



University of Science & Technology Meghalaya

Kling Road, Baridua, Ri-Bhoi, Meghalaya-793101

To,
The Registrar,
University of Science & Technology, Meghalaya
9th Mile, Ri-Bhoi, Meghalaya

Date: 20/01/2016

Sub: Submission of Proposal for Research Grant

Dear Madam,

I would like to submit a project proposal referring to the circular vide *Ref: USTM/REG/R&D/2016/1 dated: 03/01/2016* for research grant from University of Science & Technology, Meghalaya, to carry out research project titled "***Quality Assessment between the preserved and local fishes of Assam***". I request you kindly to go through the attached proposal (Format-I)

I look forward for your kind acceptance of the proposal soon.

Thanking you.

Regards,

Dr. Bulbul Acharjee
Associate Professor,
Department of Zoology,
USTM

HOD
Department of Zoology
University of Science and Technology Meghalaya



University of Science & Technology Meghalaya

Kling Road, Baridua, Ri-Bhoi, Meghalaya-793101

Research Proposal Format for Seed Grant

1. **Title of the Project :** Quality Assessment between the preserved and local fishes of Assam
2. **Name of Investigator :** Dr. Bulbul Acharjee
Associate Professor, Dept. of Zoology
3. **Aim of the Research Proposal:** Formulation of food with locally available ingredients for Quality Assessment between the preserved and local fishes of Assam in terms of transfer of low cost technology to ornamental fish breeders and entrepreneurs for a sustainable livelihood of local fishes of Assam
4. **Project Type(s):**
Basic Research
Applied Research
Others:
Applied Research
5. Brief content of the proposal:

A. Abstract :

The aim of the present study is to develop artificial breeding and rearing of *Badis species* an important indigenous fish species from Assam. To fulfill this aim the following objectives were undertaken.

- 1) Artificial breeding & rearing of candidate species to ensure mass production of stock able & marketable size of the fishes.
- 2) Effects of feeds on healthy growth of fry in aquarium.
- 3) Formulation of food with locally available ingredients for health and colour.
- 4) To develop a breeding protocol for *Badis species*.



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To,
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9th Mile, Ri-Bhoi, Meghalaya

Date: 20/01/2018

Sub: **Submission of Proposal for Research Grant**

Dear Sir,

I would like to submit a project proposal referring circular vide *Ref: USTM/REG/R&D/2018/1 dated: 03/01/2018* for research grant from University of Science & Technology, Meghalaya, to carry out research project titled "**Implementation of mid day meal scheme in the schools of Gohpur subdivision under Biswanath district, Assam**". I request you kindly to go through the attached proposal (**Format-I**)

I look forward for your kind acceptance of the proposal soon.

Thanking you.

Regards,

Dr. Jayjit Hazarika
Assistant Professor,
Department of Political Science,
USTM

Forwarded by
HOD
Department of Political Science
University of Science and Technology Meghalaya



University of Science & Technology Meghalaya

Kling Road, Baridua, Ri-Bhoi, Meghalaya-793101

Research Proposal Format for Seed Grant

1. **Title of the Project :** Implementation of mid day meal scheme in the schools of Gohpur subdivision under Biswanath district, Assam
2. **Name of Investigator :** Dr. Jayjit Hazarika
Assistat Professor, Dept. of Political Science
3. **Aim of the Research Proposal:** To study the effectiveness of the scheme by addressing the gaps, such as uplifting the nutritional value of the meals served and prospective suggestions for the development of proper implementation measures among students covered under the study area of Gohpur subdivision under Biswanath district, Assam
4. **Project Type(s):**
Basic Research
Applied Research
Others:
5. Brief content of the proposal:

A. Abstract :

Mid-Day-Meal Scheme provides school meals, which act as a strong incentive for parents to send their children to schools and help to build the nutritional foundation that is essential for a child's future intellectual development and physical well being.

Mid-Day-Meal Programme has been started in the State of Assam with effect from January, 2005. The Programme is expected to boost and sustain the pace of achieving the objectives like universal enrolment, universal retention and quality improvement.

