

# *Indira Gandhi National Centre for the Arts*

## Documentation of Cultural Heritage in India - An IGNCA Initiative

Workshop on  
Digital Preservation in India

Organized by  
*Federation of Indian Chambers of Commerce and Industry*

November 07, 2008

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## *About IGNCA*

The IGNCA, established in the memory of Smt. Indira Gandhi, is visualised as a centre encompassing the study and experience of all the arts -- each form with its own integrity, yet within a dimension of mutual inter-dependence, inter-relatedness with nature, the social structure and cosmology.

# About IGNCA

## Relationships

Different forms of Arts

Classical with Folk

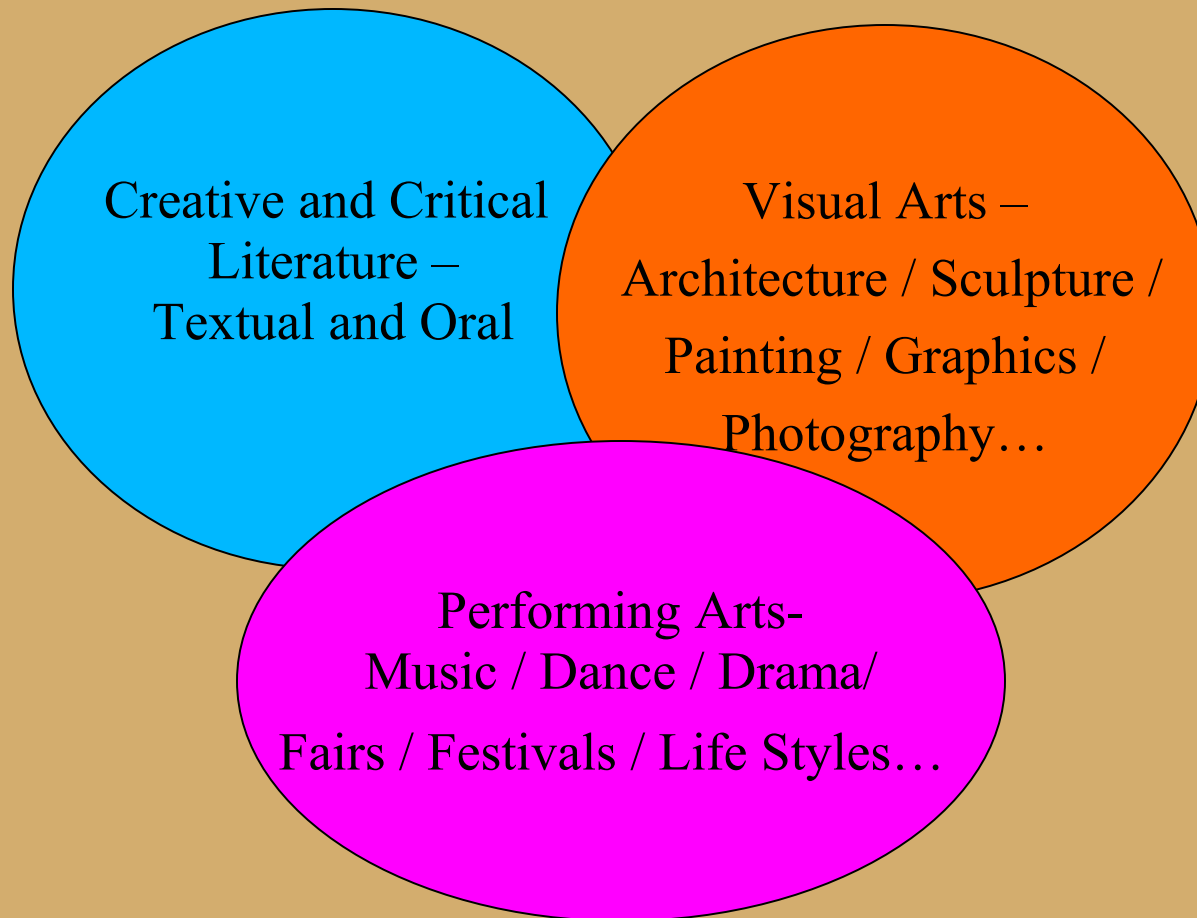
Arts and Science

Social Science and Natural Science

Traditional Knowledge with contemporary

and, use ART as TOOL for the Development

# Components of Art and Culture



## *IGNCA as nodal agency*

The IGNCA has been designated by the Government of India as the nodal agency for creation of a data bank on art, humanities and cultural heritage.

The IGNCA has been designated by the Government of India as the nodal agency for the National Mission for Manuscripts.

