### RESEARCH INITIATIVES BY THE DEPARTMENT DURING 2012-16

1) Dr. (Prof.) Ila Gupta

**Submitted Research Proposals**

<table>
<thead>
<tr>
<th>No.</th>
<th>Submitted Research Proposals</th>
<th>Co-Coordinators</th>
<th>Year</th>
<th>Funding Agency</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Extensive Survey, Digital Archiving, Audio-Visual documentation, End User Experience and Revival of traditional 'ChambaRumal' embroidery of Himanchal Pradesh</td>
<td>-</td>
<td>2012-13</td>
<td>Ministry of Culture, New Delhi</td>
<td>30 lakhs</td>
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<tr>
<td>2</td>
<td>Empowering Rural Women Artisan of Uttarakhand through Technological Innovations and Interventions in Development and Marketing of Folk Art &amp; Craft</td>
<td>-</td>
<td>2013-14</td>
<td>DST</td>
<td></td>
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<tr>
<td>3</td>
<td>(Modified) Empowering Rural Women Artisans of Uttarakhand through Technological Developments and Dissemination: Focus on Aipan Art of District Almora</td>
<td>Ms Smriti Saraswat</td>
<td>2014-2015</td>
<td>DST</td>
<td>Rs. 67 lakhs</td>
</tr>
<tr>
<td>4</td>
<td>(Further-Modified) Empowering Rural Women Artisans of Uttarakhand through Design and Technology Interventions: Focus on Aepan Art of District Almora</td>
<td>Ms Smriti Saraswat</td>
<td>2014-2015</td>
<td>DST</td>
<td>Rs.85 lakhs</td>
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<td>5</td>
<td>Mapping the Evolution of art and architecture in the gardens of Bundalekhand : A case study of Chatterpur and Tilamgarh Distt.</td>
<td>Dr P S Chani</td>
<td>August 2015</td>
<td>UGC</td>
<td>Rs. 17,55,000 Lakhs</td>
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<td>6</td>
<td>PRESERVING ART AND ARCHITECTURE OF</td>
<td>Ms Smriti Saraswat</td>
<td>April 2015</td>
<td>UGC</td>
<td>Rs 16,25,000</td>
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QIP Course Coordinated

<table>
<thead>
<tr>
<th>S. No.</th>
<th>Course</th>
<th>Co- Coordinators</th>
<th>Year</th>
<th>Funding Agency</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Recent Trends in Applications of Art in Architecture'</td>
<td>Dr P S Chani</td>
<td>2015</td>
<td>QIP, IITR</td>
</tr>
</tbody>
</table>

Published Book


2) Harshit Lakra

Research Projects

1. Harshit S. Lakra (Principal Investigator) along with Smriti Saraswat (Co-investigator) is executing a research project “Model Village Development for Juang Tribe of Odisha through Public and Private Partnership” sponsored by HUDCO/HSMI. Project cost 22 lacs. The project is presently on its second phase. Project start year 2014. Project Duration 2 years.

2. Member of pilot documentation team for project “Dharohar” in Almora, Uttarakhand, India funded by Indian Institute of Technology Roorkee, as Co-investigator with Prof Smriti Saraswat (PI) from June 29, to July 6, 2014.

3. Working on research project “Dharohar”, India funded by Indian Institute of Technology Roorkee, as Co-investigator with Prof Smriti Saraswat (PI), Prof Ila Gupta (CI) - Project start June 2014.

4. Working on the research project titled “Case Studies of Ethnic Settlements of Jharkhand for Culture Based Planning” under the Faculty Initiation Grant, IIT Roorkee. Project cost Rs 7.50 lacs. Project start May 2013. Project is in its final stage.
5. Conceptualised and initiated research project on “Heritage Preservation of Solani Aqueduct with Community University Partnership (Gateway to upper Ganga Ecosystem and Culture) Under Green Cities Project on 14th June 2014. Project has been principally approved by National Mission on Clean Ganga. Project Cost: 6 Crores. Project status: detail proposal submitted for further review; Project duration: 3 years from start of the project; Project team: Prof. Pushplata, Prof. Gaurav Raheja, Prof Smriti Saraswat, Prof Sanjay Chikermane, Prof Arindam Biswas.