The State Government has transferred the implementation of Mid-Day Meal Scheme from Director, Elementary Education, Assam to SSA, Assam w.e.f. 01-01-2014. The scheme of Mid-Day Meal has now been running under the direct supervision of SSA, Assam w.e.f. 01-



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Kling Road, Baridua, Ri-Bhoi, Meghalaya-793101

To,
The Registrar,
University of Science & Technology, Meghalaya
9th Mile, Ri-Bhoi, Meghalaya

Date: 23/01/2018

Sub: **Submission of Proposal for Research Grant**

Dear Madam,

I am here by submitting my proposal for research grant (Ref: **USTM/REG/R&D/2018/1 dated: 03/01/2018**) from University of Science & Technology, Meghalaya, to carry out minor research project titled "**Impact of teacher training on teaching efficiency of secondary school science teacher in Assam**" I request you kindly to go through the attached proposal (**Format-I**) I look forward for your kind acceptance of the proposal soon.

Thanking you.

Regards,

Dr. Jonali Chetia
Professor,
Department of Education,
USTM

Forwarded by
HOD
Department of Goumri Hoque School of Education
University of Science and Technology Meghalaya



University of Science & Technology Meghalaya

Kling Road, Baridua, Ri-Bhoi, Meghalaya-793101

Research Proposal Format for Seed Grant

1. **Title of the Project :** Impact of teacher training on teaching efficiency of secondary school science teacher in Assam
2. **Name of Investigator : Dr. Jonali Chetia**
Assistant Professor, Dept. of Education
3. **Aim of the Research Proposal:** Sample survey and analysis on teaching learning process of secondary school science teacher in Assam and the impact of teacher training on it is purpose of the study
4. **Project Type(s):** *Basic Research*
Basic Research
Applied Research
Others:
5. Brief content of the proposal:

A. Abstract :

The present study is intended to survey on teacher training on teaching efficiency of secondary school science teacher in Assam. The methodology of current teaching and impact of practical transfer of knowledge by teacher training process imparted on secondary science teacher will be highlighted in the study. Measure of effectiveness of the process and efficiency of teachers in transferring knowledge with intervention of students in selected schools of secondary science school under study will be carried out. By designing standard questionnaire based on pilot survey for the responder (students) will be distributed and collected for analysis of data. Statistical tool like SPSS will be used to validate hypothesis of the study. Prime objective of the study will focus on the impact that the teacher's carryover in transferring the outcome base knowledge in teaching learning process. Population of sample will be selected by adopting "Simple Random Sampling" technique. Prime objective of study will highlight:

1. To identify causes favorable for high teacher effectiveness and causes responsible for low teacher effectiveness as perceived by students and teachers.

2. To study the interactive results of Teacher Effectiveness and Organizational Climate on Students' Academic Achievement.



University of Science & Technology Meghalaya

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To,
The Registrar,
University of Science & Technology, Meghalaya
9th Mile, Ri-Bhoi, Meghalaya

Date: 22/01/2018

Sub: Submission of Proposal for Research Grant

Ref: USTM/REG/R&D/2018/1 dated: 03/01/2018

Dear Madam,

Citing the reference (above), I am here by submitting my proposal for research grant from University of Science & Technology, Meghalaya, to carry out minor research project titled "*Development of radio telescope for observation of celestial objects*" I request you kindly to go through the attached proposal (Format-I)

I look forward for your kind acceptance of the proposal soon.

Thanking you.

Regards,

Dr. Nitu Borgohain
Assistant Professor,
Department of Physics,
USTM

Forwarded by
HOD
Department of Physics
University of Science and Technology Meghalaya



University of Science & Technology Meghalaya

Kling Road, Baridua, Ri-Bhoi, Meghalaya-793101

Research Proposal Format for Seed Grant

1. **Title of the Project :** Development of radiotelescope for observation of celestial Objects
2. **Name of Investigator :** **Dr. Nitu Borgohain**
Assistant Professor, Dept. of Physics
3. **Aim of the Research Proposal:** The primary objective of the project proposed is to develop a Newtonian type Optical Telescope and a Radio telescope for both optical as well as radio data acquisition of celestial objects and analysis of the same
4. **Project Type(s):**
Basic Research
Applied Research
Others:
Applied Research
5. Brief content of the proposal (to be attached in separate sheet) :

A. Abstract :

The adorable beauty of the night sky fascinates people of all stages. It not only creates imaginative stories or intricate mythologies, but also turned thoughts into religion and science. After the advent of primary telescopes in the 16th and 17th centuries, the science related to the sky rapidly changed and resulted the branches of Astronomy and Astrophysics.

There are basically two categories of Telescopes, Optical- and Radio-. The optical telescope limits us to see the sky in visible range, however, radio telescopes capture wavelengths longer than visible range. Since radio-waves from distance and deep sky are coming to Earth continuously, so, we can have more information about the universe through Radio-Telescopes.

