



Ankita Roy

Assistant Professor, Department of Design

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Major Areas of Research

Heritage Documentation, User Experience Design and User Interface Design, Publication Design, Typography and Ancient Scripts, Pop up Books - Paper Engineering

Major Research Facilities in the Group

Heritage Documentation,

Archival Photography,

UX-UI Design and Publication Design

Product Developed/Up to 3 most significant Publications

1. Magic of Mandu – Suhur-e -Shaadiabad, ISBN: 978-8193208540 (Winner of the National Tourism Award for Excellence in Publishing)
2. Brahmi – Rediscovering the Lost Script, ISBN: 978-8193208519
3. A Tribute to Bundela Painting, ISBN: 978-8193208564





Delwyn Jude Remedios

Assistant Professor, Department of Design

Office Room No. C-448; Office Phone No. (NA); Mobile 9160197791; Institute Email Delwyn@des.iith.ac.in;
Webpage Link: <https://vimeo.com/user35411152> and <http://delwynremedios.blogspot.com/>

Major Areas of Research/Up to 3 major sponsored projects:

Animation

Illustration

Cinematic Virtual Reality

Major Research Facilities in the Group

Drawing Display Devices

360-degree Virtual Reality Cameras

Head Mounted Displays

Technology/Product Developed/Up to 3 most significant Publications

Save our Species (International Award winning film) Rotating Cylindrical PIN VR Display - An ergonomic approach for VR scripts. Conference: Humanizing Work and Work Environment Conference (HWWE) IIT Guwahati.

<https://link.springer.com/book/10.1007/978-3-030-94277-9?sap-outbound-id=7E6E7235AC2FAABC7A5E19039737C0DA9C8B0929>





Neelakantan P K

Assistant Professor, Spatial Design Lab, Department of Design

Office Room No. B516; Office Phone No.; Mobile (optional); Institute Email; Webpage Link

Major Areas of Research/Up to 3 major sponsored projects

Architectural Theory
Spaces and Places
Visual Culture

Major Research Facilities in the Group

Critical Thinking
Urban Design/Architectural studies and
intervention
Interdisciplinary dimensions of space



Technology/Product Developed/Up to 3 most significant Publications

Keshavan, N, Boipai, S & Karanam, D. M., (2020), Protest as Performance: The Staging of CAA Protests, published in proceedings of International Conference on Research in Design 2020. pp. 779-791

Keshavan, N. (2022), Lab-ouring: Heritage as Lab Work, (under review, to be published) in the publication associated with (In)Tangible Heritage(s): A conference on technology, culture and design 2022



భారతీయ సాంకేతిక విజ్ఞాన సంస్థ హైదరాబాద్
भारतीय प्रौद्योगिकी संस्थान हैदराबाद
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Prasad S. Onkar

Associate Professor, Interactive Digital Reality and Applications laboratory
(InDRiYA Lab), Design Department

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<https://iith.ac.in/des/psonkar/>



Major Areas of Research/Up to 3 major sponsored projects

- Development of Sketch-based Immersive Environment for Articulated Product Concept Exploration
- Integrating AI ,AR and VR in learning models and their impact
- Improving Personal Health and Hygiene in Rural Schools through Interactive Installation

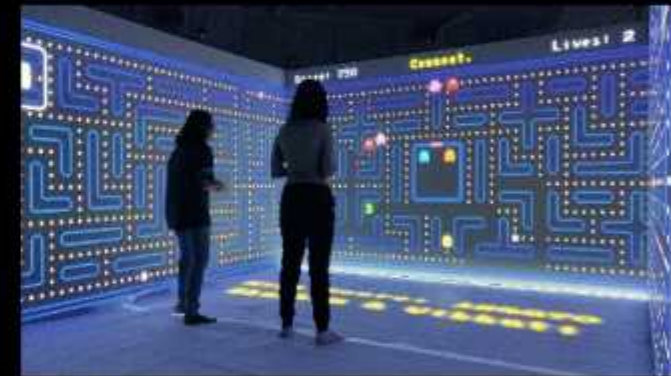


Major Research Facilities in the Group

3D Printing facility (FDM): Stratasys Fortus 450mc

Virtual Reality Cave Automatic Virtual Environment (CAVE)

