



# ANVESHAN 2023

## STUDENT RESEARCH CONVENTION

### (EAST ZONE)

#### **Important Dates:**

Student Registration Deadline: 15 November 2023

NEHU (University Level) Project Submission: 30 November 2023

East Zone (Zone Level) Competition: 22-23 February 2024

Registration Link: <https://projectset.com/anveshan>



ASSOCIATION OF INDIAN UNIVERSITIES  
NEW DELHI

&

NORTH-EASTERN HILL UNIVERSITY  
SHILLONG

# Anveshan: Student Research Convention

Spirit of inquiry, creativity and innovativeness are some of the natural endowments bestowed upon human beings, which are the keys to transformation of life. These factors, when manifested in the form of research, open new frontiers of knowledge, which is instrumental for all forms of development. Perhaps, this is the reason for which research is recognized as one of the core functions of the universities/institutions of higher learning and the universities have been rendering this responsibility with utmost diligence. India's noteworthy progress in the field of Information Technology, Energy and Space, etc., are the outcome of consistent endeavour of our intellectual resources. India, currently producing a solid core of knowledge workers in tertiary and scientific and technical education and its economy and industrial sector set for an unparalleled growth is poised to become the future global knowledge hub. However, the onus lies largely on our Higher Education System and particularly on our universities. But, of late, research has become a subservient component in the university functioning. Resource constraints, lack of commitment, proper incentive, etc., are the impediments that are affecting the quality of research in our institutions of higher education. Other important factors for the deterioration of the quality of research are the absence of adequate training and other capacity building endeavours in our system, which have restricted student's creativity only to rote memory. On the contrary, their potential should be nurtured and harnessed for the benefit of the society. The current boom in Indian economy signaling an era of transformation should provide ample opportunity for success to innovative young brains to become trend setters and role models of a vibrant India.

With a view to inculcating research culture in our higher education institutions, the Research Division of Association of Indian Universities has taken a pioneering initiative to organize Student Research Conventions for the aspiring researchers throughout the country. These Conventions aim at identifying the young and rising talents who would be promoted through proper encouragement and incentives. Also, an attempt shall be made to commercialize their research projects with industrial collaboration. The endeavour may accelerate scientific research and innovation and their application towards community development percolating to the grass root level. Anveshan: The Student Research Convention was applauded across the country for providing an innovative platform for students and generating a great zeal of enthusiasm among the young and emerging breed of researchers in the country. Nevertheless, the initiative is an attempt to inculcate and strengthen a culture of research in the universities and other institutions of Higher Learning.

## Objectives:

- To identify young talents with research aptitude and interest to take up research as career option.
- To promote the talent in research throughout the country.
- To nurture the talent through specialized training and education in some of the nationally and internationally reputed premier institutions of higher learning in the country.
- To augment financial and physical resources through collaboration with different sponsors for supporting education and training of the young researchers.

- To provide proper incentives to enhance the skill of potential students.
- To inculcate an intensive and rigorous research culture in a selected group of institutions.
- To promote collaboration & Networking at National & International level.
- To promote interdisciplinary and multi-disciplinary research.

## Eligibility:

The participants should be from a member University of AIU. Entries of the research projects will be purely INSTITUTIONAL and only BONAFIDE full-time undergraduate, postgraduate and research scholars are eligible to take part in the convention. Those who are below 30 years of age are only eligible to take part in the Convention.

## Areas/Categories:

The areas/fields/ categories in which Projects are invited:

1. Agriculture
2. Basic Sciences
3. Engineering & Technology
4. Health Sciences and Allied Subjects, Pharmacy, Nutrition, etc.
5. Social Sciences, Humanities, Commerce and Law
6. Interdisciplinary Research Projects

## Types of Projects:

Projects in the above mentioned areas must be original and must show its feasibility and impact.

Both individual and collaborative projects can be submitted.

In case of a collaborative project, a maximum of four members [one lead presenter and up to three major contributors] are allowed to participate in the zonal / International convention.

For collaboration, following three types of teams shall be allowed:

- Teams of students from Indian and foreign universities
- Teams of Indian and foreign students studying in India
- Teams of Indian students (within the zone)

For the Zonal Anveshan competition, the students have to apply online on the portal either individually or as a team for collaborative projects.