The universe is expanding and all the celestial entities (including stars) are going away from each other. A departing star emits electromagnetic signals of longer wavelengths (in the range of radio-waves). The Radio Telescopes can arrest those radio-signals of particular bands, whose analysis can unfold the unknown mysteries of the universe. Recently, a group of Indian astronomers



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To,
The Registrar,
University of Science & Technology, Meghalaya
9th Mile, Ri-Bhoi, Meghalaya

Date: 22/01/2015

Sub: **Submission of Proposal for Research Grant**

Dear Sir,

I would like to submit a project proposal referring circular vide Ref: **USTM/REG/R&D/2015/1** dated: 03/01/2015 for research grant from University of Science & Technology, Meghalaya, to carry out research project titled "**Survey on street vendors in Guwahati city**". I request you kindly to go through the attached proposal (**Format-I**)

I look forward for your kind acceptance of the proposal soon.

Thanking you.

Regards,

Girimallika Sarma

Ms. Girimallika Sarma
Assistant Professor, Department of Social Work,
USTM

Forwarded by
HOD
Department of Social Work
University of Science and Technology Meghalaya



University of Science & Technology Meghalaya

Kling Road, Baridua, Ri-Bhoi, Meghalaya-793101

Research Proposal Format for Seed Grant

1. **Title of the Project :** *Survey on street vendors in Guwahati city*
2. **Name of Investigator :** Ms. Girimallika Sarma , Department of Social Work
3. **Aim of the Research Proposal:** The broad aim of the proposed project is to know the condition of the street vendors of Guwahati city and to recommend measures for improvement. The specific objectives are:
 1. To know the socio-economic status of street vendors of Guwahati city.
 2. To study the problems and challenges faced by street vendors
4. **Project Type(s):**
Basic Research
Basic Research
Applied Research
Others:
5. **Brief content of the proposal (to be attached in separate sheet) :**

A. Abstract :

The present study will give us a comprehensive knowledge about the condition of the street vendors of the Guwahati city .The findings of the study will be helpful for the state govt. and Guwahati Municipal Corporation from framing more effective policies and programmes for street vendors in their work. Since this study will also examine the socio economic status of the street vendors, competent authority will also able to use the data for framing programmes for providing a good life to them.



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University of Science & Technology, Meghalaya
9th Mile, Ri-Bhoi, Meghalaya

Date: 23/01/2018

Sub: Submission of Proposal for Research Grant

Dear Madam,

I am here by submitting my proposal for research grant (Ref: **USTM/REG/R&D/2018/1** dated: 03/01/2018) from University of Science & Technology, Meghalaya, to carry out minor research project titled "Study of simple waves in Plasma" I request you kindly to go through the attached proposal (Format-I)

I look forward for your kind acceptance of the proposal soon.

Thanking you.

Regards,

Ridip Sarma

Mr. Ridip Sarma
Assistant Professor,
Department of Mathematics,
USTM

Forwarded by
HOD
Department of Mathematics
University of Science and Technology Meghalaya



University of Science & Technology Meghalaya

Kling Road, Baridua, Ri-Bhoi, Meghalaya-793101

Research Proposal Format for Seed Grant

1. **Title of the Project:** Study of simple waves in Plasma
2. **Name of Investigator:** Mr. RidipSarma
AssistantProfessor, Dept. of Mathematics
3. **Aim of the Research Proposal:**The aim of the proposal are as follows
 - (i) To study the existences and propagation of the nonlinear evolutionary waves in a Maxwellian multicomponent plasma contaminated by the fluctuations of dust charge in astrophysical environment.
 - (ii) To derive a new mathematical formalism for studying all types of higher order nonlinear evolutionary coherent structures in complex environment.
 - (iii) The study could explain the phenomena of solar radio bursts and nebulons, a mixture of dust chunk atmosphere in plasma environments, with the evolution of high energy explosion making a base in forming stars, planets etc.
4. **Project Type(s):** Applied Research
Basic Research
AppliedResearch
Others:
5. **Brief content of the proposal (to be attached in separate sheet) :**

A. Abstract :

Our interest is to study the nonlinear wave phenomena in a complex plasma constituents with Maxwellian species. The main reason of this consideration is to exhibit the effects of dust charge fluctuations in plasma acoustic modes that too by the use of a new method which is developed originally, and which predicts successfully the different nature of solitons