



SHARDA
UNIVERSITY
Beyond Boundaries



ANVESHAN 2023-24

North Zonal Student Research Convention

ASSOCIATION OF INDIAN UNIVERSITIES
&
Sharda University, Greater Noida

19th - 20th January, 2024



ANVESHAN: Student Research Convention

Preamble

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 endeavour in our system, which have restricted students' 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. In toto, the initiative is an attempt to inculcate and strengthen the 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 research skill of potential students.
- To initiate an intensive research culture in the universities and institutions.

Categories/Areas/Fields

The areas/fields in which Projects (Individual and Group Projects) are invited:



Agriculture



Basic Sciences



Engineering & Technology



Health Sciences



Interdisciplinary



Social Sciences

Nature of the Project

Projects on the above mentioned areas must be original and must have undergone some exploration/ground work in order to show its feasibility and impact.

Programme Structure

The Conventions are held in three phases.

- I. In the First Phase, all universities in the country are requested to organize an exhibition of research projects at University Level in which students from Affiliated/Constituent Colleges, Research Institutions and University Teaching Departments are invited to participate and contest. The exhibited projects are scrutinized by a team of experts of their respective areas and the best six projects are selected for participation in the second phase.
 - II. In the Second Phase, the Convention is held at Zonal Levels in five Zones viz. East, West, North, South and Central where the winners of first phase participate. The zonal distribution of universities is displayed on AIU Website – www.aiuweb.org. In each Zone, one university is identified on the basis of certain criteria and the responsibility to conduct the Convention is assigned to it. From each zone, 15 best projects, three in each category are scrutinized on the basis of laid down assessment criteria for giving entry to compete at the National Level.
 - III. In the Third Phase, the Convention is held at National Level. The Association of Indian Universities will invite the successful projects, selected through the zonal competition, for the national level competition.
- The duration of the Convention is two days at Zonal Level.

Method of Assessment

The Projects can be presented in the form of live demonstrations/models/posters/podium (oral) presentation in any aforementioned categories/areas/fields.

Assessment of projects is done in two rounds each at Zonal Level. In the first round, the contestants have to display their projects in poster presentations (Size of Posters - 1m X 1m) before a panel of judges. If selected in the first round, the projects will be allowed for the second round where the contestants have to make a podium (oral) presentation before the panel of Judges.

Total time allowed for podium(oral) presentation and question-answers is 10 Minutes; Seven Minutes for presentation and Three Minutes for question-answers.

Criteria for Assessment of Projects

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

Criteria and Weightage

Scientific Thoughts and Principles

20

Creativity

20

Thoroughness

10

Skill

10

Relevance

20

Cost Effectiveness

10

Teamwork

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 case of the projects having scored equal cumulative weightage point, this criterion will be considered for making the final decision.

Eligibility for Participation

Entries of the Research Projects are purely Institutional and only Bonafide Fulltime Students from Undergraduate to Doctoral Degree level, who are below 30 years of age, are eligible to take part in the Convention.

Procedure to Apply

The dates for conduct of the Convention are intimated to the universities and are displayed on AIU Website: www.aiuweb.org every year, as and when scheduled.

Interested students need to apply for the first phase i.e University Level competition to their respective universities. Those students who are short-listed in the first phase are eligible to apply for the Zonal Level Convention.

Entry/Registration Fee

Entry fee is ₹ 500/- (Per Contestant) for Zonal Level Convention.

Guidelines for the 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/Fields –
 - i) Agriculture
 - ii) Basic Sciences
 - iii) Engineering & Technology
 - iv) Health Sciences
 - v) Interdisciplinary
 - vi) Social Sciences
- 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.
- In the case of a Group project, only four members (the principal investigator and three major contributors) are allowed to participate in the zonal convention. But only one member will be allowed for presentation
- Entry Fee- Rs. 500/- (per student).
- Registration is compulsory for all participants. The entries for projects in the Convention will be accepted only if forwarded through the Competent Authority, Head of the Institution.
- The Projects can be presented in the form of live demonstrations /models / posters/podium (oral) presentation in any aforementioned categories/areas/fields.
- Each university is allowed to send a maximum number of Six projects for the Zonal Level Student Research Convention.
- The selected projects duly approved by the respective University Coordinator must be registered online at <https://projectset.com/anveshan>
- The duration of the Convention will be two days each at Zonal Level.
- 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:

- a. The Length and Width of the Poster should be 1m X 1m.
 - b. The Poster shall NOT have any identification mark and logo such as name of the student/presenter, affiliating institutions, names of supervisor/mentors, etc.
 - c. The Poster shall be clear mention of the problem statement, objective (s), methodology employed, a brief summary of major findings.
- Total time allowed for Podium(Oral) Presentation is Seven Minutes and question answer is Three Minutes.
 - The entry fee for the zonal-level competition can be paid online in favor of the Host University through NEFT/IMPS/UPI.

Account Details for Registration Fee:

Bank Name : **ICICI Bank Ltd.**
Branch Address : **Krishna Apra Royal Plaza, D-2, E(acb), Alpha-1,**
Greater Noida, Gautam Budh Nagar, UP- 201306
Account Holder Name : **Sharda University-Seminar**
Account No. : **025405005815** (CURRENT AC)
IFSC Code : **ICIC0000254**
SWIFT Code : **ICICINBBCTS**
MICR Code : **110229037**

Boarding and Lodging

Sharda University will make the arrangement for Accommodation, Breakfast, Lunch and Dinner and Session Tea (twice) for the participants including their escorts without any charge during the two days of the event.

About the Association of Indian Universities (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:

Historical Legacy: AIU traces its origins to a time when India was striving for educational reform and transformation. Established with the goal of facilitating cooperation and interaction among universities in India, AIU has consistently evolved to meet the changing needs and challenges of the Indian higher education system.

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 to fulfill its mission. These include:

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.

The Association of Indian Universities (AIU) stands as a cornerstone of India's higher education system. Its dedication to fostering collaboration, advocating for excellence, and ensuring the global recognition of Indian education has made it an indispensable institution in the nation's educational landscape. AIU continues to play a vital role in shaping the future of higher education in India and contributing to its global prominence.

About the Sharda University

Sharda University, **NAAC A+** accredited, rank 87 in NIRF is a leading multi-disciplinary University established in Greater Noida, Delhi NCR in 2009 by an act of UP state legislature. Equipped with world class facilities, strong industry connects and community engagement, The University offer 126 program including 67 master and 01 doctoral program in almost all the disciplines of Pure and Applied Sciences, Engineering and Technology, Management, Humanities, Architecture, Design, Mass Communication, Education, Law, Nursing, Pharmacy Dental and Medical Science through its 14 school and 23 departments. The University has been striving since its inception to create, update and upscale its research and development facilities keeping pace with recent advancement in the domain of Science and Technology. The approach has been to create an strengthen and ecosystem that inspire motivate and promote faculty and students to undertake research, generate knowledge, public finding and protect intellectual rights.

AIU Anveshan **Student Research Convention North Zone** 19th - 20th January 2024

Organising Committee

CHIEF PATRON



Shri P. K. Gupta
Honorable Chancellor, SU

PATRON



Shri Y. K. Gupta
Honorable Pro-Chancellor, SU

CO-PATRONS



Prof. (Dr.) Sibaram Khara
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Dr. Bhuvnesh Kumar
Dean Research, SU

CONVENER



Dr. Mohit Sahni
Asso. Dean, Research

ORGANIZING SECRETARY



Mr. Vikrant Choudhary
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 www.sharda.ac.in

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