

KUVEMPU UNIVERSITY

Govt. of Karnataka, State Public University

Jnanasahyadri Campus, Shankaraghatta-577451, Shivamogga District, Karnataka

Supporting Documents pertaining to the following Metric:

3.1.2: The institution provides seed money to its teachers for research (average per year).

3.1.2.1: Amount of seed money provided by institution to its teachers for research year wise during last five years (INR in lakhs).

3.1.2 The institution provides seed money to its teachers for research			
3.1.2.1: The amount of seed money provided by institution to its faculty year- wise during the last five years (INR in lakhs)			
S.No	Name of the faculty recipient of Seed Money	Date of grant DD-MM-YYYY	Amount granted (INR in Lakhs)
for Two Financial Years (2020-2021 & 2021-2022)			
1	Dr. Devidas Gaibanna B, Principle Investigator, P.G. Dept of Physics	21-12-2020	2,00,000-00
2	Dr. Basavarajappa S.H., Principle Investigator, P.G. Dept. of Environmental Science	21-12-2020	2,00,000-00
3	Dr. Ravindra Gowda S.M., Principle Investigator, P.G. Dept. of Physical Education	21-12-2020	1,00,000-00
4	Dr. Shrishail, P.G. Dept. of Applied Botany	21-12-2020	2,00,000-00
5	Dr. Pradeepa K., U.G. Dept. of Biotechnology, Sahyadri Science College, Shivamogga	21-12-2020	2,00,000-00
6	Dr. Varnukumara J.B., U.G. Dept. of Biochemistry, Sahyadri Science College, Shivamogga	21-12-2020	2,00,000-00
7	Shashiraj U., U.G. Dept. of Studies in Tourism Administration, Sahyadri Commerce & Management College, Shivamogga	21-12-2020	1,00,000-00
8	Dr. Madhuri G.R., Principle Investigator, P.G Dept of Electronics	02-02-2021	2,00,000-00
9	Dr. Shwetha A., P.G Dept. of Applied Zoology	22-03-2021	2,00,000-00



Jnanasahyadri Campus, Shankaraghatta
Shivamogga-577 451, Karnataka

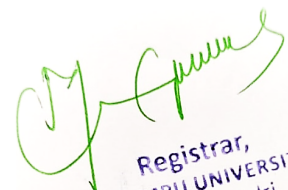
SEED GRANT POLICY



2024

DISCLAIMER

To whomsoever it may concern, it is hereby declared that some part of the content herein may reflect the essence of policy from other institutes/ universities and it is being duly acknowledged. In some cases the same content is copied to maintain the essence of the policy and also to convey the correct meaning or interpretation of the aspects being dealt. Since the terms related to Seed Grants awarded to the faculty among the institutes/ universities are very much common in nature and hence the language of the content remains same. Therefore, the essence and framework that has been copied or captured is in no intention to intentionally copy or infringe the Copy right.



Registrar,
KUVEMPUR UNIVERSITY,
Inana Sahyadri,
Shankaraghatta-577 451.
Shivamogga District
Karnataka State.



Promotion of Research among Newly Recruited Young Faculty

Preamble:

Research is one of the prime activities in any university after academics. All the faculty essentially involve themselves in research thus promoting innovations. Hence, promotion of Research is one of the major promotional activities of the Kuvempu University. The University provides 'seed money' in the form of 'Minor Research Projects' to its young and newly appointed faculty to undertake research in the area of their interest or to continue their post-doctoral studies. The university provides the grants from its internal sources which are made available to conduct research in various disciplines that are focused upon contributing towards theoretical, experimental, empirical, conceptual, and methodological or policy orientation in subject/s of their choice.

The specific objectives of the programme are:

1. To encourage high quality independent research programme.
2. To provide opportunities to young researchers to train themselves for future research.
3. To contribute to the development of new theoretical/experimental or methodological approaches to research.
4. To promote various inter-disciplinary research activities.
5. To emphasize on research activities of the thrust areas identified by the university with more prominence on the regional requirements.
6. To foster and promote inter and intra collaborative, multidisciplinary research activities among researchers.
7. To facilitate communication of research outputs both within and beyond the academic community as well as to provide inputs to administrators and policy makers and to help in development of a broader research proposal soliciting funds from a national/international/industry funding agency.

The research projects shall be mainly minor projects with duration of up to one year. The proposals are invited, scrutinized, processed and awarded as per the guidelines.

General Guidelines for Research Projects and Programmes

1. Introduction

Kuvempu University in Shimoga places a strong emphasis on promoting research as a key objective. Beyond fostering an environment that encourages exploration in advanced fields, the university aims to enhance the skills of young researchers by actively engaging them in ongoing research efforts. Faculty members receive research funding to pursue innovative projects across various disciplines, focusing on theoretical, conceptual, methodological, or policy-related issues.

Research projects can belong to any specific discipline or adopt a multidisciplinary approach. All subjects currently taught at the university are included in this initiative. Additionally, the



university may identify emerging fields for targeted research proposals. High-impact studies, even if focused within a single discipline, are also eligible for consideration.

2. Eligibility

All the teachers of the Kuvempu University in the cadre of Assistant Professor and Associate Professor are eligible to apply for the scheme. The teachers should have demonstrated an interest in high quality research as may be evident by past studies, publications and academic background. In case the project has Co- investigator(s), they should have proven research record.

3. Application Procedure

Applications will be invited through a notification issued by the University through an advertisement on university website.

After completion of application in MS Word file, both soft and hard copies with necessary enclosures to be sent to the : The Director, Research and Development, Kuvempu University, before the last date of submission through proper channel.

The Applicants are required to submit an Abstract and a detailed Research Proposal in the given format including detailed CV of the Principal Investigator, Co- investigator(s) and the budget.

Research proposals and final reports should either be in English or Kannada.

4. Procedure for Award

Applications would be initially scrutinized by Expert Committees constituted by the University. In case there are any suggestions for improvement, the same would be sent to the investigator(s) before the final award.

The recommendations of the Expert Committees would be considered for selecting a proposal for final award.

5. Duration and Value

Research Projects shall have up to one year's duration.

Since it is a start-up/seed grant, the maximum financial assistance is limited to Rs.50,000- (Rupees Fifty thousand only) for Science stream and Rs. 25,000/- (Rupees Twenty five thousand only), for Arts, Commerce and Education streams.

The amount will be disbursed in two equal installments – 60 per cent as an advance and the remaining 40 per cent after submitting the midterm evaluation report.

The Institute/group of scholars will frame the budget subject to the following broad expenditure sub-heads:

Sl. No.	Heads of Expenditure	Value*
1	Fieldwork/Travel/Glassware/Chemicals/Minor Equipments/Expt.Out. Source etc.	Up to 60% of total budget
2	Source Material/Software and Data Sets, Books/Journals etc.	Up to 25% of Total budget
3	Contingency and Miscellaneous	15%
4	TOTAL	100%

**Deviation may be allowed on case-by-case basis.*



All equipment and books purchased out of the project fund shall be the property of the Department/University.

The Principal Investigator should acknowledge the KU research support in all publications resulting from the programme output (Research Paper, Books, Articles, Reports, etc.) and should submit a copy of the same to the University during its course and after completion.

6. Monitoring of Research Project

The University may constitute an Advisory Committee, if needed, to monitor the progress of the project.

During the course of the project, the Principal Investigator/Co-Investigators are required to publish minimum one research paper in a SCOPUS indexed/UGC CARE journal(s) on the theme of the research undertaken, duly acknowledging the KU support for the research.

The University may, at any time ask for the progress of the study and verification of accounts and other relevant documents related to the Project.

Mid Term Appraisal of Research Project: The KU will hold mid-term review of research project through a team of consultants/experts nominated for the purpose.

7. Completion of the Project

On completion of the study, the Principal Investigator/Co-Investigators should submit the following:

1. A Book-length final Report in a publishable form along with an Executive Summary of the report (5000 words). Both documents should be submitted in hard format (two copies of final report and five copies of summary) and soft copy of the same in CD.
2. Copies of research papers /reports, etc. on the theme of research, published in reputed research journals during the period of study.
3. Any data collected during the project must be made available for use by other researchers/reviewers.

8. Conditions

The duration of the project shall not exceed one year.

The Final Report may be submitted within one month after completion of the duration of Project. However, extension for submission of the final report may be granted only in exceptional circumstances without any additional financial burden on the University.

Same research proposal cannot be submitted to other funding agencies.

No request for additional grant in excess of the sanctioned budget will be considered.

The Principal Investigator/Co-Investigators shall be personally responsible for timely completion of the Project.



8.5 The Project proposal/final report cannot be submitted for the award of any University degree/diploma or funding by any Institution by any member of the project staff, including the project director. The University, however, will have no objection, if any member of the project staff utilizes the project data for the purpose of further publication or submitting it for any award/degree/diploma. However, while doing so the university support should be acknowledged.

All accounts shall be maintained as per the existing Kuvempu a State Financial Code, KTPP Act and other rules, as changed from time to time.

While the bills/vouchers are to be directly submitted to the Accounts Section, it is the responsibility of the Principal Investigator/Co-investigators that the accounts are audited and an audited utilization certificate is submitted within one month from the date of submission of the final report.

All the process related to submission of accounts should be completed before 31st March (of subsequent year).

Any books/journals/equipment procured out of this research grant shall be the property of the concerned Department, after the project is completed and maintain Departmental Stock Register.


REGISTRAR
KUVEMPU UNIVERSITY
Jnana Sahyadri,
Shankaraghatta-577 451.
Shivamogga District
Karnataka State.



APPLICATION PROFORMA FOR GRANT OF RESEARCH PROJECT

(To be filled in by the Principal Investigator/Researcher)

- 1. Title of the Project :**
- 2. Name and Designation of the Principal Investigator :**
- 3. Name and Designation of the Co-Investigator (if any) :**
- 4. Postal Address of the Principal Investigator and Co-Investigator**
 - i. Address :**
 - ii. Country :**
 - iii. Contact No: Landline: :**
Mobile No: :
 - iv. Email :**
 - v. Institutional :**
- 5. Date of Proposal Submission :**
- 6. Total Budget Amount(INR) :**
- 7. Name of the Institution (s)/ organization(s) in which the project will be carried out :**
- 8. Duration of the Project :**
- 9. The detailed project proposal consists of the following**
 - a) Research Title :**
 - b) Detailed literature survey :**
 - c) Objectives :**
 - d) Research Problem: Provide a clear and simple description of the Research Problem (maximum two pages) :**
 - e) Significance of the Research Hypothesis/Research Questions to be tested :**
 - f) Detailed Methodology :**
 - g) Ethical Considerations (if any) :**
 - h) Minimum required tenure of the project :**
 - i) Practical relevance/utility of the project :**
 - j) Expected outcomes of the project :**



- k) Agencies which can utilize the results of the project :
- l) Commercial feasibility of the project :
- m) Statement of originality and certification on No Duplication with existing work/ongoing projects
Biographical Sketch of the investigator(s) detailing research credentials and research papers published in the area of the proposed research project (Annexure-I)
Project budget details(Annexure-II)

RESEARCH PUBLICATIONS

Annexure- I

Sl. No.	NAME/ TITLE OF THE JOURNAL	YEAR OF PUBLICATION	INDEX/ISSN/ISBN/ WITH IMPACT FACTOR	REFERRED	NON- REFERRED	CONFERENCE PROCEEDINGS	POPULAR

RESEARCH PUBLICATIONS

Annexure- I

Sl. No.	TITLE OF THE PROJECT	MAJOR/ MINOR	SPONSORED/ CONSULTANCY	FUNDING AGENCY	AMOUNT SANCTIONED	PROJECT OUTCOME	EVALUATION SCORE	TIME PERIOD

DECLARATION

I solemnly declare that the particulars/information/statements furnished in this application are correct and true to the best of my knowledge and belief.

Signature of the applicant

KUVEMPU UNIVERSITY

Vishwavidyalaya Karyalaya, Jnana Sahyadri, Shankaraghatta-577451
Accredited by NAAC with "A" Grade & Ranked 73rd by NIRF

Office Order

- Subject :** Approval of Start-Up Research Grant to Dr. Varunakumara J.B., Assistant Professor, Dept. of Biochemistry, Sahyadri Science College, Shivamogga - Reg.
- Ref:**
1. No. KU/DV-4/177/2020-21/1537. Dated: 28-08-2020
 2. Research Review Board meeting. Dated: 20-10-2020
 3. Approval of Hon'ble Vice-Chancellor. Dated: 16-12-2020.

Preamble :

The Kuvempu University strives to promote Teaching and Research in emerging areas in Basic Science, Humanities, Social Sciences, Languages, Literature, etc. The main focus would be supporting such areas with cutting edge research in different disciplines.

Therefore, the Project proposals were invited from the eligible faculty members under the Start-Up Research Grant in the prescribed form (Ref.1). In this connection, the Principal Investigators of various departments have submitted their proposals. The meeting of the Research Review Board has examined and recommended the project proposals (Ref.2). The Board has recommended to sanction an amount of Rs.2,00,000-00 (Rupees two lakhs only) for Science faculty teachers as seed money for research purpose for the duration of 12 months.

Order No: KU/DV-4/177/2020-21/ 3978 . /Dated:21-12-2020

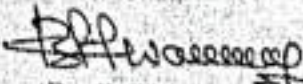
In view of the facts detailed above and approval of the Hon'ble Vice-Chancellor (Ref. 3) an amount of Rs.2,00,000-00 (Rupees two lakhs only) has been sanctioned to Dr. Varunakumara J.B., Assistant Professor, Dept. of Biochemistry, Sahyadri Science College, Shivamogga-577203 for the project entitled "Synergistic approach towards cardiovascular protection by designing of biodegradable nanocarriers loaded with nutraceutical and statin" as seed money for research purpose for the duration of 12 months with effect from 01-01-2021 to 31-12-2021.

The allocation of head is as follows .

Sl No.	Head	Amount in Rs.
01	Minor Equipments	1,00,000-00
02	Chemicals / Glasswares	70,000-00
03	Travel / Field work	20,000-00
04	Contingency	10,000-00
	Total	2,00,000-00

The above amount is chargeable to the head of account "1 AC 5.2/Research project funding for Start-up Scheme / Incubation centre" of the University budget for the financial year 2020-21 and 2021-22.

Draft Approved
by the Registrar


(Dr. B. Thippeswami) 21/12/2020
DEPUTY REGISTRAR
Deputy Registrar (Development)
Kuvempu University
Jnana Sahyadri
Shankaraghatta-577451
Shimoga (Dist.) PTO

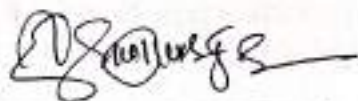
Financial Assistance provided/ Expenditure incurred:

Sl. No.	Items	Total Amount Sanctioned	Expenditure Incurred
1	Minor Equipments	1,00,000/-	99,800/-
2	Chemicals/Glasswares	70,000/-	70,000/-
3	Travel/Field work	20,000/-	19,980/-
4	Contingency	10,000/-	9,844/-
	Total	2,00,000/-	1,99,624/-



UTILIZATION CERTIFICATE

It is Certified that the Research grant of Rs. 2, 00,000/- (Rupees Two Lakhs only) sanctioned from the Kuvempu University under the scheme of support for Start-Up Research grant entitled: "Synergistic approach towards cardiovascular protection by designing of biodegradable nanocarriers loaded with nutraceutical and statin", Order No: KU:DV-4:177:2020-21:3978, Dated: 21.12.2020. The total sanction amount is Rs. 2, 00,000/-. Out of which a sum of Rs. 1,99,624/- (Rupees One lakh ninety-nine thousand six hundred and twenty four only) has been utilized for the purpose of which it was sanctioned in accordance with the terms and condition laid down by the Kuvempu University.



PRINCIPAL INVESTIGATOR
(SIGNATURES WITH SEAL)

Dr. Varunakumara. J.B. M.Sc., Ph.D.,
Assistant Professor
Department of Biochemistry
Sahyadri Science College
Kuvempu University
Shivamogga-577 203, Karnataka, India



PRINCIPAL
(SIGNATURES WITH SEAL)

PRINCIPAL
SAHYADRI SCIENCE COLLEGE
(Constituent College of Kuvempu University)
SHIMOGA, Karnataka State.

FINAL REPORT OF THE WORK DONE ON THE PROJECT:

1. TITLE OF THE PROJECT: "Synergistic approach towards cardiovascular protection by designing of biodegradable nanocarriers loaded with nutraceutical and statin"
2. NAME AND ADDRESS OF THE PRINCIPAL INVESTIGATOR :
Dr. Varunakumara J B Assistant Professor, Department of Biochemistry,
Sahyadri Science College, Shivamogga
3. NAME AND ADDRESS OF THE INSTITUTION: Sahyadri Science College,
Shivamogga
4. SANCTION LETTER NO. AND DATE: NO: KU:DV-4:177:2020-21:3978, Dated:
21.12.2020
5. TENURE OF THE PROJECT: 01/01/2021 to 31/12/2021
7. TOTAL GRANT ALLOCATED: 2,00,000/- (Rupees Two Lakhs only)
8. FINAL EXPENDITURE: 1,99,624/- (Rupees One lakh ninety-nine thousand six hundred and twenty four only)
9. OBJECTIVES OF THE PROJECT:
 - Preparation and characterization of statin-loaded biodegradable nanoparticles.
 - *In vitro* drug release study of statin-loaded nanoparticles.
 - Hemocompatible study of statin-loaded chitosan nanoparticles
 - Assessing the stability of nanoparticles at physiological conditions.

