತು ತಂತ್ರಜ್ಞಾನ ಇಲಾಖೆಯ ಸರ್ಕಾರದ ಪ್ರಧಾನ ಕಾರ್ಯದರ್ಶಿಯವರ ಅಧ್ಯಕ್ಷತೆಯ BISEP ಸಲಹಾ ಸಮಿತಿಯನ್ನು ಹಾಗೂ ಇಲಾಖೆಯ ಮಾಹಿತಿ ತಂತ್ರಜ್ಞಾನ ಮತ್ತು ಜೈವಿಕ ತಂತ್ರಜ್ಞಾನ ನಿರ್ದೇಶನಾಲಯದ ನಿರ್ದೇಶಕರ ಅಧ್ಯಕ್ಷತೆಯ ಮಾನಿಟರಿಂಗ್-ಮತ್ತು-ಸ್ಪೋರಿಂಗ್ ಸಮಿತಿಯನ್ನು ರಚಿಸಿ ರಾಜ್ಯದಲ್ಲಿ BISEP ಕಾರ್ಯಕ್ರಮದ ಅನುಷ್ಠಾನದ ಪ್ರಗತಿಯನ್ನು ಉಸ್ತುವಾರಿ ಮಾಡಿ ಸುನಿರೀಕ್ಷಿಸುವಂತೆ ಪ್ರಸ್ತಾಪಿಸಿದೆ.

4] ಐದು (05) ವರ್ಷಗಳ ಅವಧಿಗಾಗಿ ಒಟ್ಟು ಅಂದಾಜು ವೆಚ್ಚ ರೂ.44.17 ಕೋಟಿಗಳನ್ನು (ನಲವತ್ತಾಲ್ಪು ಕೋಟಿ ಹದಿನೇಳು ಲಕ್ಷ ರೂಪಾಯಿಗಳು ಮಾತ್ರ) ಒಳಗೊಂಡಿದ್ದು, ಈ ಶೇಕನ ಕೋಷ್ಟಕಗಳಂತಿರುತ್ತದೆ :-

ಕೋಷ್ಟಕ : 2

ಆ. ಮುನರಾವತೀಕರಣಕ್ಕಿಲ್ಲದ ವೆಚ್ಚ (Non Recurring cost)								
ಕ್ರ. ಸಂ.	ಉಂಟು	(ರೂ. ಕೋಟಿಗಳಲ್ಲಿ)					ಒಟ್ಟು	ವಿವರ
		1ನೇ ವರ್ಷ	2ನೇ ವರ್ಷ	3ನೇ ವರ್ಷ	4ನೇ ವರ್ಷ	5ನೇ ವರ್ಷ		
1	ಉಪಕರಣಗಳು: ಹೊಸ ಅತಿಭೇದ ಸಂಸ್ಥೆಗಳಿಗೆ, ಸಂಸ್ಥೆಯೊಂದಕ್ಕೆ ರೂ.1 ಕೋಟಿಯಂತೆ ಗರಿಷ್ಠ 7 ಹೊಸ ಸಂಸ್ಥೆಗಳಿಗೆ.	7.00	0.00	0.00	0.00	0.00	7.00	ರಾಜ್ಯ ಸರ್ಕಾರವು ಭರಿಸಲಿದೆ.
ಇ. ಮುನರಾವತೀಕರಣ ವೆಚ್ಚಗಳು (Recurring cost)								
1	ಪರೀಕ್ಷಾತ್ಮಕ- 18 ಅತಿಭೇದ ಸಂಸ್ಥೆಗಳಿಗೆ, ಒಟ್ಟು ವಿದ್ಯಾಭಿಗರ್ ಒಂದು ತಿಂಗಳಿಗೆ ರೂ.10,000/-ದಂತೆ ಒಟ್ಟು 260 ವಿದ್ಯಾಭಿಗರ್ಗಳಿಗೆ, 4ನೇ ಮತ್ತು 5ನೇ ವರ್ಷದ ನಂತರದ 18 ಅತಿಭೇದ ಸಂಸ್ಥೆಗಳಿಗೆ ಒಟ್ಟು ವಿದ್ಯಾಭಿಗರ್ ಒಂದು ತಿಂಗಳಿಗೆ ರೂ.10,000/-ದಂತೆ ಪರೀಕ್ಷಾತ್ಮಕ.	4.32	4.32	4.32	6.48	6.48	25.92	ಭಾರತ ಸರ್ಕಾರದ ಜೈವಿಕ ತಂತ್ರಜ್ಞಾನ ಇಲಾಖೆಯು ದಾಖಲಾದ ಅನುಮೋದನೆಯ ಕೇಂದ್ರಗಳನ್ನು ಭರಿಸಬೇಕಾಗುತ್ತದೆ. ರಾಜ್ಯ ಸರ್ಕಾರವು ಕೇಂದ್ರಗಳನ್ನು ಭರಿಸಲಿದೆ.
2	ಪ್ರತಿ ಸಂಸ್ಥೆಗೆ ಮ್ಯಾನ್ ಪವರ್ / ಕನ್ಸಲ್ಟಿಂಗ್/ಕಂಪ್ಯೂಟರ್/ ಕಿಚ್ಚುಕರೋಟರಿಂಗ್ ವರ್ಷಕ್ಕೆ ರೂ.6,00,000/-ದಂತೆ ಸಂಭಾವನೆ (ಪ್ರತಿ ಮಾಹಿತಿ ರೂ.50,000/- ಕನ್ಸಲ್ಟಿಂಗ್/ಕಂಪ್ಯೂಟರ್, ಕೆಮಿಕಲ್ಸ್, ಕಿಚ್ಚು, ಉಪಕರಣದ ಅಡಿಭಾಗಗಳು ಇತ್ಯಾದಿ ಕನ್ಸಲ್ಟಿಂಗ್/ಕಂಪ್ಯೂಟರ್ಗಳಿಗೆ ವರ್ಷಕ್ಕೆ ರೂ.3,50,000/- ಮತ್ತು ಸಾರಿಗೆ, ದಿನಾಂಕ ಪೂರೈಕೆ/ಕ್ಷೇತ್ರ ಪರಿಣತರು ಮುಂದಾವಣಿಯಾಗಿ ಕಂಪ್ಯೂಟರ್ ರೂ.50,000/-	1.80	1.80	1.80	1.80	1.80	9.00	ರಾಜ್ಯ ಸರ್ಕಾರವು ಭರಿಸಲಿದೆ.
3	ರಾಜ್ಯ ಸರ್ಕಾರದಿಂದ ವಿದ್ಯಾಭಿಗರ್ ಶುಲ್ಕ (ಒಟ್ಟು) ಬೆಂಬಲ: ಒಟ್ಟು ವಿದ್ಯಾಭಿಗರ್ ವರ್ಷಕ್ಕೆ ರೂ.25,000/-ದಂತೆ 180 ಸೇಟುಗಳಿಗೆ, ಹೀಗೆ 18 ಅತಿಭೇದ ಸಂಸ್ಥೆಗಳಿಗೆ.	0.45	0.45	0.45	0.45	0.45	2.25	ರಾಜ್ಯ ಸರ್ಕಾರವು ಭರಿಸಲಿದೆ.
ಒಟ್ಟು (ಆ + ಇ)		13.57	6.57	6.57	8.73	8.73	44.17	

ಕೋಷ್ಟಕ : 3

ರಾಜ್ಯ ಸರ್ಕಾರದ ನಿರೀತಿ	31.21 ಕೋಟಿಗಳು
ಭಾರತ ಸರ್ಕಾರದ ಜೈವಿಕ ತಂತ್ರಜ್ಞಾನ ಇಲಾಖೆಯ ನಿರೀತಿ	12.96 ಕೋಟಿಗಳು
ಒಟ್ಟು	44.17 ಕೋಟಿಗಳು

