

Broader areas of research:

- A. Sustainability in Architecture and Design
- B. Technology and its Applications in Architecture and Design
- C. Emerging trends, theory, etc.

Apart from the above areas, it is virtually open to any other exciting research area as well. Practice-based and Research-based, Ph.D. is also encouraged. Candidates are advised to mail their interest areas and topics for discussion.

shivaji@des.iith.ac.in

Candidates can opt to apply for MHRD fellowship, other fellowships, and under sponsored categories. Please refer institute website for more details.

www.iith.ac.in

Advertisement for JRF/PhD position at IIT Hyderabad, India

Applications are invited for a time bound Project Appointment under the following project.

➤ **The position is convertible to Ph.D.**

- * **Application:** Apply at earliest by sending CV, portfolio to email address of PI
- * **Last date to apply:** Admission cycle for August 2023 through IITh admissions portal, check portal
- * **Check:** www.iith.ac.in

Work area of the Project	Heritage Architecture & Digital Experience Design	
Title of the Project	“Creating Digital Immersive Heritage Experience, Risk Assessment and Vernacular Architecture Analysis of Five Historically Significant Temple Marvels* of Kashi”	
Funding agency	DST; (funding duration 2+1 years)	
Name of PI	Dr. Shiva Ji	Email: shivaji@des.iith.ac.in
Institute	Department of Design, Indian Institute of Technology Hyderabad, India	
Post(s)	Consolidated fellowship	Qualification
Post 1. Junior Research Fellow – Architecture / Virtual Reality / Digital Architecture / Design Number of posts: 1 (In compliance with DST recommended conditions.)	Rs.31,000/- + 24% HRA per month for first and second years and Rs.35,000/- + 24% HRA per month for third year (HRA or Hostel facility in campus, subject to availability)	Qualification: *M.Arch first class *M.Des first class *M.Tech first class Mandatory: Candidates with knowledge in <u>Virtual Reality and Augmented Reality</u> / Digital Experience Design only should apply. Knowledge of 3D modeling, VR&AR and skills such as C#, C++, Unity, Reality Capture, Cinema 4D, Unreal Engine, Blender, Oculus, etc., is required. Desirable: Conservation and/or research experience and knowledge of <u>Indian vernacular architecture and heritage</u> would be an added advantage.
Post 2. Junior Research Fellow – Architecture / Conservation / Disaster Management Number of posts: 1 (In compliance with DST recommended conditions.)	Rs.31,000/- + 24% HRA per month for first and second years and Rs.35,000/- + 24% HRA per month for third year (HRA or Hostel facility in campus, subject to availability)	Qualification: *M.Arch first class *M.Des first class *M.Tech first class Mandatory: Candidates with knowledge in <u>Conservation / Disaster Management / Risk Assessment</u> only should apply. Knowledge of GIS, Heritage is required. Desirable: Knowledge of <u>Digital tools, mapping and documentation, 3D modeling</u> would be an added advantage.

Continued...

Note:

- PI reserves the right to alter the number of vacancies in each given posts and/or keep it open till the deserving candidate is found.
- Interested candidates should email their CV and relevant portfolio for shortlisting for interview to given email address of PI.
- Shortlisted candidates for personal interview will be informed over email only and suitable date for interview will be intimated to them.
- Interview may happen online. No campus accommodation will be given for attending personal interview. No TA/DA will be paid to the candidates for appearing in interview if called to campus for interview.
- Candidates with prior experience in relevant area will be given preference.
- Candidates who are about to finish their Master's program may also apply (provisional certificate from their head of institution required).
- Candidates may write email for any clarification to the given email address of PI.

PhD Admissions

Project mode
2023

in
Dept. of Design

Email to -



भारतीय प्रौद्योगिकी संस्थान हैदराबाद
Indian Institute of Technology Hyderabad

Dr. Shiva Ji
shivaji@des.iith.ac.in
www.iith.ac.in

Under
Project based JRF/PhD
in
Heritage; AR/VR; DRR
- funded by DST, Govt of India

Work area of the Project:
Heritage Architecture & Digital Experience Design

Title of the Project:
**"Creating Digital Immersive Heritage Experience,
Risk Assessment and Vernacular Architecture
Analysis of Five Historically Significant Temple
Marvels* of Kashi"**

in **Design aspects of...**

- * Vernacular architecture
- * Cultural landscape and connotations
- * 3D printing, BIM, GIS,
- * Digital immersive heritage experience
- * Heritage Impact Assessment
- * Risk hazard-impact analysis
- * Disaster Risk Reduction
- * Conjectural reconstruction
- * Micro Climate and Air Quality
- * Lidar, Photogrammetry, Photo recognition,
- * Geospatial modeling,
- * Urban spatial linkage and context analysis
- * Connections at art and craft levels, etc

But not limited to these only.