10. WHETHER OBJECTIVES WERE ACHIEVED

Yes, the objectives have been achieved.

Nanoparticles-based drug delivery systems have considerable potential for treatment of several diseases such as cardiovascular diseases, rheumatoid arthritis, cancer etc. The treatment of these diseases often require high dosages and frequent administration of drug, which can lead to toxic manifestations, inappropriate pharmacological disposition, impaired metabolism and other negative effects. Targeted drug delivery system using nanotechnology strategies must supply drugs selectively to its site of action in a manner that provides maximum therapeutic activity to prevent degradation or inactivation of drug itself during transit to the target site and protect the body from adverse reactions. More precisely, designed nanoparticles would illuminate the inner core loaded with trigger-responsive drugs that can be released on demand in a sequential manner. These nanoparticles are biocompatible and can be labeled.

KUVEMPU UNIVERSITY

Vishwavidyalaya Karyalaya, Jnana Sahyadri, Shankaraghatta-577451
Accredited by NAAC with "A" Grade & Ranked 73rd by NIRF

Office Order

- Subject :** Approval of Start-Up Research Grant to Dr. Basavarajappa S.H., Assistant Professor, Dept. of Environmental Science, Kuvempu University - Reg.
- Ref :**
1. No. KU/DV-4/177/2020-21/1537, Dated: 28-08-2020
 2. Research Review Board meeting, Dated: 20-10-2020
 3. Approval of Hon'ble Vice-Chancellor, Dated: 16-12-2020.

Preamble :

The Kuvempu University strives to promote Teaching and Research in emerging areas in Basic Science, Humanities, Social Sciences, Languages, Literature, etc. The main focus would be supporting such areas with cutting edge research in different disciplines.

Therefore, the Project proposals were invited from the eligible faculty members under the Start-Up Research Grant in the prescribed form (Ref.1). In this connection, the Principal Investigators of various departments have submitted their proposals. The meeting of the Research Review Board has examined and recommended the project proposals (Ref.2). The Board has recommended to sanction an amount of Rs.2,00,000-00 (Rupees two lakhs only) for Science faculty teachers as seed money for research purpose for the duration of 12 months.

Order No: KU/DV-4/177/2020-21/ - 583 - Dated: 21-12-2020

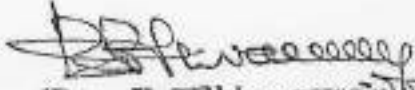
In view of the facts detailed above and approval of the Hon'ble Vice-Chancellor (Ref. 3) an amount of Rs.2,00,000-00 (Rupees two lakhs only) has been sanctioned to Dr. Basavarajappa S.H., Assistant Professor, Dept. of Environmental Science, Kuvempu University, Shankaraghatta-577451 for the project entitled "Isolation and characterization of nitrifying bacteria for degrading biomass in eutrophicated water bodies" as seed money for research purpose for the duration of 12 months with effect from 01-01-2021 to 31-12-2021.

The allocation of head is as follows.

Sl No.	Head	Amount in Rs.
01	Minor Equipments	1,00,000-00
02	Chemicals / Glasswares	70,000-00
03	Travel / Field work	20,000-00
04	Contingency	10,000-00
Total		2,00,000-00

The above amount is chargeable to the head of account "1 AC 5.2/Research project funding for Start-up Scheme / Incubation centre" of the University budget for the financial year 2020-21 and 2021-22.

Draft Approved
by the Registrar


(Dr. B. Thippeswain) 21/12/20

DEPUTY REGISTRAR
Deputy Registrar (Development)
Kuvempu University

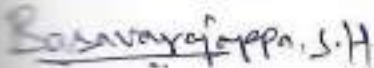
Jnana Sahyadri
Shankaraghatta-577451

KUVEMPU  UNIVESITY

Jnana Sahyadri, Shankaraghatta

UTILIZATION CERTIFICATE

Certified that the grant of Rs.2,00,000-00(Rupees Two Lakhs only) Received from the Kuvempu University under the Start-up Research Grant scheme of support for Minor Research Project entitled "**ISOLATION AND CHARECTERIZATION OF NITRIFYING BACTERIA FOR DEGRADING BIOMASS IN EUTROPHICATED WATER BODIES**" vide reference Letter No: KU/DV-4/177/2020-21-583/ Dated: 21-12-2020 has been fully utilized for the purpose for which it was sanctioned and in accordance with the terms and conditions laid down by the University.


Signature of the 15/12/22
Principal Investigator
Dr. Basavarajappa, S.H.M.Sc.,PH.D.
Assistant Professor
Department of Environmental Science
Kuvempu University, Jnanasahyadri
Shankaraghatta-577 451
Shimoga Dist. Karnataka, India.


Finance Officer
Finance Officer
Kuvempu University
Shankaraghatta - 577 451


Registrar
Registrar
Kuvempu University
Jnanasahyadri
Shankaraghatta-577 451
Shimoga (Dist.)


KUVEMPU UNIVERSITY

Vishwavidyalaya Karyalaya, Jnana Sahyadri, Shankaraghatta-577451
Accredited by NAAC with "A" Grade & Ranked 73rd by NIRF

Office Order

Subject : Approval of Start-Up Research Grant to Dr. Devidas Gaibanna B., Associate Professor, Dept. of Physics, Kuvempu University - Reg.

Ref : 1. No. KU/DV-4/177/2020-21/1537, Dated: 28-08-2020
2. Research Review Board meeting, Dated: 20-10-2020
3. Approval of Hon'ble Vice-Chancellor, Dated: 16-12-2020.

Preamble :

The Kuvempu University strives to promote Teaching and Research in emerging areas in Basic Science, Humanities, Social Sciences, Languages, Literature, etc. The main focus would be supporting such areas with cutting edge research in different disciplines.

Therefore, the Project proposals were invited from the eligible faculty members under the Start-Up Research Grant in the prescribed form (Ref.1). In this connection, the Principal Investigators of various departments have submitted their proposals. The meeting of the Research Review Board has examined and recommended the project proposals (Ref.2). The Board has recommended to sanction an amount of Rs.2,00,000-00 (Rupees two lakhs only) for Science faculty teachers as seed money for research purpose for the duration of 12 months..

Order No: KU/DV-4/177/2020-21/ -579 /Dated: 21-12-2020

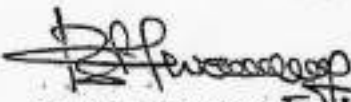
In view of the facts detailed above and approval of the Hon'ble Vice-Chancellor (Ref. 3) an amount of Rs.2,00,000-00 (Rupees two lakhs only) has been sanctioned to Dr. Devidas Gaibanna B., Associate Professor, Dept. of Physics, Kuvempu University, Shankaraghatta-577451 for the project entitled "Effect of Radiation on Optical, Electrical, Structural and Some other Properties of Borate and Phosphate Glasses" as seed money for research purpose for the duration of 12 months with effect from 01-01-2021 to 31-12-2021.

The allocation of head is as follows .

Sl No.	Head	Amount in Rs.
01	Minor Equipments	1,00,000-00
02	Chemicals / Glasswares	70,000-00
03	Travel / Field work	20,000-00
04	Contingency	10,000-00
	Total	2,00,000-00

The above amount is chargeable to the head of account "1 AC 5.2/Research project funding for Start-up Scheme / Incubation centre" of the University budget for the financial year 2020-21 and 2021-22.

Draft Approved


(Dr. B. Thippeswamy) 21/12/2020

Conditions :

1. The amount shall be utilized as per the KTPP Act and norms of the Kuvempu University.
2. The Principal Investigator must publish minimum 02 Research papers in UGC care list journals / Scopus journals.
3. The Principal Investigator must maintain all the records as per the UGC guide lines
4. The Utilization Certificate / Statement of Expenditure / Research Report to the effect that the grant has been utilized for the purpose for which it has been sanctioned shall be furnished to the Kuvempu University as early as possible after the close of the current financial year.
5. One copy of Project stock register should be maintained in the Department.
6. All project correspondence should be through the proper channel

To,

Dr. Devidas Gaibanna B., Associate Professor, Dept. of Physics, Jnana Sahyadri,
Kuvempu University, Shankaraghatta-577451.

Copy to :

1. The Finance Officer, Jnana Sahyadri, Kuvempu University, Shankaraghatta-577451.
2. The Chairman, Dept. of Physics, Jnana Sahyadri, Kuvempu University, Shankaraghatta-577451.
3. The Personnel section to Honourable Vice- Chancellor / Registrar, Jnana Sahyadri, Kuvempu University, Shankaraghatta-577451.
4. Office Copy



Jnana Sahyadri, Shankaraghatta

UTILIZATION CERTIFICATE

Certified that the grant of Rs.2,00,000-00(Rupees Two Lakhs only) Received from the Kuvempu University under the of Start-up Research Grant scheme of support for Minor Research Project entitled “Effect of Radiation on Optical, Electrical, Structural and Some other Properties of Borate and Phosphate Glasses” vide reference Letter No: KU/DV-4/177/2020-21/579 Dated:21-12—2020 has been fully utilized for the purpose for which it was sanctioned and in accordance with the terms and conditions laid down by the University.


Signature of the
Principal Investigator


Finance Officer
Finance Officer,
KUVEMPU UNIVERSITY
Jnana Sahyadri
SHANKARAGHATTA-577451
Shimoga.


Registrar
Registrar
Kuvempu University
Jnana Sahyadri
Shankaraghatta-577 451
Shimoga (Dist.)

KUVEMPU UNIVERSITY

Vishwavidyalaya Karyalaya, Jnana Sahyadri, Shankaraghatta-577451
Accredited by NAAC with "A" Grade & Ranked 73rd by NIRF

Office Order

- Subject :** Approval of Start-Up Research Grant to Dr. Madhuri G.R., Assistant Professor, Dept. of Electronics, Kuvempu University - Reg.
- Ref :**
1. No. KU/DV-4/177/2020-21/1537. Dated: 28-08-2020
 2. Research Review Board meeting. Dated: 20-10-2020
 3. Approval of Hon'ble Vice-Chancellor. Dated: 16-12-2020.

Preamble :

The Kuvempu University strives to promote Teaching and Research in emerging areas in Basic Science, Humanities, Social Sciences, Languages, Literature, etc. The main focus would be supporting such areas with cutting edge research in different disciplines.

Therefore, the Project proposals were invited from the eligible faculty members under the Start-Up Research Grant in the prescribed form (Ref.1). In this connection, the Principal Investigators of various departments have submitted their proposals. The meeting of the Research Review Board has examined and recommended the project proposals (Ref.2). The Board has recommended to sanction an amount of Rs.2,00,000-00 (Rupees two lakhs only) for Science faculty teachers as seed money for research purpose for the duration of 12 months.

Order No: KU/DV-4/ 177 /2020-21/- 588 - /Dated:21-12-2020

In view of the facts detailed above and approval of the Hon'ble Vice-Chancellor (Ref. 3), an amount of Rs.2,00,000-00 (Rupees two lakhs only) has been sanctioned to Dr. Madhuri G.R., Assistant Professor, Dept. of Electronics, Kuvempu University, Shankaraghatta-577451 for the project entitled "Image Analysis and Segmentation Techniques" as seed money for research purpose for the duration of 12 months with effect from 01-01-2021 to 31-12-2021.

The allocation of head is as follows .

Sl No.	Head	Amount in Rs.
01	Minor Equipments	1,00,000-00
02	Chemicals / Glasswares	70,000-00
03	Travel / Field work	20,000-00
04	Contingency	10,000-00
	Total	2,00,000-00

The above amount is chargeable to the head of account "1 AC 5.2/Research project funding for Start-up Scheme / Incubation centre" of the University budget for the financial year 2020-21 and 2021-22.

Draft Approved
by the Registrar

B. Thippeswamy
(Dr. B. Thippeswamy) 21/12/2020
DEPUTY REGISTRAR
Deputy Registrar (Development)
Kuvempu University
Jnana Sahyadri
Shankaraghatta-577451
Srinivasa (Dist.)

PTO

Conditions :

1. The amount shall be utilized as per the KTPP Act and norms of the Kuvempu University.
2. The Principal Investigator must publish minimum 02 Research papers in UGC care list journals / Scopus journals.
3. The Principal Investigator must maintain all the records as per the UGC guide lines
4. The Utilization Certificate / Statement of Expenditure / Research Report to the effect that the grant has been utilized for the purpose for which it has been sanctioned shall be furnished to the Kuvempu University as early as possible after the close of the current financial year.
5. One copy of Project stock register should be maintained in the Department.
6. All project correspondence should be through the proper channel.

To,

✓
Dr. Madhuri G.R., Assistant Professor, Dept. of Electronics, Jnana Sahyadri,
Kuvempu University, Shankaraghatta-577451.

Copy to :

1. The Finance Officer, Jnana Sahyadri, Kuvempu University, Shankaraghatta-577451.
2. The Chairman, Dept. of Electronics, Jnana Sahyadri, Kuvempu University,
Shankaraghatta-577451.
3. The Personnel section to Honourable Vice- Chancellor / Registrar, Jnana Sahyadri,
Kuvempu University, Shankaraghatta-577451.
4. Office Copy

KUVEMPU UNIVERSITY



JNANASAHYADRI SHANKARAGHATTA – 577451

SHIMOGA

UTILIZATION CERTIFICATE

It is certified that the total grant of Rs. 1,97,055-00 (One lakh ninety-seven thousand fifty-five only) received from the Kuvempu University under the Start up Grant scheme of support for Minor Research Project entitled “**Image Analysis and Segmentation Techniques**” vide Reference letter No. **KU/DV-4/177/2020-21/582/733** dated **21-12-2020** has been fully utilized for the purpose for which it was sanctioned and in accordance with the terms and conditions laid down by the University.

Handwritten signature in black ink.

SIGNITURE OF THE PRINCIPAL INVESTIGATOR

*Dr. Muthuri. G. R.,
Assistant Professor*

Dept. of Electronics

Kuvempu University-577 451

Handwritten signature in green ink.

Registrar

REGISTRAR/PRINCIPAL
Jnana Sahyadri
Shankaraghatta-577 451
Shimoga (Dist.)

Handwritten signature in green ink.

FINANCE OFFICER
Finance Officer

Kuvempu University
Shankaragatta-577 451

**START-UP Research Grant
Kuvempu University**

PROJECT REPORT ON

Study of Effect of Arecaidine from Areca nut on Hepatocellular Carcinoma

Order No. KU:DV-4:177:2020-21:3979, Dated: 21.12.2020

Submitted by

Dr. Pradeepa K

Principal Investigator

& Assistant Professor

Department of PG Studies and Research in Biotechnology

Sahyadri Science College, Kuvempu University, Shivamogga-577203

Karnataka, India

2023



Financial Assistance provided/ Expenditure incurred:

Sl. No.	Items	Total Amount Sanctioned	Expenditure Incurred
1	Minor Equipments	1,00,000/-	99,998/-
2	Chemicals/Glasswares	70,000/-	70,000/-
3	Travel/Field work	20,000/-	18,480/-
4	Contingency	10,000/-	9,990/-
	Total	2,00,000/-	1,98,468/-

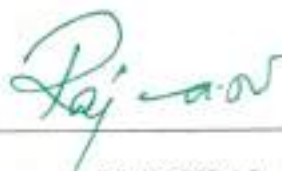
UTILIZATION CERTIFICATE

It is Certified that the Research grant of Rs. 2, 00,000/- (Rupees Two Lakhs only) sanctioned from the Kuvempu University under the scheme of support for Start-Up Research grant entitled: "Study of Effect of Arecaidine from Areca nut on Hepatocellular Carcinoma", Order No: KU:DV-4:177:2020-21:3979, Dated: 21.12.2020. The total sanction amount is Rs. 2, 00,000/-. Out of which a sum of Rs. 1,98,468/- (Rupees One lakh ninetyeight thousand four hundred sixtyeight only) has been utilized for the purpose of which it was sanctioned in accordance with the terms and condition laid down by the Kuvempu University.



PRINCIPAL INVESTIGATOR

(**Dr. Pradeep Kumar**)
(SIGNATURES WITH SEAL)
Assistant Professor
Dept. of P.G. Studies & Research in Biotechnology
Sahyadri Science College
Kuvempu University, Shivamogga-577 203.



PRINCIPAL

(**Principal**)
(SIGNATURES WITH SEAL)
SAHYADRI SCIENCE COLLEGE
(Constituent College of Kuvempu University)
SHIMOGA, Karnataka State.

Office Order

- Subject : Approval of Start-Up Research Grant to Dr. Pradeepa K., Assistant Professor, Dept. of Biotechnology, Sahyadri Science College, Shivamogga - Reg.
- Ref: 1. No. KU/DV-4/177/2020-21/1537. Dated: 28-08-2020
2. Research Review Board meeting. Dated: 20-10-2020
3. Approval of Hon'ble Vice-Chancellor. Dated: 16-12-2020

Preamble :

The Kuvempu University strives to promote Teaching and Research in emerging areas in Basic Science, Humanities, Social Sciences, Languages, Literature, etc. The main focus would be supporting such areas with cutting edge research in different disciplines.

Therefore, the Project proposals were invited from the eligible faculty members under the Start-Up Research Grant in the prescribed form (Ref.1). In this connection, the Principal Investigators of various departments have submitted their proposals. The meeting of the Research Review Board has examined and recommended the project proposals (Ref.2). The Board has recommended to sanction an amount of Rs.2,00,000-00 (Rupees two lakhs only) for Science faculty teachers as seed money for research purpose for the duration of 12 months.

