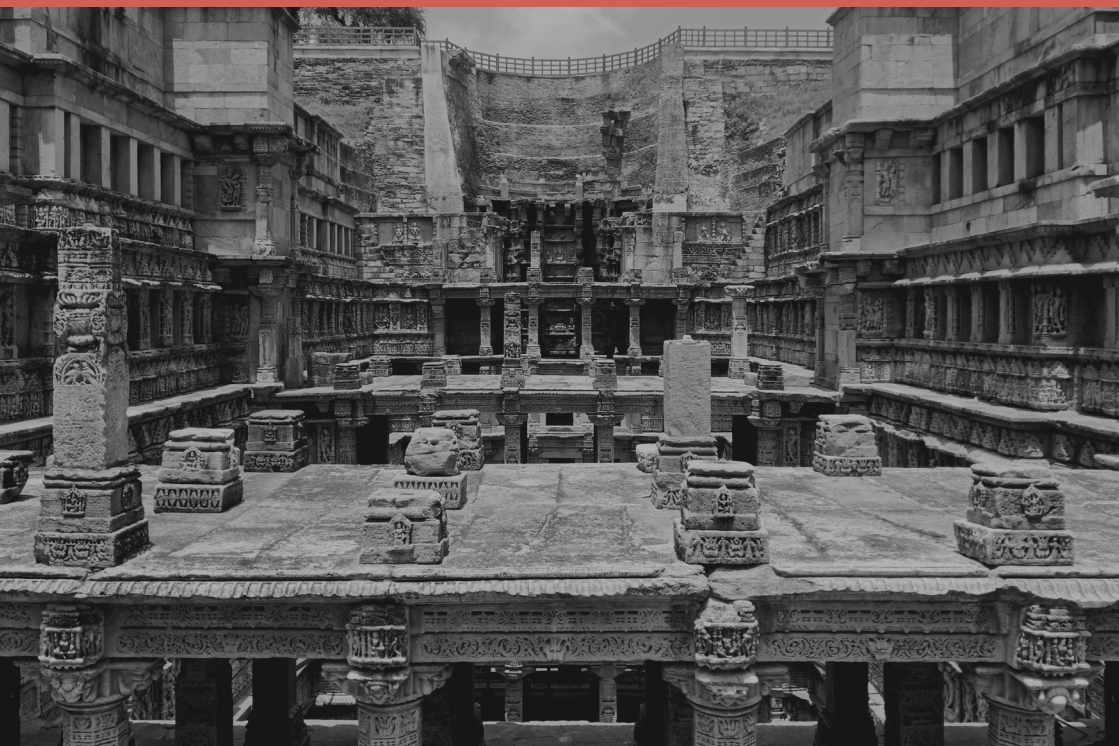


DOCUMENTATION OF CULTURAL HERITAGE FROM ANALOG TO DIGITAL

ONLINE CERTIFICATE COURSE





The Center for Heritage Conservation (CHC) has a vision of becoming the focal point in research, advisory and capacity building of the practice and policy of heritage conservation in the country.

With a firm belief in the ethics of conservation and sustainability, the Center intends to engage with municipal corporations, departments and ministries at central and state level, private practitioners and developers to inform practices on the ground and create sustainable and equitable solutions. CHC will also act as a repository of existing knowledge and contribute towards generating awareness and an intelligent discourse around the subject among the citizens and other interest groups.

<https://crdf.org.in/center/center-for-heritage-conservation>



ABOUT THE COURSE

This Online Certificate Course, to be held on four consecutive Saturdays, aims to provide the participants an exposure and training to the methods of manual and digital documentation of cultural heritage.

Practice, research and academic engagement of Architecture, more often than not, include methodical recording and documentation of the existing form of built heritage. Traditionally these processes have heavily depended upon rigorously measured drawings and keen human observations.

As technology continues to evolve with time, digital tools are providing increasingly detailed and accurate information within a relatively shorter time span. Choice of these tools, manual or digital, are often dependent on many contingencies of the site and resources.