Haptic Feedback Device (Haption Virtuose 6D)



Technology/Product Developed/Up to 3 most significant Publications

1. Rangarajan, Vimalkrishnan, Prasad S. Onkar, Alison De Kruiff, and Deirdre Barron. "A descriptive phenomenological approach to perception of affective quality in design inspiration." *Design Studies* 78, 2022
2. S. Kamal Krishnam Raju, Prasad S. Onkar, Lattice_Karak: Lattice structure generator for tissue engineering, lightweighting and heat exchanger applications, *Software Impacts*, Volume 14, November 2022
3. Prasad S. Onkar and Dibakar Sen, "Direct 3D Sketching with Haptic and Motion Constraints", *International Journal of Computer Aided Engineering and Technology*, Volume 8, No. 1/2, pp 33-55, 2016

Saurav Khuttiya Deori

Assistant Professor, Visual Design Lab, Department of Design



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Major Areas of Research/Up to 3 major sponsored projects

Visual ethnographic research, visual culture, Heritage preservation, Branding-Identity Design, Print and publications.

Major Research Facilities in the Group

Visual exploration license software (Adobe Creative Suite)
Workstations of High-resolution Image and Video Processing

Technology/Product Developed/Up to 3 most significant Publications

Deori, S.K., Barua, U. (2021). A Visual Analysis of Motifs and Patterns of Ghanasyam House Sivasagar, Assam, India. In: Chakrabarti, A., Poovaiah, R., Bokil, P., Kant, V. (eds) Design for Tomorrow—Volume 1. ICoRD 2021. Smart Innovation, Systems and Technologies, vol 221. Springer, Singapore. https://doi.org/10.1007/978-981-16-0041-8_48

Deori, S.K., Barua, U. (2022). Comparative Visual Analysis of Brick Architecture Ornamentations of the Ahom Monuments in Sivasagar, Assam, India. In: Chakrabarti, D., Karmakar, S., Salve, U.R. (eds) Ergonomics for Design and Innovation. HWWE 2021. Lecture Notes in Networks and Systems, vol 391. Springer, Cham. https://doi.org/10.1007/978-3-030-94277-9_98



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Seema Krishnakumar

Assistant Professor, Data & Info design lab, Department of Design

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Major Areas of Research/Up to 3 major sponsored projects

1. Data and Information visualization
2. Interactive data narratives and techniques
3. Mixed media techniques in data narratives
4. New documentary narratives
5. Interfaces, engagement and experiences / HCI

Major Research Facilities in the Group

AR, VR, CAVE

Projection mapping

High end image processing

Multimedia recording studio



Technology/Product Developed/Up to 3 most significant Publications

1. Land of lost reflections; a climate change-based reflection on the backwater regions of Kerala (In process)
2. A collective memory of a lost shoreline: a mixed media mapping of changes in the coastal belt of southern India (In process)



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Mohammad Shahid

Assistant Professor, Experimental Typography lab,

Department of Design

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Area of research:

- Understanding the Traditional, Experiential, Experimental and Spirited aspects of typography
- Intangible Heritage, Indian Art & Craft

Publications:

1. Shahid, Mohammad. 2021. "Title Design in Bollywood Movie Posters: Design Features, Trends, and the Role of Technology." *The International Journal of Visual Design* 14 (4): 15-33. doi:10.18848/2325-1581/CGP/v14i04/15-33.
2. Shahid, M. (2022). Understanding the Experiential, Experimental and Spirited Aspects of Typography. In D. Chakrabarti, S. Karmakar, & U. R. Salve (Ed.), *Ergonomics for Design and Innovation, Lecture Notes in Networks and Systems*. 391, pp. 1569-1579. Springer Nature Switzerland. https://doi.org/10.1007/978-3-030-94277-9_134
3. Chakradhar, A., & Shahid, M. (2022). Impact of Writing Tools in the Evolution of Telugu Script. In D. Chakrabarti, S. Karmakar, & U. R. Salve (Ed.), *Ergonomics for Design and Innovation, Lecture Notes in Networks and Systems*. 391, pp. 329-341. Springer Nature Switzerland. https://doi.org/10.1007/978-3-030-94277-9_29 (Awarded as a distinguished paper at HWWE 2021.)
4. Best typography poster award at Typography Day 2017 & 2021.