Order No: KU/DV-4/177/2020-21/ 3979 /Dated:21-12-2020

In view of the facts detailed above and approval of the Hon'ble Vice-Chancellor (Ref. 3) an amount of Rs.2,00,000-00 (Rupees two lakhs only) has been sanctioned to Dr. Pradeepa K., Assistant Professor, Dept. of Biotechnology, Sahyadri Science College, Shivamogga-577203, for the project entitled "**Study of Effect of Arecaidine from Areca nut on Hepatocellular Carcinoma**" as seed money for research purpose for the duration of 12 months with effect from 01-01-2021 to 31-12-2021.

The allocation of head is as follows .

Sl No.	Head	Amount in Rs.
01	Minor Equipments	1,00,000-00
02	Chemicals / Glasswares	70,000-00
03	Travel / Field work	20,000-00
04	Contingency	10,000-00
	Total	2,00,000-00

The above amount is chargeable to the head of account "1 AC 5.2/Research project funding for Start-up Scheme / Incubation centre" of the University budget for the financial year 2020-21 and 2021-22.

Draft Approved
by the Registrar

(Signature)
(Dr. B. Thippeswamy) 21/12/2020

DEPUTY REGISTRAR
Deputy Registrar (Development)
Kuvempu University
Jnana Sahyadri
Shankaraghatta-577451
Shivamogga District

PTO

KUVEMPU UNIVERSITY

Vishwavidyalaya Karyalaya, Jnana Sahyadri, Shankaraghatta-577451
Accredited by NAAC with "A" Grade & Ranked 73rd by NIRF

Office Order

- Subject:** Approval of Start-Up Research Grant to Dr. Ravindra Gowda S.M.,
Assistant Director, Dept of Physical Education, Kuvempu University - Reg.
- Ref:** 1. No. KU/DV-4/177/2020-21/1537, Dated: 28-08-2020
2. Research Review Board meeting, Dated: 20-10-2020
3. Approval of Hon'ble Vice - Chancellor, Dated:16-12-2020

Preamble :

The Kuvempu University strives to promote Teaching and Research in emerging areas in Basic Science, Humanities, Social Sciences, Languages, Literature, etc. The main focus would be supporting such areas with cutting edge research in different disciplines.

Therefore, the Project proposals were invited from the eligible faculty members under the Start-Up Research Grant in the prescribed form (Ref.1). In this connection, the Principal Investigators of various departments have submitted their proposals. The meeting of the Research Review Board has examined and recommended the project proposal (Ref.2). The Board has recommended to sanction an amount of Rs.1,00,000-00 (Rupees one lakh only) for Education faculty teachers as seed money for research purpose for the duration of 12 months.

Order No: KU/DV-4/ 177 /2020-21/ 530 - Dated: 21-12-2020

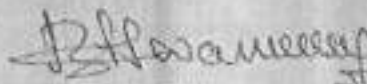
In view of the facts detailed above and approval of the Hon'ble Vice-Chancellor (Ref. 3) an amount of Rs.1,00,000-00 (Rupees one lakh only) has been sanctioned to Dr. Ravindra Gowda S.M., Assistant Director, Dept. of Physical Education, Kuvempu University, Shankaraghatta-577451 for the project entitled "Exploration of Physiological and Psychological Profiles of Indigenous Games" as seed money for research purpose for the duration of 12 months with effect from 01-01-2021 to 31-12-2021.

The allocation of head is as follows .

Sl No.	Head	Amount in Rs.
01	Minor Equipments	70,000-00
02	Travel / Field work	20,000-00
03	Contingency	10,000-00
	Total	1,00,000-00

The above amount is chargeable to the head of account "I AC 5.2/Research project funding for Start-up Scheme / Incubation centre" of the University budget for the financial year 2020-21 and 2021-22.

Draft Approved
by the Registrar


(Dr. B. Thippeswamy) 21/12/2020
DEPUTY REGISTRAR
Deputy Registrar (Development)
Kuvempu University
Jnana Sahyadri
Shankaraghatta-677 451
Shimoga (Dist.)

PTO

KUVEMPU UNIVERSITY



Jnana Sahyadri, Shankaraghatta

Utilization Certificate

Certified that the grant of Rs.1,00,000-00 (Rupees One Lakh only) Received from the Kuvempu University under the of Start up Research Grant scheme of support for Minor Research Project entitled "EXPLORATION OF PHYSIOLOGICAL AND PSYCHOLOGICAL PROFILES OF INDIGENOUS GAMES" vide reference Letter No: KU:DV- 4:177:2020-21:580 Dated 21-12-2020 has been fully utilized for the purpose for which it was sanctioned and in accordance with the terms and conditions laid down by the University.


Director, Physical Education
Kuvempu University, Shankaraghatta.


Finance Officer
KUVEMPU UNIVERSITY
Jnana Sahyadri
SHANKARAGHATTA-57740
Shimoga.


Registrar
Kuvempu University
Jnana Sahyadri
Shankaraghatta-577 451
Shimoga (Dist.)

KUVEMPU UNIVERSITY

Vishwavidyalaya Karyalaya, Jnana Sahyadri, Shankaraghatta-577451
Accredited by NAAC with "A" Grade & Ranked 73rd by NIRF

Office Order

Subject : Approval of Start-Up Research Grant to Shashiraj U., Assistant Professor, Dept of Studies in Tourism, Administration, Sahyadri Commerce & Management College, Shivamogga - Reg.

Ref : 1. No. KU/DV-4/177/2020-21/1537, Dated: 28-08-2020
2. Research Review Board meeting, Dated: 20-10-2020
3. Approval of Hon'ble Vice-Chancellor, Dated:16-12-2020

Preamble :

The Kuvempu University strives to promote Teaching and Research in emerging areas in Basic Science, Humanities, Social Sciences, Languages, Literature, etc. The main focus would be supporting such areas with cutting edge research in different disciplines.

Therefore, the Project proposals were invited from the eligible faculty members under the Start-Up Research Grant in the prescribed form (Ref.1). In this connection, the Principal Investigators of various departments have submitted their proposals. The meeting of the Research Review Board has examined and recommended the project proposals (Ref.2). The Board has recommended to sanction an amount of Rs.1,00,000-00 (Rupees one lakh only) for Commerce faculty teachers as seed money for research purpose for the duration of 12 months.

Order No: KU/DV-4/177/2020-21/ 3980. Dated:21-12-2020

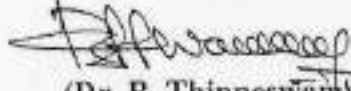
In view of the facts detailed above and approval of the Hon'ble Vice-Chancellor (Ref. 3) an amount of Rs.1,00,000-00 (Rupees one lakh only) has been sanctioned to Shashiraj U., Assistant Professor, Dept. of Studies in Tourism Administration, Sahyadri Commerce & Management College, Shivamogga-577203 for the project entitled "Marketing Effectiveness and Challenges in Promoting Medical and Wellness Tourism in Karnataka" as seed money for research purpose for the duration of 12 months with effect from 01-01-2021 to 31-12-2021.

The allocation of head is as follows :

Sl No.	Head	Amount in Rs.
01	Books / Journals/ Magazines	70,000-00
02	Travel / Field work	20,000-00
03	Contingency	10,000-00
	Total	1,00,000-00

The above amount is chargeable to the head of account "1 AC 5.2/Research project funding for Start-up Scheme / Incubation centre" of the University budget for the financial year 2020-21 and 2021-22.

Draft Approved
by the Registrar


(Dr. B. Thippeswamy) 21/12/20

DEPUTY REGISTRAR
Deputy Registrar (Development)
Kuvempu University
Jnana Sahyadri

Conditions :

1. The amount shall be utilized as per the KPPP Act and norms of the Kuvempu University.
2. The Principal Investigator must publish minimum 02 Research papers in UGC care list journals / Scopus journals.
3. The Principal Investigator must maintain all the records as per the UGC guide lines.
4. The Utilization Certificate / Statement of Expenditure / Research Report to the effect that grant has been utilized for the purpose for which it has been sanctioned shall be furnished to the Kuvempu University as early as possible after the close of the current financial year.
5. One copy of Project stock register should be maintained in the Department.
6. All project correspondence should be through the proper channel.

To,

Shashiraj. U, Assistant Professor, Dept. of Studies in Tourism Administration,
Sahyadri Commerce & Management College, Shivamogga-577203.

Copy to :

1. The Finance Officer, Jnana Sahyadri, Kuvempu University, Shankaraghatta-577451.
2. The Principal, Sahyadri Commerce & Management College, Shivamogga-577203.
3. The Personnel section to Honourable Vice - Chancellor / Registrar, Jnana Sahyadri, Kuvempu University, Shankaraghatta-577451.
4. Office Copy


SC

KUVEMPU UNIVERSITY

Jnana Sahyadri, Shankaraghatta

Utilization Certificate

Certified that the grant of Rs. 1,00,000/- (Rupees Two Lakh Only) received from the Kuvempu University under the **Start – up research Grant Scheme** of support for Minor Research Project entitled **“Marketing Effectiveness and Challenges in Promoting Medical and Wellness Tourism in Karnataka”** vide reference Letter No: KU/DV-4/177/2020-21/3980 Dated: 21-12-2020 has been fully utilized for the purpose for which it was sanctioned and in accordance with the terms and conditions laid down by the University.


Signature of the
Principal Investigator


Finance Officer
KUVEMPU UNIVERSITY
Jnana Sahyadri
SHANKARAGHATTA-67745


Registrar
Kuvempu University
Jnana Sahyadri
Shankaraghatta-677 451
Shivagiri (Dist)

KUVEMPU UNIVERSITY

Vishwavidyalaya Karyalaya, Jnana Sahyadri, Shankaraghatta-577451
Accredited by NAAC with "A" Grade & Ranked 73rd by NIRF

Office Order

- Subject : Approval of Start-Up Research Grant to Dr. Shrishail, Assistant Professor, Dept. of Applied Botany, Kuvempu University- Reg.
- Ref: 1. No. KU/DV-4/177/2020-21/1537. Dated: 28-08-2020
2. Research Review Board meeting. Dated: 20-10-2020
3. Approval of Hon'ble Vice-Chancellor. Dated: 16-12-2020.

Preamble :

The Kuvempu University strives to promote Teaching and Research in emerging areas in Basic Science, Humanities, Social Sciences, Languages, Literature, etc. The main focus would be supporting such areas with cutting edge research in different disciplines.

Therefore, the Project proposals were invited from the eligible faculty members under the Start-Up Research Grant in the prescribed form (Ref.1). In this connection, the Principal Investigators of various departments have submitted their proposals. The meeting of the Research Review Board has examined and recommended the project proposals (Ref.2). The Board has recommended to sanction an amount of Rs.2,00,000-00 (Rupees two lakhs only) for Science faculty teachers as seed money for research purpose for the duration of 12 months.

Order No: KU/DV-4/177/2020-21 - 584 /Dated:21-12-2020

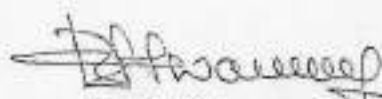
In view of the facts detailed above and approval of the Hon'ble Vice-Chancellor (Ref. 3) an amount of Rs.2,00,000-00 (Rupees two lakhs only) has been sanctioned to Dr. Shrishail, Assistant Professor, Dept. of Applied Botany, Kuvempu University, Shankaraghatta-577451 for the project entitled "Investigation of Anticancerous Compounds *Plumbago zeylanica* Linn. Grown in Western Ghats, Karnataka" as seed money for research purpose for the duration of 12 months with effect from 01-01-2021 to 31-12-2021.

The allocation of head is as follows .

Sl No.	Head	Amount in Rs.
01	Minor Equipments	1,00,000-00
02	Chemicals / Glasswares	70,000-00
03	Travel / Field work	20,000-00
04	Contingency	10,000-00
	Total	2,00,000-00

The above amount is chargeable to the head of account "1 AC 5.2/Research project funding for Start-up Scheme / Incubation centre" of the University budget for the financial year 2020-21 and 2021-22.

Draft Approved
by the Registrar


(Dr. B. Thippeswami) 21/12/2020

DEPUTY REGISTRAR
Deputy Registrar (Development)
Kuvempu University
Jnana Sahyadri

Conditions :

1. The amount shall be utilized as per the KPPP Act and norms of the Kuvempu University.
2. The Principal Investigator must publish minimum 02 Research papers in UGC care list journals / Scopus journals.
3. The Principal Investigator must maintain all the records as per the UGC guide lines.
4. The Utilization Certificate / Statement of Expenditure / Research Report to the effect that the grant has been utilized for the purpose for which it has been sanctioned shall be furnished to the Kuvempu University as early as possible after the close of the current financial year.
5. One copy of Project stock register should be maintained in the Department.
6. All project correspondence should be through the proper channel.

To,

✓ Dr. Shrishail, Assistant Professor, Dept. of Applied Botany, Inana Sahyadri,
Kuvempu University, Shankaraghatta-577451.

Copy to :

1. The Finance Officer, Inana Sahyadri, Kuvempu University, Shankaraghatta-577451.
2. The Chairman, Dept. of Applied Botany, Inana Sahyadri, Kuvempu University, Shankaraghatta-577451.
3. The Personnel section to Honourable Vice-Chancellor / Registrar, Inana Sahyadri, Kuvempu University, Shankaraghatta-577451.
4. Office Copy

KUVEMPU  **UNIVERSITY**

Jnana Sahyadri, Shankaraghatta

UTILIZATION CERTIFICATE

Certified that the grant of Rs.2,00,000-00(Rupees Two Lakhs only) received from the Kuvempu University under the of Start-up Research Grant scheme of support for Minor Research Project entitled "Investigation of Anticancerous compounds of *Plumbago zeylanica* Linn Grown in Western Ghats, Karnataka" vide reference Letter No: KU/DV-4/177/2020-21 /584 dated 21-12—2020 has been fully utilized for the purpose for which it was sanctioned and in accordance with the terms and conditions laid down by the University.


Signature of the
Principal Investigator
Dr. H.C. SHRISHAIL
Assistant Professor
Dept. of Applied Botany
Jnana Sahyadri, Shankaraghatta-577451
Shimoga, Karnataka-India.


Finance Officer
Finance Officer
Kuvempu University
Shankaraghatta-577 451


Registrar
Registrar
Kuvempu University
Jnana Sahyadri
Shankaraghatta-577 451
Shimoga (Dist.)



ಕುವೆಂಪು ವಿಶ್ವವಿದ್ಯಾಲಯ

ವಿಶ್ವವಿದ್ಯಾಲಯ ಕಾರ್ಯಾಲಯ, ಜ್ಞಾನಸಹ್ಯಾದ್ರಿ, ಶಂಕರಘಟ್ಟ-577451

Accredited by NAAC with "A" Grade & Ranked 73rd by NIRF

ಸಂಖ್ಯೆ:ಕುವಿ/ಡಿವಿ-4/200/ /2020-21 -955

ದಿನಾಂಕ:22-03-2021

ಪರಿಷ್ಕೃತ ಆದೇಶ

ವಿಷಯ: ಸಂಶೋಧನಾ ಯೋಜನೆಯ ಶೀರ್ಷಿಕೆ ಬದಲಾವಣೆ ಮಾಡುವ ಕುರಿತು.

- ಉಲ್ಲೇಖ: 1. ಈ ಕಛೇರಿ ಆದೇಶ:ಕುವಿ/ಡಿ.ವಿ-4/177/2020-21/581/ದಿನಾಂಕ:21-12-2020
2. ಡಾ.ಶ್ವೇತಾ.ಎ, ಸಹಾಯಕ ಪ್ರಾಧ್ಯಾಪಕರು ಮತ್ತು ಪ್ರಧಾನ ಸಂಶೋಧಕರು- ಇವರ ಪತ್ರ ಸಂಖ್ಯೆ :ಕುವಿ /ಆ.ಪ್ರಾ/235/2020-21/ದಿನಾಂಕ:04-03-2021.
3. ಮಾನ್ಯ ಕುಲಪತಿಗಳ ಅನುಮೋದನೆ ದಿನಾಂಕ:20-03-2021.

ಉಲ್ಲೇಖ(1)ರ ಆದೇಶದಲ್ಲಿ ಡಾ.ಶ್ವೇತಾ.ಎ, ಸಹಾಯಕ ಪ್ರಾಧ್ಯಾಪಕರು ಮತ್ತು ಪ್ರಧಾನ ಸಂಶೋಧಕರು ಸ್ನಾತಕೋತ್ತರ ಅನ್ವಯಿಕ ಪ್ರಾಣಿಶಾಸ್ತ್ರ ಅಧ್ಯಯನ ವಿಭಾಗ, ಕುವೆಂಪು ವಿಶ್ವವಿದ್ಯಾಲಯ, ಶಂಕರಘಟ್ಟ-ಇವರಿಗೆ ವಿಶ್ವವಿದ್ಯಾಲಯದ ಆಯವ್ಯಯದಲ್ಲಿ Start-Up Research Grant ನಡಿಯಲ್ಲಿ "Ecological studies on Kundavada wetland, Davanagere Dist, Karnataka with special reference to Avifauna" ಎಂಬ ಶೀರ್ಷಿಕೆಗೆ ಸಂಶೋಧನಾ ಕಾರ್ಯ ನಡೆಸಲು ರೂ.2,00,000-00ಗಳಿಗೆ ಮಂಜೂರಾತಿ ಆದೇಶ ನೀಡಲಾಗಿತ್ತು.

