

LOUIS I. KAHN TROPHY 2017-18

60 the Annual NASA Convention

HERITAGE AND DEMOCRACY



1. THEME

HERITAGE AND DEMOCRACY

It is believed that the Parthenon was a result of negotiation between different agents in the Athenian Democracy. People made decisions and funded the construction of Parthenon to express their support. Thus Parthenon became a building not of one man but of Democracy.

Democracy needs people, Democracy Needs space... Like national symbols, many buildings/ monuments create or uphold our identity. These are the symbols which have our emotional engagement and usually appeal to our senses. They imbibe the sense of glory, pride and continuously remind us about their contribution in smooth functioning of the system

When it comes to day to day functioning, politics, we require "Space". This is where architecture has a major part to play. The buildings passively contribute in the smooth running of the government. Such buildings in due course of time become symbols of the society and have all sorts of emotional, cultural, economic associations. Public buildings and Administrative buildings can be called as the face of democracy. While India was making its way towards freedom, Public buildings were being designed, constructed and used were already celebrating democracy.

Every city and its people need governance. The city symbolizes community living and it is this communities physical manifestations which are seen as architectural structures of various forms and functions. One such important function of the city is - administration of the city, of the community, of the people. These administrative buildings are seen in contrasting scales and styles in different states, cities and towns as manifestations of power centers. Some are designed to function as administrative headquarters and some are adapted to function as Administrative centers.

After Independence the newly formed government also followed the path of making "public buildings" symbols of democracy which is evidently seen by Nehru's decision of inviting Le Corbusier to design Chandigarh.

These symbols of democracy are seen right from the local government/ administration level to the central government/ administration level. The style, planning, design, construction techniques vary but the function continues to dominate. The design of the building/s clearly indicates the phase through which the nation was going.

2. AIMS AND OBJECTIVES

The aim of the 17-18 LKT is to document buildings / complexes/ sites which are symbols of democracy. The structures which play an important role in the smooth functioning of the government, (local/State/Central Level).

Students are expected to document such Administrative structures of any era – pre Mughal, Mughal, pre-colonial, colonial, post-independence but not built later than 1967. (The structure should be more than 50 years old.)

For eg. The vidhan Souda Bangalore; The Vidhan Sabha Lucknow; Writers Building Kolkata; Town Halls in Mumbai, Kolkata, Shajahanabad, etc. which suite the theme while responding to various factors like climate, topography, culture etc.

The programme is to

- Train students to appreciate and understand the heritage through documentation carry out research before selecting the structure/ structures/ complexes and substantiate the study by desired level of research throughout.
- Understand how historic structures, buildings/ complexes as built heritage by assigning the relevant values and understand the traditional knowledge systems
- Bring out the essential traditional techniques or features employed within the structures/ sites responding to the typical site situation

The entries for the Trophy should showcase:

- Context of the selected site.
- Aspects relevant to the making and evolution of such historical building type (architecture, planning, construction, use, function, technology, material, elements, building crafts etc.)
- Analysis regarding the use of traditional knowledge systems
- The importance of precise documentation as a tool to understand buildings, to record on paper the salient features of such examples which are the result of fusion of tangible and intangible processes

3. CHOICE OF SITE

- Participants shall select ONE / COMPLEX OF BUILDING[S].
- Select the site nearby your location as it is easy to go back to the site, if need be, for purpose of verification etc.
- It is ideal if you select the site from your own region, but not mandatory.

- Study of undocumented / unexplored sites is encouraged through this programme

Choice of the historic structure or building(s) shall be determined by the following aspects:

- The site should be largely accessible in order to document it. Areas of the buildings which might not be accessible for measurements should be clearly indicated as 'inaccessible' or could be conjectured with a 'cloud' drawn to clearly indicate so. **Sites with inaccessible areas should be chosen only in the event of accessible part having extra ordinary significance, which deserves to be documented.**
- It is an advantage if the owners/users are in a position to tell you factual information/episodes related to the history of the building, which you must attempt to identify in physical documentation / mapping
- Do not chose too many and too large scale buildings/ complex or buildings having large areas inaccessible.

The Trophy is broadly judged by

- Rationale for Site selection
- Research – archival records to establish extraordinary significance of site.
- Identification, listing and analysis of values associated with site.
- Quality and depth of your documentation.
- Identification and mapping of threats to site – immediate as well as long term.
- Quality, depth and analysis of documentation along with choice of right documentation practice.