Books / Monographs


Research Publications

1. Barbhuiya M. R., Lakra H.S. and Munoth N. (27-29 Jan 2016); Building Energy Concept for Sustainability: Case of Green Buildings; BRICS - Evolution from Acronym to Global Power; Organized by BRICS International Forum and Russian Centre of Science and Culture at Russian Centre of Science and Culture, New Delhi, India.
2. Lakra H.S. and Barbhuiya M. R. (27-29 Jan 2016); Interpreting State NGO Relationship in Jharkhand; BRICS - Evolution from Acronym to Global Power; Organized by BRICS International Forum and Russian Centre of Science and Culture at Russian Centre of Science and Culture, New Delhi, India.
8. Pothula S.S.K. and Lakra H.S. (Nov 19-22, 2015); Resilient Infrastructure for the Capital City Amravati; Second World Congress on Disaster Management; Visakhapatnam, Andhra Pradesh; Organized by Government of Andhra Pradesh.


10. Lakra H.S. and Garg P. (20-21 July 2015); Beholders of Stories: Contemplating Traditional Cities; Eight Global Studies Conference, Imperial College London, United Kingdom.


3) Smriti Saraswat

**Research Projects**

<table>
<thead>
<tr>
<th>S. No.</th>
<th>Title of Project</th>
<th>Funding Agency</th>
<th>Financial Outlay</th>
<th>Year of Start &amp; Duration</th>
<th>Name of P.I. and other investigators</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Documenting Space-Making Crafts of Uttarakhand</td>
<td>IITR(FIG)</td>
<td>7.5 Lakhs</td>
<td>May 2013 3 Years</td>
<td>Smriti Saraswat</td>
<td>In Progress</td>
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<tr>
<td>4.</td>
<td><em>Dharohar</em> - Heritage Preservation in Uttarakhand: Art and Craft Workshops, a Medium</td>
<td>MHRD &amp; JSDF</td>
<td>02 Crores</td>
<td>June 2014</td>
<td>P.I. Ms. Smriti Saraswat Co-P.I. Dr. Ila Gupta Dr. Gaurav Raheja Ms. Harshit Lakra</td>
<td>Submitted</td>
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<tr>
<td>5.</td>
<td>Heritage Conservation of Solani Aqueduct, Roorkee</td>
<td>MHRD</td>
<td>06 Crores</td>
<td>Feb 2015</td>
<td>Patron Pradipta Banerji P.I. Harshit Lakra Co – P.I. s Dr. Pushplata Dr. Gaurav Raheja Mr. Sanjay Chikermane Ms. Smriti Saraswat Dr. Arindam Biswas</td>
<td>Submitted and Under Review</td>
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Research Publications

I) Books

Published


Authors: Nimish Patel, Muktirajsinhji Chauhan, Bishakha Shome, Mansi G Shah, Eesha Agarwal, Chinmay Patel

The author had worked as a Research Assistant for this book. This book documents in detail stone buildings and allied artefacts from the earliest efforts through the golden period of the Solankis, the Sultanate and the Colonial periods and use of stone in contemporary times. The book is illustrated with pictures of almost all the significant stone buildings of Gujarat including religious places, tombs, cemeteries, memorials, educational buildings, palaces, modest dwellings, step wells, tanks, lakes and utility structures. It includes a brief note summarizing the chronological history of Gujarat's stone
buildings by six types and an exhaustive picture cataloguing of the components called elements in the assembly of stone buildings.

In Progress

i) “Narratives in Interior Architecture, Stone Crafts, a Medium” with Lap-Lambert Publishing Ltd., Germany

II) Research Papers in Journals

Published


III) Research Papers in Conferences

Presented

i) “Stone Crafts in Interior Architecture: Traditional Systems of Space Making (Specific Reference to Radhasoami Samadh, Agra)” – presented at the Fourth Global Stone Technology Forum (15Dec – 16Dec 2011), organized by Centre for Development of Stones (CDOS), and Federation of Indian Chambers of Commerce and Industry (FICCI), in Jaipur, India


iii) “Importance of Art in Interior-Architecture: Specific Reference to Art Works, City Palace Udaipur, India” - presented in the international seminar on "Importance of Art and its Inter-relationship with other subjects", organized and conducted by Faculty of Visual Art, Kumaun University, Almora during 06-07th October 2013

iv) “Craft, a Narrative Barometer for Interior-Architecture: Specific Focus on Stone Crafts of India” – presented at ICORD 2015, 05th International Conference on Research into Design, organized and conducted by Centre for Product Design and Manufacturing, IISC Bangalore during 07th – 9th January 2015
v) “Koti Banal Architecture of Uttarakhand: Indigenous Realities and Community Involvement” – presented at the International Conference on South Asian Vernacular Architecture, organized and conducted by School of Planning and Architecture, Bhopal, at Bhopal, during 11th – 13th Dec 15; Co-Authors: Gautam Mayuresh and Priyanka Mangaonkar