ಉಲ್ಲೇಖ(2)ರಲ್ಲಿ ಡಾ.ಶ್ವೇತಾ.ಎ, ಸಹಾಯಕ ಪ್ರಾಧ್ಯಾಪಕರು ಮತ್ತು ಪ್ರಧಾನ ಸಂಶೋಧಕರು, ಸ್ನಾತಕೋತ್ತರ ಅನ್ವಯಿಕ ಪ್ರಾಣಿಶಾಸ್ತ್ರ ಅಧ್ಯಯನ ವಿಭಾಗ, ಕುವೆಂಪು ವಿಶ್ವವಿದ್ಯಾಲಯ, ಶಂಕರಘಟ್ಟ - ಇವರು ಉಲ್ಲೇಖ(1)ರಲ್ಲಿ ಸಂಶೋಧನಾ ಕಾರ್ಯ ನಡೆಸಲು ಉದ್ದೇಶಿಸಿದ ಸ್ಥಳದಲ್ಲಿ ಕಾಮಗಾರಿ ಮಾಡುತ್ತಿರುವ ಹಿನ್ನೆಲೆಯಲ್ಲಿ ಸಂಶೋಧನಾ ಕಾರ್ಯ ನಡೆಸಲು ಅವಕಾಶವಿರುವುದಿಲ್ಲ ಎಂದು ತಿಳಿಸಿ, ಸಂಶೋಧನಾ ಕಾರ್ಯ ನಡೆಸಲು ಬದಲಿ ಸ್ಥಳವನ್ನು ಆಯ್ಕೆ ಮಾಡಿ "Ecological studies on some water reservoirs around the Shettihalli Wildlife Sanctuary, Shivamogga Dist, Karnataka, with special reference to avifauna" ಎಂಬ ವಿಷಯ ಕುರಿತು ಶೀರ್ಷಿಕೆಯನ್ನು ಬದಲಾವಣೆ ಮಾಡಿ ಸಂಶೋಧನಾ ಕಾರ್ಯ ನಡೆಸಲು ಅನುಮತಿ ನೀಡಬೇಕೆಂದು ಕೋರಿರುವ ಹಿನ್ನೆಲೆಯಲ್ಲಿ ಉಲ್ಲೇಖ(3)ರಲ್ಲಿ ಮಾನ್ಯ ಕುಲಪತಿಗಳ ಅನುಮೋದನೆಯ ಮೇರೆಗೆ ಶೀರ್ಷಿಕೆ/ಸ್ಥಳವನ್ನು ಬದಲಾವಣೆ ಮಾಡಿ ಪರಿಷ್ಕೃತ ಆದೇಶ ಹೊರಡಿಸಲಾಗಿದೆ.

ಉಳಿದಂತೆ ಉಲ್ಲೇಖ(1)ರಲ್ಲಿ ಯಾವುದೇ ಬದಲಾವಣೆ ಇರುವುದಿಲ್ಲ.

ಮಾನ್ಯ ಕುಲಸಚಿವರಿಂದ ಕರಣು
ಆಣುಮೋದಿಸಲ್ಪಟ್ಟಿದೆ.

(ಡಾ.ಬಿ.ಶಿವರಾಮಾiah)
ಉಪ ಕುಲಸಚಿವರು

ಗೆ.

ಹಣಕಾಸು ಅಧಿಕಾರಿಗಳು, ಕುವೆಂಪು ವಿಶ್ವವಿದ್ಯಾಲಯ, ಜ್ಞಾನಸಹ್ಯಾದ್ರಿ, ಶಂಕರಘಟ್ಟ.

ಪ್ರತಿಗಳು:-

1. ಅಧ್ಯಕ್ಷರು, ಸ್ನಾತಕೋತ್ತರ ಅನ್ವಯಿಕ ಪ್ರಾಣಿಶಾಸ್ತ್ರ ಅಧ್ಯಯನ ವಿಭಾಗ, ಕುವೆಂಪು ವಿಶ್ವವಿದ್ಯಾಲಯ, ಶಂಕರಘಟ್ಟ
2. ಡಾ.ಶ್ವೇತಾ.ಎ, ಸಹಾಯಕ ಪ್ರಾಧ್ಯಾಪಕರು ಮತ್ತು ಪ್ರಧಾನ ಸಂಶೋಧಕರು, ಸ್ನಾತಕೋತ್ತರ ಅನ್ವಯಿಕ ಪ್ರಾಣಿಶಾಸ್ತ್ರ ಅಧ್ಯಯನ ವಿಭಾಗ, ಕುವೆಂಪು ವಿಶ್ವವಿದ್ಯಾಲಯ, ಶಂಕರಘಟ್ಟ
3. ಕಛೇರಿ ಪ್ರತಿ.



**KUVEMPU UNIVERSITY
SHANKARAGHATTA 577451**

UTILIZATION CERTIFICATE

Certified that the grant of Rs. 2,00,000 (Rupees Two lakhs only) received from the Kuvempu University under the Start up grant scheme of support for Minor Research Project entitled "*Ecological studies on some water reservoirs around the Shettihalli wildlife sanctuary, Shimoga dist, Karnataka with special reference to Avifauna*" vide Reference letter No. KU/DV-4/177/2020-21/581 dated 21-12-2020 has been fully utilized for the purpose for which it was sanctioned and in accordance with the terms and conditions laid down by the University.


Signature of The Principal Investigator 24/1/22
Dr. Shwetha.A.
Assistant Professor
Department of P.G. Studies and
Research in Zoology
Kuvempu University
Shankaraghatta-577451


Registrar
Kuvempu University
Jnana Sahyadri
Shankaraghatta-577 451
Shimoga (Dist.)


FINANCE OFFICER
Finance Officer
Kuvempu University
Shankaraghatta-577 451

KUVEMPU UNIVERSITY

Vishwavidyalaya Karyalaya, Jnana Sahyadri, Shankaraghatta-577451
Accredited by NAAC with "A" Grade & Ranked 73rd by NIRF

Office Order

- Subject :** Approval of Start-Up Research Grant to Dr. Basavarajappa S.H., Assistant Professor, Dept. of Environmental Science, Kuvempu University - Reg.
- Ref :**
1. No. KU/DV-4/177/2020-21/1537, Dated: 28-08-2020
 2. Research Review Board meeting, Dated: 20-10-2020
 3. Approval of Hon'ble Vice-Chancellor, Dated: 16-12-2020.

Preamble :

The Kuvempu University strives to promote Teaching and Research in emerging areas in Basic Science, Humanities, Social Sciences, Languages, Literature, etc. The main focus would be supporting such areas with cutting edge research in different disciplines.

Therefore, the Project proposals were invited from the eligible faculty members under the Start-Up Research Grant in the prescribed form (Ref.1). In this connection, the Principal Investigators of various departments have submitted their proposals. The meeting of the Research Review Board has examined and recommended the project proposals (Ref.2). The Board has recommended to sanction an amount of Rs.2,00,000-00 (Rupees two lakhs only) for Science faculty teachers as seed money for research purpose for the duration of 12 months.

Order No: KU/DV-4/177/2020-21 - 583 - Dated:21-12-2020

In view of the facts detailed above and approval of the Hon'ble Vice-Chancellor (Ref. 3) an amount of Rs.2,00,000-00 (Rupees two lakhs only) has been sanctioned to Dr. Basavarajappa S.H., Assistant Professor, Dept. of Environmental Science, Kuvempu University, Shankaraghatta-577451 for the project entitled "Isolation and characterization of nitrifying bacteria for degrading biomass in eutrophicated water bodies" as seed money for research purpose for the duration of 12 months with effect from 01-01-2021 to 31-12-2021.

The allocation of head is as follows .

Sl No.	Head	Amount in Rs.
01	Minor Equipments	1,00,000-00
02	Chemicals / Glasswares	70,000-00
03	Travel / Field work	20,000-00
04	Contingency	10,000-00
	Total	2,00,000-00

The above amount is chargeable to the head of account "1 AC 5.2/Research project funding for Start-up Scheme / Incubation centre" of the University budget for the financial year 2020-21 and 2021-22.

Draft Approved
by the Registrar

(Dr. B. Thippeswami) 21/12/20

KUVEMPU UNIVERSITY

Vishwavidyalaya Karyalaya, Jnana Sahyadri, Shankaraghatta-577451
Accredited by NAAC with "A" Grade & Ranked 73rd by NIRF

Office Order

- Subject :** Approval of Start-Up Research Grant to Dr. Devidas Gaibanna B., Associate Professor, Dept. of Physics, Kuvempu University - Reg.
- Ref :**
1. No. KU/DV-4/177/2020-21/1537. Dated: 28-08-2020
 2. Research Review Board meeting, Dated: 20-10-2020
 3. Approval of Hon'ble Vice-Chancellor, Dated: 16-12-2020.

Preamble :

The Kuvempu University strives to promote Teaching and Research in emerging areas in Basic Science, Humanities, Social Sciences, Languages, Literature, etc. The main focus would be supporting such areas with cutting edge research in different disciplines.

Therefore, the Project proposals were invited from the eligible faculty members under the Start-Up Research Grant in the prescribed form (Ref.1). In this connection, the Principal Investigators of various departments have submitted their proposals. The meeting of the Research Review Board has examined and recommended the project proposals (Ref.2). The Board has recommended to sanction an amount of Rs.2,00,000-00 (Rupees two lakhs only) for Science faculty teachers as seed money for research purpose for the duration of 12 months.

Order No: KU/DV-4/177/2020-21/579 /Dated:21-12-2020

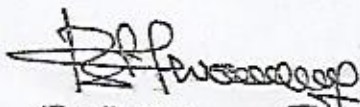
In view of the facts detailed above and approval of the Hon'ble Vice-Chancellor (Ref. 3) an amount of Rs.2,00,000-00 (Rupees two lakhs only) has been sanctioned to Dr. Devidas Gaibanna B., Associate Professor, Dept. of Physics, Kuvempu University, Shankaraghatta-577451 for the project entitled "Effect of Radiation on Optical, Electrical, Structural and Some other Properties of Borate and Phosphate Glasses" as seed money for research purpose for the duration of 12 months with effect from 01-01-2021 to 31-12-2021.

The allocation of head is as follows .

Sl No.	Head	Amount in Rs.
01	Minor Equipments	1,00,000-00
02	Chemicals / Glasswares	70,000-00
03	Travel / Field work	20,000-00
04	Contingency	10,000-00
	Total	2,00,000-00

The above amount is chargeable to the head of account "1 AC 5.2/Research project funding for Start-up Scheme / Incubation centre" of the University budget for the financial year 2020-21 and 2021-22.

Draft Approved
by the Registrar


(Dr. B. Thippeswamy) 21/12/2020

DEPUTY REGISTRAR
Deputy Registrar (Development)

Conditions :

1. The amount shall be utilized as per the KTPP Act and norms of the Kuvempu University.
2. The Principal Investigator must publish minimum 02 Research papers in UGC care list journals / Scopus journals.
3. The Principal Investigator must maintain all the records as per the UGC guide lines
4. The Utilization Certificate / Statement of Expenditure / Research Report to the effect that the grant has been utilized for the purpose for which it has been sanctioned shall be furnished to the Kuvempu University as early as possible after the close of the current financial year.
5. One copy of Project stock register should be maintained in the Department.
6. All project correspondence should be through the proper channel

To,

Dr. Devidas Gaibanna B., Associate Professor, Dept. of Physics, Jnana Sahyadri,
Kuvempu University, Shankaraghatta-577451.

Copy to :

1. The Finance Officer, Jnana Sahyadri, Kuvempu University, Shankaraghatta-577451.
2. The Chairman, Dept. of Physics, Jnana Sahyadri, Kuvempu University, Shankaraghatta-577451.
3. The Personnel section to Honourable Vice- Chancellor / Registrar, Jnana Sahyadri, Kuvempu University, Shankaraghatta-577451.
4. Office Copy

ಕುವೆಂಪು ವಿಶ್ವವಿದ್ಯಾಲಯ

ವಿಶ್ವವಿದ್ಯಾಲಯ ಕಾರ್ಯಾಚರಣಾ ಸಹಾಯಕ ನಿರ್ದೇಶಕರು, ಶಂಕರಘಟ್ಟ-577451

Accredited by NAAC with "A" Grade & Ranked 73rd by NIRF

ಪರಿಷ್ಕೃತ ಹಂಚಿಕೆ ಆದೇಶ

ವಿಷಯ: Start Up Research Grant ನ ಶೀರ್ಷಿಕೆಯನ್ನು ಮರು ಹಂಚಿಕೆ ಮಾಡಿರುವ ಕುರಿತು.

- ಉಲ್ಲೇಖ: 01 ಈ ಕಛೇರಿ ಆದೇಶ ಸಂಖ್ಯೆ:ಕುವಿ.ಡಿವಿ-4/177:2020-21:582:
ದಿನಾಂಕ:21-12-2020
- 02 ಡಾ.ಮಾಧುರಿ.ಜಿ.ಆರ್, ಸಹಾಯಕ ಪ್ರಾಧ್ಯಾಪಕರು, ಸ್ನಾತಕೋತ್ತರ ಎಲೆಕ್ಟ್ರಾನಿಕ್ಸ್
ಅಧ್ಯಯನ ವಿಭಾಗ, ಇವರ ಪತ್ರ ಸಂಖ್ಯೆ:ಕುವಿ.ಎಲೆಕ್ಟ್ರಾನಿಕ್ಸ್ :118:2021-
22:ದಿನಾಂಕ:08-01-2021.
- 03 ಮಾನ್ಯ ಕುಲಪತಿಗಳ ಅನುಮೋದನೆ ದಿನಾಂಕ:02-02-2021.

ಪ್ರಸ್ತಾವನೆ:-

ಉಲ್ಲೇಖ(1)ರಲ್ಲಿ ಡಾ.ಮಾಧುರಿ.ಜಿ.ಆರ್, ಸಹಾಯಕ ಪ್ರಾಧ್ಯಾಪಕರು, ಸ್ನಾತಕೋತ್ತರ ಎಲೆಕ್ಟ್ರಾನಿಕ್ಸ್ ಅಧ್ಯಯನ ವಿಭಾಗ, ಇವರಿಗೆ 2020-21ನೇ ಸಾಲಿನಲ್ಲಿ Start Up Research Grant ಅಡಿಯಲ್ಲಿ Image Analysis and Segmentation Techniques" ಎಂಬ ಸಂಶೋಧನಾ ಕಾರ್ಯ ಕೈಗೊಳ್ಳಲು ರೂ.2,00,000-00 ಗಳ ಅನುದಾನ ಮಂಜೂರು ಮಾಡಲಾಗಿತ್ತು.

ಉಲ್ಲೇಖ(2)ರಲ್ಲಿ ಸದರಿಯವರು ಸಂಶೋಧನಾ ಕಾರ್ಯ ವಿಷಯಕ್ಕೆ ಸಂಬಂಧಿಸಿದಂತೆ ಉಲ್ಲೇಖ(1)ರಲ್ಲಿ ಮಂಜೂರು ಮಾಡಲಾದ ಅನುದಾನದಲ್ಲಿ ಕ್ರ.ಸಂ(2)ರ Chemicals /Glassware ರೂ.70,000-00 ಅನುದಾನವು ಎಲೆಕ್ಟ್ರಾನಿಕ್ಸ್ ಸಂಶೋಧನಾ ಕಾರ್ಯಕ್ಕೆ ಅವಶ್ಯಕತೆ ಇರುವುದಿಲ್ಲ. ಈ ಅನುದಾನವು ಕ್ರ.ಸಂ.01ರ Minor Equipments ಶೀರ್ಷಿಕೆಗೆ ವರ್ಗಾವಣೆ ಮಾಡಿ ಒಟ್ಟು ರೂ.1,70,000-00 ಗಳಿಗೆ ಮಂಜೂರಾತಿ ಕೋರಿರುವ ಹಿನ್ನೆಲೆಯಲ್ಲಿ ಹಾಗೂ ಉಲ್ಲೇಖ(3)ರಲ್ಲಿ ಮಾನ್ಯ ಕುಲಪತಿಗಳ ಅನುಮೋದನೆಯ ಮೇರೆಗೆ Chemicals /Glassware ಶೀರ್ಷಿಕೆಯಿಂದ ರೂ.70,000-00ಗಳನ್ನು Minor Equipments ಶೀರ್ಷಿಕೆಗೆ ವರ್ಗಾವಣೆ ಮಾಡಲು ಈ ಆದೇಶ.

ಸಂಖ್ಯೆ: ಕುವಿ/ಡಿವಿ-4/199/ /2020-21/ - 733 - /ದಿನಾಂಕ:02-02-2021

ಪ್ರಸ್ತಾವನೆಯಲ್ಲಿ ವಿವರಿಸಲಾದಂತೆ, ಡಾ.ಮಾಧುರಿ.ಜಿ.ಆರ್, ಸಹಾಯಕ ಪ್ರಾಧ್ಯಾಪಕರು, ಸ್ನಾತಕೋತ್ತರ ಎಲೆಕ್ಟ್ರಾನಿಕ್ಸ್ ಅಧ್ಯಯನ ವಿಭಾಗ, ಇವರಿಗೆ 2020-21ನೇ ಸಾಲಿನಲ್ಲಿ Start Up Research Grant ಅಡಿಯಲ್ಲಿ Image Analysis and Segmentation Techniques" ಎಂಬ ಸಂಶೋಧನಾ ಕಾರ್ಯಕ್ಕೆ Chemicals /Glassware ಶೀರ್ಷಿಕೆಯಿಂದ ರೂ.70,000-00ಗಳನ್ನು Minor Equipments ಶೀರ್ಷಿಕೆಗೆ ವರ್ಗಾವಣೆ ಮಾಡಿ ಒಟ್ಟು ರೂ.1,70,000-00ಗಳಿಗೆ ಈ ಕೆಳಕಂಡಂತೆ ಮರು ಹಂಚಿಕೆ ಮಾಡಿ ಆದೇಶ ಹೊರಡಿಸಲಾಗಿದೆ.