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Shiva Ji

Assistant Professor, DfS & VxD Lab, Department of Design

Adjunct faculty in Dept of Climate Change & Dept of Heritage Science and Technology

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Major Areas of Research

- Design for Sustainability in Architecture & Product Design
- Sustainability Assessment and Lifecycle Analysis
- Digital Heritage Reconstruction

Up to 3 major sponsored projects

- "Creating Digital Heritage of Representative Architectural Marvels from Each State of North-East India" - DST
- "Digital Immersive Heritage Experience" (DIHE) to create virtual reality experience of places - IITh
- "Creating Digital Immersive Heritage Experience, Risk Assessment and Vernacular Architecture Analysis of Five Historically Significant Temple Marvels of Kashi" – DST

Major Research Facilities in the Group

- Digital documentation of heritage structures – Photogrammetry, Virtual Reality, Augmented Reality
- Sustainability rating of buildings and products
- Lifecycle Analysis

Technology/Product Developed/Up to 3 most significant Publications

- Pawar, T., Sharma, A., Ji, Shiva. (2022). Heritage Representation of Kashi Vishweshwar Temple at Kalabgoor, Telangana with Augmented Reality Application Using Photogrammetry. In: Mudenagudi, U., Nigam, A., Sarvadevabhatla, R.K., Choudhary, A. (eds) Proceedings of the Satellite Workshops of ICVGIP 2021. Lecture Notes in Electrical Engineering, vol 924. Springer, Singapore. https://doi.org/10.1007/978-981-19-4136-8_3
- S. Chakraborty and Ji Shiva, 2022. Space syntax analysis of Total connectivity through the evolution of Bag Bazar Street, Kolkata (1746-2020), IEEE International Conference on Signal Processing, Informatics, Communication and Energy Systems (SPICES), 2022, pp. 513-518, doi: 10.1109/SPICES52834.2022.9774258.
- Ravishankar S., Ji Shiva. 2021 Exploring Two Housing Typologies in the Vernacular Architecture of Assam. Design for Tomorrow—Volume 1. Smart Innovation, Systems and Technologies, vol 221. pp 949-959. Springer, Singapore. https://doi.org/10.1007/978-981-16-0041-8_78



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Srikar A. V. R.

Assistant Professor, DSSI Lab, Department of Design



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Major Areas of Research/Up to 3 major sponsored projects

1. Postural Analysis, Product led ergonomic workplace Interventions
2. Alternative Pedagogical Tools and Spaces for Schools in India
3. EV Infrastructure in Campus environments, usage of alternate material applications and 3D printing tech.

Major Research Facilities in the Group

1. Lidar Scanner
2. 3D printers
3. 3D Modeling Software and Prototyping facilities
4. 360 Cam, Drones etc..
5. AR, VR Developments



Technology/Product Developed/Up to 3 most significant Publications

1. UVC Purifier (Patent Pending)
2. Blueblocks Space labs (Work published in major news papers)
<https://www.prnewswire.com/in/news-releases/students-reach-stratospheric-heights-blue-blocks-school-collaborates-with-iit-hyderabad-to-launch-space-lab-829621956.html>
<https://www.theweek.in/wire-updates/business/2022/04/08/pwr17-blue-blocks-complete-school.html>

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3. Autonomous Workplace: The Future, Accelerated. Srikar AVR, Michael, Ming Lee, Zsolt, Abhay.
Corenet global Hackathon in response to COVID-19



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