Ankita Roy

Assistant Professor, Department of Design

Office Room No.: C 530 ; Mobile: +91 7987378188; Email: aroy@des.iith.ac.in; https://ankiroy.com/

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

భారతీయ సాంకేతిక విజ్ఞాన సంస్థ హైదరాబాద్
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Anusmita Das

Assistant Professor, Department of Design

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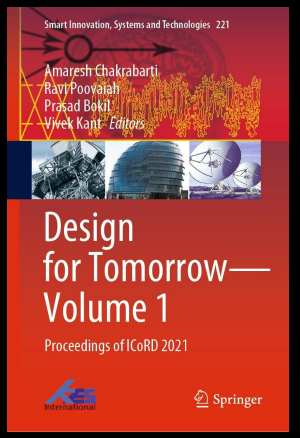
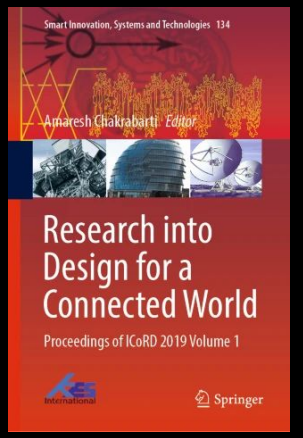
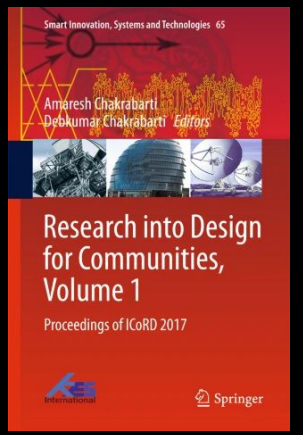
Office Room No. 3-14.; Mobile:+91 8133917450 ; Institute Email: anusmita@des.iith.ac.in

Major Areas of Research/Up to 3 major sponsored projects

Design Thinking, User Experience Design, User Experience and Cultures, Research Methodologies,
Visual Culture, Visual Identity, Urban Semantics,
Temporal Urbanism and Cultural Heritage







Technology/Product Developed/Up to 3 most significant Publications

1. **Spectacles of the Temporal City: An Analysis of the Effects of Festivals on Identity in an Urban Context.** Das, A., & Das, A. K. (2021). In Smart Innovation, Systems and Technologies, Volume 221. Springer, Singapore.
2. **Visual Culture of Urban Spectacles: A Discourse on Festivals in the Light of Urban Semantics.** Das, A., & Das, A. K. (2019). In Smart Innovation, Systems and Technologies, Volume 135. Springer, Singapore.
3. **Transmutative Visual Culture of Folk Festivals in a Semi-urban Scenario: A Study and Exploration of 'Magh Bihu'in Assam.** Das, A., Hani, U., & Andukuri, S. H. (2017). Smart Innovation, Systems and Technologies, Volume 66. Springer, Singapore.

Deepak John mathew

Professor (HAG), Design Innovation Centre, Design

7673950467, djm@des.iith.ac.in, dic@iith.ac.in, https://deepakjohnmathew.net/

Design Education, Digital Heritage Preservation, AR/VR, Autonomous passenger drone, Photography,

Laser Scanner, VR headset, Photogrametry facilities

Digital twin of heritage buildings, Drone Design, Design education Curriculum, VR film,VR musium

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Delwyn Jude Remedios

Associate Professor, Animation, Film-making, Comics, Illustration, Design

Phone No. 9160197791; Institute Email: Delwyn@des.iith.ac.in; Webpage Link: https://iith.ac.in/des/delwyn/

Major Areas of Research:

Animation, Film-making, Comics, Cinematic Virtual Reality, Visual Design, Illustration.

Major Research Facilities in the Group

Animation lab, Film-making lab, Illustration lab, 360-degree Virtual Reality cameras.

Internation Award Winning Films Directed

Save Our Species (2020)

Mitti (2022)

Something More (2023)

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Md Haseen Akhtar

Assistant Professor, Haseen Design Lab, Design

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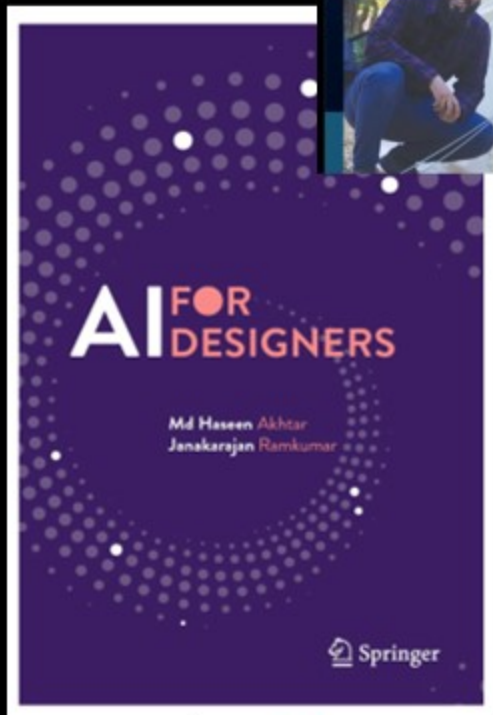
Major Areas of Research

Healthcare Infrastructure and Services Design, (more than) Human Centered Design, Computational Design, Emerging Technologies in Design (XR and AI), Human Computer Interaction (HCI), Brain Computer Interfaces (BCIs), Behavioral Design, Critical, Social and Frugal Design and Innovation, Design Education and Design for Global Health

Major Research Facilities in the Group

PRUSA 3d printers, Consumer grade and industrial grade sewing machines, CREAFORM GO 3d scanner, hand tools and other power tools, vacu former, diwire wire bender, all the major electronic items such as Arduino, raspberry pi with various types of sensors for smart product design, EEG headsets, high performance systems for 3d modelling and rendering, XR tech.