IT SHOULD BE NOTED THAT THE ENTRY WILL NOT BE JUDGED ON THE QUANTITY OF WORK DONE.

4. KEY TASKS

The Submission should adequately explicate and illustrate the context, character, qualities, specificity and threats to the selected historic building(s)

In order to understand and explain adequately the historic building / complex, you shall record, document, research and analyze the following:

- Justify and explain your selection
- Record and document in detail the building(s) **AS THEY ARE TODAY**. Choose the appropriate means and combination of documentation (measured

drawing, photography, sketches, text analysis, oral history, etc.) for each aspect below:

- Planning and spatial organization
- Physical form, structure, and constituent elements of the entire building/ complex
- Interplay of architectural, structural, and material elements
- Aspects of its making – materials / construction techniques/ technological advancements etc.
- Nature of usage and purpose of spaces
- Role of climate on the built form
- Application of traditional knowledge systems
- Document the history and evolution of the building(s) along with associated building crafts and traditions.
- Document pointers of the different periods in history (pointers are physical elements in the built fabric, which date from one specific period and thus help us to understand the layers of history in the present building and its construction system)
- On the basis of above documentation,
 - Explain the technological/ scientific/ economic (depending on the place also social/political or other) relevance of the building
- Construction details, aspects of its making and design
 - Select one or several construction details indicative of the nature, development, use, special ability, etc. of the building. Explain your selection.
 - Draw and analyze the construction details.
 - Materials and construction techniques by drawing special details
 - Structural elements and parts through 3d drawings
 - Nature of structural assembly through 3d drawings
- Transformation / additions / changes in the functional use of spaces within the building/site and analysis of its impact of site – positive / negative
- Identify the singular salient feature which makes it unique or and displays the use of Traditional Knowledge systems and makes it work

5. SUBMISSION REQUIREMENT

The Submission shall comprise of a
MAXIMUM OF **20 A1** SHEETS AND **2 A1** PHOTOGRAPHIC PANELS only.

5.1 BUILDING(S) AND CONSTRUCTION DETAILS

MEASURED DRAWINGS

- Panel size: A1
- Panel quality: Opaque (OR Gateway or equivalent but of Matt surface: 90 gsm eg. Canson)
- Ink: Only black, no dilution of ink allowed (Hand drawn only for measured drawing purpose; **No computer aided drawings**)
- Number of panels: At least 2 A1 mandatory panels displaying the original field notes/ hand drawn sketches depicting the measuring process.
- Style: Measured drawings in the original as drawn on site (by hand only) *and not redrafted*

ARCHITECTURAL DOCUMENTATION

- Panel size: A1
- Panel quality: Opaque
- Ink: Only black, no dilution of ink allowed
- Number of panels: Minimum 2 A1; appropriate to make the reader understand
- Style:
 - a) Free hand sketches / hand drawings
 - b) Axonometric / Isometric drawings (free hand drawings)
 - c) Black and white (i.e. pencil, graphite, pastels, ink-wash, charcoal etc.)
 - d) Use of satellite imagery allowed as a basis for analysis
 - e) Photographs allowed (All satellite imagery, photographs, sketches and perspectives shall be in support of the document and not be stand alone and desirably in black and white)
 - f) The drawings should be self-explanatory with as little text as possible.

CONSTRUCTION DETAILS

- Panel size: A1
- Panel quality: Opaque (OR Gateway or equivalent but of Matt surface: 90 gsm eg. Canson)
- Ink: Only black, no dilution of ink allowed
- Number of panels: Minimum 2 A1; appropriate to make the reader understand
- Style:
 - a) Hand drawings only
 - b) Black and white

GENERAL REMARKS

- Each sheet shall bear the NASA logo within the width of the format as per NASA Logo Guidelines and title of site shall be in standardized Arial Narrow Font (72) in Grey ink with sheet numbers written clearly on it, *please note, no decorative titles are allowed.*
- NASA Logo should be as per NASA Logo Guidelines. (NASA Logo can be downloaded from NASA, India website.)
- Language: All titles, text and explanation must be in English. Other languages may be used for titles (exact translation of the English title) and summary texts (summarizing the English text) in addition to the English.
- All illustrations, sketches, maps, drawings, details etc. to have a title and a number
- Documentation done by hand only (hand drawings/hand inking) only. **No computer aided drawing plots / drawings as purpose is to excel the skills of documentation**