The students need to register directly in the portal, but the project will be accepted for zonal competition, only if it is endorsed on the portal by the Anveshan 2023 Coordinator/Co-coordinator of NEHU.

## Procedure:

The convention will be held in three phases.

1. First Phase: NEHU will organize a competition of research projects at the University level in which students from Affiliated/Constituent Colleges, and NEHU Departments will be invited to participate. The projects will be scrutinized by a team of experts nominated by NEHU in the respective areas. One best Project in each area/field (total Six) to be selected and sent by NEHU to the Zonal Level Convention.
2. Second Phase: The competition will be held at Zonal level. The Zonal Level Convention starts with a Poster presentation followed by podium presentation of the projects. The Research projects will be assessed by a panel of three experts in each area/field. From each zone best 18 projects (1st, 2nd and 3rd in each of the 06 categories) will be selected and be given entry to compete at the International level. The duration of the east zonal convention will be Two days (22-23 February 2024).
3. Third Phase: The competition will be held at International level. The Association of Indian Universities will call for the successful projects, selected through the zonal competition, for International level competition. A total of 90 selected projects will be displayed for assessment at the International Level. The International Students who could not participate at the Zonal Level will be given Wild Card Entry to directly participate at International Level. Three projects (1st, 2nd, and 3rd in each category) will be finally selected for Award/ Incentive.

The Best Project across all six categories (one from each category) adjudged by the experts (in all areas/fields) in consensus shall be awarded Prof S K Mukherjee Gold Medal.

## Number of Projects from NEHU:

NEHU is allowed to send a maximum number of Six projects for the zonal level Student Research Convention, preferably one each from each category. For avoidance of any confusion, any cross-university team (i.e. a project team comprising students from more than one University in a zone) will need to nominate a "Lead University" and will be included in the list of teams from the nominated Lead University.

In case, any universities/institute do not offer courses/programmes in all Six categories/area/fields mentioned they can send total six projects from whichever category/area/field they have amongst the above specified areas/fields. For example: Agricultural University may send Five projects under different sub-fields of Agriculture category.

The selected projects duly approved by the respective NEHU Anveshan 2023 Coordinator/Co-coordinator must be registered online at <https://projectset.com/anveshan> on or before November 15, 2023. The project submission deadline is 30 November 2023.

The projects will be assessed by a panel of experts drawn from various disciplines on the basis of laid down criteria for assessment. The students whose projects will be selected in the final stage at International Convention will be promoted through proper incentives for career development in research.



## Evaluation/Assessment Criteria:

The convention will be held in three phases.

All the projects will be assessed based on the following criteria. Each criterion is assigned some weightage. The final selection of projects will be based on the cumulative weightage given on all criteria.

- Scientific Thoughts and Principles 20
- Creativity/Novelty 20
- Practical Feasibility 20
- Relevance 20
- Teamwork/ Collaboration 10

Apart from the above criteria, Scope of Commercialization of the projects will be considered as an additional merit. However, there will be no weightage point for this criterion. In the case of the projects having scored equal cumulative weightage point, this criterion will be considered for making the final decision.

## Registration Fees:

For NEHU Level competition there is no fees.

For East zone Level competition a registration fees of Rs. 500/- (Five hundred only) is required to be paid online to NEHU for conducting the Zonal competition. At East zone level, NEHU will make the arrangement for Accommodation, Breakfast, Lunch and Dinner and Session Tea for the participants and one escort without any charge during the two days of the event.

Account Name	NEHU NEW REVENUE 2021
Account Number	40445232563
IFSC Code	SBIN0004295
Bank and Branch	SBI, NEHU Branch, Shillong

For International Level competition there is no fees.

## Awards:

Winners of the International Student Research Convention will receive cash prizes, certificates, and mementos.

First Prize	Second Prize	Third Prize
75,000	50,000	25,000

Additionally, the Best Project across all six categories, as determined by a consensus among experts from various fields, will be honored with the prestigious Prof S K Mukherjee Gold Medal.