೨) ಮಾಹಿತಿ ತಂತ್ರಜ್ಞಾನ, ಜೈವಿಕ ತಂತ್ರಜ್ಞಾನ ಹಾಗೂ ವಿಜ್ಞಾನ ಮತ್ತು ತಂತ್ರಜ್ಞಾನ ಇಲಾಖೆಯ ಸರ್ಕಾರದ ಅಂದಿನ ಅಪರ ಮುಖ್ಯ ಕಾರ್ಯದರ್ಶಿಗಳ ಅಧ್ಯಕ್ಷತೆಯಲ್ಲಿ ಆಯ್ಕೆ ಸಮಿತಿಯು ದಿ:31.01.2017ರಂದು ಸಭೆ ಸೇರಿ, (1) ಆಯ್ಕೆ 07 (ಏಳು) ಸಂಸ್ಥೆಗಳಿಗೆ ರೂ.100.00 ಲಕ್ಷಗಳ ಒಂದು ಬಾರಿಯ Non Recurring ಅನುದಾನ, (08ನೇ ಸಂಸ್ಥೆಯಾದ ಧಾರವಾಡದ ಕೃಷಿ ವಿಶ್ವವಿದ್ಯಾಲಯಕ್ಕೆ ರೂ.100.00 ಲಕ್ಷಗಳ ಅನುದಾನವು ದೊರಕುವುದಿಲ್ಲ), (2) ಎಲ್ಲಾ 18 [ಹದಿನೆಂಟು] ಸಂಸ್ಥೆಗಳಿಗೂ 05 ವರ್ಷಗಳ ಅವಧಿಗೆ ಪ್ರತಿವರ್ಷಕ್ಕೆ ಸಂಸ್ಥೆಯೊಂದಕ್ಕೆ ರೂ.10.00 ಲಕ್ಷದ Recurring ವೆಚ್ಚಗಳ ಅನುದಾನ, ಹಾಗೂ (3) ಗರಿಷ್ಠ ಕೋರ್ಸ್ ಶುಲ್ಕವಾದ ರೂ.50,000/-ದ ಶೇ.50ರಷ್ಟನ್ನು ನಿಗದಿಪಡಿಸಿ, ಅಂದರೆ 18 [ಹದಿನೆಂಟು] ಸಂಸ್ಥೆಗಳಲ್ಲಿ ಪ್ರತಿಯೊಂದಕ್ಕೂ ನಿಗದಿಪಡಿಸಿದ ಕರ್ನಾಟಕ ನಿವಾಸಿ 20 ವಿದ್ಯಾರ್ಥಿಗಳಲ್ಲಿ ಗರಿಷ್ಠ 10 [ಹತ್ತು] ವಿದ್ಯಾರ್ಥಿಗಳಿಗೆ, ಒಬ್ಬ ವಿದ್ಯಾರ್ಥಿಗೆ ರೂ.25,000/- ರಂತೆ ಇವುಗಳನ್ನು ಒದಗಿಸುವಂತೆ ಶಿಫಾರಸ್ಸು ಮಾಡಿದ್ದು, ಈ ಠೆಳಗಿನಂತೆ ಸಲ್ಲಿಸಿರುತ್ತಾರೆ:-

ಕೋಷ್ಟಕ-4

ಕ್ರ. ಸಂ.	ವಿದ್ಯವಿದ್ಯಾಲಯ/ಸಂಸ್ಥೆಯ ಹೆಸರು	ಪುನರಾವರ್ತನೆಯಾಗದ ಉಪಕರಣಗಳಿಗಾಗಿ ಅನುದಾನ (ರೂ. ಲಕ್ಷಗಳಲ್ಲಿ)	ವರ್ಷಕ್ಕೆ ರೂ.10 ಲಕ್ಷದಂತೆ 5 ವರ್ಷಗಳಿಗೆ ಪುನರಾವರ್ತಿತ ವೆಚ್ಚದ ಅನುದಾನ	ವರ್ಷಕ್ಕೆ ಒಬ್ಬ ವಿದ್ಯಾರ್ಥಿಗೆ ರೂ.25,000/-ರಂತೆ ಗರಿಷ್ಠ 10 ವಿದ್ಯಾರ್ಥಿಗಳಿಗೆ ಕೋರ್ಸ್ ಶುಲ್ಕದ ಶೇ.50ರಷ್ಟು	ಒಟ್ಟು (ಲಕ್ಷ ರೂ.ಗಳಲ್ಲಿ)
		ಛೇ ವರ್ಷ	10ನೇ ರವೇ ವರ್ಷದವರೆಗೆ	10ನೇ ರವೇ ವರ್ಷದವರೆಗೆ	
1	Basaveshwara Engineering College, Bagalkot	100.00	50.00	12.50	162.50
2	KLE's B.V. Bhoomraddi College of Engineering & Technology, Hubballi	100.00	50.00	12.50	162.50
3	M.S. Ramalah Institute of Technology, Bengaluru	100.00	50.00	12.50	162.50
4	Mount Carmel College, Bengaluru	100.00	50.00	12.50	162.50
5	SDM College of Medical Sciences and Hospital, Dharwad	100.00	50.00	12.50	162.50
6	Shri Dharmasiddhanta Manjunatheshwara College, Ujire, D.K	100.00	50.00	12.50	162.50
7	Yenepoya University, Mangaluru	100.00	50.00	12.50	162.50
8	Institute of Agriculture Biotechnology, University of Agricultural Sciences, Dharwad	0.00	50.00	12.50	62.50
9	Dayananda Sagar College of Engineering, Bengaluru	0.00	50.00	12.50	62.50
10	Gulbarga University, Kalaburgi	0.00	50.00	12.50	62.50
11	J.S.S. College of Arts, Science & Commerce, Mysuru	0.00	50.00	12.50	62.50

12	Maharani Lakshmi Ammanni College for Women, Bengaluru	0.00	50.00	12.50	62.50
13	School of Life Sciences, Manipal University, Manipal, Udupi	0.00	50.00	12.50	62.50
14	Padmashree Institute of Management & Sciences, Bengaluru	0.00	50.00	12.50	62.50
15	PES University, Bengaluru	0.00	50.00	12.50	62.50
16	Siddaganga Institute of Technology, Tumkuru	0.00	50.00	12.50	62.50
17	St. Aloysius College, Mangaluru	0.00	50.00	12.50	62.50
18	The Oxford College of Science, Bengaluru	0.00	50.00	12.50	62.50
	ಒಟ್ಟು	700.00	900.00	225.00	1825.00

6) ಕೋರ್ಸ್‌ಗೆ ಸೇರಲು 18 ಅತಿಥಿಯ ಸಂಸ್ಥೆಗಳಲ್ಲಿ ಆಯ್ಕೆಗೊಂಡಿರುವ ಕರ್ನಾಟಕ ನಿವಾಸಿ ವಿದ್ಯಾರ್ಥಿಗಳಿಗೆ 1ನೇ, 2ನೇ ಮತ್ತು 3ನೇ ವರ್ಷಗಳಂದು ಒಬ್ಬ ವಿದ್ಯಾರ್ಥಿಗೆ ರೂ.10,000/-ರಂತೆ ಹಾಗೂ 4ನೇ ಮತ್ತು 5ನೇ ವರ್ಷಗಳಲ್ಲಿ ಒಬ್ಬ ವಿದ್ಯಾರ್ಥಿಗೆ ರೂ.15,000/-ರಂತೆ ವಿದ್ಯಾರ್ಥಿ ಫೆಲೋಶಿಪ್ ಪಾವತಿಗಾಗಿ ಸಹ ಆಯ್ಕೆ ಸಮಿತಿಯ ಶಿಫಾರಸ್ಸು ಮಾಡಿದೆ.

ಕೋಷ್ಟಕ : 5

(ಲಕ್ಷ ರೂ.ಗಳಲ್ಲಿ)

ವರ್ಷ	1ನೇ ವರ್ಷ	2ನೇ ವರ್ಷ	3ನೇ ವರ್ಷ	4ನೇ ವರ್ಷ	5ನೇ ವರ್ಷ	ಒಟ್ಟು
ವಿದ್ಯಾರ್ಥಿಗಳ ಫೆಲೋಶಿಪ್ ಮೊತ್ತ	216.00	216.00	216.00	324.00	324.00	1296.00

7) ಇತರೆ ರಾಜ್ಯಗಳಿಂದ ಬರುವ ವಿದ್ಯಾರ್ಥಿಗಳಿಗೆ ನೀಡಲಾಗುವ ವಿದ್ಯಾರ್ಥಿ ಫೆಲೋಶಿಪ್ ಮೊತ್ತವನ್ನು ಭಾರತ ಸರ್ಕಾರದ ಜೈವಿಕ ತಂತ್ರಜ್ಞಾನ ಇಲಾಖೆಯು ಛೇದಿಸುವಂತೆ ಕೋರಲಾಗಿದೆ. ಕೇಂದ್ರದ ಜೈವಿಕ ತಂತ್ರಜ್ಞಾನ ಇಲಾಖೆಯಿಂದ ಈ ವಿಷಯಕ್ಕೆ ಪ್ರತಿಕ್ರಿಯಿಸುವಲ್ಲಿ ವಿಳಂಬವಾಗುತ್ತಿದೆ. ವಿದ್ಯಾರ್ಥಿ ಫೆಲೋಶಿಪ್ ಮೊತ್ತದ ಶೇಕಡಾ 50ರಷ್ಟು ವೆಚ್ಚವನ್ನು ಇತರ ಸರ್ಕಾರಿ ಜೈವಿಕ ತಂತ್ರಜ್ಞಾನ ಇಲಾಖೆಯು ಒಂದು ಮಳೆ ನಿರೀಕ್ಷಿಸಿದರೂ ಇಲ್ಲ, ಮುಂದುವರಿಯ ಕಾರ್ಯಕ್ರಮವನ್ನು ಪ್ರಾರಂಭಿಸುವುದೆಂದು ಪ್ರಸ್ತಾವಿಸಲಾಗಿದೆ. ಅಂತಹ ಪ್ರಸಂಗದಲ್ಲಿ, ಕರ್ನಾಟಕದ ವಿದ್ಯಾರ್ಥಿಗಳಿಗೆ ಮಾತ್ರವೇ ಕರ್ನಾಟಕ ಸರ್ಕಾರದಿಂದ ವಿದ್ಯಾರ್ಥಿ ಫೆಲೋಶಿಪ್ ವೆಚ್ಚವನ್ನು ನೀಡಲಾಗುವುದು.

