

**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, Government of India, New Delhi, at Tezpur University is meant to foster the culture of innovation and creativity among the school students. The project will provide a platform to pursue promising innovative ideas of young student innovators at Tezpur University.

RISHI - Tezpur University invites proposals from young high /secondary school/college students (9 to 11th standard) from the state of Assam under this programme. Potential innovators are encouraged to submit ideas/short proposals (2 pages maximum; 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, maximum 15 numbers of proposals will be short list in the second phase. 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 Coordinator, RISHI, Department of Physics, Tezpur University, Tezpur 784028, Assam by **18 January 2016** (by post or email to kiba@tezu.ernet.in). All expenses for the proposed work of the innovators, stipend to each innovator and travel cost from the respective School of the innovator to Tezpur University (Bus/Train), food and lodging will be met by RISHI-Tezpur University.

Steps for Organizing the Programme

- A. Calls for ideas/proposals:** Advertisement of the opportunity in newspapers and University website. All potential innovators/students of 9 to 11 standard in the state of 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

application form along with the proposal needs to be submitted to: Coordinator, RISHI, Department of Physics, Tezpur University, Tezpur 784028, Assam. The idea of the innovator should be new and original; must 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 18, 2016**.

- C. Review of proposals and short listing:** A panel of experts, identified by the University, will review and short list 25 numbers of proposals. The innovators of the 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 carry out their idea for formulation of viable project under an expert mentor. Based on the performance of these innovators, maximum 15 numbers of proposals will be short list in the second phase. These short listed innovators will stay for another 2 weeks at the University for further improvement on the project. The participants will be provided library and Internet facilities during their stay at the University. A certificate will be given to the participants on the successful completion of their project work.
- F. Stipend and other cost:** Each selected participant will be given stipend of Rs 1500/-in cash and will also be provided free boarding and lodging facility during their stay at University. The participants will be reimbursed to and fro Bus/ 2nd class Rail fare on the successful completion of their work. The onward journey travel ticket need to 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.

Details on RISHI

Objectives

- To identify and promote young student innovators, and facilitate developing a strong network of such innovators 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 innovators-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 talents to optimize benefits of potential ideas in respective fields.
- To provide exposure on front-running societal problems in the region and encourage young innovators 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 innovators from schools of Assam and encourage them to pursue innovative ideas. The 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.

Details contact

Dr Biren Das

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Tezpur University
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APPLICATION PROFORMA

1 Name of the student/innovator: _____

2 Date of birth : _____

3 Gender : Male/Female

4 Class : _____

Passport
size Photo

5 Name of the School : _____

6 School address : _____

7 Address for communication: _____

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

9 E-mail (if any): _____

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 is to be attached in the following format)

- (a) Title of the Idea/Proposal for innovation
- (b) Project Concept / Idea description (200 words maximum)
- (c) Novelty aspects of the innovation (100 words maximum)
- (d) Envisaged benefits / applications of the project (100 words maximum)
- (e) Any other

Signature of the Applicant

CERTIFICATE

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

Date:

Signature of Headmaster/Principal
Seal