5.2 FIELD NOTEBOOKS

Final Documentation drawings shall be accompanied by a set of field notebooks (ideally using A3 graph pad) showing the hand drawn drawings /sketches over which measurements were first recorded with dates mentioned on them. These are **mandatory** and are to act as a supplement to the formal documentation. The hand drawn sheets, if need be, can be photocopied / scanned and bound together in sequence. Avoid retracing and writing dimensions on retraced drawings upgraded for documentation

5.3 PHOTOGRAPHIC PANELS (2)

- A maximum of 2 A1 sized sheets to be used for mounting photographs
- The number, size and colour of the photograph is at the discretion of the respective college
- Actual photograph to be submitted; no photocopy shall be permitted
- Each A1 sheet shall bear the NASA logo within the width of the format as per NASA Logo Guidelines.
- The format /sheet title should be only in English, no vernacular language to be used

5.4 REPORT

Report shall highlight the subjective aspects of the documentation of the historic building (s) and its response to evolution of multiple uses over a period of time. It shall be exactly structured along the panel structure, to give more background information about the building, the special techniques used, evidence found, All illustrations, sketches, maps, drawings, details etc. drawn/ used in the panels to be clearly mentioned and referenced in the Report (eg. source of maps, plans, drawings, timelines, dates etc.) along with bibliography and acknowledgements page in the end. Use 12 point, Times New Roman font style for the body text of the Report, which should not exceed 20 pages of A4 size. (Refer Annexure 2 for broad categories of the Report). No decorative titles allowed.

5.5 Soft copy

Soft copy of the entire documents, has to be compiled in a single pdf, (all sheets, field notes /hand drawn sheets to be scanned, , report and the photographic panels) has to be submitted on our website www.nasaindia.co

**ALL COLLEGES ARE REQUESTED TO ADHERE TO THE MENTIONED SPECIFICATIONS,
FAILING WHICH THE ENTRY CAN BE DISQUALIFIED**

PRIZE MONEY:

Prize money of 2 lakhs Rupees is allotted to the trophy and it will be divided according to the no. of Citations and Special Mentions.

CHECK LIST FOR SUBMISSION:

- Soft copy of submission in PDF to be uploaded on NASA India website- **www.nasaindia.co**.
- Authenticating letter from college HoD/Principal/Director (on College Letterhead with Sign and Stamp of HoD/Principal/Director of the college), for each entry, that the work submitted is genuine and they have endorsed copyrights for the same and with the name of Participant(s) and stating the unit shall abide by whatever may be the final results and also agree that this entry is property of both the institute and NASA India.
- Declaration by the participant(s) stating the work submitted is genuine and they have endorsed copyrights for the same and to adhere by all the rules and regulations, Jury process and the results.
- Authenticating letter from college HoD/Principal/Director(on College Letterhead with Sign and Stamp of HoD/Principal/Director of the college), specifying the Account Details(Account Name, Account Number, Bank Name, ISFC Code) in which the Prize Money is to be awarded.
- Editable format of the sheets has to be submitted during the Annual NASA Convention (Applicable only for shortlisted entries).

OTHER INFORMATION:

- Registrations and submissions should be done by the Unit Secretary.
- Kindly print the form on the college letterhead along with the attestation by the college HoD/Principal/Director and uploaded the scanned copy of the same during registration.

ANNEX I

Architectural documentation purpose, methodology & techniques to be used

Purpose

Architectural documentation is the capture of information relevant to understanding the physical configuration, history, evolution and condition of historic sites at known points in time. It is based on the recording of primary evidence (the historic fabric itself as well as documentary, pictorial and other evidence) and the research of secondary sources. This may include tangible (physical) as well as intangible (oral, visual, etc) evidence. Documentation is an important part contributing to the understanding of heritage and its related values.

Architectural documentation is never developed in isolation, it always serves a purpose. With view to the LIK, this purpose may be to;

- **Acquire knowledge to advance the understanding of our past**, our history, cultural heritage, and its associated values **and thus forward the understanding of life, as it is today** and helps to explain present phenomena (for instance in the purview of art history, architecture, social, or economic history, structural or engineering history. Here, documentation serves the research, knowledge and awareness and appreciation of bygone times, and the way people lived, worked, and created things in different periods of time. It serves the better understanding of architecture, structural methods, building processes, crafts and stylistic idiom)
- Learn from the past in order **to base the development of new design of buildings and settlements on the knowledge** of historic achievements and valuable traditions
- Promote the interest and involvement of people in the **preservation of heritage** through the dissemination of recorded information
- **Provide/create a permanent record /reference** of unprotected historic buildings and sites
- Provide information for administrators and planners at national, state and local levels to develop heritage-sensitive planning, policies, and decisions
- **To create resource material for education and training of architects** in enabling them to develop their skills and comprehension of the discipline of architecture
- **Rediscover historic buildings and sites and demonstrate the importance of 'looking, seeing and interpreting through hands'**.