8) BISEP ಕಾರ್ಯಕ್ರಮಕ್ಕಾಗಿ ರಾಜ್ಯ ಸರ್ಕಾರದ ಒಟ್ಟು ಬದ್ಧತೆಯು 5 ವರ್ಷಗಳ ಅವಧಿಯಲ್ಲಿ ಈ ಕೆಳಗಿನಂತಿದೆ:-

ಕೋಷ್ಟಕ : 6

ವರ್ಷ	ಮೊತ್ತ (ರೂ. ಲಕ್ಷಗಳಲ್ಲಿ)
1ನೇ ವರ್ಷ	1141.00
2ನೇ ವರ್ಷ	441.00
3ನೇ ವರ್ಷ	441.00
4ನೇ ವರ್ಷ	549.00
5ನೇ ವರ್ಷ	549.00
ಒಟ್ಟು	3121.00

9] 1ನೇ ವರ್ಷದ ಕಾರ್ಯಕ್ರಮ ವೆಚ್ಚಕ್ಕಾಗಿ ಭಾರತ ಸರ್ಕಾರದ ಜೈವಿಕ ತಂತ್ರಜ್ಞಾನ ಇಲಾಖೆಯ ಬೆಂಬಲವು ಖಾಕಿಬರುವಂತೆಯೇ ಇಲಾಖೆಯು ಈಗಾಗಲೇ ಆಯವ್ಯಯದಲ್ಲಿ ಒದಗಿಸಲಾಗಿದೆ.

ಆರ್ಥಿಕ ವರ್ಷ 2016-17 ಆಯವ್ಯಯ ಹಂಚಿಕೆ	:	ರೂ.500 ಲಕ್ಷಗಳು
(ಲೆಕ್ಕ ಶೀರ್ಷಿಕೆ 5465-01-190-1-09-059- ಓಇ ಯೋಜನೆ ಆಐ ಪಾಲ್-ಆವ2015-16 ಮತ್ತು 0451-00-090-2-24-059-ಓಇ ಯೋಜನೆ ಆಐ ಪಾಲ್-ಆವ2016-17) ಗಳಿಂದ ವೇತನದ ಸುಸರ್ವನಿಯೋಗ	:	ರೂ.500 ಲಕ್ಷಗಳು
ಆರ್ಥಿಕ ವರ್ಷ 2017-18ರ ಆಯವ್ಯಯ ಹಂಚಿಕೆ	:	ರೂ.400 ಲಕ್ಷಗಳು
ಒಟ್ಟು	:	ರೂ.1400 ಲಕ್ಷಗಳು

10] ಮೇಲೆ ವಿವರಿಸಿದ ಕ್ರಮ ಸಂಖ್ಯೆ (4)ರ ದಿನಾಂಕ:09.02.2017ರ ವ್ಯವಸ್ಥಾಪಕ ನಿರ್ದೇಶಕರು, ಕೆಆರ್‌ಐ ರಸರ ಪ್ರಸ್ತಾವನೆಯನ್ನು ಪರಿಶೀಲಿಸಿದ್ದು, ಅದರಂತೆ ಈ ಆದೇಶ.

ಸರ್ಕಾರಿ ಆದೇಶ ಸಂಖ್ಯೆ: ಐಐಡಿ 02 ಎಂಡಿಎ 2017, ಬೆಂಗಳೂರು; ದಿನಾಂಕ: 28.07.2017

ಪ್ರಸ್ತಾವನೆಯಲ್ಲಿ ದಿವಲಿಸಲಾಗಿರುವ ಅಂಶಗಳ ಹಿನ್ನೆಲೆಯಲ್ಲಿ, ರಾಜ್ಯಾದ್ಯಂತ ಜೈವಿಕ ತಂತ್ರಜ್ಞಾನ ಕೌಶಲ್ಯ ಉನ್ನತೀಕರಣ ಕಾರ್ಯಕ್ರಮವನ್ನು 08 (ಐದು) ವರ್ಷಗಳ ಅವಧಿಗೆ ರೂ.44.17 ಕೋಟಿ (ನಲವತ್ತಾಲ್ಪ ಕೋಟಿ ಹದಿನೇಳು ಲಕ್ಷ ರೂಪಾಯಿಗಳು ಮಾತ್ರ) ಗಳ (ಭಾರತ ಸರ್ಕಾರದ ನೀಡಿಕೆಯೂ ಸೇರಿ) ಒಟ್ಟಾರೆ ಆಯವ್ಯಯದಲ್ಲಿ ಕರ್ನಾಟಕ ಸರ್ಕಾರದ ನೀಡಿಕೆಯು (ಪ್ರಸ್ತಾವನೆಯ ಕೋಷ್ಟಕ:6ಲ್ಲಿ ಕಾಣಿಸಿದೆ) ರೂ.31.21 ಕೋಟಿಗಳಂತೆ (ಮುಂಚೆಂದೂ ಕೋಟಿ ಇಪ್ಪತ್ತೊಂದು ಲಕ್ಷ ರೂಪಾಯಿಗಳು ಮಾತ್ರ) ಅನುಷ್ಠಾನಗೊಳಿಸುವ ಸಲುವಾಗಿ ಸರ್ಕಾರವು ಅನುಮೋದಿಸಿರುತ್ತದೆ.

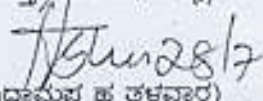
2] ರಾಜ್ಯ ಸರ್ಕಾರದ ಬೆಂಬಲದೊಂದಿಗೆ ಜೈವಿಕ ತಂತ್ರಜ್ಞಾನ ಕೌಶಲ್ಯ ಉನ್ನತೀಕರಣ ಕಾರ್ಯಕ್ರಮಗಳನ್ನು ಈ ಕೆಳಗಿನ 18 ಸಂಸ್ಥೆಗಳಲ್ಲಿ ಸ್ಥಾಪಿಸಲು ಅನುಬಂಧದಲ್ಲಿ ತಿಳಿಸಿರುವ ಷರತ್ತುಗಳೊಳಗೆ ಸುಮಂಜೂರಾತಿ ನೀಡಲಾಗಿದೆ :-

1. Basaveshwara Engineering College, Bagalkot	10. Gulbarga University, Kalaburgi
2. KLE's B.V. Bhoomraddi College of Engineering & Technology, Hubballi	11. J.S.S. College of Arts, Science & Commerce, Mysuru
3. M.S. Ramalah Institute of Technology, Bengaluru	12. Maharani Lakshmi Ammanni College for Women, Bengaluru
4. Mount Carmel College, Bengaluru	13. School of Life Sciences, Manipal University, Manipal, Udupi
5. SDM College of Medical Sciences and Hospital, Dharwad	14. Padmashree Institute of Management & Sciences, Bengaluru
6. Shri Dharmasthala Manjunatheshwara College, Ujire, D.K	15. PES University, Bengaluru
7. Yenepoya University, Mangaluru	16. Siddaganga Institute of Technology, Tumkuru
8. Institute of Agriculture Biotechnology, University of Agricultural Sciences, Dharwad	17. St. Aloysius College, Mangaluru
9. Dayananda Sagar College of Engineering, Bengaluru	18. The Oxford College of Science, Bengaluru

3) ಪ್ರಸ್ತಾವನೆಯ ಕೋಷ್ಠಕ:ರಲ್ಲ ಕಾಣಿಸಿರುವಂತೆ ಕರ್ನಾಟಕ ನಿವಾಸಿ ವಿದ್ಯಾರ್ಥಿಗಳಿಗೆ ಭೇಟಿ ವೇತನದ ಮೊತ್ತದ ಪಾವತಿಗೆ ಅನುಮೋದನೆ ನೀಡಲಾಗಿದೆ.