Accepted

i) “Narratives in Interior Architecture: Stone Crafts as a Narrative Medium to understand Methodology in Crafts” - Paper Abstract Selected by Association of Art Historians for a conference organized at University of Warwick (31Mar 11 to 02Apr 11) for a Session – “Telling Stories: Making Research Accessible through Display”

ii) “Narratives in Interior Architecture: Stone Crafts, a Medium” – on the basis of this work, the author was invited in 2012 International Conference on Narratives (15Mar - 17Mar 2012, Las Vegas) as the moderator for one of the panels - "Space, Place and Travel”

IV) Works selected in National Conventions

Published


V) Articles/Essays in Periodicals

Published

i) “Understanding Courtyard Design through Havelis of Rajasthan” – published in the periodical of Institute of Indian Interior Designers (IIID) – INSITE, Sep 11, pp. 18-21

ii) “India’s Art Kitli” – published in the periodical of Institute of Indian Interior Designers (IIID) – INSITE, Nov.11, pp. 18-20

iii) “Space Making Crafts” – published in the periodical of Institute of Indian Interior Designers (IIID) – INSITE, Dec. 11, pp. 18-20

iv) “The Nuances of Thikri Kaam” - published in the periodical of Institute of Indian Interior Designers (IIID) – INSITE, Jan 12, pp. 18-20

v) “Spiral: A Representation of Process and Growth” - in the periodical of Institute of Indian Interior Designers (IIID) – INSITE, April 12, pp. 18-20

vi) “Natural Stones” – published in the periodical of Institute of Indian Interior Designers (IIID) – INSITE, June 12, pp. 18-20


VI) Reports/Monographs

i) The author had worked on two monographs: one on ‘Woodturning and Lacquer Craft, Dholka, Ahmedabad’ and second on ‘Stone Crafts of Gujarat’ at Design Innovation and Craft Resource Centre (DICRC), CEPT University, Ahmedabad - They are published as e-monographs. These monographs are uploaded online on the DICRC website.

ii) ‘Dharohar’ – Understanding the Importance of Art in Interior-Architecture (specific focus on City Palace, Udaipur), published by QIP centre, IIT Roorkee

iii) ‘Sanchay’ - Art-Craft and Interior Architecture of Almora, draft monograph launched during Dharohar: a National Workshop on ‘Craft and Skill Development for Sustainable Design’, organised and conducted under the aegis of CUDD, IIT Roorkee, during 16th – 18th August 2015 (received approval and funding for upcoming final publication by QIP, IIT Roorkee during 2016-17)

VII) Poster Presentations

i) Poster based on Post-Graduate Dissertation: “Narratives in Interior Architecture: Stone Crafts as a narrative medium for Radhasoami Samadh (Soami Bagh, Agra)” - presented in an International Seminar: Samvad, held during September 11 in Ahmedabad, India

ii) Poster based on Post-Graduate Dissertation: “Narratives in Interior Architecture: Stone Crafts as a narrative medium for Radhasoami Samadh (Soami Bagh, Agra)” - presented in an International exhibition, organized by Institute of Indian Interior Designers (IIID), during September 11 in Mumbai, India


4) Dr. Arindam Biswas

Research Projects

1. Framework to Manage Construction and Governance of Smart City Building in India, Sponsored by NBCC.

2. RCUK-NIUA joint research on Urban Development, Sponsored by NIUA/MoUD
3. Comprehensive Capacity Building program, Sponsored by World Bank

4. Country Research on National and Regional planning framework and analysis of planning and development of NCR Delhi and Modinagar, India; Institute for Urban & Environmental Development, Japan (UED)

5. Measuring Inclusiveness of Indian Metropolitan Cities and Establish Inclusive Growth Index for Indian Cities within the Diversified Governance Framework. Sponsored by IIT Roorkee.

6. Unnat Bharat Abhiyan (Mission for Developing India), Supported by Ministry of Human Resource Development, Government of India; P.I. Dr. (Prof.) Pradeep Bhargava.

7. IMPRINT India (Impacting Research, Innovation, Technology for India), Preparation a comprehensive policy document for Sustainable Urban Design in India, Sponsored by Ministry of Human Resource Development, Government of India; P.I. Dr. (Prof.) Pradipta Banerji.

8. Heritage Preservation of Solani Aqueduct (Gateway to Upper Ganga Eco-System and Culture) with Community and Institute Partnership, Supported by Ministry of Human Resource Development, Government of India; Patron - Dr. (Prof.) Pradipta Banerji, P.I. Harshit Lakra