Through this course, practitioners and researchers will be enabled to decide on the appropriate tools and methods to use for documentation of cultural heritage, especially in the Indian context.



COURSE STRUCTURE & MODULES

This course has been curated to present the evolving requisites and technologies for methodical documentation of built and urban heritage. It is structured into three independent yet supplementary modules, each offered by experts and educators from the field of heritage conservation. Each module has three input sessions by the experts followed by discussions and an assignment. Participants are expected to complete the given assignment within the week.

ORIENTATION SESSION

Contact time: Tuesday, November 24 2020; from 6.30 pm to 7.30 pm

Course Coordinator: Mrudula Mane

Teaching Assistant: Juhi Bafna

WEEK 1

Module I Measured drawing

Contact time: November 28, 2020; from 10.30 am to 4.30 pm

Tutor: Khushi Shah

Guest Speakers: Prof. R J Vasavada

Dr. Gauri Bharat

The first module focuses on the manual methods of documentation of built heritage. It includes lectures from experts on seeing, observing and understanding the historic buildings. The experts will guide participants in developing skills for archival research, the use of measuring techniques, conditions to be observed, health and safety measures, techniques of representation and addressing site contingencies and resource challenges. The module will help participants to envisage the process of documentation and plan for the same.

- *Introduction to purpose and principles of documentation*
- *Methodologies and resources for archival research*
- *Methodologies for preparing measured drawings*

WEEK 2

Module II Digital Documentation 1

Contact time: December 05, 2020; from 10.30 am to 4.30 pm

Tutors: Maniyarasan R, Mrudula Mane

This module introduces the participants to state of the art digital technologies for documentation of cultural heritage through input lectures and case study presentations. Participants would be able to understand the possibilities, limitations and resources required for digital documentation. This would be supported by instruction videos on the methods and processes involved. In this week the focus lies on the technique of photogrammetry which includes data collection, stages of processing and arriving at the desired output.

- *Architectural Photography*
- *Principles and applications of Photogrammetry*
- *Data collection, processing and accession*

WEEK 3

Module II Digital Documentation 2

Contact time: December 12, 2020; from 10.30 am to 4.30 pm

Tutors: Love Anandjiwala, Mrudula Mane

Guest Speaker: Pallavee Gokhale

In continuation with Week 2, participants would be introduced to LiDAR scanning technology and GIS techniques for data collection. This module demonstrates the practical aspects of processing of point cloud data, use of available open-source platforms and data accession.

- *Spatial Technology*
- *Principles and applications of LiDAR Scanning*
- *Geographical context of historic places*
- *3D Visualisation*

WEEK 4

Module III Documenting Urban Sites

Contact time: December 19, 2020; from 10.30 am to 4.30 pm

Tutor: Dr. Jigna Desai

Guest Speakers: Khushi Shah
Gurmeet S Rai

Documenting Historic Urban Areas requires a complex recording of architecture with a historic overview, activities, densities, mobilities and uses. This module consists of input lectures and instructional videos on these aspects. Case studies of best practices of documenting urban sites will be presented as well.

- *Recording of ensembles of buildings and neighbourhoods*
- *Developing skills for documenting living environment*
- *Representation of multiple complex layers of information*

COURSE COORDINATOR



MRUDULA MANE

Mrudula is an architect from Mumbai and has pursued MA in Conservation of Historic Buildings from University of York, UK. Presently she is working as Research Associate with Center for Heritage Conservation and is also a visiting faculty for the Masters in Conservation and Regeneration program at CEPT University. She has been actively involved in documentation, research, survey and conservation projects for Government & Non-Government agencies in Mumbai, Matheran, Pune and Ratnagiri region. She was a technical member of Fort Conservation Committee (from 2016 till 2019), appointed by Cultural Ministry of Maharashtra Government. It was an advisory body to the Directorate of Archaeology and Museums for documentation and restoration of medieval forts in Maharashtra. She is also a state nominated member of the board of trustees at CSMVS (Formerly Prince of Wales Museum) at Mumbai since April 2019.