4) ಸರ್ಕಾರಿ ಆದೇಶ ಸಂಖ್ಯೆ: ಐಒಡಿ 10 ಎಂಒಎ 2016, ಬೆಂಗಳೂರು, ದಿನಾಂಕ:21-06-2016ರನ್ವಯ ರಚಿಸಲಾಗಿರುವ ಜೈವಿಕ ತಂತ್ರಜ್ಞಾನ ಕೌಶಲ್ಯ ಉನ್ನತೀಕರಣ ಕಾರ್ಯಕ್ರಮದ ಆಯ್ಕೆ ಸಮಿತಿಯ ಎಲ್ಲಾ ಸದಸ್ಯರುಗಳನ್ನೇ ಜೈವಿಕ ತಂತ್ರಜ್ಞಾನ ಕೌಶಲ್ಯ ಉನ್ನತೀಕರಣ ಕಾರ್ಯಕ್ರಮದ ಸಲಹಾ ಸಮಿತಿಯಾಗಿರಲು ಅನುಮೋದನೆ ನೀಡಲಾಗಿದೆ. ಕಾರ್ಯಕ್ರಮದ ಪುನರಾವಲೋಕನ ಮತ್ತು ಅನುಷ್ಠಾನಕ್ಕಾಗಿ ನಿರ್ದೇಶಕರು, ಮಾಹಿತಿ ತಂತ್ರಜ್ಞಾನ ಮತ್ತು ಜೈವಿಕ ತಂತ್ರಜ್ಞಾನ ಇವರ ಅಧ್ಯಕ್ಷತೆಯಲ್ಲಿ ಮಾನಿಟರಿಂಗ್-ಮತ್ತು-ಫೀಲಿಂಗ್ ಕಮಿಷಿಯ ರಚನೆಗಾಗಿ ಅನುಮೋದನೆ ನೀಡಲಾಗಿದೆ. ಈ ಯೋಜನೆಗೆ ತಗಲುವ ವೆಚ್ಚವನ್ನು ಮಾಹಿತಿ ತಂತ್ರಜ್ಞಾನ, ಜೈವಿಕ ತಂತ್ರಜ್ಞಾನ ನಿರ್ದೇಶನಾಲಯದ ಮುಖಾಂತರ ಕೆಆರ್‌ಎಸ್ ಸಂಸ್ಥೆಗೆ ಒಡಗೂಡಿಸುವುದು.

6) ಈ ಆದೇಶವನ್ನು ಟಿಪ್ಪಣಿ ಸಂಖ್ಯೆ: ಎಸಿಎಸ್ 2392 ಎಫ್‌ಡಿ/2017 ದಿನಾಂಕ:09.05.2017ರನ್ವಯ ಆರ್ಥಿಕ ಇಲಾಖೆಯ ಸಹಮತಿಯೊಂದಿಗೆ ಹಾಗೂ ವಿಷಯ ಪ್ರಕರಣ ಸಂಖ್ಯೆ:437/2017 ದಿನಾಂಕ:05.07.2017ರನ್ವಯ ರಾಜ್ಯ ಸಚಿವ ಸಂಪುಟದ ಅನುಮೋದನೆಯೊಂದಿಗೆ ಕೊರಡಿಸಲಾಗಿದೆ.

ಕರ್ನಾಟಕ ರಾಜ್ಯಪಾಲರ ಆಜ್ಞಾನುಸಾರ
ಮತ್ತು ಅಪರ ಹೆಸರಿನಲ್ಲಿ

(ಸಿದ್ಧಮುಪ್ಪ ಹೆ ತಳವಾರ)
ಸರ್ಕಾರದ ಅಧೀನ ಕಾರ್ಯದರ್ಶಿ,
ಮಾಹಿತಿ ತಂತ್ರಜ್ಞಾನ, ಜೈವಿಕ ತಂತ್ರಜ್ಞಾನ
ಹಾಗೂ ವಿಜ್ಞಾನ ಮತ್ತು ತಂತ್ರಜ್ಞಾನ ಇಲಾಖೆ
No.

ಇವರಿಗೆ:-

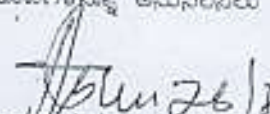
1. ಮಹಾಲೇಖಪಾಲರು (ಲೆಕ್ಕಪತ್ರ 1 ಮತ್ತು 2), ಕರ್ನಾಟಕ, ಬೆಂಗಳೂರು.
2. ಸರ್ಕಾರದ ಮುಖ್ಯ ಕಾರ್ಯದರ್ಶಿ, ಕರ್ನಾಟಕ ಸರ್ಕಾರ.
3. ಸರ್ಕಾರದ ಅಪರ ಮುಖ್ಯ ಕಾರ್ಯದರ್ಶಿ, ಆರ್ಥಿಕ ಇಲಾಖೆ, ಕರ್ನಾಟಕ ಸರ್ಕಾರ.
4. ಸರ್ಕಾರದ ಮುಖ್ಯ ಕಾರ್ಯದರ್ಶಿಯವರ ಆಸ್ತಿ ಕಾರ್ಯದರ್ಶಿ (ಸಚಿವ ಸಂಪುಟ), ದಿನಾಂಕ:09.05.2017, ಬೆಂಗಳೂರು (ಪ್ರಕರಣ ಸಂಖ್ಯೆ: 437/2017 ದಿನಾಂಕ:05.07.2017).
5. ನಿರ್ದೇಶಕರು, ಮಾತಂ, ಜೈವಿಕ ನಿರ್ದೇಶನಾಲಯ, ಶಾಂತಿನಗರ, ಬೆಂಗಳೂರು.
6. ವ್ಯವಸ್ಥಾಪಕ ನಿರ್ದೇಶಕರು, ಕೆಆರ್‌ಎಸ್, ಶಾಂತಿನಗರ, ಬೆಂಗಳೂರು.
7. ವ್ಯವಸ್ಥಾಪಕ ನಿರ್ದೇಶಕರು, ಕಾರ್ಯನಿರ್ವಹಣಾ ಸಂಸ್ಥೆ, ಶಾಂತಿನಗರ, ಬೆಂಗಳೂರು.
8. ಸಂಬಂಧಪಟ್ಟ ವಿಶ್ವವಿದ್ಯಾಲಯ / ಶೈಕ್ಷಣಿಕ ಸಂಸ್ಥೆಗಳಿಗೆ (ವ್ಯವಸ್ಥಾಪಕ ನಿರ್ದೇಶಕರು, ಕೆಆರ್‌ಎಸ್ ಮುಖಾಂತರ).
9. ಸಮಿತಿಯ ಸದಸ್ಯರುಗಳಿಗೆ (ವ್ಯವಸ್ಥಾಪಕ ನಿರ್ದೇಶಕರು, ಕೆಆರ್‌ಎಸ್ ಮುಖಾಂತರ).
10. ಶಾಖಾ ರಕ್ಷಾ ಕಡತ / ಹೆಚ್ಚುವರಿ ಪ್ರತಿ.

....

**ಸಂಖ್ಯೆ ಐಟಿ 02 ಎಂಐಎ 2017, ಬೆಂಗಳೂರು, ದಿನಾಂಕ 28.07.2017ರ ಸರ್ಕಾರಿ ಆದೇಶದ
ಅನುಬಂಧ**

ವಿಶ್ವವಿದ್ಯಾನಿಲಯ / ಶೈಕ್ಷಣಿಕ ಸಂಸ್ಥೆಗಳ ನಿರೀಕ್ಷಿಸಲಾಗುವ ಮಾಹಲಾಗುವ ಸುಪರಾವರ್ತನೆಗೊಳಿಸಿದ ಉಪಕರಣಗಳಿಗಾಗಿ ಅನುದಾನ, ಸುಪರಾವರ್ತನೆಗೊಳಿಸುವ ಅನುದಾನ ಹಾಗೂ ವಿದ್ಯಾರ್ಥಿ ಕೋರ್ಸ್ ಶುಲ್ಕದ ಶೇಕಡಾ ರಂರಷ್ಟರ ಮೊತ್ತಗಳನ್ನು ಒಂದುಗಡೆ ಮಾಡಲು ಈ ಕೆಳಕಂಡ ನಿಬಂಧನೆಗಳು ಅನ್ವಯವಾಗುತ್ತವೆ:

- ಅ) ಮಂಜೂರು ಮಾಡಲಾಗಿರುವ ಉದ್ದೇಶಕ್ಕಾಗಿ ಮಾತ್ರವೇ ವಿಶ್ವವಿದ್ಯಾನಿಲಯ/ ಶೈಕ್ಷಣಿಕ ಸಂಸ್ಥೆಗಳು ಅನುದಾನದ ಮೊತ್ತವನ್ನು ಒಳಸತಕ್ಕದ್ದು.
- ಆ) ಕರ್ನಾಟಕ ಸರ್ಕಾರದ ಮಾಹಿತಿ ತಂತ್ರಜ್ಞಾನ ಮತ್ತು ಜೈವಿಕ ತಂತ್ರಜ್ಞಾನ ಹಾಗೂ ವಿಜ್ಞಾನ ಮತ್ತು ತಂತ್ರಜ್ಞಾನ ಇಲಾಖೆಯ ಕೆಆರ್‌ಐ ಸಂಸ್ಥೆಯ ವ್ಯವಸ್ಥಾಪಕ ನಿರ್ದೇಶಕರಿಂದ ಅನುಮೋದನೆಗೊಂಡ ಸ್ವಯಂ ಪ್ರಕಾರ ನಿರೀಕ್ಷಿಸಲಾಗುವ ಕೋರ್ಸ್‌ಗೆ ಸಂಬಂಧಿಸಿದ ಅಗತ್ಯವಾದ ಉಪಕರಣಗಳು, ಪ್ರಯೋಗಾಲಯ ಸಲಕರಣೆಗಳು ಮತ್ತು ಸಂಬಂಧಿತ ಪರಿಕರಗಳನ್ನು ಸಂಸ್ಥೆಗಳು ಪ್ರಾರಂಭದಲ್ಲಿ, ಸುಪರಾವರ್ತನೆಗೊಳಿಸಿದ ಉಪಕರಣಗಳಿಗಾಗಿ ಒದಗಿಸಿರುವ ಅನುದಾನ ಬೆಂಬಲವಿಲ್ಲದ ಸಂಗ್ರಹಿಸತಕ್ಕದ್ದು ಹಾಗೂ ಅಂತಹ ಸಂಗ್ರಹದ ವಿವರಗಳನ್ನು ಒಯಿಸಿದ ಸಂದರ್ಭಗಳಲ್ಲೆಲ್ಲಾ ವ್ಯವಸ್ಥಾಪಕ ನಿರ್ದೇಶಕರು, ಕೆಆರ್‌ಐ / ಮಂಜೂರು ಪ್ರಾಧಿಕಾರಕ್ಕೆ ಒದಗಿಸತಕ್ಕದ್ದು.
- ಇ) ಹಾಗೆ ಸಂಗ್ರಹಿಸಿದ ಉಪಕರಣಗಳು, ಪ್ರಯೋಗಾಲಯ ಸಲಕರಣೆಗಳು ಮತ್ತು ಸಂಬಂಧಿತ ಪರಿಕರಗಳನ್ನು ವ್ಯವಸ್ಥಾಪಕ ನಿರ್ದೇಶಕರು, ಕೆಆರ್‌ಐ / ಮಂಜೂರು ಪ್ರಾಧಿಕಾರದಿಂದ ವಕೀಲರಾದ ನಿರೀಕ್ಷಣಾ ತಂಡದ ನಿರೀಕ್ಷಣೆ (ತಪಾಸಣೆ)ಗಾಗಿ ಪರಿಶೀಲಿಸತಕ್ಕದ್ದು. ನಿರೀಕ್ಷಣಾ ತಂಡವು ಅಂತಹ ನಿರೀಕ್ಷಣೆಯ ನಂತರ ಮಾರ್ಗಸೂಚಿಯನ್ವಯ ಅನುದಾನ ಅಡಿಯಲ್ಲಿ ಸರ್ಕಾರಕ್ಕೆ ಕಿಫಾರತ್ತು ಲೈಗೊಳ್ಳತಕ್ಕದ್ದು.
- ಈ) ಸಂಗ್ರಹಿಸಿದ ಉಪಕರಣ ವಸ್ತುಗಳು ಸಾಮಾನ್ಯ ಅರ್ಥಿಕ ನಿಯಮಾವಳಿಯಲ್ಲಿ ನಿಗದಿ ಪಡಿಸಿರುವ ವಿಧಾನವನ್ವಯ ಸರಿಪಡಿಸಲಾಗದಂತವಯ ಹಾಗೂ ನಿರುಪಯುಕ್ತವೆಂದು ಘೋಷಿಸಿದ ಹೊರತಾಗಿ, ವ್ಯವಸ್ಥಾಪಕ ನಿರ್ದೇಶಕರು, ಕೆಆರ್‌ಐ / ಮಂಜೂರು ಪ್ರಾಧಿಕಾರದ ಮೂಲಕ ಅನುದಾನವನ್ನು ತ್ಯಾಜ್ಯಗೊಳಿಸುವಂತಿಲ್ಲ.
- ಉ) ಕಾಲಕಾಲಕ್ಕೆ ನಿಗದಿಗೊಳಿಸುವ ಬೆಂಬಲ ದಾಖಲೆಗಳಾದ ಭರ್ತಿ ಮಾಡಿದ ಪ್ರವೇಶ ಅರ್ಜಿಯ, ವಿದ್ಯಾರ್ಥಿ ಶುಲ್ಕ ಪಾವತಿ ರಸೀದಿ, ಅಂಕಪಟ್ಟಿಗಳ, ಇತ್ಯಾದಿಗಳ ಪ್ರತಿಗಳನ್ನು ಸಲ್ಲಿಸುವ ಪರತ್ತಿಮೊಂದಿಗೆ ವಿದ್ಯಾರ್ಥಿ ಕೋರ್ಸ್ ಶುಲ್ಕದ ಶೇಕಡಾ ರಂರಷ್ಟರ ಮೊತ್ತವನ್ನು ಸಂಸ್ಥೆಗಳಿಗೆ ಒಂದುಗಡೆ ಮಾಡಲಾಗುವುದು.
- ಊ) ಪಡೆದ ಅನುದಾನಕ್ಕೆ ಪ್ರತ್ಯೇಕವಾಗಿ ಲೆಕ್ಕಪರಿಶೋಧಿಸಿರುವ ಲೆಕ್ಕಪತ್ರಗಳನ್ನು ಎಲ್ಲಾ ಸಂಸ್ಥೆಗಳು ನಿರೀಕ್ಷಿಸಲೇಬೇಕು: ಅನುದಾನದ ಇಡೀ ಅಭಿವಾ ಭಾಗವನ್ನು ಬಡ್ಡಿ ಗಳಿಸಲಾಗುವ ಬ್ಯಾಂಕು ಪಾವತಿಯೊಂದರಲ್ಲಿ ಇಡಬೇಕಾಗುವ ಅಗತ್ಯ ಇದ್ದಲ್ಲಿ, ಹಾಗೆ ಗಳಿಸಿದ ಬಡ್ಡಿ ಮೊತ್ತದ ಬಗ್ಗೆ ರಾಜ್ಯ ಸರ್ಕಾರಕ್ಕೆ ವರದಿ ಸಲ್ಲಿಸಬೇಕು. ಹಾಗೆ ಗಳಿಸಿದ ಬಡ್ಡಿಯನ್ನು ಸಂಸ್ಥೆಗೆ ಸೇರುವ ಆದಾಯ ಎಂದು ಪರಿಗಣಿಸಲಾಗಿ, ಅನುದಾನದ ಮುಂಚಿನ ಕಂತಿನೆಡೆಗೆ ಹೊಂದಾಣಿಕೆ ಮಾಡಬೇಕಾಗುವುದು.
- ಋ) ಎಲ್ಲಾ ಸಂಸ್ಥೆಗಳು ಒಳಕೆ ಪ್ರಮಾಣ ಪತ್ರ ಹಾಗೂ ಅನುದಾನಕ್ಕೆ ಸಂಬಂಧಿಸಿದ ಪರಿಶೋಧಿತ ಲೆಕ್ಕಪತ್ರದ ಒಕ್ಕಣೆಯನ್ನು ಪ್ರತಿ ಆರ್ಥಿಕ ವರ್ಷ ಅಂತ್ಯಗೊಂಡ ಕೂಡಲೆ ಸಲ್ಲಿಸತಕ್ಕದ್ದು.
- ಎ) ಅನುದಾನ ಪಡೆದ ಸಂಸ್ಥೆಗಳ ಲೆಕ್ಕಪತ್ರಗಳು ಮಂಜೂರು ಪ್ರಾಧಿಕಾರದ/ ಲೆಕ್ಕಪರಿಶೋಧನೆಗೆ ನಿರೀಕ್ಷಣೆ/ತಪಾಸಣೆಗಾಗಿ ಕರೆ ನೀಡಿದ ಯಾವುದೇ ಸಂದರ್ಭದಲ್ಲಿ ಸಂಸ್ಥೆಯು ಸಹಕರಿಸಬೇಕು.
- ಐ) ಸಂಸ್ಥೆಗಳು ಕಾಲಕಾಲಕ್ಕೆ ರಾಜ್ಯ ಸರ್ಕಾರದ-ಐಟಿಐಐಐಐ ಇಲಾಖೆಯ ಕೆಆರ್‌ಐ ಸಂಸ್ಥೆಯಿಂದ ನಿಗದಿಸಿದ ಎಲ್ಲಾ ನಿಯಮ, ನಿಯಮಾವಳಿ ಹಾಗೂ ಮಾರ್ಗಸೂಚಿಗಳನ್ನು ಅನುಸರಿಸಲು ಒದಗಿಸಲೇಬೇಕು.