Sl No.	Head	Amount in Rs.
01	Minor Equipments	1,70,000-00
02	Chemicals / Glasswares	-
03	Travel / Field work	20,000-00
04	Contingency	10,000-00
	Total	2,00,000-00

ಉಳಿದಂತೆ ಉಲ್ಲೇಖ(01)ರ ಆದೇಶದಲ್ಲಿ ಯಾವುದೇ ಬದಲಾವಣೆ ಇರುವುದಿಲ್ಲ.

ಮಾನ್ಯ ಕುಲಸಚಿವರಿಂದ ಕರಡು
ಅನುಮೋದಿಸಲಾಗಿದೆ

(ಡಾ.ಬಿ.ತಿಪ್ಪೇಸ್ವಾಮಿ)
ಉಪ ಕುಲಸಚಿವರು

ಗೆ,

ಹಣಕಾಸು ಅಧಿಕಾರಿಗಳು, ಕುವೆಂಪು ವಿಶ್ವವಿದ್ಯಾಲಯ, ಶಂಕರಘಟ್ಟ

ಪ್ರತಿ:

1. ಅಧ್ಯಕ್ಷರು, ಸ್ನಾತಕೋತ್ತರ ಎಲೆಕ್ಟ್ರಾನಿಕ್ಸ್ ಅಧ್ಯಯನ ವಿಭಾಗ, ಕುವೆಂಪು ವಿಶ್ವವಿದ್ಯಾಲಯ, ಜ್ಞಾನ ಸಹ್ಯಾದ್ರಿ, ಶಂಕರಘಟ್ಟ.

2/2/2021

4


KUVEMPU UNIVERSITY

Vishwavidyalaya Karyalaya, Jnana Sahyadri, Shankaraghatta-577451
Accredited by NAAC with "A" Grade & Ranked 73rd by NIRF

Office Order

Subject : Approval of Start-Up Research Grant to Dr. Pradeepa K., Assistant Professor, Dept. of Biotechnology, Sahyadri Science College, Shivamogga - Reg.

Ref : 1. No. KU/DV-4/177/2020-21/1537, Dated: 28-08-2020
2. Research Review Board meeting, Dated: 20-10-2020
3. Approval of Hon'ble Vice-Chancellor, Dated: 16-12-2020.

Preamble :

The Kuvempu University strives to promote Teaching and Research in emerging areas in Basic Science, Humanities, Social Sciences, Languages, Literature, etc. The main focus would be supporting such areas with cutting edge research in different disciplines.

Therefore, the Project proposals were invited from the eligible faculty members under the Start-Up Research Grant in the prescribed form (Ref.1). In this connection, the Principal Investigators of various departments have submitted their proposals. The meeting of the Research Review Board has examined and recommended the project proposals (Ref.2). The Board has recommended to sanction an amount of Rs.2,00,000-00 (Rupees two lakhs only) for Science faculty teachers as seed money for research purpose for the duration of 12 months.

Order No: KU/DV-4/177/2020-21/ 3979 /Dated:21-12-2020

In view of the facts detailed above and approval of the Hon'ble Vice-Chancellor (Ref. 3) an amount of Rs.2,00,000-00 (Rupees two lakhs only) has been sanctioned to Dr. Pradeepa K., Assistant Professor, Dept. of Biotechnology, Sahyadri Science College, Shivamogga-577203, for the project entitled "**Study of Effect of Arcaidine from Areca nut on Hepatocellular Carcinoma**" as seed money for research purpose for the duration of 12 months with effect from 01-01-2021 to 31-12-2021.

The allocation of head is as follows .

Sl No.	Head	Amount in Rs.
01	Minor Equipments	1,00,000-00
02	Chemicals / Glasswares	70,000-00
03	Travel / Field work	20,000-00
04	Contingency	10,000-00
	Total	2,00,000-00

The above amount is chargeable to the head of account "1 AC 5.2/Research project funding for Start-up Scheme / Incubation centre" of the University budget for the financial year 2020-21 and 2021-22.


21/12/2020

Conditions :

1. The amount shall be utilized as per the KTPP Act and norms of the Kuvempu University.
2. The Principal Investigator must publish minimum 02 Research papers in UGC care list journals / Scopus journals
3. The Principal Investigator must maintain all the records as per the UGC guide lines
4. The Utilization Certificate / Statement of Expenditure / Research Report to the effect that the grant has been utilized for the purpose for which it has been sanctioned shall be furnished to the Kuvempu University as early as possible after the close of the current financial year.
5. One copy of Project stock register should be maintained in the Department.
6. All project correspondence should be through the proper channel.

To,

✓ Dr. Pradeepa K., Assistant Professor, Dept. of Biotechnology, Sahyadri Science College, Shivamogga-577203.

Copy to :

1. The Finance Officer, Jnana Sahyadri, Kuvempu University, Shankaraghatta-577451.
2. The Principal, Sahyadri Science College, Shivamogga-577203.
3. The Personnel section to Honourable Vice-Chancellor / Registrar, Jnana Sahyadri, Kuvempu University, Shankaraghatta-577451.
4. Office Copy

Fax: 08282-256262
E-mail: ku.develop@gmail.com

08282-256147 (Development Section)

08282-256147 (Development Section)
Website : www.kuvempu.ac.in

KUVEMPU UNIVERSITY

Vishwavidyalaya Karyalaya, Jnana Sahyadri, Shankaraghatta-577451
Accredited by NAAC with "A" Grade & Ranked 73rd by NIRF

Office Order

- Subject :** Approval of Start-Up Research Grant to Dr. Ravindra Gowda S.M.,
Assistant Director, Dept of Physical Education, Kuvempu University - Reg.
- Ref :**
1. No. KU/DV-4/177/2020-21/1537, Dated: 28-08-2020
 2. Research Review Board meeting, Dated: 20-10-2020
 3. Approval of Hon'ble Vice - Chancellor, Dated: 16-12-2020

Preamble :

The Kuvempu University strives to promote Teaching and Research in emerging areas in Basic Science, Humanities, Social Sciences, Languages, Literature, etc. The main focus would be supporting such areas with cutting edge research in different disciplines.

Therefore, the Project proposals were invited from the eligible faculty members under the Start-Up Research Grant in the prescribed form (Ref.1). In this connection, the Principal Investigators of various departments have submitted their proposals. The meeting of the Research Review Board has examined and recommended the project proposal (Ref.2). The Board has recommended to sanction an amount of Rs.1,00,000-00 (Rupees one lakh only) for Education faculty teachers as seed money for research purpose for the duration of 12 months.

Order No: KU/DV-4/177/2020-21/580 - Dated: 21-12-2020

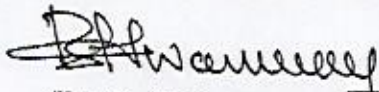
In view of the facts detailed above and approval of the Hon'ble Vice-Chancellor (Ref. 3) an amount of Rs.1,00,000-00 (Rupees one lakh only) has been sanctioned to Dr. Ravindra Gowda S.M., Assistant Director, Dept. of Physical Education, Kuvempu University, Shankaraghatta-577451 for the project entitled "Exploration of Physiological and Psychological Profiles of Indigenous Games" as seed money for research purpose for the duration of 12 months with effect from 01-01-2021 to 31-12-2021.

The allocation of head is as follows .

Sl No.	Head	Amount in Rs.
01	Minor Equipments	70,000-00
02	Travel / Field work	20,000-00
03	Contingency	10,000-00
	Total	1,00,000-00

The above amount is chargeable to the head of account "1 AC 5.2/Research project funding for Start-up Scheme / Incubation centre" of the University budget for the financial year 2020-21 and 2021-22.

Draft Approved
by the Registrar


(Dr. B. Thippeswamy) 21/12/2020
DEPUTY REGISTRAR

Conditions :

1. The amount shall be utilized as per the KTPP Act and norms of the Kuvempu University.
2. The Principal Investigator must publish minimum 02 Research papers in UGC care list journals / Scopus journals.
3. The Principal Investigator must maintain all the records as per the UGC guide lines
4. The Utilization Certificate / Statement of Expenditure / Research Report to the effect that the grant has been utilized for the purpose for which it has been sanctioned shall be furnished to the Kuvempu University as early as possible after the close of the current financial year.
5. One copy of Project stock register should be maintained in the Département.
6. All project correspondence should be through the proper channel.

To,

Dr. Ravindra Gowda S.M., Assistant Director, Dept. of Physical Education,
Jnana Sahyadri, Kuvempu University, Shankaraghatta-577451.

Copy to :

1. The Finance Officer, Jnana Sahyadri, Kuvempu University, Shankaraghatta-577451
2. The Director, Dept. of Physical Education, Jnana Sahyadri, Kuvempu University,
Shankaraghatta-577451
3. The Personnel section to Honourable Vice - Chancellor / Registrar, Jnana Sahyadri, Kuvempu
University, Shankaraghatta-577451
4. Office Copy

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KUVEMPU UNIVERSITY

Vishwavidyalaya Karyalaya, Jnana Sahyadri, Shankaraghatta-577451
Accredited by NAAC with "A" Grade & Ranked 73rd by NIRF

Office Order

- Subject :** Approval of Start-Up Research Grant to Dr. Shrishail, Assistant Professor, Dept. of Applied Botany, Kuvempu University- Reg.
- Ref :**
1. No. KU/DV-4/177/2020-21/1537. Dated: 28-08-2020
 2. Research Review Board meeting. Dated: 20-10-2020
 3. Approval of Hon'ble Vice-Chancellor, Dated: 16-12-2020.

Preamble :

The Kuvempu University strives to promote Teaching and Research in emerging areas in Basic Science, Humanities, Social Sciences, Languages, Literature, etc. The main focus would be supporting such areas with cutting edge research in different disciplines.

Therefore, the Project proposals were invited from the eligible faculty members under the Start-Up Research Grant in the prescribed form (Ref.1). In this connection, the Principal Investigators of various departments have submitted their proposals. The meeting of the Research Review Board has examined and recommended the project proposals (Ref.2). The Board has recommended to sanction an amount of Rs.2,00,000-00 (Rupees two lakhs only) for Science faculty teachers as seed money for research purpose for the duration of 12 months.

Order No: KU/DV-4/177/2020-21/584 - /Dated:21-12-2020

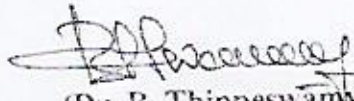
In view of the facts detailed above and approval of the Hon'ble Vice-Chancellor (Ref. 3) an amount of Rs.2,00,000-00 (Rupees two lakhs only) has been sanctioned to Dr. Shrishail., Assistant Professor, Dept. of Applied Botany, Kuvempu University, Shankaraghatta-577451 for the project entitled "**Investigation of Anticancerous Compounds *Plumbago zeylanica* Linn. Grown in Western Ghats, Karnataka**" as seed money for research purpose for the duration of 12 months with effect from 01-01-2021 to 31-12-2021.

The allocation of head is as follows .

Sl No.	Head	Amount in Rs.
01	Minor Equipments	1,00,000-00
02	Chemicals / Glasswares	70,000-00
03	Travel / Field work	20,000-00
04	Contingency	10,000-00
	Total	2,00,000-00

The above amount is chargeable to the head of account "**1 AC 5.2/Research project funding for Start-up Scheme / Incubation centre**" of the University budget for the financial year 2020-21 and 2021-22.

Draft Approved
by the Registrar


(Dr. B. Thippeswamy) 21/12/20
DEPUTY REGISTRAR
Deputy Registrar (Development)
Kuvempu University

Conditions :

1. The amount shall be utilized as per the K TPP Act and norms of the Kuvempu University.
2. The Principal Investigator must publish minimum 02 Research papers in UGC care list journals / Scopus journals.
3. The Principal Investigator must maintain all the records as per the UGC guide lines
4. The Utilization Certificate / Statement of Expenditure / Research Report to the effect that the grant has been utilized for the purpose for which it has been sanctioned shall be furnished to the Kuvempu University as early as possible after the close of the current financial year.
5. One copy of Project stock register should be maintained in the Department.
6. All project correspondence should be through the proper channel.

To,

**Dr. Shrishail., Assistant Professor, Dept. of Applied Botany, Jnana Sahyadri,
Kuvempu University, Shankaraghatta-577451.**

Copy to :

1. The Finance Officer, Jnana Sahyadri, Kuvempu University, Shankaraghatta-577451.
2. The Chairman, Dept. of Applied Botany, Jnana Sahyadri, Kuvempu University,
Shankaraghatta-577451.
3. The Personnel section to Honourable Vice- Chancellor / Registrar, Jnana Sahyadri,
Kuvempu University, Shankaraghatta-577451
4. Office Copy

o/c

KUVEMPU UNIVERSITY

Vishwavidyalaya Karyalaya, Jnana Sahyadri, Shankaraghatta-577451
Accredited by NAAC with "A" Grade & Ranked 73rd by NIRF

Office Order

- Subject :** Approval of Start-Up Research Grant to Dr. Shwetha A., Assistant Professor, Dept. of Applied Zoology, Kuvempu University - Reg.
- Ref :**
1. No. KU/DV-4/177/2020-21/1537. Dated: 28-08-2020
 2. Research Review Board meeting. Dated: 20-10-2020
 3. Approval of Hon'ble Vice-Chancellor. Dated: 16-12-2020.

Preamble :

The Kuvempu University strives to promote Teaching and Research in emerging areas in Basic Science, Humanities, Social Sciences, Languages, Literature, etc. The main focus would be supporting such areas with cutting edge research in different disciplines.

Therefore, the Project proposals were invited from the eligible faculty members under the Start-Up Research Grant in the prescribed form (Ref.1). In this connection, the Principal Investigators of various departments have submitted their proposals. The meeting of the Research Review Board has examined and recommended the project proposals (Ref.2). The Board has recommended to sanction an amount of Rs.2,00,000-00 (Rupees two lakhs only) for Science faculty teachers as seed money for research purpose for the duration of 12 months.

Order No: KU/DV-4/ 177 /2020-21/ - 581 -/Dated:21-12-2020

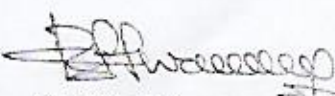
In view of the facts detailed above and approval of the Hon'ble Vice-Chancellor (Ref. 3) an amount of Rs.2,00,000-00 (Rupees two lakhs only) has been sanctioned to Dr.Shwetha A., Assistant Professor, Dept. of Applied Zoology, Kuvempu University, Shankaraghatta-577451 for the project entitled "**Ecological studies on Kundavada wetland, Davangere Dist, Karnataka with special reference to Avifauna**" as seed money for research purpose for the duration of 12 months with effect from 01-01-2021 to 31-12-2021.

The allocation of head is as follows .

Sl No.	Head	Amount in Rs.
01	Minor Equipments	1,00,000-00
02	Chemicals / Glasswares	70,000-00
03	Travel / Field work	20,000-00
04	Contingency	10,000-00
	Total	2,00,000-00

The above amount is chargeable to the head of account "1 AC 5.2/Research project funding for Start-up Scheme / Incubation centre" of the University budget for the financial year 2020-21 and 2021-22.

Draft Approved
by the Registrar


(Dr. B. Thippeswamy) 21/12/2020
DEPUTY REGISTRAR
Deputy Registrar (Development)

Conditions :

1. The amount shall be utilized as per the KTPP Act and norms of the Kuvempu University.
2. The Principal Investigator must publish minimum 02 Research papers in UGC care list journals / Scopus journals.
3. The Principal Investigator must maintain all the records as per the UGC guide lines
4. The Utilization Certificate / Statement of Expenditure / Research Report to the effect that the grant has been utilized for the purpose for which it has been sanctioned shall be furnished to the Kuvempu University as early as possible after the close of the current financial year.
5. One copy of Project stock register should be maintained in the Department.
6. All project correspondence should be through the proper channel.

To,

✓ Dr. Shwetha A., Assistant Professor, Dept. of Applied Zoology, Jnana Sahyadri.
Kuvempu University, Shankaraghatta-577451.

Copy to :

1. The Finance Officer, Jnana Sahyadri, Kuvempu University, Shankaraghatta-577451.
2. The Chairman, Dept. of Applied Zoology, Jnana Sahyadri, Kuvempu University, Shankaraghatta-577451.
3. The Personnel section to Honourable Vice- Chancellor / Registrar, Jnana Sahyadri, Kuvempu University, Jnana Sahyadri, Shankaraghatta-577451.
4. Office Copy

KUVEMPU UNIVERSITY **DESPATCHED**

Vishwavidyalaya Karyalaya, Jnana Sahyadri, Shankaraghatta-577451
Accredited by NAAC with "A" Grade & Ranked 73rd by NIRF

Office Order

- Subject :** Approval of Start-Up Research Grant to Dr. Varunakumara J.B., Assistant Professor, Dept. of Biochemistry, Sahyadri Science College, Shivamogga - Reg.
- Ref :**
1. No. KU/DV-4/177/2020-21/1537. Dated: 28-08-2020
 2. Research Review Board meeting. Dated: 20-10-2020
 3. Approval of Hon'ble Vice-Chancellor. Dated: 16-12-2020.

Preamble :

The Kuvempu University strives to promote Teaching and Research in emerging areas in Basic Science, Humanities, Social Sciences, Languages, Literature, etc. The main focus would be supporting such areas with cutting edge research in different disciplines.