Old and closed positions

PhD Admissions

Project funded



भारतीय प्रौद्योगिकी संस्थान हैदराबाद
Indian Institute of Technology Hyderabad

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Dept. of Design

Email to -

Dr. Shiva Ji

shivaji@des.iith.ac.in
www.iith.ac.in

Design Research on Autonomous Vehicles

- (Aerial & Terrestrial)

Admission open for **January 2022** Semester
In full-time regular mode
Eligibility **M.Des/M.Tech**

DST NM-ICPS TIHAN

www.tihan.iith.ac.in

ii Any of following design aspects

- * Digital Surfacing
- * Form and Styling
- * Human Machine Interaction
- * Emotional Aspects
- * Human Factors
- * Navigation
- * Ergonomics
- * Perception and Behavior
- * Sustainability Aspects of ESE
- * Etc.

If interested, mail your CV, portfolio
and research proposal



PhD Admissions

Interdisciplinary
PhD mode


Interdisciplinary
PhD Program

Email to -



Dr. Shiva Ji
shivaji@des.iith.ac.in

&

Dr. Abhinav Kumar
abhinavkumar@ee.iith.ac.in


www.iith.ac.in

Under
Parametric generative design automation
for building design optimisation

 Subject domains:

- * Artificial intelligence
- * Machine learning
- * Information theory
- * Architecture



PhD Admissions

Project mode

iiit
Dept. of Design

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Indian Institute of Technology Hyderabad