The IGNCA has been identified by UNESCO as nodal agency for the development of regional databases for South and South East Asian countries on art, cultural heritage and life-styles through the application of state of the art technologies for standardization, exchange and dissemination of data.

## *Users expectations*

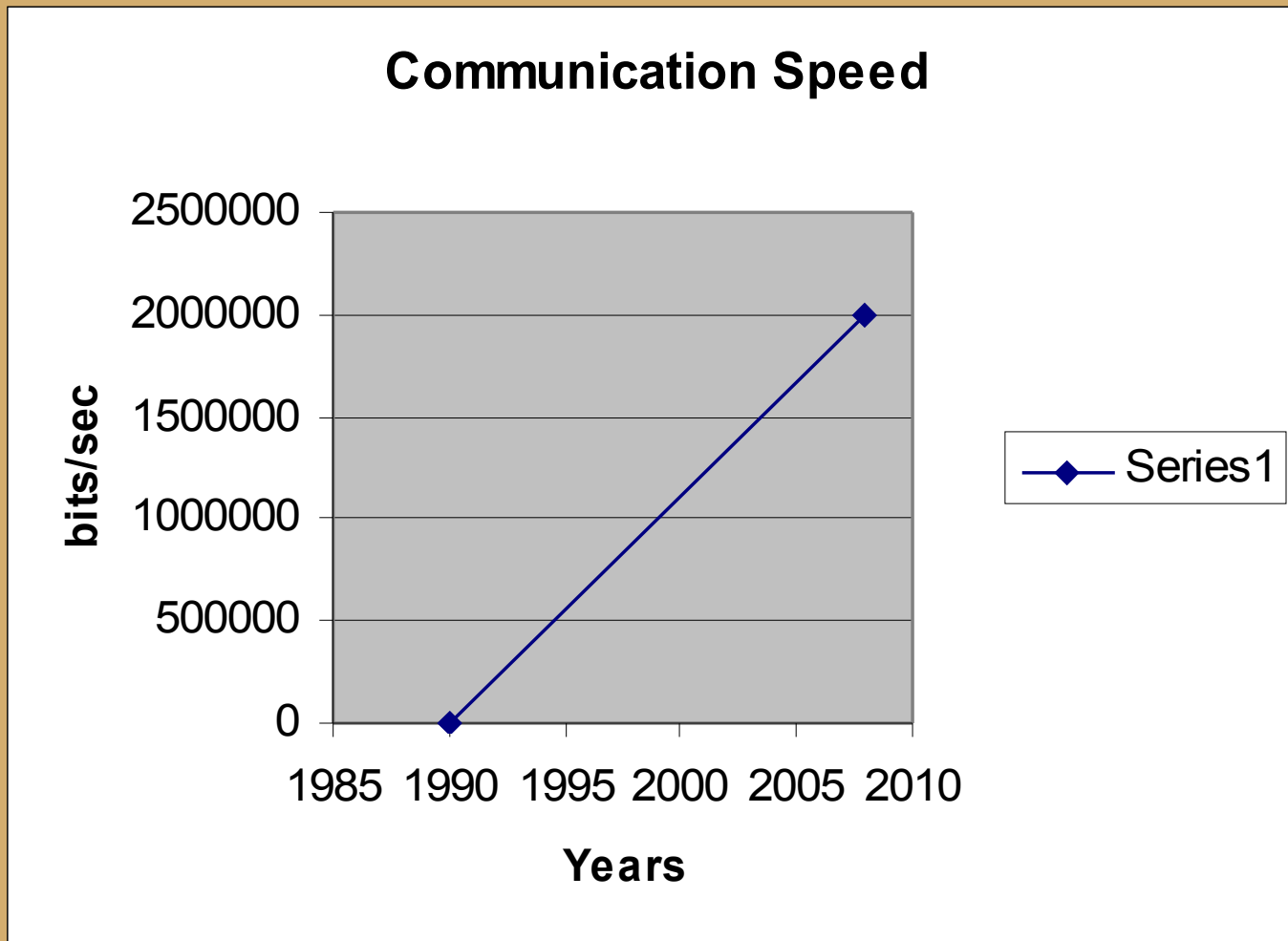
- Data from organized source- Structured data
  - Manuscripts
  - Printed Books
  - Visual and audiovisual (Archival) holdings
- Data from other sources- Unstructured data
  - Oral traditions
  - Rituals
  - Festivals
  - Individual / group (community) knowledge