# Guidelines for Participants:

- Projects should be original and based on new/innovative ideas and must have undergone some exploration and ground- work to prove its feasibility and show impact.
- The Projects are invited in six Categories/areas – i) Agriculture, ii) Basic Sciences, iii) Engineering & Technology, iv) Health Sciences and Allied Subjects, Pharmacy, Nutrition, etc. v) Social Sciences, Humanities, Commerce and Law, v) Interdisciplinary Research.
- In the case of a Group project, only four members (the principal investigator and three major contributors) are allowed to participate in the zonal/ International convention. But only one member will be allowed for presentation. The Group is to inform in advance about the Lead Presenter.
- Entries of the research projects will be purely INSTITUTIONAL and only BONAFIDE fulltime Students/Research Scholars from Undergraduate to Doctoral Degree level are eligible to take part in the convention.
- Entry Fee- Rs. 500/- (per student). Students of the six selected projects (one from each category), duly approved by the NEHU Anveshan 2023 Coordinator/Co-coordinator have to pay an entry fee for zonal level competition online through IMPS/NEFT/UPI to NEHU. There is no registration fee for University level and International level convention.
- Registration is compulsory for all participants. The entries for projects in the convention will be accepted only if approved by the NEHU Anveshan 2023 Coordinator/Co-coordinator.
- NEHU is allowed to send a maximum number of six projects for the Zonal level Student Research Convention.
- The projects will be presented in two rounds. In the first round the participants will display their projects in poster presentations before a panel of judges. If selected in the first round, the project will be allowed for podium and oral presentation before the panel of Judges in the second round. The Specifications of Poster presentation are as follows:
  - ✦ The Length and Width of the Poster should be 1 m X 1 m.
  - ✦ The Poster shall NOT have any identification mark and logo such as name of the student/ presenter, affiliating institutions, names of supervisor/mentors, etc.
  - ✦ The Poster shall be clear mention of the problem statement, objective (s), methodology employed, a brief summary of major findings.
- The total time allowed for oral/podium presentation is 10 minutes. Seven Minutes for presentation and Three Minutes for question-answer.
- Certification of Participation and mementos with endorsement of both AIU and NEHU will be issued to all the participants.
- Unless extraordinary circumstance so warrants the results of the competitions will be declared on the last day of the Convention preferably in the valediction.
- Winning Projects will be invited for International Student Research Conventions as per the schedule decided by Association of Indian Universities.
- Winners in the International Student Research Convention will be awarded Cash Prizes along with Certificates and Mementos. One best project will be selected across all the Six categories which will be awarded a Gold Medal along with the cash Prize and certificate.

- All these rules shall be strictly adhered by the students failing which the participant shall be disqualified and debar from participation in the Convention.
- The decision of judges will be final and binding on all participants. In case of any dispute relating to selection and assessment of Projects the appellate authority is the Secretary General, AIU.

## About AIU:

The Association of Indian Universities (AIU) is a prestigious and influential organization that serves as the apex body for higher education in India. Established in 1925, AIU has played a pivotal role in shaping and promoting higher education, research, and collaboration across the Indian higher education landscape. Here is an overview of AIU's mission, history, and contributions:

**Mission and Objectives:** The primary mission of AIU is to promote and advance the cause of higher education in India. AIU serves as a common platform for universities and institutions across the country to collaborate, share best practices, and address common concerns. Its key objectives include:

**Advocacy:** AIU represents the interests and concerns of Indian universities at national and international forums. It plays a vital role in advocating for policies and reforms that enhance the quality and accessibility of higher education in India.

**Information Exchange:** AIU acts as a clearinghouse for information related to higher education in India. It disseminates valuable data, research, and information to member universities and other stakeholders.

**Promotion of Research and Innovation:** AIU encourages research and innovation in higher education by organizing conferences, seminars, and workshops, and by facilitating collaboration among institutions.

**Recognition and Equivalence:** AIU evaluates and provides equivalence to degrees awarded by foreign universities, ensuring that Indian students and professionals receive due recognition for their academic achievements abroad.

**International Engagement:** AIU fosters international cooperation by facilitating partnerships between Indian universities and institutions worldwide. It plays a crucial role in enhancing the global visibility of Indian higher education.