Therefore, the Project proposals were invited from the eligible faculty members under the Start-Up Research Grant in the prescribed form (Ref.1). In this connection, the Principal Investigators of various departments have submitted their proposals. The meeting of the Research Review Board has examined and recommended the project proposals (Ref.2). The Board has recommended to sanction an amount of Rs.2,00,000-00 (Rupees two lakhs only) for Science faculty teachers as seed money for research purpose for the duration of 12 months.

Order No: KU/DV-4/177/2020-21/3978 /Dated:21-12-2020

In view of the facts detailed above and approval of the Hon'ble Vice-Chancellor (Ref. 3) an amount of Rs.2,00,000-00 (Rupees two lakhs only) has been sanctioned to Dr. Varunakumara J.B., Assistant Professor, Dept. of Biochemistry, Sahyadri Science College, Shivamogga-577203 for the project entitled "Synergistic approach towards cardiovascular protection by designing of biodegradable nanocarriers loaded with nutraceutical and statin" as seed money for research purpose for the duration of 12 months with effect from 01-01-2021 to 31-12-2021.

The allocation of head is as follows .

Sl No.	Head	Amount in Rs.
01	Minor Equipments	1,00,000-00
02	Chemicals / Glasswares	70,000-00
03	Travel / Field work	20,000-00
04	Contingency	10,000-00
	Total	2,00,000-00

The above amount is chargeable to the head of account "1 AC 5.2/Research project funding for Start-up Scheme / Incubation centre" of the University budget for the financial year 2020-21 and 2021-22.

Draft Approved
by the Registrar

(Dr. B. Thippeswamy)

DEPUTY REGISTRAR
Deputy Registrar (Development)
Kuvempu University

Conditions :

1. The amount shall be utilized as per the KTPP Act and norms of the Kuvempu University.
2. The Principal Investigator must publish minimum 02 Research papers in UGC care list journals / Scopus journals.
3. The Principal Investigator must maintain all the records as per the UGC guide lines
4. The Utilization Certificate / Statement of Expenditure / Research Report to the effect that the grant has been utilized for the purpose for which it has been sanctioned shall be furnished to the Kuvempu University as early as possible after the close of the current financial year.
5. One copy of Project stock register should be maintained in the Department.
6. All project correspondence should be through the proper channel

To,

Dr. Varunakumara J.B., Assistant Professor, Dept. of Biochemistry, Sahyadri Science College, Shivamogga-577203.

Copy to :

1. The Finance Officer, Jnana Sahyadri, Kuvempu University, Shankaraghatta-577451.
2. The Principal, Sahyadri Science College, Shivamogga-577203
3. The Personnel section to Honourable Vice- Chancellor / Registrar, Jnana Sahyadri, Kuvempu University, Shankaraghatta-577451.
4. Office Copy

o/c

KUVEMPU UNIVERSITY

Vishwavidyalaya Karyalaya, Jnana Sahyadri, Shankaraghatta-577451
Accredited by NAAC with "A" Grade & Ranked 73rd by NIRF

Office Order

Subject : Approval of Start-Up Research Grant to Shashiraj U., Assistant Professor, Dept of Studies in Tourism, Administration, Sahyadri Commerce & Management College, Shivamogga - Reg.

Ref : 1. No. KU/DV-4/177/2020-21/1537, Dated: 28-08-2020
2. Research Review Board meeting, Dated: 20-10-2020
3. Approval of Hon'ble Vice-Chancellor, Dated:16-12-2020

Preamble :

The Kuvempu University strives to promote Teaching and Research in emerging areas in Basic Science, Humanities, Social Sciences, Languages, Literature, etc. The main focus would be supporting such areas with cutting edge research in different disciplines.

Therefore, the Project proposals were invited from the eligible faculty members under the Start-Up Research Grant in the prescribed form (Ref.1). In this connection, the Principal Investigators of various departments have submitted their proposals. The meeting of the Research Review Board has examined and recommended the project proposals (Ref.2). The Board has recommended to sanction an amount of Rs.1,00,000-00 (Rupees one lakh only) for Commerce faculty teachers as seed money for research purpose for the duration of 12 months.

Order No: KU/DV-4/177/2020-21/ 3980. Dated:21-12-2020

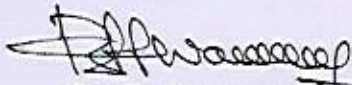
In view of the facts detailed above and approval of the Hon'ble Vice-Chancellor (Ref. 3) an amount of Rs.1,00,000-00 (Rupees one lakh only) has been sanctioned to Shashiraj U., Assistant Professor, Dept. of Studies in Tourism Administration, Sahyadri Commerce & Management College, Shivamogga-577203 for the project entitled "Marketing Effectiveness and Challenges in Promoting Medical and Wellness Tourism in Karnataka" as seed money for research purpose for the duration of 12 months with effect from 01-01-2021 to 31-12-2021.

The allocation of head is as follows :

Sl No.	Head	Amount in Rs.
01	Books / Journals/ Magazines	70,000-00
02	Travel / Field work	20,000-00
03	Contingency	10,000-00
	Total	1,00,000-00

The above amount is chargeable to the head of account "1 AC 5.2/Research project funding for Start-up Scheme / Incubation centre" of the University budget for the financial year 2020-21 and 2021-22.

Draft Approved
by the Registrar


(Dr. B. Thippeswamy) 21/12/2020

DEPUTY REGISTRAR
Deputy Registrar (Development)
Kuvempu University

Conditions :

1. The amount shall be utilized as per the KTPP Act and norms of the Kuvempu University.
2. The Principal Investigator must publish minimum 02 Research papers in UGC care list journals / Scopus journals.
3. The Principal Investigator must maintain all the records as per the UGC guide lines
4. The Utilization Certificate / Statement of Expenditure / Research Report to the effect that the grant has been utilized for the purpose for which it has been sanctioned shall be furnished to the Kuvempu University as early as possible after the close of the current financial year.
5. One copy of Project stock register should be maintained in the Department.
6. All project correspondence should be through the proper channel.

To,

**Shashiraj. U, Assistant Professor, Dept. of Studies in Tourism Administration,
Sahyadri Commerce & Management College, Shivamogga-577203.**

Copy to :

1. The Finance Officer, Jnana Sahyadri, Kuvempu University, Shankaraghatta-577451.
2. The Principal, Sahyadri Commerce & Management College, Shivamogga-577203.
3. The Personnel section to Honourable Vice - Chancellor / Registrar, Jnana Sahyadri, Kuvempu University, Shankaraghatta-577451.
4. Office Copy

slc

KUVEMPU UNIVERSITY

Vishwavidyalaya Karyalaya, Jnana Sahyadri, Shankaraghatta-577451
Accredited by NAAC with "A" Grade & Ranked 73rd by NIRF

Office Order

- Subject :** Approval of Start-Up Research Grant to Dr. Varunakumara J.B., Assistant Professor, Dept. of Biochemistry, Sahyadri Science College, Shivamogga - Reg.
- Ref:**
1. No. KU/DV-4/177/2020-21/1537. Dated: 28-08-2020
 2. Research Review Board meeting. Dated: 20-10-2020
 3. Approval of Hon'ble Vice-Chancellor. Dated: 16-12-2020.

Preamble :

The Kuvempu University strives to promote Teaching and Research in emerging areas in Basic Science, Humanities, Social Sciences, Languages, Literature, etc. The main focus would be supporting such areas with cutting edge research in different disciplines.

Therefore, the Project proposals were invited from the eligible faculty members under the Start-Up Research Grant in the prescribed form (Ref.1). In this connection, the Principal Investigators of various departments have submitted their proposals. The meeting of the Research Review Board has examined and recommended the project proposals (Ref.2). The Board has recommended to sanction an amount of Rs.2,00,000-00 (Rupees two lakhs only) for Science faculty teachers as seed money for research purpose for the duration of 12 months.

Order No: KU/DV-4/177/2020-21/ 3978 . /Dated:21-12-2020

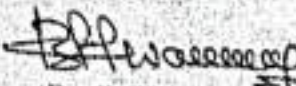
In view of the facts detailed above and approval of the Hon'ble Vice-Chancellor (Ref. 3) an amount of Rs.2,00,000-00 (Rupees two lakhs only) has been sanctioned to Dr. Varunakumara J.B., Assistant Professor, Dept. of Biochemistry, Sahyadri Science College, Shivamogga-577203 for the project entitled "Synergistic approach towards cardiovascular protection by designing of biodegradable nanocarriers loaded with nutraceutical and statin" as seed money for research purpose for the duration of 12 months with effect from 01-01-2021 to 31-12-2021.

The allocation of head is as follows .

Sl No.	Head	Amount in Rs.
01	Minor Equipments	1,00,000-00
02	Chemicals / Glasswares	70,000-00
03	Travel / Field work	20,000-00
04	Contingency	10,000-00
	Total	2,00,000-00

The above amount is chargeable to the head of account "1 AC 5.2/Research project funding for Start-up Scheme / Incubation centre" of the University budget for the financial year 2020-21 and 2021-22.

Draft Approved
by the Registrar

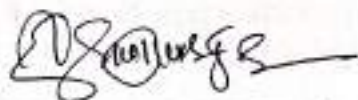

(Dr. B. Thippeswami) 21/12/2020
DEPUTY REGISTRAR
Deputy Registrar (Development)
Kuvempu University
Jnana Sahyadri
Shankaraghatta-577451
Shimoga (Dist.) PTO

Financial Assistance provided/ Expenditure incurred:

Sl. No.	Items	Total Amount Sanctioned	Expenditure Incurred
1	Minor Equipments	1,00,000/-	99,800/-
2	Chemicals/Glasswares	70,000/-	70,000/-
3	Travel/Field work	20,000/-	19,980/-
4	Contingency	10,000/-	9,844/-
	Total	2,00,000/-	1,99,624/-

UTILIZATION CERTIFICATE

It is Certified that the Research grant of Rs. 2, 00,000/- (Rupees Two Lakhs only) sanctioned from the Kuvempu University under the scheme of support for Start-Up Research grant entitled: "Synergistic approach towards cardiovascular protection by designing of biodegradable nanocarriers loaded with nutraceutical and statin", Order No: KU:DV-4:177:2020-21:3978, Dated: 21.12.2020. The total sanction amount is Rs. 2, 00,000/-. Out of which a sum of Rs. 1,99,624/- (Rupees One lakh ninety-nine thousand six hundred and twenty four only) has been utilized for the purpose of which it was sanctioned in accordance with the terms and condition laid down by the Kuvempu University.



PRINCIPAL INVESTIGATOR
(SIGNATURES WITH SEAL)

Dr. Varunakumara. J.B. M.Sc., Ph.D.,
Assistant Professor
Department of Biochemistry
Sahyadri Science College
Kuvempu University
Shivamogga-577 203, Karnataka, India



PRINCIPAL
(SIGNATURES WITH SEAL)

PRINCIPAL
SAHYADRI SCIENCE COLLEGE
(Constituent College of Kuvempu University)
SHIMOGA, Karnataka State.

FINAL REPORT OF THE WORK DONE ON THE PROJECT:

1. TITLE OF THE PROJECT: "Synergistic approach towards cardiovascular protection by designing of biodegradable nanocarriers loaded with nutraceutical and statin"
2. NAME AND ADDRESS OF THE PRINCIPAL INVESTIGATOR :
Dr. Varunakumara J B Assistant Professor, Department of Biochemistry,
Sahyadri Science College, Shivamogga
3. NAME AND ADDRESS OF THE INSTITUTION: Sahyadri Science College,
Shivamogga
4. SANCTION LETTER NO. AND DATE: NO: KU:DV-4:177:2020-21:3978, Dated:
21.12.2020
5. TENURE OF THE PROJECT: 01/01/2021 to 31/12/2021
7. TOTAL GRANT ALLOCATED: 2,00,000/- (Rupees Two Lakhs only)
8. FINAL EXPENDITURE: 1,99,624/- (Rupees One lakh ninety-nine thousand six hundred and twenty four only)
9. OBJECTIVES OF THE PROJECT:
 - Preparation and characterization of statin-loaded biodegradable nanoparticles.
 - *In vitro* drug release study of statin-loaded nanoparticles.
 - Hemocompatible study of statin-loaded chitosan nanoparticles
 - Assessing the stability of nanoparticles at physiological conditions.

10. WHETHER OBJECTIVES WERE ACHIEVED

Yes, the objectives have been achieved.

Nanoparticles-based drug delivery systems have considerable potential for treatment of several diseases such as cardiovascular diseases, rheumatoid arthritis, cancer etc. The treatment of these diseases often require high dosages and frequent administration of drug, which can lead to toxic manifestations, inappropriate pharmacological disposition, impaired metabolism and other negative effects. Targeted drug delivery system using nanotechnology strategies must supply drugs selectively to its site of action in a manner that provides maximum therapeutic activity to prevent degradation or inactivation of drug itself during transit to the target site and protect the body from adverse reactions. More precisely, designed nanoparticles would illuminate the inner core loaded with trigger-responsive drugs that can be released on demand in a sequential manner. These nanoparticles are biocompatible and can be labeled.

KUVEMPU UNIVERSITY

Vishwavidyalaya Karyalaya, Jnana Sahyadri, Shankaraghatta-577451
Accredited by NAAC with "A" Grade & Ranked 73rd by NIRF

Office Order

- Subject :** Approval of Start-Up Research Grant to Dr. Basavarajappa S.H., Assistant Professor, Dept. of Environmental Science, Kuvempu University - Reg.
- Ref :**
1. No. KU/DV-4/177/2020-21/1537, Dated: 28-08-2020
 2. Research Review Board meeting, Dated: 20-10-2020
 3. Approval of Hon'ble Vice-Chancellor, Dated: 16-12-2020.

Preamble :

The Kuvempu University strives to promote Teaching and Research in emerging areas in Basic Science, Humanities, Social Sciences, Languages, Literature, etc. The main focus would be supporting such areas with cutting edge research in different disciplines.

Therefore, the Project proposals were invited from the eligible faculty members under the Start-Up Research Grant in the prescribed form (Ref.1). In this connection, the Principal Investigators of various departments have submitted their proposals. The meeting of the Research Review Board has examined and recommended the project proposals (Ref.2). The Board has recommended to sanction an amount of Rs.2,00,000-00 (Rupees two lakhs only) for Science faculty teachers as seed money for research purpose for the duration of 12 months.

Order No: KU/DV-4/177/2020-21/ - 583 - Dated: 21-12-2020

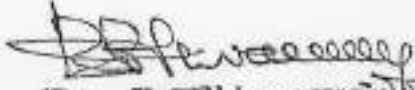
In view of the facts detailed above and approval of the Hon'ble Vice-Chancellor (Ref. 3) an amount of Rs.2,00,000-00 (Rupees two lakhs only) has been sanctioned to Dr. Basavarajappa S.H., Assistant Professor, Dept. of Environmental Science, Kuvempu University, Shankaraghatta-577451 for the project entitled "Isolation and characterization of nitrifying bacteria for degrading biomass in eutrophicated water bodies" as seed money for research purpose for the duration of 12 months with effect from 01-01-2021 to 31-12-2021.

The allocation of head is as follows.

Sl No.	Head	Amount in Rs.
01	Minor Equipments	1,00,000-00
02	Chemicals / Glasswares	70,000-00
03	Travel / Field work	20,000-00
04	Contingency	10,000-00
Total		2,00,000-00

The above amount is chargeable to the head of account "1 AC 5.2/Research project funding for Start-up Scheme / Incubation centre" of the University budget for the financial year 2020-21 and 2021-22.

Draft Approved
by the Registrar


(Dr. B. Thippeswain) 21/12/20

DEPUTY REGISTRAR
Deputy Registrar (Development)
Kuvempu University

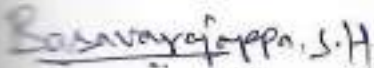
Jnana Sahyadri
Shankaraghatta-577451

KUVEMPU  UNIVESITY

Jnana Sahyadri, Shankaraghatta

UTILIZATION CERTIFICATE

Certified that the grant of Rs.2,00,000-00(Rupees Two Lakhs only) Received from the Kuvempu University under the Start-up Research Grant scheme of support for Minor Research Project entitled "**ISOLATION AND CHARECTERIZATION OF NITRIFYING BACTERIA FOR DEGRADING BIOMASS IN EUTROPHICATED WATER BODIES**" vide reference Letter No: KU/DV-4/177/2020-21-583/ Dated: 21-12-2020 has been fully utilized for the purpose for which it was sanctioned and in accordance with the terms and conditions laid down by the University.


Signature of the 15/12/22
Principal Investigator
Dr. Basavarajappa, S.H.M.Sc.,PH.D.
Assistant Professor
Department of Environmental Science
Kuvempu University, Jnanasahyadri
Shankaraghatta-577 451
Shimoga Dist. Karnataka, India.


Finance Officer
Finance Officer
Kuvempu University
Shankaraghatta - 577 451


Registrar
Registrar
Kuvempu University
Jnanasahyadri
Shankaraghatta-577 451
Shimoga (Dist.)


KUVEMPU UNIVERSITY

Vishwavidyalaya Karyalaya, Jnana Sahyadri, Shankaraghatta-577451
Accredited by NAAC with "A" Grade & Ranked 73rd by NIRF

Office Order

Subject : Approval of Start-Up Research Grant to Dr. Devidas Gaibanna B., Associate Professor, Dept. of Physics, Kuvempu University - Reg.

Ref : 1. No. KU/DV-4/177/2020-21/1537, Dated: 28-08-2020
2. Research Review Board meeting, Dated: 20-10-2020
3. Approval of Hon'ble Vice-Chancellor, Dated: 16-12-2020.