Technology/Product Developed

Deployable mobile PHC unit, Board game design, Antenatal kit, ASHA worker kit, ulcer bed, patient recorder for nurses, etc.

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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

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Dr. Prasad Onkar

Associate Professor, INDReA Lab, Department of Design

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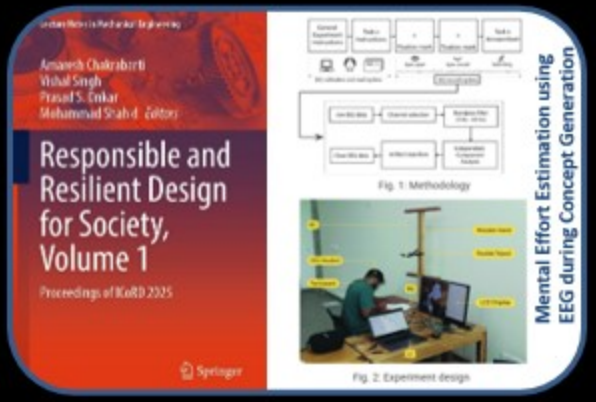
Major Areas of Research

Augmented/Virtual reality simulations for Design Ideations
Affect and Cognition in Design
Building Information Modeling
Brain signal based Design thinking
Haptic enhanced 3D sketching
Reality based Haptic rendering

Major Research Facilities in the Group

3D Systems touch, 3X Lenovo Thinkstation, CAVE Barco, Emotiv EPC X-14 Channel Wireless EEG Headset, Empatica GSR E4 Wristband, Flight Simulator, Hololens 2, HTC Vive Pro, HTC XR Elite, P720 Towers, Playseat Thrustmaster, Quest 2, Quest 3, Ultraleap Leap Motion Controller , Virtuoso 6D, Vituix Omni, Wacom tablets, etc.



Technology/Product Developed

1. Virtual reality references in design problem solving: towards an understanding of affect-cognition interaction in conceptual design
2. Lattice_Karak: Lattice structure generator for tissue engineering, lightweighting and heat exchanger applications
3. Modular Army Bunker Units Reinforced with Sand for Enhanced Protection

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Saurav Khuttiya Deori

Assistant Professor, Visual Design Lab, Department of Design

Office Room No.C112E; Office Phone No.: 6410; Email: skhuttiyadeori@des.iith.ac.in; Web: shorturl.at/vJR37

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

C - 439; Office Phone No.; Mobile (optional); seema@des.iith.ac.in; Seema | IIT Hyderabad

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

B310, PH: 040-23016408, mohammad.shahid@des.iith.ac.in

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

C-539, IIT Hyderabad; Phone: +91 40 23016405; Email: shivaji@des.iith.ac.in; Webpage: https://people.iith.ac.in/shivaji/

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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Dr. Sonali Srivastav

Assistant Professor, Department of Design

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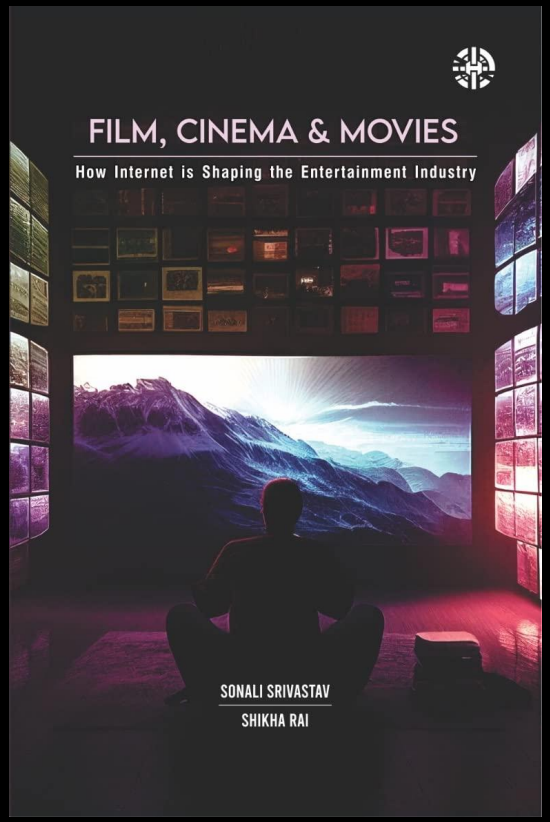
Major Areas of Research :

Film studies, Audio Visual media production, Visual Culture, Pop Culture

3 most significant Publications

- Srivastav, S. and Rai, S. (2023) Film, Cinema & Movies: How the Internet is Shaping the Entertainment Industry. 1st edn. Delhi. HP HAMILTON LIMITED. ISBN: 978-1913936341
- Srivastav, S., & Rai, S. (2024). Culture Production and Consumption in Post-COVID Era: A Meta-Analysis of OTT Industry in India. Journal of Creative Communications, 09732586241242580.
- Srivastav, S., & Rai, S. (2021). Transforming the entertainment industry: Video on Demand services in India. Media Asia, 1-14. https://doi.org/10.1080/01296612.2021.1977499



Srikar A. V. R.

Assistant Professor, DSSI Lab, Department of Design

Room C-447; Phone: 9930910427; Email: srikaravr@des.iith.ac.in

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

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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
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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