Dr. Shiva Ji

shivaji@des.iith.ac.in

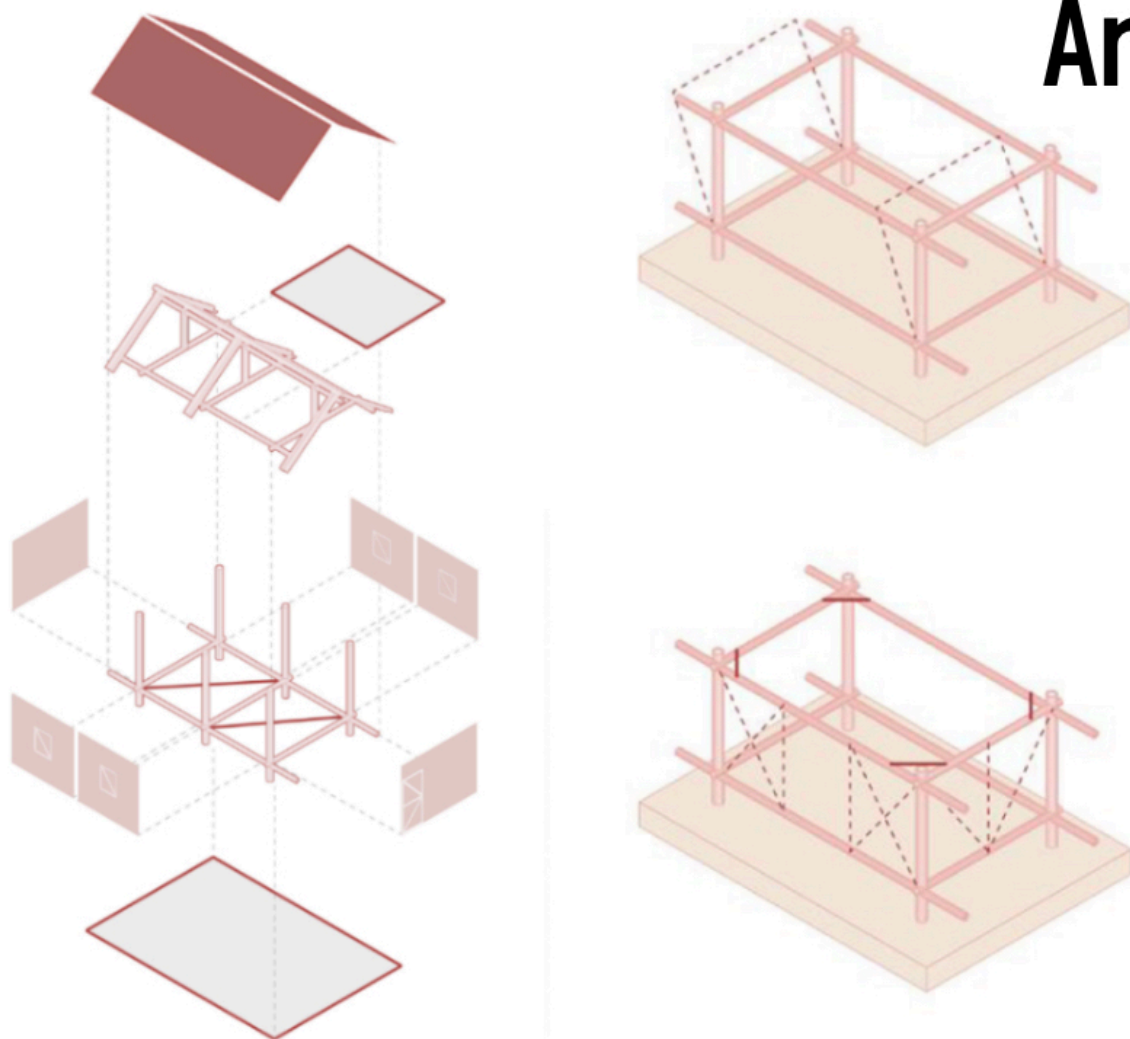
www.iith.ac.in



Practice based PhD
in

Heritage conservation

Architecture



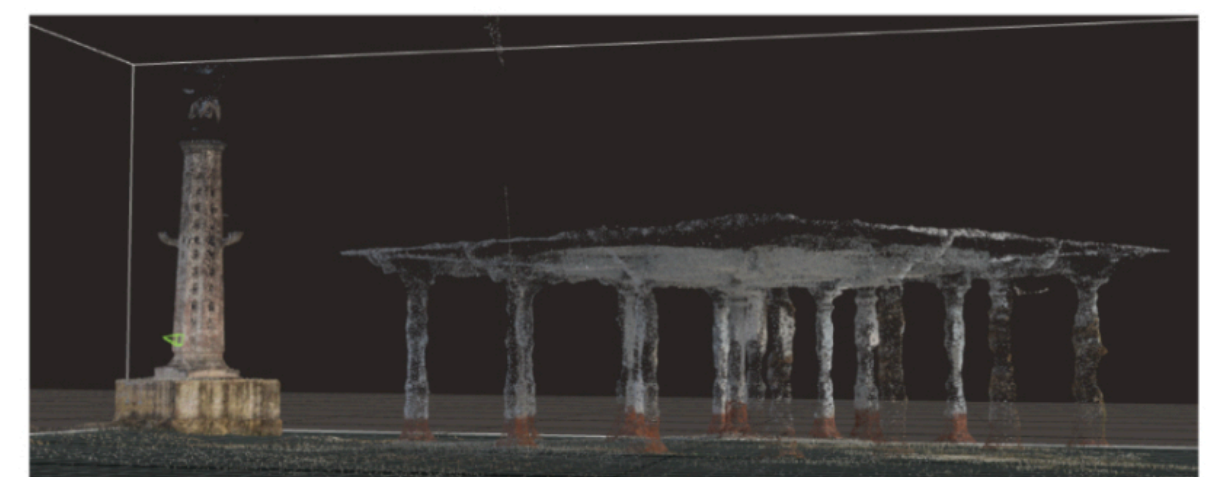
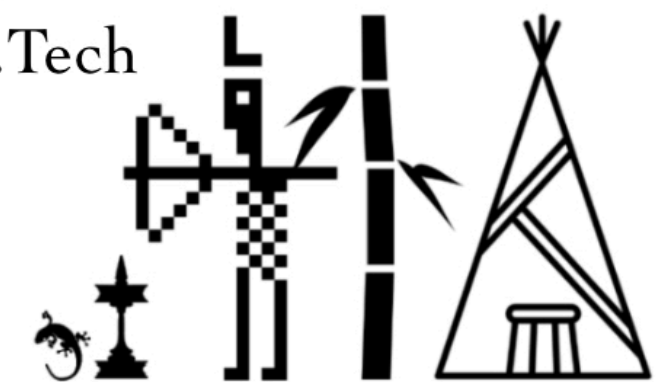
- * Vernacular Architecture
- * North-East India
- * M.Arch/M.Des



Digi-Heritage of
NE India

Virtual Reality

- * Photogrammetry
- * Augmented Reality
- * M.Arch/M.Des/M.Tech



PhD Admissions

Project mode

in
Dept. of Design

Email to -



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Indian Institute of Technology Hyderabad

Dr. Shiva Ji

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Under
Practice based PhD
in
autonomous vehicle design

- (terrestrial & air)

in **Design aspects**

- * Design problems
- * Human machine interaction
- * Emotional aspects
- * Human factors
- * Navigation
- * Ergonomics
- * Perception and behavior
- * Ethics
- * Etc.



PhD Admissions



Dept. of Design



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Under

- # Design for Sustainability Lab
- # Virtual Experience Design Lab

Tentative domain of research:

- * Sustainable development
- * Climate change
- * Lifecycle analysis
- * Architectural and industrial design
- * Vernacular architectural heritage
- * Virtual and augmented reality