Preamble :

The Kuvempu University strives to promote Teaching and Research in emerging areas in Basic Science, Humanities, Social Sciences, Languages, Literature, etc. The main focus would be supporting such areas with cutting edge research in different disciplines.

Therefore, the Project proposals were invited from the eligible faculty members under the Start-Up Research Grant in the prescribed form (Ref.1). In this connection, the Principal Investigators of various departments have submitted their proposals. The meeting of the Research Review Board has examined and recommended the project proposals (Ref.2). The Board has recommended to sanction an amount of Rs.2,00,000-00 (Rupees two lakhs only) for Science faculty teachers as seed money for research purpose for the duration of 12 months..

Order No: KU/DV-4/177/2020-21/ -579 /Dated: 21-12-2020

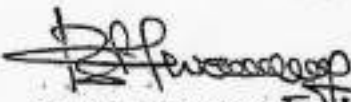
In view of the facts detailed above and approval of the Hon'ble Vice-Chancellor (Ref. 3) an amount of Rs.2,00,000-00 (Rupees two lakhs only) has been sanctioned to Dr. Devidas Gaibanna B., Associate Professor, Dept. of Physics, Kuvempu University, Shankaraghatta-577451 for the project entitled "Effect of Radiation on Optical, Electrical, Structural and Some other Properties of Borate and Phosphate Glasses" as seed money for research purpose for the duration of 12 months with effect from 01-01-2021 to 31-12-2021.

The allocation of head is as follows .

Sl No.	Head	Amount in Rs.
01	Minor Equipments	1,00,000-00
02	Chemicals / Glasswares	70,000-00
03	Travel / Field work	20,000-00
04	Contingency	10,000-00
	Total	2,00,000-00

The above amount is chargeable to the head of account "1 AC 5.2/Research project funding for Start-up Scheme / Incubation centre" of the University budget for the financial year 2020-21 and 2021-22.

Draft Approved


(Dr. B. Thippeswamy) 21/12/2020

Conditions :

1. The amount shall be utilized as per the KTPP Act and norms of the Kuvempu University.
2. The Principal Investigator must publish minimum 02 Research papers in UGC care list journals / Scopus journals.
3. The Principal Investigator must maintain all the records as per the UGC guide lines
4. The Utilization Certificate / Statement of Expenditure / Research Report to the effect that the grant has been utilized for the purpose for which it has been sanctioned shall be furnished to the Kuvempu University as early as possible after the close of the current financial year.
5. One copy of Project stock register should be maintained in the Department.
6. All project correspondence should be through the proper channel

To,

Dr. Devidas Gaibanna B., Associate Professor, Dept. of Physics, Jnana Sahyadri,
Kuvempu University, Shankaraghatta-577451.

Copy to :

1. The Finance Officer, Jnana Sahyadri, Kuvempu University, Shankaraghatta-577451.
2. The Chairman, Dept. of Physics, Jnana Sahyadri, Kuvempu University, Shankaraghatta-577451.
3. The Personnel section to Honourable Vice- Chancellor / Registrar, Jnana Sahyadri, Kuvempu University, Shankaraghatta-577451.
4. Office Copy



Jnana Sahyadri, Shankaraghatta

UTILIZATION CERTIFICATE

Certified that the grant of Rs.2,00,000-00(Rupees Two Lakhs only) Received from the Kuvempu University under the of Start-up Research Grant scheme of support for Minor Research Project entitled "Effect of Radiation on Optical, Electrical, Structural and Some other Properties of Borate and Phosphate Glasses" vide reference Letter No: KU/DV-4/177/2020-21/579 Dated:21-12—2020 has been fully utilized for the purpose for which it was sanctioned and in accordance with the terms and conditions laid down by the University.


Signature of the
Principal Investigator


Finance Officer
Finance Officer,
KUVEMPU UNIVERSITY
Jnana Sahyadri
SHANKARAGHATTA-577451
Shimoga.


Registrar
Registrar
Kuvempu University
Jnana Sahyadri
Shankaraghatta-577 451
Shimoga (Dist.)

KUVEMPU UNIVERSITY

Vishwavidyalaya Karyalaya, Jnana Sahyadri, Shankaraghatta-577451
Accredited by NAAC with "A" Grade & Ranked 73rd by NIRF

Office Order

- Subject :** Approval of Start-Up Research Grant to Dr. Madhuri G.R., Assistant Professor, Dept. of Electronics, Kuvempu University - Reg.
- Ref :**
1. No. KU/DV-4/177/2020-21/1537. Dated: 28-08-2020
 2. Research Review Board meeting. Dated: 20-10-2020
 3. Approval of Hon'ble Vice-Chancellor. Dated: 16-12-2020.

Preamble :

The Kuvempu University strives to promote Teaching and Research in emerging areas in Basic Science, Humanities, Social Sciences, Languages, Literature, etc. The main focus would be supporting such areas with cutting edge research in different disciplines.

Therefore, the Project proposals were invited from the eligible faculty members under the Start-Up Research Grant in the prescribed form (Ref.1). In this connection, the Principal Investigators of various departments have submitted their proposals. The meeting of the Research Review Board has examined and recommended the project proposals (Ref.2). The Board has recommended to sanction an amount of Rs.2,00,000-00 (Rupees two lakhs only) for Science faculty teachers as seed money for research purpose for the duration of 12 months.

Order No: KU/DV-4/ 177 /2020-21/- 588 - /Dated:21-12-2020

In view of the facts detailed above and approval of the Hon'ble Vice-Chancellor (Ref. 3), an amount of Rs.2,00,000-00 (Rupees two lakhs only) has been sanctioned to Dr. Madhuri G.R., Assistant Professor, Dept. of Electronics, Kuvempu University, Shankaraghatta-577451 for the project entitled "Image Analysis and Segmentation Techniques" as seed money for research purpose for the duration of 12 months with effect from 01-01-2021 to 31-12-2021.

The allocation of head is as follows .

Sl No.	Head	Amount in Rs.
01	Minor Equipments	1,00,000-00
02	Chemicals / Glasswares	70,000-00
03	Travel / Field work	20,000-00
04	Contingency	10,000-00
	Total	2,00,000-00

The above amount is chargeable to the head of account "1 AC 5.2/Research project funding for Start-up Scheme / Incubation centre" of the University budget for the financial year 2020-21 and 2021-22.

Draft Approved
by the Registrar

B. Thippeswamy
(Dr. B. Thippeswamy) 21/12/2020
DEPUTY REGISTRAR
Deputy Registrar (Development)
Kuvempu University
Jnana Sahyadri
Shankaraghatta-577451
Srinivasa (Dist.)

PTO

Conditions :

1. The amount shall be utilized as per the KTPP Act and norms of the Kuvempu University.
2. The Principal Investigator must publish minimum 02 Research papers in UGC care list journals / Scopus journals.
3. The Principal Investigator must maintain all the records as per the UGC guide lines
4. The Utilization Certificate / Statement of Expenditure / Research Report to the effect that the grant has been utilized for the purpose for which it has been sanctioned shall be furnished to the Kuvempu University as early as possible after the close of the current financial year.
5. One copy of Project stock register should be maintained in the Department.
6. All project correspondence should be through the proper channel.

To,

✓
Dr. Madhuri G.R., Assistant Professor, Dept. of Electronics, Jnana Sahyadri,
Kuvempu University, Shankaraghatta-577451.

Copy to :

1. The Finance Officer, Jnana Sahyadri, Kuvempu University, Shankaraghatta-577451.
2. The Chairman, Dept. of Electronics, Jnana Sahyadri, Kuvempu University, Shankaraghatta-577451.
3. The Personnel section to Honourable Vice- Chancellor / Registrar, Jnana Sahyadri, Kuvempu University, Shankaraghatta-577451.
4. Office Copy

KUVEMPU UNIVERSITY



JNANASAHYADRI SHANKARAGHATTA – 577451

SHIMOGA

UTILIZATION CERTIFICATE

It is certified that the total grant of Rs. 1,97,055-00 (One lakh ninety-seven thousand fifty-five only) received from the Kuvempu University under the Start up Grant scheme of support for Minor Research Project entitled “**Image Analysis and Segmentation Techniques**” vide Reference letter No. **KU/DV-4/177/2020-21/582/733** dated **21-12-2020** has been fully utilized for the purpose for which it was sanctioned and in accordance with the terms and conditions laid down by the University.



**SIGNITURE OF THE PRINCIPAL
INVESTIGATOR**

*Dr. Muthuri. G. R.,
Assistant Professor*

Dept. of Electronics

Kuvempu University-577 451



Registrar/PRINCIPAL

**Jnana Sahyadri
Shankaraghatta-577 451
Shimoga (Dist.)**



**FINANCE OFFICER
Finance Officer**

**Kuvempu University
Shankaragatta-577 451**

**START-UP Research Grant
Kuvempu University**

PROJECT REPORT ON

Study of Effect of Arecaidine from Areca nut on Hepatocellular Carcinoma

Order No. KU:DV-4:177:2020-21:3979, Dated: 21.12.2020

Submitted by

Dr. Pradeepa K

Principal Investigator

& Assistant Professor

**Department of PG Studies and Research in Biotechnology
Sahyadri Science College, Kuvempu University, Shivamogga-577203
Karnataka, India**

2023



Financial Assistance provided/ Expenditure incurred:

Sl. No.	Items	Total Amount Sanctioned	Expenditure Incurred
1	Minor Equipments	1,00,000/-	99,998/-
2	Chemicals/Glasswares	70,000/-	70,000/-
3	Travel/Field work	20,000/-	18,480/-
4	Contingency	10,000/-	9,990/-
	Total	2,00,000/-	1,98,468/-

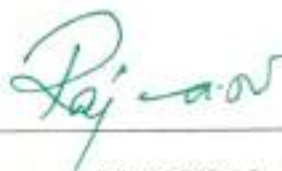
UTILIZATION CERTIFICATE

It is Certified that the Research grant of Rs. 2, 00,000/- (Rupees Two Lakhs only) sanctioned from the Kuvempu University under the scheme of support for Start-Up Research grant entitled: "Study of Effect of Arecaidine from Areca nut on Hepatocellular Carcinoma", Order No: KU:DV-4:177:2020-21:3979, Dated: 21.12.2020. The total sanction amount is Rs. 2, 00,000/-. Out of which a sum of Rs. 1,98,468/- (Rupees One lakh ninetyeight thousand four hundred sixtyeight only) has been utilized for the purpose of which it was sanctioned in accordance with the terms and condition laid down by the Kuvempu University.



PRINCIPAL INVESTIGATOR

(**Dr. Pradeep Kumar**)
(SIGNATURES WITH SEAL)
Assistant Professor
Dept. of P.G. Studies & Research in Biotechnology
Sahyadri Science College
Kuvempu University, Shivamogga-577 203.



PRINCIPAL

(**Principal**)
(SIGNATURES WITH SEAL)
SAHYADRI SCIENCE COLLEGE
(Constituent College of Kuvempu University)
SHIMOGA, Karnataka State.

Office Order

- Subject : Approval of Start-Up Research Grant to Dr. Pradeepa K., Assistant Professor, Dept. of Biotechnology, Sahyadri Science College, Shivamogga - Reg.
- Ref : 1. No. KU/DV-4/177/2020-21/1537. Dated: 28-08-2020
2. Research Review Board meeting. Dated: 20-10-2020
3. Approval of Hon'ble Vice-Chancellor. Dated: 16-12-2020

Preamble :

The Kuvempu University strives to promote Teaching and Research in emerging areas in Basic Science, Humanities, Social Sciences, Languages, Literature, etc. The main focus would be supporting such areas with cutting edge research in different disciplines.

Therefore, the Project proposals were invited from the eligible faculty members under the Start-Up Research Grant in the prescribed form (Ref.1). In this connection, the Principal Investigators of various departments have submitted their proposals. The meeting of the Research Review Board has examined and recommended the project proposals (Ref.2). The Board has recommended to sanction an amount of Rs.2,00,000-00 (Rupees two lakhs only) for Science faculty teachers as seed money for research purpose for the duration of 12 months.

Order No: KU/DV-4/177/2020-21/ 3979 /Dated:21-12-2020

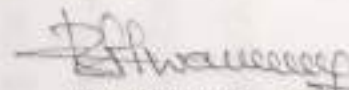
In view of the facts detailed above and approval of the Hon'ble Vice-Chancellor (Ref. 3) an amount of Rs.2,00,000-00 (Rupees two lakhs only) has been sanctioned to Dr. Pradeepa K., Assistant Professor, Dept. of Biotechnology, Sahyadri Science College, Shivamogga-577203, for the project entitled "**Study of Effect of Arecaidine from Areca nut on Hepatocellular Carcinoma**" as seed money for research purpose for the duration of 12 months with effect from 01-01-2021 to 31-12-2021.

The allocation of head is as follows .

Sl No.	Head	Amount in Rs.
01	Minor Equipments	1,00,000-00
02	Chemicals / Glasswares	70,000-00
03	Travel / Field work	20,000-00
04	Contingency	10,000-00
	Total	2,00,000-00

The above amount is chargeable to the head of account "1 AC 5.2/Research project funding for Start-up Scheme / Incubation centre" of the University budget for the financial year 2020-21 and 2021-22.

Draft Approved
by the Registrar


(Dr. B. Thippeswamy) 21/12/2020

DEPUTY REGISTRAR
Deputy Registrar (Development)
Kuvempu University
Jnana Sahyadri
Shankaraghatta-577451
Shivamogga District

PTO

KUVEMPU UNIVERSITY

Vishwavidyalaya Karyalaya, Jnana Sahyadri, Shankaraghatta-577451
Accredited by NAAC with "A" Grade & Ranked 73rd by NIRF

Office Order

- Subject:** Approval of Start-Up Research Grant to Dr. Ravindra Gowda S.M.,
Assistant Director, Dept of Physical Education, Kuvempu University - Reg.
- Ref:** 1. No. KU/DV-4/177/2020-21/1537, Dated: 28-08-2020
2. Research Review Board meeting, Dated: 20-10-2020
3. Approval of Hon'ble Vice - Chancellor, Dated:16-12-2020

Preamble :

The Kuvempu University strives to promote Teaching and Research in emerging areas in Basic Science, Humanities, Social Sciences, Languages, Literature, etc. The main focus would be supporting such areas with cutting edge research in different disciplines.

Therefore, the Project proposals were invited from the eligible faculty members under the Start-Up Research Grant in the prescribed form (Ref.1). In this connection, the Principal Investigators of various departments have submitted their proposals. The meeting of the Research Review Board has examined and recommended the project proposal (Ref.2). The Board has recommended to sanction an amount of Rs.1,00,000-00 (Rupees one lakh only) for Education faculty teachers as seed money for research purpose for the duration of 12 months.

Order No: KU/DV-4/ 177 /2020-21/ 530 - Dated: 21-12-2020

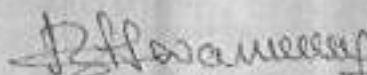
In view of the facts detailed above and approval of the Hon'ble Vice-Chancellor (Ref. 3) an amount of Rs.1,00,000-00 (Rupees one lakh only) has been sanctioned to Dr. Ravindra Gowda S.M., Assistant Director, Dept. of Physical Education, Kuvempu University, Shankaraghatta-577451 for the project entitled "Exploration of Physiological and Psychological Profiles of Indigenous Games" as seed money for research purpose for the duration of 12 months with effect from 01-01-2021 to 31-12-2021.

The allocation of head is as follows .

Sl No.	Head	Amount in Rs.
01	Minor Equipments	70,000-00
02	Travel / Field work	20,000-00
03	Contingency	10,000-00
	Total	1,00,000-00

The above amount is chargeable to the head of account "I AC 5.2/Research project funding for Start-up Scheme / Incubation centre" of the University budget for the financial year 2020-21 and 2021-22.

Draft Approved
by the Registrar


(Dr. B. Thippeswamy) 21/12/2020
DEPUTY REGISTRAR
Deputy Registrar (Development)
Kuvempu University
Jnana Sahyadri
Shankaraghatta-677 451
Shimoga (Dist.)

PTO

KUVEMPU UNIVERSITY



Jnana Sahyadri, Shankaraghatta

Utilization Certificate

Certified that the grant of Rs.1,00,000-00 (Rupees One Lakh only) Received from the Kuvempu University under the of Start up Research Grant scheme of support for Minor Research Project entitled "EXPLORATION OF PHYSIOLOGICAL AND PSYCHOLOGICAL PROFILES OF INDIGENOUS GAMES" vide reference Letter No: KU:DV- 4:177:2020-21:580 Dated 21-12-2020 has been fully utilized for the purpose for which it was sanctioned and in accordance with the terms and conditions laid down by the University.


Director, Physical Education
Kuvempu University, Shankaraghatta.


Finance Officer
KUVEMPU UNIVERSITY
Jnana Sahyadri
SHANKARAGHATTA-57740
Shimoga.


Registrar
Kuvempu University
Jnana Sahyadri
Shankaraghatta-577 451
Shimoga (Dist.)

KUVEMPU UNIVERSITY

Vishwavidyalaya Karyalaya, Jnana Sahyadri, Shankaraghatta-577451
Accredited by NAAC with "A" Grade & Ranked 73rd by NIRF

Office Order

Subject : Approval of Start-Up Research Grant to Shashiraj U., Assistant Professor, Dept of Studies in Tourism, Administration, Sahyadri Commerce & Management College, Shivamogga - Reg.

Ref : 1. No. KU/DV-4/177/2020-21/1537, Dated: 28-08-2020
2. Research Review Board meeting, Dated: 20-10-2020
3. Approval of Hon'ble Vice-Chancellor, Dated:16-12-2020

Preamble :

The Kuvempu University strives to promote Teaching and Research in emerging areas in Basic Science, Humanities, Social Sciences, Languages, Literature, etc. The main focus would be supporting such areas with cutting edge research in different disciplines.