TEACHING ASSISTANT



JUHI BAFNA

Juhi Bafna is a Conservation Architect from Mumbai and has an M. Arch. in Conservation and Regeneration from CEPT University (2020) with a semester of research at the University of York, U.K. She is a Teaching Associate in the Masters in Conservation and Regeneration program at the Faculty of Architecture, CEPT University and also a Research Assistant with the Center for Heritage Conservation, CRDF. Juhi has previously worked on varied scales of architectural projects in the urban context and has also explored product design and writing in the design studios she has worked with.

COURSE TUTORS



KHUSHI SHAH

Khushi Shah is a Conservation Architect and Adjunct Assistant Professor at Faculty of Architecture, CEPT University. She completed her Specialisation in Heritage Conservation from Centre des Hautes Etudes de Chaillot (Ecole de Chaillot), Paris, France and B. Arch from M. S. University, Baroda. She has over 17 years of experience in the field of Architectural & Urban Heritage Conservation. She was a key team member for the preparation of the World Heritage Nomination dossier for the Historic City of Ahmadabad with CEPT. She has also worked on various documentation and restoration projects as part of the Indo-French Collaboration project on the revitalisation of the walled city of Ahmedabad. Her key research interests include built heritage conservation, traditional building materials, structural behaviour of historic buildings and traditional settlements.



DR. JIGNA DESAI

Jigna Desai is the Program Chair for Masters in Conservation and Regeneration at the Faculty of Architecture at CEPT University. She brings to the institute her experience in working with traditional urban environments and framing how traditional architecture may be understood, studied and transformed. Her current work focuses on formulating frameworks, tools and methods through which theoretical ideas of sustainability and conservation of living historic environments can be translated into practice, while addressing the challenges of co-production of space and commodification of heritage. Jigna has studied architecture and has a master's degree in sustainable architecture from Cardiff University and a PhD in Conservation Studies from CEPT University.



MANIYARASAN R

Maniyarasan R is the Coordinator of CARE Design Cell, Trichy, and works on heritage documentation, design research and consultancy projects. He teaches at CARE School of Architecture, Trichy, TN. He is a PhD Candidate at the Design Department, IIT Hyderabad and architectural documentation is his primary research. He pursued B.Arch from SPA Delhi, PG Photography Design from NID Ahmedabad & UCA Farnham UK. His interest lies in architectural heritage and imaging. Maniyarasan attended the LLFCC Course on 'Conservation of Wall Paintings' in 2018. He continues to explore visual documentation, photogrammetry & technical imaging in architecture and conservation practice. He also works as a visual documentation consultant.



**LOVE
ANANDJIWALA**

Love Anandjiwala is a civil engineer and proprietor at Anandjiwala Technical Consultancy, which is a consultancy service established in 1981. The firm has expertise in Geological Survey and Services, Geotechnical Investigation and Map Measurer Survey techniques. He has been involved in various projects of recording and documentation for Government Bodies, Public Sector Enterprises, MNCs, and large public & private sector units. He has extensive knowledge and expertise in the use of LiDAR scanning technology specifically for the documentation of historic environments.

GUEST SPEAKERS



**PROF. R J
VASAVADA**

Rabindra Vasavada is an architect. He has been the Founder Professor of the Post Graduate Programme in Architecture and Settlement Conservation, Faculty of Architecture and Head of the Centre for Conservation Studies, CRDU (now CRDF) at CEPT University between 2007 and 2014. He was also head of the Technical Committee of Ahmedabad Municipal Corporation for the preparation of the UNESCO World Heritage Site Nomination Dossier for the Historic City of Ahmedabad from 2010 to 2017. The historic city was inscribed as India's first World heritage City by UNESCO in 2017.

His interest lies in developing insights into natural and man-made forms through studies in history, structures and regional contexts. He is involved with various schools and institutions in India and abroad as an instructor since 1978.