**Services and Activities:** AIU undertakes a wide range of activities and services, which includes:

**Coordination:** Coordinating efforts among universities and institutions to address common issues such as accreditation, faculty development, and curriculum reform.

**Information Dissemination:** Providing information on academic programs, scholarships, and research opportunities.

**Quality Assurance:** Assisting in the development of quality assurance mechanisms and accreditation processes for Indian higher education institutions.

**Capacity Building:** Offering training programs and workshops for university administrators and faculty members.

**Student and Faculty Exchange:** Facilitating student and faculty exchange programs to promote cultural diversity and academic enrichment.

## About NEHU:

The North-Eastern Hill University Act (24 of 1973) received the President of India's assent on May 26, 1973, after being passed by both Houses of Parliament. It was subsequently published in the Gazette of India (Extraordinary), along with the First Schedule of the Act, incorporating the University's Statutes. The Act outlines the University's objectives, emphasizing its role in disseminating and advancing knowledge by providing instructional and research facilities in various fields of learning. Special attention is directed toward improving the social and economic conditions and welfare of the people residing in the hill areas of the Northeastern region. This includes a focus on intellectual, academic, and cultural advancement.

Originally, the University's jurisdiction covered the states of Meghalaya and Nagaland, as well as the Union Territories of Arunachal Pradesh and Mizoram. However, with the establishment of Nagaland University in 1994 and Mizoram University in 2001, NEHU's jurisdiction over Nagaland and Mizoram ceased. Arunachal Pradesh also established its own university. Initially, the University's academic departments and administration operated from rented buildings. However, NEHU soon acquired two prominent properties in Shillong, which facilitated the relocation of academic departments. Simultaneously, the Government of Meghalaya allocated a substantial plot of land (around 1225 acres) in Umshing, for the establishment of the University's permanent campus. This picturesque and densely wooded land, an ideal location for a university, was a generous gift from the Meghalaya government. By 1991, significant progress had been made in constructing residential quarters, hostels, a workshop, a Guest House-cum-Seminar Complex, and facilities for science departments. The campus began to take shape as an attractive university. In 2005, as departments moved to the Permanent Campus in Umshing, the Mayurbhanj Complex at Nongthymmai was handed over to the Government of Meghalaya. Presently, most of the University's departments are situated on the permanent campus, and they are connected through Internet connectivity via a VSAT system. The University has also set up a fully automated telephone exchange, the first of its kind in the region. Much of the recent campus development has been made possible through grants from the Government of India's "non-lapsable pool." The University has also permitted the Department of Tourism, Indira Gandhi National University, the Indian Council of Social Science Research, and the Sports Authority of India to set up their centers on its land. This will transform the campus into a diverse but coherent University Township, known for its scenic beauty.

Despite communication challenges and a lack of infrastructure in the region, NEHU has established itself as a high-quality institution for higher learning and research. The University attracts academically excellent individuals from across the country to its faculty and students from the North-East and other parts of India. Many departments receive grants from various agencies, and individual faculty members are awarded research projects. NEHU is also the recipient of numerous endowments and donations. At present, NEHU has 53 undergraduate colleges affiliated with it, including eight professional colleges. The University Central Library boasts an extensive collection of books, periodicals, and journals.

NEHU graduates have excelled in various fields, with many joining Central Civil Services, Banking Services, and the University System. A significant number have received scholarships and fellowships from national and foreign organizations. The University has a high success rate in national tests like NET and GATE. The student body includes approximately 1,700 research students, while affiliated undergraduate colleges enroll around 18,000 students. NEHU has a faculty of over 300 members.

In a span of about 50 years, NEHU has developed into an institution with a strong academic, social, and cultural agenda and a clear vision for its future growth.



## Advisory Committee:

Prof. P. S. Shukla	Patron
All Deans of Schools	Member
Director, Tura Campus	Member
Principal, DDUCC	Member

## Organising Committee:

Prof. S. R. Joshi	Coordinator
Prof. Timir Tripathi	Co-Coordinator
Dr. Sudipta Ghosh	Member
Dr. Dinesh Bhatia	Member
Dr. Hiranjit Choudhury	Member
Dr. Samrat Paul	Member
Dr. S. Khatua	Member
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