*All under same umbrella, anytime and anywhere*

## *Technology factors*

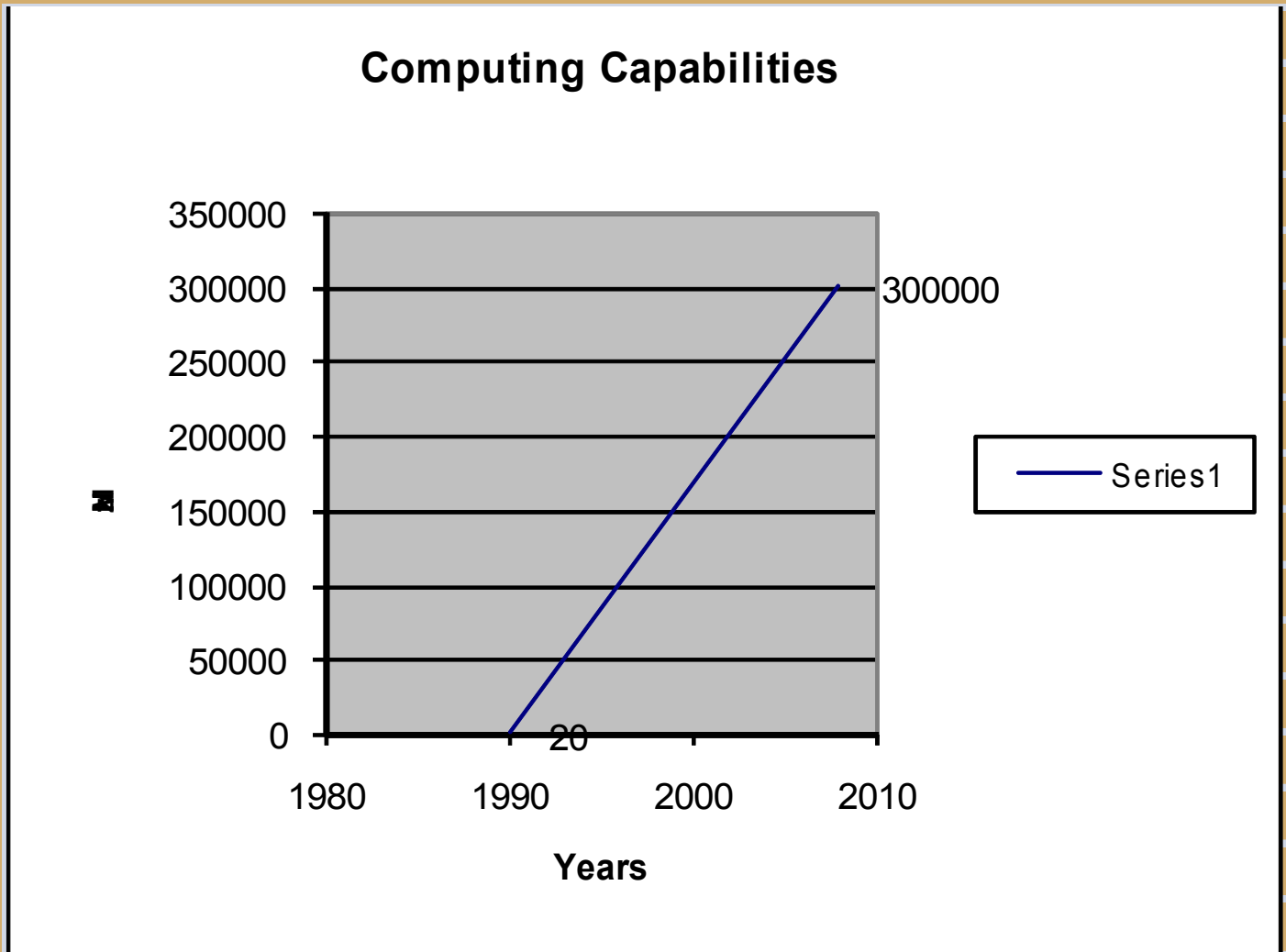
- Increasing Communication speed (bytes to mbps)
- Increasing Computing capabilities (MHz to GHz)
- Decreasing communication, computing and storage costs
- Increasing Spectrum of Consumer Electronics generating digital data (majority of the data today are born digital)
- Computational design methodology
- Multimedia technology allows users to interact and explore the subject in multiple layers, in a non-linear and integrated mode by combining audio, text, graphics, animation and video on a computer.

# Increasing Communication speed





# Increasing Computing capability



# *IGNCA's Initiative – Preliminary databases*

HP3000 Supercomputer (Minisis DBMS)

PICTO

CATCAT

MANUS

KK TERM

Musical Records

(Efforts couldn't be utilized as majority of the data couldn't be migrated on the new platform)

## IGNCA's Initiative – Gita-Govinda Exhibition



Interactive multimedia exhibition titled “Gita Govinda- A multimedia experience”, a 12th Century epic by Jayadeva, organized by the IGNCA in collaboration with Xerox Polo Alto with an objective to familiarize audiences on the fundamental concepts of Indian music, dance, art and their inter-relationships and interpretation, in 1997-98.