He has developed specific studies through his research assignments from national and international universities and agencies, in historic architecture which includes settlement architecture, Indian temple architecture and the utilitarian structures such as step wells.

He has worked in close collaboration with Archaeologists and Historians in his research studies and has personally undertaken extensive documentation work of many historical sites in India. He has conducted several Documentation workshops for Council of Architecture and INTACH for the faculties of various Schools of Architecture in India.



GURMEET S. RAI

Gurmeet S. Rai is a Conservation Architect who established Cultural Resource Conservation Initiative (India) Pvt Ltd (CRCI) in 1996. Her works span across architectural documentation, historic building conservation planning, projects related to cultural heritage tourism and management, capacity building and training.

Some of CRCI's significant projects include preparation of site management plans for the World Heritage Sites of the Red Fort (Delhi) and Ellora Caves (Maharashtra), conservation and revitalization management plan for the Gobindgarh Fort (Amritsar) and the Grand Trunk Road (Punjab) and conservation plans for historic buildings in the Golden Temple (Amritsar).

The award winning practice has received recognition from UNESCO and Government of Punjab, among others. Gurmeet has been on the jury of the Asia Pacific Architectural Heritage Awards of UNESCO for several years and has also been a former Officiating President of India ICOMOS. She is an Expert and Voting Member of the International Scientific Committee on Cultural Tourism, ICOMOS; Fellow of The Indian Institute of Architects; Member, Council of Architecture; Member, Delhi Urban Heritage Foundation; Member, Scientific Committee, Terra 2021 World Congress on Earthen Architectural Heritage, The Getty Conservation Institute, USA.



**DR. GAURI
BHARAT**

Gauri Bharat is an Associate Professor and Program Chair of the Architectural History and Theory Program at CEPT University. She completed her Ph.D. on conceptions of space and place among Santals in 2015, which was the culmination of a fifteen year long interest in indigenous habitations and published as 'In Forest, Field, and Factory: Adivasi Habitations Through Twentieth Century India' (SAGE - Yoda Press 2019). She continues to work on the architectural and material culture of indigenous communities, currently initiating research on nomadic pastoralists. Her current research has developed in two key areas: lived histories and histories of making. Bharat's research methods combine architectural and spatial transformations with archival analysis and ethnographic narratives to investigate how habitations transform.



**PALLAVEE
GOKHALE**

Pallavee Gokhale is currently a PhD candidate at IISER Pune. She has 12 years of professional experience in GIS and Software Quality Engineering. She is a consultant to Directorate of Archaeology and Museums of Maharashtra State, Citizen Archaeology Foundation and also undertakes GIS projects independently. She is a noted academic with three masters degrees; namely, MSc GIS- Remote Sensing (Greenwich UK, 2002), MA Indology (2008) and MA Archaeology (H.D. Sankalia Gold Medal) (2016). Pallavee has been a Research Fellow of Saṁvidyā Institute of Cultural Studies (2015-2016) as well as the Infosys Foundation Fellow (2020) wherein she was the recipient of the Infosys Foundation Travel Award. Her papers have been presented in national and international conferences as well as published in journals and proceedings.

APPLICATION AND ADMISSIONS

Architects and interior designers involved with documentation of cultural heritage sites, teachers and researchers of Architecture, Urban Design and conservation will find this course extremely useful for preparing their processes and pedagogy for documenting historic built environment.

REGISTER NOW

Application Process

Online applications open on October 14, 2020. Applicants should complete the online registration and attach the following documents.

- Statement of purpose
- Resume / CV

Alternatively, participants can download the form and email it with the required documents at chc@cept.ac.in.

Add 'Application for Online Course on Documenting Cultural Heritage' in the Subject line.

Application Deadline

November 20 2020

Program Commences

November 28 2020

Prerequisites

Participants must have a Bachelor's degree in any field allied to built environment studies.

Fees

INR 22,000 + GST

Certificate

Participants will receive a certificate on successful completion of all the assignments in the course and a minimum of 85% attendance.

For regular updates, visit: www.crdf.org.in



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