 (ಸಹಾಯಕ ಕೆಆರ್‌ಐ)
 ಸರ್ಕಾರದ ಅಧೀನ ಕಾರ್ಯದರ್ಶಿ,
 ಮಾಹಿತಿ ತಂತ್ರಜ್ಞಾನ, ಜೈವಿಕ ತಂತ್ರಜ್ಞಾನ
 ಹಾಗೂ ವಿಜ್ಞಾನ ಮತ್ತು ತಂತ್ರಜ್ಞಾನ ಇಲಾಖೆ.





Project Title

Prototype Aerial Sprayer

To be jointly developed by

University of Agricultural Sciences, Dharwad,

KLE Technological University, Hubli

and

SkyKrafts Aerospace Pvt. Ltd., Hubli

Under Private-Public Partnership model

R. D.




SkyKrafts

Preamble

University of Agricultural Sciences, Dharwad, ("UAS, Dharwad") is a renowned institute with multiple research stations emanating multifaceted agricultural knowledge, that role now extends beyond teaching and public service research to tackling key social challenges and helping drive economic growth. UAS has identified some of the areas that are key to the future of precision farming such as spraying of fertilisers, plant nutrients and other liquids, due to the shortage of labour and hazards associated with the dispensing of harmful chemicals, UAS, Dharwad is considering to develop a prototype of an aerial sprayer such that it is easy to operate, safe and economical.

KLE Technological University ("KLE Tech"), formerly BVB College of Engineering and Technology, a pioneer technology institute that has produced a constellation of great thinkers and innovators, is constantly striving to provide enhanced opportunities for professors and graduates to work on groundbreaking research, vital inputs to keep teaching and learning on the cutting edge of a discipline, and the impact of delivering solutions for pressing global challenges. KLE Tech has identified that precision farming provides an opportunity to research on new technologies such as image processing, robotics, controls and mechanical engineering. KLE Tech is willing to provide technology bandwidth by way of it's faculty, research fellows as well as its well established research facilities to further develop the aerial sprayer.

SkyKrafts Aerospace Pvt. Ltd. ("SkyKrafts Aerospace") is a company that is working on cutting edge technologies such as Image Processing, Deep learning, Artificial Intelligence, Robotics, IoT and Sensors to make all kinds of machines safe, secure and accountable to humans. It is willing to provide with the most suitable technologies, knowhow, design, develop and customise the aerial sprayer.

The three organisations out of their own interest have agreed to further explore and develop the aerial sprayer.

Brief Introduction

Spraying of liquids such as pesticides, insecticides fertilisers and micronutrients is essential for any crop and largely decides the fate and size of the yield. Modern farming techniques have evolved to be heavily dependent on these liquids, and the quantity of these liquids have been consistently increasing, it is not uncommon where the recommended quantity of sprayed liquids can go upto 200 litres per acre.

Three of the major problems that farmers are increasingly facing while spraying liquids are

1. Hazards in handling liquids
2. Lack of availability of labour
3. Inefficient use of scarce human resource

Hazards in handling liquids

Over the years the diversity of chemical composition of various pesticides and insecticides have increased several folds, necessitating more skilled ways of handling them for application and even more specialised ways of handling them in an event of any untoward incident.

Lack of availability of labour

Large scale migration of labour from rural areas to cities have left a vacuum for able bodied labourers who can seat it out on the fields day in day out to manage spraying of large amounts of liquids, this problem exacerbates with the increasing acreage.

Inefficient use of human resource

As more and more people get educated and look for highly skilled occupations there will be a dearth of unskilled labours and this trend is likely to continue in the future, this trend create a vacuum for a large number of jobs with no takers, moreover application of a large population of the labour force to simple tasks such as spraying large swathes of land is definitely inefficient use of labour, with the increasing purchasing power mechanisation is a natural outcome.

Proposal

A presentation about the project and the underlying technologies was made on 28th October, 2016 by Dr. Prakash R Patil, Prof. and Head MCA Department, KLE Technological University and Srinivasulu Reddy, Founder and CEO, SkyKrafts Aerospace Pvt. Ltd. to the Hon'ble Vice-Chancellor, UAS, Dharwad and other dignified faculty of the UAS, Dharwad.

Since the Proposal is the first of its kind in India and is being jointly developed by the three distinguished organisations, such a project has a wide scope of application of cutting edge technologies in precision agriculture.

Since the proposal has no precedent anywhere in India, the Hon'ble Board of Management is requested to go through the proposal in it's entirety, view it as an enabler to further R&D in precision agriculture and sanction an amount of Rs. 21,00,000/- (Rupees Twenty One Lakhs only) towards the project and approve the **Prototype Aerial Sprayer** project to be jointly developed by **UAS, Dharwad, KLE Technological University, Hubballi, and M/s SkyKrafts Aerospace Pvt. Ltd., Hubballi.**

The Hon'ble Board of Management is requested to kindly consider the item and indicate decision.

Director of Research
UAS, Dharwad

PI & Co-PI's with Address

Name	Designation	Organisation	Role	Contact
Dr. Vijayendra Nargund	Prof. Plant Pathology Department	University of Agricultural Sciences, Dharwad.	PI	+919448797254
Dr. Prakash R Patil	Prof. and Head MCA Department	KLE Technological University, Hubballi.	PI	+919448821697
Srinivasulu Reddy	Founder and CEO	SkyKrafts Aerospace Private Limited, KLE-CTIE, Hubballi.	PI	+919448281378

Rationale

As more and more people are moving away from menial jobs such as agricultural spraying in favour of higher paying jobs there is an impending need to find alternative methods of spraying. recent advances in aerial platforms has made it possible to spray large farmlands effectively and in an economical way, the state of the art technologies in aerial platforms make it possible to mechanise spraying of various types of liquids such as pesticides, micronutrients, fertilisers and even water using an aerial platform, the time to develop such an application specific sprayer wouldn't be more appropriate, such a product would play an important role in agriculture and will be important to India.

Objectives

The object of this project is to develop a Prototype Aerial Sprayer that can be programmed to spray liquids in a desired density on the desired crop area with the following features

1. Spraying discharge rate of up to 6 Litres per minute
2. Spraying swath of 3 to 6 meters per second
3. Spraying speed of 4 to 8 meters per second
4. With a field tank capacity of 20 litres
5. Geo-Fencing, Terrain following, Graceful landing and Return to home

Methodology

The project will be under taken in a Private-Public Partnership, UAS, Dharwad, along with KLE Technological University, Hubballi and SkyKrafts Aerospace Pvt. Ltd., Hubballi, together these organisations are of the opinion that such a project is the need of the hour and they have the use-cases, expertise, resources, and knowledge to build a prototype aerial sprayer. At the end of the the project the Prototype Aerial Sprayer will be transferred to UAS and it's designated personnel receive adequate training to carry out spraying missions.

Project At a Glance	
Project Duration	6 weeks to deliver the aerial sprayer and 2 weeks post delivery customisation and fine tuning
Principal Investigator	Dr. Vijayendra Nargund, Prof. Plant Pathology Department, UAS Dharwad
Principal Investigator	Dr. Prakash R Patil, Prof. and Head MCA Department, KLE Technological University
Principal Investigator	Srinivasulu Reddy, Founder and CEO, SkyKrafts Aerospace, Hubballi
Resources	Faculty and Research Faculties and Resources provided by KLE Technological University, Hubballi
Technologies Knowhow	Provided by SkyKrafts Aerospace
Facilities	Testing grounds provided by UAS, Dharwad

Research programme

The joint project will be undertaken in the Innovative Projects program of UAS, Dharwad.

Duration

The project will be executed in two phases.

Phase 1 Duration: 6 Weeks

Phase 1 Objectives: Procurement of components, Assembling, Programming, Testing and Delivery

Phase 2 Duration: 2 Weeks

Phase 2 Objectives: Field Trials, Programming, Testing and Fine-tuning

Phase 1						Phase 2	
1st Week	2nd Week	3rd Week	4th Week	5th Week	6th Week	7th Week	8th Week
Procurement							
			Assemble & Test			Field trials	
				Programming			
						Testing	
							Fine tuning

Budget (Rupees in lakhs)

For the objective of the project each of the partner is willing to provide technology, knowhow, effort, finance, expertise, resources and testing grounds according to the following chart.