Therefore, the Project proposals were invited from the eligible faculty members under the Start-Up Research Grant in the prescribed form (Ref.1). In this connection, the Principal Investigators of various departments have submitted their proposals. The meeting of the Research Review Board has examined and recommended the project proposals (Ref.2). The Board has recommended to sanction an amount of Rs.1,00,000-00 (Rupees one lakh only) for Commerce faculty teachers as seed money for research purpose for the duration of 12 months.

Order No: KU/DV-4/177/2020-21/ 3980. Dated:21-12-2020

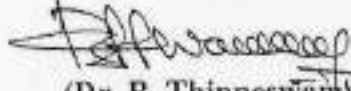
In view of the facts detailed above and approval of the Hon'ble Vice-Chancellor (Ref. 3) an amount of Rs.1,00,000-00 (Rupees one lakh only) has been sanctioned to Shashiraj U., Assistant Professor, Dept. of Studies in Tourism Administration, Sahyadri Commerce & Management College, Shivamogga-577203 for the project entitled "Marketing Effectiveness and Challenges in Promoting Medical and Wellness Tourism in Karnataka" as seed money for research purpose for the duration of 12 months with effect from 01-01-2021 to 31-12-2021.

The allocation of head is as follows :

Sl No.	Head	Amount in Rs.
01	Books / Journals/ Magazines	70,000-00
02	Travel / Field work	20,000-00
03	Contingency	10,000-00
	Total	1,00,000-00

The above amount is chargeable to the head of account "1 AC 5.2/Research project funding for Start-up Scheme / Incubation centre" of the University budget for the financial year 2020-21 and 2021-22.

Draft Approved
by the Registrar


(Dr. B. Thippeswamy) 21/12/20

DEPUTY REGISTRAR
Deputy Registrar (Development)
Kuvempu University
Jnana Sahyadri

Conditions :

1. The amount shall be utilized as per the KPPP Act and norms of the Kuvempu University.
2. The Principal Investigator must publish minimum 02 Research papers in UGC care list journals / Scopus journals.
3. The Principal Investigator must maintain all the records as per the UGC guide lines.
4. The Utilization Certificate / Statement of Expenditure / Research Report to the effect that grant has been utilized for the purpose for which it has been sanctioned shall be furnished to the Kuvempu University as early as possible after the close of the current financial year.
5. One copy of Project stock register should be maintained in the Department.
6. All project correspondence should be through the proper channel.

To,

Shashiraj. U, Assistant Professor, Dept. of Studies in Tourism Administration,
Sahyadri Commerce & Management College, Shivamogga-577203.

Copy to :

1. The Finance Officer, Jnana Sahyadri, Kuvempu University, Shankaraghatta-577451.
2. The Principal, Sahyadri Commerce & Management College, Shivamogga-577203.
3. The Personnel section to Honourable Vice - Chancellor / Registrar, Jnana Sahyadri, Kuvempu University, Shankaraghatta-577451.
4. Office Copy


SC

KUVEMPU UNIVERSITY

Jnana Sahyadri, Shankaraghatta

Utilization Certificate

Certified that the grant of Rs. 1,00,000/- (Rupees Two Lakh Only) received from the Kuvempu University under the **Start – up research Grant Scheme** of support for Minor Research Project entitled **“Marketing Effectiveness and Challenges in Promoting Medical and Wellness Tourism in Karnataka”** vide reference Letter No: KU/DV-4/177/2020-21/3980 Dated: 21-12-2020 has been fully utilized for the purpose for which it was sanctioned and in accordance with the terms and conditions laid down by the University.


Signature of the
Principal Investigator


Finance Officer
KUVEMPU UNIVERSITY
Jnana Sahyadri
SHANKARAGHATTA-67745


Registrar
Kuvempu University
Jnana Sahyadri
Shankaraghatta-677 451
Shivagiri (Dist)

KUVEMPU UNIVERSITY

Vishwavidyalaya Karyalaya, Jnana Sahyadri, Shankaraghatta-577451
Accredited by NAAC with "A" Grade & Ranked 73rd by NIRF

Office Order

- Subject : Approval of Start-Up Research Grant to Dr. Shrishail, Assistant Professor, Dept. of Applied Botany, Kuvempu University- Reg.
- Ref: 1. No. KU/DV-4/177/2020-21/1537. Dated: 28-08-2020
2. Research Review Board meeting. Dated: 20-10-2020
3. Approval of Hon'ble Vice-Chancellor. Dated: 16-12-2020.

Preamble :

The Kuvempu University strives to promote Teaching and Research in emerging areas in Basic Science, Humanities, Social Sciences, Languages, Literature, etc. The main focus would be supporting such areas with cutting edge research in different disciplines.

Therefore, the Project proposals were invited from the eligible faculty members under the Start-Up Research Grant in the prescribed form (Ref.1). In this connection, the Principal Investigators of various departments have submitted their proposals. The meeting of the Research Review Board has examined and recommended the project proposals (Ref.2). The Board has recommended to sanction an amount of Rs.2,00,000-00 (Rupees two lakhs only) for Science faculty teachers as seed money for research purpose for the duration of 12 months.

Order No: KU/DV-4/177/2020-21 - 584 /Dated:21-12-2020

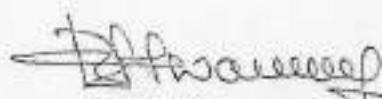
In view of the facts detailed above and approval of the Hon'ble Vice-Chancellor (Ref. 3) an amount of Rs.2,00,000-00 (Rupees two lakhs only) has been sanctioned to Dr. Shrishail, Assistant Professor, Dept. of Applied Botany, Kuvempu University, Shankaraghatta-577451 for the project entitled "Investigation of Anticancerous Compounds *Plumbago zeylanica* Linn. Grown in Western Ghats, Karnataka" as seed money for research purpose for the duration of 12 months with effect from 01-01-2021 to 31-12-2021.

The allocation of head is as follows .

Sl No.	Head	Amount in Rs.
01	Minor Equipments	1,00,000-00
02	Chemicals / Glasswares	70,000-00
03	Travel / Field work	20,000-00
04	Contingency	10,000-00
	Total	2,00,000-00

The above amount is chargeable to the head of account "1 AC 5.2/Research project funding for Start-up Scheme / Incubation centre" of the University budget for the financial year 2020-21 and 2021-22.

Draft Approved
by the Registrar


(Dr. B. Thippeswami) 21/12/2020

DEPUTY REGISTRAR
Deputy Registrar (Development)
Kuvempu University
Jnana Sahyadri

Conditions :

1. The amount shall be utilized as per the KPPP Act and norms of the Kuvempu University.
2. The Principal Investigator must publish minimum 02 Research papers in UGC care list journals / Scopus journals.
3. The Principal Investigator must maintain all the records as per the UGC guide lines.
4. The Utilization Certificate / Statement of Expenditure / Research Report to the effect that the grant has been utilized for the purpose for which it has been sanctioned shall be furnished to the Kuvempu University as early as possible after the close of the current financial year.
5. One copy of Project stock register should be maintained in the Department.
6. All project correspondence should be through the proper channel.

To,

✓ Dr. Shrishail, Assistant Professor, Dept. of Applied Botany, Inana Sahyadri,
Kuvempu University, Shankaraghatta-577451.

Copy to :

1. The Finance Officer, Inana Sahyadri, Kuvempu University, Shankaraghatta-577451.
2. The Chairman, Dept. of Applied Botany, Inana Sahyadri, Kuvempu University, Shankaraghatta-577451.
3. The Personnel section to Honourable Vice-Chancellor / Registrar, Inana Sahyadri, Kuvempu University, Shankaraghatta-577451.
4. Office Copy

KUVEMPU  **UNIVERSITY**

Jnana Sahyadri, Shankaraghatta

UTILIZATION CERTIFICATE

Certified that the grant of Rs.2,00,000-00(Rupees Two Lakhs only) received from the Kuvempu University under the of Start-up Research Grant scheme of support for Minor Research Project entitled "Investigation of Anticancerous compounds of *Plumbago zeylanica* Linn Grown in Western Ghats, Karnataka" vide reference Letter No: KU/DV-4/177/2020-21 /584 dated 21-12—2020 has been fully utilized for the purpose for which it was sanctioned and in accordance with the terms and conditions laid down by the University.


Signature of the
Principal Investigator
Dr. H.C. SHRISHAIL
Assistant Professor
Dept. of Applied Botany
Jnana Sahyadri, Shankaraghatta-577451
Shimoga, Karnataka-India.


Finance Officer
Finance Officer
Kuvempu University
Shankaraghatta-577 451


Registrar
Registrar
Kuvempu University
Jnana Sahyadri
Shankaraghatta-577 451
Shimoga (Dist.)



ಕುವೆಂಪು ವಿಶ್ವವಿದ್ಯಾಲಯ

ವಿಶ್ವವಿದ್ಯಾಲಯ ಕಾರ್ಯಾಲಯ, ಜ್ಞಾನಸಹ್ಯಾದ್ರಿ, ಶಂಕರಘಟ್ಟ-577451

Accredited by NAAC with "A" Grade & Ranked 73rd by NIRF

ಸಂಖ್ಯೆ:ಕುವಿ/ಡಿವಿ-4/200/ /2020-21 -955

ದಿನಾಂಕ:22-03-2021

ಪರಿಷ್ಕೃತ ಆದೇಶ

ವಿಷಯ: ಸಂಶೋಧನಾ ಯೋಜನೆಯ ಶೀರ್ಷಿಕೆ ಬದಲಾವಣೆ ಮಾಡುವ ಕುರಿತು.

- ಉಲ್ಲೇಖ: 1. ಈ ಕಛೇರಿ ಆದೇಶ:ಕುವಿ/ಡಿ.ವಿ-4/177/2020-21/581/ದಿನಾಂಕ:21-12-2020
2. ಡಾ.ಶ್ವೇತಾ.ಎ, ಸಹಾಯಕ ಪ್ರಾಧ್ಯಾಪಕರು ಮತ್ತು ಪ್ರಧಾನ ಸಂಶೋಧಕರು- ಇವರ ಪತ್ರ ಸಂಖ್ಯೆ :ಕುವಿ /ಆ.ಪ್ರಾ/235/2020-21/ದಿನಾಂಕ:04-03-2021.
3. ಮಾನ್ಯ ಕುಲಪತಿಗಳ ಅನುಮೋದನೆ ದಿನಾಂಕ:20-03-2021.

ಉಲ್ಲೇಖ(1)ರ ಆದೇಶದಲ್ಲಿ ಡಾ.ಶ್ವೇತಾ.ಎ, ಸಹಾಯಕ ಪ್ರಾಧ್ಯಾಪಕರು ಮತ್ತು ಪ್ರಧಾನ ಸಂಶೋಧಕರು ಸ್ನಾತಕೋತ್ತರ ಅನ್ವಯಿಕ ಪ್ರಾಣಿಶಾಸ್ತ್ರ ಅಧ್ಯಯನ ವಿಭಾಗ, ಕುವೆಂಪು ವಿಶ್ವವಿದ್ಯಾಲಯ, ಶಂಕರಘಟ್ಟ-ಇವರಿಗೆ ವಿಶ್ವವಿದ್ಯಾಲಯದ ಆಯವ್ಯಯದಲ್ಲಿ Start-Up Research Grant ನಡಿಯಲ್ಲಿ "Ecological studies on Kundavada wetland, Davanagere Dist, Karnataka with special reference to Avifauna" ಎಂಬ ಶೀರ್ಷಿಕೆಗೆ ಸಂಶೋಧನಾ ಕಾರ್ಯ ನಡೆಸಲು ರೂ.2,00,000-00ಗಳಿಗೆ ಮಂಜೂರಾತಿ ಆದೇಶ ನೀಡಲಾಗಿತ್ತು.

ಉಲ್ಲೇಖ(2)ರಲ್ಲಿ ಡಾ.ಶ್ವೇತಾ.ಎ, ಸಹಾಯಕ ಪ್ರಾಧ್ಯಾಪಕರು ಮತ್ತು ಪ್ರಧಾನ ಸಂಶೋಧಕರು, ಸ್ನಾತಕೋತ್ತರ ಅನ್ವಯಿಕ ಪ್ರಾಣಿಶಾಸ್ತ್ರ ಅಧ್ಯಯನ ವಿಭಾಗ, ಕುವೆಂಪು ವಿಶ್ವವಿದ್ಯಾಲಯ, ಶಂಕರಘಟ್ಟ - ಇವರು ಉಲ್ಲೇಖ(1)ರಲ್ಲಿ ಸಂಶೋಧನಾ ಕಾರ್ಯ ನಡೆಸಲು ಉದ್ದೇಶಿಸಿದ ಸ್ಥಳದಲ್ಲಿ ಕಾಮಗಾರಿ ಮಾಡುತ್ತಿರುವ ಹಿನ್ನೆಲೆಯಲ್ಲಿ ಸಂಶೋಧನಾ ಕಾರ್ಯ ನಡೆಸಲು ಅವಕಾಶವಿರುವುದಿಲ್ಲ ಎಂದು ತಿಳಿಸಿ, ಸಂಶೋಧನಾ ಕಾರ್ಯ ನಡೆಸಲು ಬದಲಿ ಸ್ಥಳವನ್ನು ಆಯ್ಕೆ ಮಾಡಿ "Ecological studies on some water reservoirs around the Shettihalli Wildlife Sanctuary, Shivamogga Dist, Karnataka, with special reference to avifauna" ಎಂಬ ವಿಷಯ ಕುರಿತು ಶೀರ್ಷಿಕೆಯನ್ನು ಬದಲಾವಣೆ ಮಾಡಿ ಸಂಶೋಧನಾ ಕಾರ್ಯ ನಡೆಸಲು ಅನುಮತಿ ನೀಡಬೇಕೆಂದು ಕೋರಿರುವ ಹಿನ್ನೆಲೆಯಲ್ಲಿ ಉಲ್ಲೇಖ(3)ರಲ್ಲಿ ಮಾನ್ಯ ಕುಲಪತಿಗಳ ಅನುಮೋದನೆಯ ಮೇರೆಗೆ ಶೀರ್ಷಿಕೆ/ಸ್ಥಳವನ್ನು ಬದಲಾವಣೆ ಮಾಡಿ ಪರಿಷ್ಕೃತ ಆದೇಶ ಹೊರಡಿಸಲಾಗಿದೆ.

ಉಳಿದಂತೆ ಉಲ್ಲೇಖ(1)ರಲ್ಲಿ ಯಾವುದೇ ಬದಲಾವಣೆ ಇರುವುದಿಲ್ಲ.

ಮಾನ್ಯ ಕುಲಸಚಿವರಿಂದ ಕರಣು
ಆಣುಮೋದಿಸಲ್ಪಟ್ಟಿದೆ.

ಗೆ.

ಹಣಕಾಸು ಅಧಿಕಾರಿಗಳು, ಕುವೆಂಪು ವಿಶ್ವವಿದ್ಯಾಲಯ, ಜ್ಞಾನಸಹ್ಯಾದ್ರಿ, ಶಂಕರಘಟ್ಟ.

ಪ್ರತಿಗಳು:-

1. ಅಧ್ಯಕ್ಷರು, ಸ್ನಾತಕೋತ್ತರ ಅನ್ವಯಿಕ ಪ್ರಾಣಿಶಾಸ್ತ್ರ ಅಧ್ಯಯನ ವಿಭಾಗ, ಕುವೆಂಪು ವಿಶ್ವವಿದ್ಯಾಲಯ, ಶಂಕರಘಟ್ಟ
2. ಡಾ.ಶ್ವೇತಾ.ಎ, ಸಹಾಯಕ ಪ್ರಾಧ್ಯಾಪಕರು ಮತ್ತು ಪ್ರಧಾನ ಸಂಶೋಧಕರು, ಸ್ನಾತಕೋತ್ತರ ಅನ್ವಯಿಕ ಪ್ರಾಣಿಶಾಸ್ತ್ರ ಅಧ್ಯಯನ ವಿಭಾಗ, ಕುವೆಂಪು ವಿಶ್ವವಿದ್ಯಾಲಯ, ಶಂಕರಘಟ್ಟ
3. ಕಛೇರಿ ಪ್ರತಿ.

(ಡಾ.ಬಿ.ತಿಪ್ಪೇಸ್ವಾಮಿ)
ಉಪ ಕುಲಸಚಿವರು

22/3/2021



**KUVEMPU UNIVERSITY
SHANKARAGHATTA 577451**

UTILIZATION CERTIFICATE

Certified that the grant of Rs. 2,00,000 (Rupees Two lakhs only) received from the Kuvempu University under the Start up grant scheme of support for Minor Research Project entitled "*Ecological studies on some water reservoirs around the Shettihalli wildlife sanctuary, Shimoga dist, Karnataka with special reference to Avifauna*" vide Reference letter No. KU/DV-4/177/2020-21/581 dated 21-12-2020 has been fully utilized for the purpose for which it was sanctioned and in accordance with the terms and conditions laid down by the University.


Signature of The Principal Investigator 24/1/22
Dr. Shwetha.A.
Assistant Professor
Department of P.G. Studies and
Research in Zoology
Kuvempu University
Shankaraghatta-577451


Registrar
Kuvempu University
Jnana Sahyadri
Shankaraghatta-577 451
Shimoga (Dist.)


FINANCE OFFICER
Finance Officer
Kuvempu University
Shankaraghatta-577 451