*(Highly appreciated event)*

# *IGNCA's ongoing activities*

## 1. Kalasampada (Digital Library- Resources of Indian Cultural Heritage)

Digitization of manuscripts (IGNCA/NM/ORLS/AM)

Digitization of visuals at the IGNCA

Digitization of audio / video of IGNCA

## 2. National Databank on Indian Art and Culture

Digitization of Rare books

Visual (digital) documentation of archaeological and heritage sites

Visual and Audio-visual documentations of the life styles / rituals / festivals of the communities

# *Digitisation of Textual contents*

1. The IGNCA collection of over 2.5 lakh manuscripts containing about 20 million pages.
2. Manuscripts from ORL Srinagar, Allahabad Museum, National Museum etc.
3. Rare books of Central Archaeology Library
4. Rabindra Bhavan holdings at the Visvabharati, Santiniketan
5. Rare manuscripts from Assam.

# *Digitisation of Visuals*

1. Slides and photographic collections of the IGNCA including rare photographs of Anand Coomarswami, Raja Lala Deen Dayal, Sambhu Shah etc.
2. Documentation of Cultural Heritage and Archaeological sites (protected and unprotected). Till date states of Orissa, all the states of NE including Sikkim and Uttarakhand.
3. Life styles of the communities in the Northeast states.

# *Audiovisual Performance*



Folk performance on Sanjhi

# IGNCA Website



इंदिरा गांधी राष्ट्रीय कला केन्द्र

Indira Gandhi National Centre for the Arts



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कलादर्शन

[Kala Darsana](#) - provides forum for diverse creative expressions.

[Exhibitions](#) | [Lectures](#) | [Conferences](#)

[Exhibition space](#) of Matighar



कलाकोश

[Kala Kosa](#) - Publication Series : [Kalatattvakosa](#), [Kalamulasastra](#), [Kalasamalocana](#)



जनपदसम्पदा

[Janapada Sampada](#) - [Life Style Studies](#), [Unesco Chair](#), [Ethnographic Collections](#), [Children's World](#)



कलानिधि

[Kala Nidhi](#)

[Reference library](#) (Books, Monographs, Periodicals, Rare Books, Personal Collections, Library Database)



[Kalasampada: Digital Library](#)

Resource for Indian Cultural Heritage (DL-RICH)

Received [GOLDEN ICON: Award](#) for Exemplary Implementation for e-Governance Initiatives under category **Best Documented Knowledge and case study** by the Department of Administrative Reforms and Public Grievances, Government of India.

इंदिरा गांधी राष्ट्रीय कला केन्द्र की औपचारिक स्थापना भारत सरकार के मार्च, १९८७ के संकल्प के तहत एक स्वायत्त न्यास के रूप में की गई थी। इसकी एक ऐसे केन्द्र के रूप में परिकल्पना की गई है जहां सभी कलाओं का अध्ययन और अनुभव मौजूद है। यहां कलाओं के संबंध में यह माना जाता है कि इसमें लिखित और वाचिक; दृश्य कलाओं से लेकर संगीत, नृत्य और रंगमंच तक उनके व्यापक संदर्भों के साथ तथा मेलों, समारोहों तथा जीवन शैली के सभी स्वरूप शामिल हैं जिनके कलात्मक आयाम हैं। शोध, प्रकाशन, प्रशिक्षण, सृजनात्मक कार्यकलापों और निष्पादन के विविध कार्यक्रमों के माध्यम से केन्द्र का उद्देश्य कलाओं को प्राकृतिक तथा मानव

Added Information




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[Video Recording](#)

[Audio Recordings](#)

[Walkthrough](#)

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[Database](#)

Average monthly hits over 14.5 lacs in 2008



# *Indira Gandhi National Centre for the Arts*

## Kalasampada

(Digital Library: Resources of Indian Cultural Heritage)

### Contents

Manuscripts – Over 20 million pages

Books – Over 1 million pages

Visuals – About 150 thousands

Audio / Video – 500 hours

Walkthroughs

# Learning

- Data accessibility to users - highest priority
- Standards for Metadata (for data exchange)
- Standards of Digitization (for quality)
- Standards for storage (media) and policy for data migration (online /offline / distributed storage)
- Platform independent applications

# *Proposed Activities*

- Cultural Cartography (GIS based)
  - Manuscripts map of India
  - Archaeological and Heritage map of India
- 3D digitization of archaeological sites / sculptures etc..
- Animations
- Walkthroughs

# *Sectors/Industries which will be influenced...*

- Education
- Tourism
- Textiles
- Tribal Affairs
- Art and Cultural