Item No.	Description	DAC No.	Cost in Rs Lakhs
1	Travelling and Transportation	121	0.50
1	Field Repair Kit and General Spares (Inputs, Spares and Accessories)	300	0.25
3	Handling and Labor (Contractual Services)	310	0.25
5	Aerial Sprayer according to details in Annexure - I (Non-Recurring)	700	20.00
	Total		21.00

Contribution Matrix			
	Nature of Contribution	Other contribution	Contribution in Rs. Lakhs
UAS, Dharwad	Financial	Requirements and testing grounds	21.00
KLE Tech	Resources	Secured space for development and testing	—
SkyKrafts	Knowhow, Effort and Fulfilment	Technological knowhow and skill to develop, test, program, fine-tune and deploy the aerial sprayer	—

Salient Expected Outcome

An aerial sprayer is quite possible and is the need of the hour, it would be safe to apply many of the hazardous pesticides and insecticides that are in use now a days. The system would have the advantages of being robust and cost-effective, moreover such a system will pay for itself in a reasonable period of time.

Considering impact of technology in agriculture and the trickle benefits of such a key technology to society in general, it is in the interest of each organisation to do their best and contribute towards such a project, the project is financially and technologically feasible.

The outcome of the project is an aerial sprayer with a field capacity of 20 Litres and features as listed in Annexure-I and be able to achieve the objectives of the project.

Principal Investigator



Dr. Vijayendra Nargund,
Prof. Plant Pathology
Department.

University of Agricultural
Sciences, Dharwad.

Principal Investigator



Dr. Prakash R Patil,
Prof. and Head MCA
Department.

KLE Technological
University, Hubballi.

Principal Investigator



Srinivasulu Reddy,
Founder and CEO,

SkyKrafts Aerospace Private
Limited, Hubballi.

Annexure - I

Details of Aerial Sprayer	
Company	SkyKrafts Aerospace Pvt. Ltd., India.
Type of Company	Indian Technology Startup
Product Range	Drones for Agricultural, Commercial and Consumer applications. Made In India
Frame Material and Technology	3K Carbon Fibre and Aircraft Grade Aluminium Frame, fully integrated and modular frame technology
Empty Weight	18 Kg
Payload	40 Kg Excluding Batteries
Optimal Liquid Payload	20 Litres
Battery	2 Nos 22 Ah @ 22V
Flight Time / Endurance	15 mins
Coverage Speed	1 to 8 meters per second
Spraying Rate	1 to 6 Litres per min
Spraying Swathe	3 to 6 meters
Discharge	6 to 8 nozzle modular pressurised system
Water Resistance	Vital Components
Flight Controller	Advanced Autopilot with Failsafe override
Technology	Largely Open Source and Custom components
Mission Control	Yes
Geo Fencing	Yes
End user programmability	Absolutely Possible
Warranty	1 Year
Company Website	www.skykrafts.com
Nature of Project	Private-Public-Partnership
Project Partners	<ul style="list-style-type: none"> • University of Agricultural Sciences, Dharwad • SkyKrafts Aerospace Pvt. Ltd. • KLE Technological University
Local Contribution	Technology Development
Cost of developing Aerial Sprayer	Rs. 20,00,000/- (Rupees twenty lakhs only)

Annexure-II

Modalities of Development of Prototype Aerial Sprayer

A joint project being developed in collaboration under Private-Public Partnership along with KLE Technological University and SkyKrafts Aerospace Pvt. Ltd. both of which are very reputed organisations in their domains.

The project is highly innovative and no other organisation in India has set a precedent in such as a project, offering both unique opportunities and challenges.

Modalities:

1. The final output of the joint development which is a Prototype Aerial Sprayer will be owned and operated by UAS, Dharwad.
2. KLE Technological University provides facilities and faculties to develop and test the Prototype Aerial Sprayer.
3. SkyKrafts Aerospace Pvt. Ltd. will design, develop and customise all the components as well as test the Prototype Aerial Sprayer.
4. UAS, Dharwad will provide requirement specifications as well as conduct field trials of the Prototype Aerial Sprayer.
5. It is to be noted that majority of the components are still imported at this time, hence UAS, Dharwad needs to facilitate import duty exemption on all the imported components, parts and tools.
6. The procedure to purchase the materials / equipment will be done according to e-tendering as per the university rules and norms.
7. Training and demonstration will be given to students / staff who are involved to both UAS Dharwad and KLE Technological University Hubballi in handling the equipment.

Considering that this is an innovative project with the goal of fostering local talent in advanced technologies and indigenising such technologies it is preferred to award the project to Indian Partner(s) thus strengthening the **Make In India** moment.

Further to the successful execution of this project, scaling up and commercialisation can be undertaken jointly by all the partners, subject to fair share of investments, risks and rewards.



UNIVERSITY OF AGRICULTURAL SCIENCES, DHARWAD
No. DR/T-2/SIRP/746/2016-17

Directorate of Research
Krishinagar, Dharwad-5
Date: 27.10.2016

ORDER

Sub : Allocation of budget for Collaborative Research Project with BVB Engineering College, Hubli - reg.


Ref : 1. No. BCT No.97/2016-17 dated: 20.10.2016
2. The Recommendation of ADR (HQ), UAS, Dharwad.


Allocation of budget has been made to Dr. Geeta Shirmalli, Sr. Microbiologist, AICRP on RES (Bioconversion Technology), UAS, Dharwad for the project entitled "Development of Membrane Filter Technology for increasing heat efficiency of biogas for power generation" - Collaborative Research Project with UAS, Dharwad and BVB Engineering College, Hubli, for the financial year 2016-17 under Special Innovative Research Programme - Ab. A/c. No. 6118 DAC 700 as detailed below.

Particulars	DAC	Amount (Rs. In lakhs)
NRC	700	10.00
Total Rs.		10.00

The Scientist is informed to conduct the research as per the proposal and submit the consolidated progress reports regularly. The drawing officer for the operation of the budget is Senior Farm Superintendent, MARS, Dharwad. Financial sanction may be obtained from the concerned officers as per the delegation of financial powers vide order No. C/S IV/29/FS/2002-03 dtd: 11.06.2002 with a copy of the same to the undersigned.

The PI of concerned Research Project is hereby informed to book the expenditure at an earliest, subject to follow of Purchase & Accounts Procedures prevailing in UAS, Dharwad.


Director of Research
U.A.S., Dharwad

To, 
Dr. Geeta Shirmalli,
Sr. Microbiologist,
AICRP on RES (Bioconversion Technology),
UAS, Dharwad

CWC to : 1. The Comptroller, UAS, Dharwad.
2. The ADR(HQ), UAS, Dharwad.
3. The Senior Farm Superintendent, MARS, Dharwad.
4. The PS to Vice- Chancellor, UAS, Dharwad.



4-c
4-007

Draft
F.No. NRDMS/11/2013/Phase-III
Government of India
Ministry of Science & Technology
Department of Science & Technology

8

Technology Bhavan.
New Mehrauli Road.
New Delhi - 110016
Date:

Sub: Financial assistance for the project entitled "GeoICT - Indian Digital Heritage (IDH-Hampi) - Phase - III (Digital Capture of Culture & Heritage)

PI: Prof S. Ranganathan, Dean, School of Humanities, National Institute of Advanced Studies (NIAS), IISc Campus, Bangalore - 560012.

Sanction of the President is conveyed to sanction the captioned project related to IDH-Hampi, Phase-III (Digital Capture of Culture & Heritage) at a total cost of Rs. 165.916 lakhs (Rupees one crore sixty five lakhs ninety one thousand six hundred only). The IDH-Hampi is being co-ordinated by National Institute of Advanced Studies (NIAS) Bangalore.

2. The detailed break-up of budget (Project-wise, Year-wise, Head-wise) is as under and detailed Head-wise allocation is as per Annexure-A.

3. The break-up of the sanctioned amount to the following component Institutions will be as per the details given below:

S.No.	PI & Affiliation	1 st yr	2 nd yr	3 rd yr	Total Budget (Rs. in lakhs)
1	Prof Settar, NIAS, Bangalore	9.412	9.112	9.736	28.26
2	Dr Prithviraj, KSCST, Bangalore	24.516	98.516	0.000	123.032
3	Prof Uma Mudenagudi, BVBCET, Hubli	10.562	4.062	14.624	14.624
	Total in Rs Lakhs	44.49	111.69	24.36	165.916

4. Sanction of the President is also accorded to make an initial release of Rs. 34,31,333/- (Rupees thirty four lakhs thirty one thousand three hundred and thirty three only) to NIAS, Bangalore. NIAS in turn shall release the budget as per given below to the component institutes.