Methodology & Techniques

For each level of study as mentioned in the Brief, you will go through several stages of data collection, analysis, evaluation, and synthesis. These steps are described below:

Data Collection

The process of documentation may include

a) Study of primary sources

- Material fabric (buildings, infrastructure, etc.)
- Maps and plans
- Written documents
- Pictures, paintings, films and other visual documents
- Oral evidence
- Etc.

b) Study of secondary sources

- Maps and plans, written, pictorial, and other documents such as books, films, etc.

All documentation levels shall be based on primary sources to the greatest extent possible. The use of secondary resources must be indicated. Within the written history, statements shall be footnoted as to their sources.

It is one requirement of this Trophy that the sources and research techniques shall be visibly displayed for the Jury to see that you have not only created a result, but that your process of study is thorough and adequate. This is particularly important for the 'measured drawings', which are at the basis of any analysis of the material fabric present.

The development of measured drawings shall therefore be described below. You may however also consult academic and technical publications to assure that your documentation in all its aspects listed above meets academic and professional standards.

Measured drawings shall be produced from recorded, accurate measurements. They are made by measuring each and every part of a building and by conveying this information in graphic form. Analytical in nature, measured drawings are, in a sense, the reverse of an architect's working drawings. Measured drawings depict a building in its existing state. Portions of the building that were not accessible for measurement (e.g. false ceiling, strong rooms, basement stores etc.) should be clearly labelled as 'inaccessible' or can be conjectured with a 'cloud' drawn to clearly indicate so.

Measured drawings have many advantages over photographs, which are superficial by nature. Views of a building that cannot be portrayed by photographs, such as floor plans or sections, or features that are normally hidden from view, such as construction details, can be accurately documented in measured drawings. In addition, the

dimensions of various building features can be determined from measured drawings, making the drawings an invaluable resource for conservation projects. It is also universally recognized that the fundamental role of drawing is to express and communicate as well as to extend knowledge.

ANNEX II

Broad categories for the Report

Tracing evolution of functional uses of an historic building/site from historic to contemporary and its impact on historic significance on physical fabric of selected site

- Brief description of location, the structure / building (s) / complex and its natural setting
- Justification for choice
- History and Evolution
- Physical Form
- Spatial Organization
- Nature of use and purpose
- Construction materials and techniques
- Technological / Scientific advancement
- Identification of significance and value assessment of the selected site
- Analysis of structure selected
- Conclusions

ANNEX III

Background

Role of ICOMOS INDIA

For 2017-18 Louis I Kahn Trophy, NASA India requested ICOMOS India to be associated with them to select the theme, prepare the programme and the jury.

The Brief was prepared by group of experts in the field.

Further ICOMOS India would provide all the necessary technical support for the Publication of the LIK trophy

Choice of topic

Heritage and Democracy is the theme of the Scientific Symposium being organized during the course of the 19th General Assembly to be held in Delhi, India from 11th to 15th December, 2017. Being organized in the largest democracy of the world, the central idea is inspired by a recent, marked shift in heritage discourse globally towards a genuine people centric engagement.

The Scientific Symposium this year explores the possibilities for cultural heritage in a world of multiple stakeholders, recognizing diversity, multidisciplinary practice, acknowledgement of people and their associations, empowering them to protect the future of our past.

The Scientific symposium further explores the discourse under four sub-themes namely –
Heritage and Sustainable Urban Development; Heritage for Peace & Reconciliation; Cultural Heritage and Digital Empowerment and Culture-Nature journey.

In the background of this symposium, it is proposed to explore this idea further as a theme for the Louis Kahn Trophy.

Purpose

Research, technical Documentation and analysis of the structures was the primary aim in selecting the theme for this year's LIK trophy.

Any Kind of Queries need to be submitted through <https://nasaindia.co/trophy/lik> to

SHOBHIT MAHESHWARI

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