

Regional Innovation Science Hub for Innovators (RISHI)

Tezpur University, Tezpur, 784028, Assam, India



OPPORTUNITY TO YOUNG STUDENT INNOVATORS

(Pursue Your Innovative Idea under Expert Mentorship)

Regional Innovation Science Hub for Innovators (RISHI) supported by Department of Science & Technology, New Delhi, at Tezpur University is meant to foster the culture of innovation and creativity among the school students. The project will, therefore, provide a platform to pursue promising innovative ideas at Tezpur University.

RISHI - Tezpur University invites proposals from young high /secondary school students (9 to 11th standard) from the state of Assam under this programme. Potential innovators are encouraged to submit ideas/short proposals (2 pages max; English or Assamese). A panel of experts will review the proposals and 25 innovators will be selected for first phase (2 week duration). Innovators will carry out their proposal in the laboratories / workshop of the University under an expert mentor. Based on the performance of these innovators, proposals will be short listed. These short listed innovators will spend another 2 weeks at the University for further development on the project.

The ideas/proposals, neatly written/typed under following heads – (i) Title/Idea for innovation; (ii) Description of innovation; (iii) Novelty aspects; (iv) Envisaged benefits or outcomes, must reach the Nodal Officer, RISHI-Tezpur University by or before **31st of January, 2017** (by post or email to kiba@tezu.ernet.in). All expenses for the proposed work of the innovators, stipend to each innovators and travel cost from the respective School of the innovators to the Tezpur University (Bus/Train) will be met by RISHI-Tezpur University. Food and lodging at the University hostel for all the innovators will be met by RISHI-Tezpur University.

Steps for Organizing the Programme

- A. Calls for ideas/proposals** (Advertisement of the opportunity in news papers and University website). All potential innovators/students of 9 to 11 standard in Assam are eligible for submission of the proposal.
- B. Idea/Proposal submission** - 2 pages short proposal written/typed in Assamese or English under following sub heads: (i) Title/Idea for innovation; (ii) Short description of innovation; (iii) Novelty aspects; (iv) Envisaged benefits. The proposal needs to be submitted to: Nodal Officer, RISHI-Tezpur University. The idea of the innovator should be original; it should not be copied from the internet or any other source. Proposal may be sent through post or email to kiba@tezu.ernet.in. Last date for submission of proposal: **January 31, 2017**.
- C. Review of proposals and short listing:** A panel of experts, identified by the University, will review and short listed 25 numbers of proposals. The innovators of successful proposals will be invited for 2 week duration session at Tezpur University.

- D. Mentorship:** Each innovator will be under the supervision of an expert mentor identified by the University. Scientific as well as technical support under the guidance of a mentor (experienced teacher/technical staff) will be provided to the participants to pursue their potential ideas.
- E. Session for Innovators:** The short listed 25 numbers of innovators will spend two week duration in the laboratories or workshop of the University to pursue their idea for formulation of viable project under an expert mentor. In the second phase, based on the performance of these innovators, 15 will be short listed for further 2 week stay at the University for further development on the proposal. The proposed duration of the first phase is February- March, 2017. The participants will be provided library and Internet facilities during their stay at the University. Merit certificate will be given to the participants on the successful completion of their project work.
- F. Stipend and other cost:** Each selected participants will be given stipend of Rs 1500/-in cash and will also be provided free boarding & lodging facility during the their stay at University. The participants will be reimbursed to and fro 2nd class Rail/Bus fare on the successful completion of their stay. The onward journey travel ticket must be submitted for claiming the travel expenses.
- G. IPR:** Tezpur University and innovators will have joint rights on copyrights, patents, discovery etc. if any, arising out of the work carried out under this programme.

Further Details on RISHI

Objectives

- To identify and promote young student inventors, and facilitate developing a strong network of such inventors for pursuing their innovative ideas through expert guidance and support.
- To create opportunities for hands-on experiences in the field and laboratory by way of establishing a strong inventor-expert linkage so as to inculcate excitement amongst them to further pursue the potential idea for advance research.
- To create an ‘innovative idea bank’ and promote creative learning for nurturing young talent to optimize benefits of potential ideas in respective fields.
- To provide exposure on front running societal problems in the region and encourage young inventors to take-up such issues for providing suitable solutions.

Project background

- Responding to the need of making science education interesting and useful, and with a growing realization that the interest of students in science subjects is declining rapidly, various efforts are being made across the country to inculcate excitements among school children towards: (i) understanding complexities of nature and its components, and (ii) finding out innovative solutions for front running societal and environmental problems. Among others, this calls for an aggressive follow-up to produce and promote a new generation of students who are willing to take-up such issues by way of following their

- innovative ideas. This is possible only if they are given extensive exposure and provided with adequate facilities and guidance to follow the potential idea.
- With this realization, and considering that young and vibrant innovators can contribute significantly to advance various fields of Science & Technology, it becomes important to identify and nurture such talent and inculcate excitement to pursue innovative ideas with the help of established scientific institutions/Universities under guidance and support of experts of respective fields.
 - This understanding enabled us to conceptualize the proposal of establishing a Regional Incubation Science hub for Inventors (RISHI) at Tezpur University. This will be an effort to identify young inventors from schools of Assam and encourage them to pursue innovative ideas. In spite of its open accessibility to all students, the proposed hub will particularly attempt to provide an accessible facility to those who belong to remote rural schools and do not get enough exposure and opportunity to express and follow their innovative ideas.

Further contact :

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APPLICATION PROFORMA

1 Name of the student : _____

2 Date of birth : _____

3 Gender : Male/Female

4 Class : _____

5 School name : _____

6 School address : _____

7 Applicants address : _____

8 Contact no: Mobile No. _____ Landline no. _____

9 E-mail: _____

10 Project title:

Project category: tick the suitable category

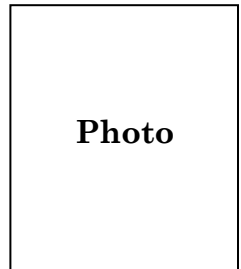
Physics

Mathematics

Chemistry

Biology

Others



11. Project Proposal (maximum 2 pages, written/typed in Assamese or English in separate sheet)
- A. Title of the Idea/Proposal for innovation
 - B. Project Concept / Idea description (200 words maximum)
 - C. Novelty aspects of the innovation (100 words)
 - D. Envisaged benefits / applications of the project (100 words)
 - E. Any other:

Signature of the Applicant

CERTIFICATE

It is certified that Mr. / Ms. -----
son/daughter of -----, Class ----- who is
applicant for participation in the project RISHI at Tezpur University is a bonafide student
of ----- school, District-----,
State -----.

Date:

Signature of Headmaster/Principal

(Seal)