Sl.No.	Name of Component Institution	1 st Release (Rs. in lakhs)
1	Prof S Settar, NIAS, Bangalore	9.412
2	Dr M Prithviraj, KSCST, Bangalore	14.33933
3	Prof Uma Mudenagudi, BVBCET, Hubli	10.562
	Total	34.31333

Ady of BAC
To Chandan
DST: funds
file.

21/3/2013

700-11

The amount of Rs. 24,33,333 (Rupees twenty four lakhs thirty three thousand and three hundred and thirty three only) will be drawn by the Drawing and Disbursing Officer, Department of Science & Technology and will be disbursed through Bank transfer in favour of **The Director, National Institute of Advanced Studies (NIAS), IISc Campus, Bangalore - - 560012** through A/c No. 10270575260, IFSC Code: SBIN0002215, State Bank of India, IISc Campus, Bangalore Urban, Karnataka.

6. The expenditure involved is debitable to Demand no. 85, Department of Science and Technology:

3425	Other Scientific Research (Major Head)
60	Other (Sub Major Head)
60.200	Assistance to other scientific bodies (Minor head)
26	Technology Development Programme
26.00	Grant-in-aid for Technology Development Programme
26.00.31	Grants-in-aid for the year 2012-2013 (Plan) (NRDMS Programme)

7. NIAS and Host Institutes shall maintain separate audited accounts for the release(s). If it is found expedient to keep a part or whole of the grant in a bank account earning interest, the interest earned should be reported to DST. The interest thus earned will be treated as a credit to NIAS/Host Institute to be adjusted towards further installment of the grant.

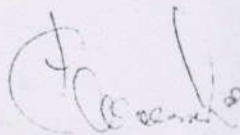
8. After receipt of funds from DST, NIAS in turn, shall bifurcate and transfer to all institutes as per list at Sl. No. 4 above within two weeks from the date of receipt of funds from DST.

9. As per rule 21(1) of GFR, the accounts of the grantee institution shall be open to inspection by the sanctioning authority/ audit whenever the Institution is called upon to do so.

10. NIAS shall submit consolidated and project-wise separate U/C & S/E to DST every financial year closure till completion of the project. The sanctioning of the above amount is subject to terms and conditions as contained in the Annexure A.

11. This sanction is issued in exercise of the powers conferred on this Department and in consultation with the IFD vide their Sanction No. 100/IFD/8264/2012-13 dated 21/03/13.

12. It has been entered at Sl. No. 142/19 in the Register of Grant (2012-13)


(K.R. MURALLMOHAN) 21
Scientist -F

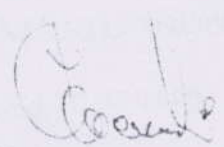
To
The Pay and Accounts Officer, DST, New Delhi

Copy forwarded for information and necessary action to:

1. The Director of Audit (CW & M-II), Indraprastha Estate, AGCR Building, New Delhi.

4.
4-007

2. Copy with a spare copy of sanction to the Drawing and Disbursing Officer, DST, Cash Section for making necessary payment to Grantee.
3. IF Division, DST, New Delhi.
4. Accounts Section, DST, New Delhi.
5. Vigilance Unit, DST.
6. Sanction Folder.
7. Head, NRDMS & CEO, NSDI, DST
8. The Director, National Institute of Advanced Studies (NIAS), IISc Campus, Bangalore - 560012.
9. The Hon Secretary, Karnataka State Council for Science & Technology, Indian Institute of Science, Bangalore - 560 012
10. The Director, B V Bhoomaraddi College of Engineering & Technology, Hubli - 580031, Karnataka
11. Prof S Ranganathan, IDH—Hampi Culture & Heritage projects Co-ordinator, National Institute of Advanced Studies (NIAS), Indian Institute of Science Campus, Bangalore - 560012
12. Prof S. Settar, School of Humanities, National Institute of Advanced Studies, Indian Institute of Science Campus, Bangalore - 560012
13. Dr M. Prithviraj, Executive Secretary, Karnataka State Council for Science and Technology, Indian Institute of Science, Bangalore - 560 012.
14. Prof Uma Mudenagudi, Department of Electronics and Communications B V Bhoomaraddi College of Engineering & Technology, Hubli - 580031, Karnataka
15. File


(K.R. MURALI MOHAN)
Scientist -F



Tel. No/दूरवाणी सं.:080-25057038

Fax No/फैक्स सं.:080-25283188

कृपया अपना जवाब निदेशक के नाम पर ही भेजें न कि किसी अधिकारी के नाम पर
Please address your reply to the Director and not to any Officer by name



सं./No. ADE/ TMS/14923/CARS - 1301
वैमानिकीय विकास संस्थापन
Aeronautical Development Establishment
डी. आर. डी. ओ.
Defence Research & Development Orgn
रक्षा मंत्रालय, भारत सरकार Ministry of Defen
Government of India
तिप्पसन्द्रा, बँगलोर - 560075
New Thippasandra, Bangalore-560075
दिनांक/ Date: 21 - APR-2016

सेवा में/To

The Principal
BV Bhoomaraddi College of Engineering and Technology
Vidhyanagar, Hubli - 580031

CLOSURE OF CARS PROJECT "DECESION FUSION FRAME WORK FOR ROBUST HORIZON DETECTION FOR ATTITUDE ESTIMATION OF MAV"
(Contract No. ADE/CARS/2013/01)

Reference is made to

- (i) CARS project sanction letter No. ADE/TMS/14923/CARS-1301 dated 02nd September 2013 and
- (ii) Amendment letter No. ADE/TMS/14922/CARS-1301/A-1 dated 10th June 2015

2. Approval of Director, ADE for the final closure of CARS project titled "DECESION FUSION FRAME WORK FOR ROBUST HORIZON DETECTION FOR ATTITUDE ESTIMATION OF MAV" with CARS Project No. ADE/CARS/2013/01 is hereby conveyed.

3. The financial status of the CARS project, on closure, is as follows:-

Sl.	Particulars	Amount
01	Amount Sanctioned	₹ 9,70,000/-
02	Amount as per Revision/Re-appropriation	₹ 8,96,014/-
02	Amount Paid to institute	₹ 8,96,014/-
03	Project Expenditure (as per expenditure statement from Institute)	₹ 8,96,014/-
04	Balance (if any)	NIL

B. V. Bhoomaraddi
Engg. & Tech. Institute
Inw. No... 321
Date... 29.04.16
(Subbukutti. S) Sc. F
सुब्बुकुट्टी एस, विज्ञानिक 'एफ'
For DIRECTOR, ADE

Copy to:

1. Dr. Uma Mudenagudi, Prof. & HOD
Department Of Electronics and Communication,
BVB College of Engineering, Hubli
2. Head (MMD)
3. Head (B&A)
4. Head(AIEL)



UAS FUNDING DETAILS (SANCTIONED)

09

UNIVERSITY OF AGRICULTURAL SCIENCES, DHARWAD

No. DR-SRP/T-4/4.1/90/2015-16

1542-B

Directorate of Research
Krishnagar, Dharwad- 580 005
Date : 09-07-2015

ORDER

Sub :Sanction and Allocation of budget for Staff Research Project for 2015-16- reg.

Ref : 1. Proceedings of the SRP Review Meeting held on 7-8 July, 2015

2. Approval of the Hon'ble Vice-Chancellor, UAS, Dharwad dated: 9th July, 2015

Allocation of budget has been made for the financial year 2015-16 for Staff Research Project under Ab A/c No. 6101/6140/6141 as detailed below.

DR. No.	Project Title	PI	Co-PI	Durat ion (Yrs)	Partic ulars	DAC	Amount (Rs. In lakhs)
156	Development of membrane filter technology for increasing heat efficiency of biogas for power generation	Dr. Shirnalli Geeta	Dr. Desai S.R., Dr. Banapurmath, N.R. Dr. Revankar, P.P, Dr. Sajjan Ashok M.	1	TA	121	0.00
					ORC	300	3.00
					POL	301	0.25
					CS*	310	0.00
					NRC	700	11.35**
Head of Acct. : 6101				Total Rs.		3.25	

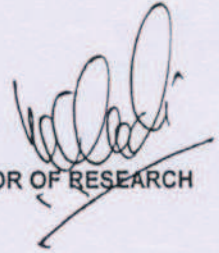
* Student Fellowship

** Will be metout of development grants of D'ate of Research

The Scientist is informed to conduct the research as per the proposal and submit the consolidated progress reports regularly. The Financial Sanction may be obtained from the concerned officers as per the delegation of financial powers vide order No. C/S-IV/29/FS/2002-03 dated 11-06-2002 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. Comtroller, MARS, Dharwad


DIRECTOR OF RESEARCH

To
Dr. Shirnalli Geeta
Professor, AICRP on Biogas,
MARS, Dharwad

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

